

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009241.D
 Acq On : 22 Jan 2019 18:32
 Operator : SY/MD
 Sample : VV0122SBSD01
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:51 AM

Quant Time: Jan 23 01:59:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	81340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	138250	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	126291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	63716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	51431	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	4.64	113	45904	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	7.36	98	177693	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	10.12	95	66939	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12724m	19.339	ug/l
3) Chloromethane	1.25	50	17447	19.700	ug/l
4) Vinyl Chloride	1.32	62	19449	19.328	ug/l
5) Bromomethane	1.52	94	10961	19.208	ug/l
6) Chloroethane	1.59	64	10551	18.760	ug/l
7) Trichlorofluoromethane	1.76	101	11045	15.640	ug/l
8) Diethyl Ether	1.96	74	8943	20.135	ug/l
9) 1,1,2-Trichlorotrifluoroet	2.13	101	17647	20.111	ug/l
10) Methyl Iodide	2.25	142	28160	20.107	ug/l
11) Tert butyl alcohol	2.66	59	7873	120.594	ug/l
12) 1,1-Dichloroethene	2.13	96	17262	20.037	ug/l
13) Acrolein	2.05	56	6780	123.751	ug/l
14) Allyl chloride	2.42	41	27802	18.724	ug/l
15) Acrylonitrile	2.76	53	21697	112.778	ug/l
16) Acetone	2.18	43	26676	99.118	ug/l
17) Carbon Disulfide	2.31	76	50903	19.315	ug/l
18) Methyl Acetate	2.44	43	14631	20.353	ug/l
19) Methyl tert-butyl Ether	2.79	73	27776	20.770	ug/l
20) Methylene Chloride	2.52	84	20925	21.138	ug/l
21) trans-1,2-Dichloroethene	2.78	96	18114	19.515	ug/l
22) Diisopropyl ether	3.32	45	62568	19.789	ug/l
23) Vinyl Acetate	3.30	43	183574	107.007	ug/l
24) 1,1-Dichloroethane	3.22	63	38373	19.508	ug/l
25) 2-Butanone	4.01	43	34540	112.230	ug/l
26) 2,2-Dichloropropane	3.94	77	20783	18.773	ug/l
27) cis-1,2-Dichloroethene	3.95	96	22612	20.157	ug/l
28) Bromochloromethane	4.29	49	14834	20.435	ug/l
29) Tetrahydrofuran	4.39	42	20723	123.802	ug/l
30) Chloroform	4.41	83	38053	19.261	ug/l
31) Cyclohexane	4.72	56	35344	19.682	ug/l
32) 1,1,1-Trichloroethane	4.65	97	32361	19.434	ug/l
36) 1,1-Dichloropropene	4.87	75	29693	19.345	ug/l
37) Ethyl Acetate	4.12	43	14206	24.082	ug/l
38) Carbon Tetrachloride	4.87	117	28801	18.742	ug/l

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	36113	19.868	ug/l	98
40) Benzene	5.14	78	84640	19.716	ug/l	98
41) Methacrylonitrile	4.31	41	7770	21.855	ug/l	99
42) 1,2-Dichloroethane	5.17	62	26518	19.736	ug/l	98
43) Isopropyl Acetate	5.32	43	26390	22.744	ug/l	99
44) Trichloroethene	5.96	130	21738	19.242	ug/l	99
45) 1,2-Dichloropropane	6.22	63	19994	19.362	ug/l	96
46) Dibromomethane	6.35	93	11193	21.124	ug/l	98
47) Bromodichloromethane	6.55	83	26982	19.270	ug/l	100
48) Methyl methacrylate	6.42	41	13057	22.052	ug/l	97
49) 1,4-Dioxane	6.41	88	3518	521.208	ug/l	91
51) 4-Methyl-2-Pentanone	7.27	43	64777	110.002	ug/l	99
52) Toluene	7.43	92	52620	19.376	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	27135	19.911	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	30696	19.561	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	15572	20.858	ug/l	95
56) Ethyl methacrylate	7.83	69	18091	20.799	ug/l	93
57) 1,3-Dichloropropane	8.05	76	28183	20.850	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1037	76.291	ug/l #	88
59) 2-Hexanone	8.18	43	46812	109.908	ug/l	96
60) Dibromochloromethane	8.29	129	17634	20.173	ug/l	100
61) 1,2-Dibromoethane	8.40	107	15401	21.095	ug/l	100
64) Tetrachloroethene	8.02	164	17844	19.855	ug/l	99
65) Chlorobenzene	8.92	112	57818	19.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	19479	19.399	ug/l	98
67) Ethyl Benzene	9.05	91	101375	19.368	ug/l	99
68) m/p-Xylenes	9.18	106	77083	38.791	ug/l	99
69) o-Xylene	9.59	106	35826	19.446	ug/l	97
70) Styrene	9.60	104	58234	19.806	ug/l	99
71) Bromoform	9.77	173	9754	20.599	ug/l #	98
73) Isopropylbenzene	9.97	105	101273	19.248	ug/l	100
74) N-amyl acetate	9.84	43	21178	21.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	19260	21.713	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	16151m	23.153	ug/l	
77) Bromobenzene	10.26	156	22703	20.173	ug/l	98
78) n-propylbenzene	10.40	91	120280	19.284	ug/l	100
79) 2-Chlorotoluene	10.47	91	72657	19.306	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	85682	19.418	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	4942	20.048	ug/l	95
82) 4-Chlorotoluene	10.58	91	84783	19.126	ug/l	99
83) tert-Butylbenzene	10.91	119	81173	19.319	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	87320	19.617	ug/l	99
85) sec-Butylbenzene	11.13	105	106165	19.291	ug/l	99
86) p-Isopropyltoluene	11.29	119	94094	19.527	ug/l	100
87) 1,3-Dichlorobenzene	11.22	146	46246	19.791	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	46642	19.745	ug/l	98
89) n-Butylbenzene	11.70	91	90680	19.388	ug/l	99
90) Hexachloroethane	11.95	117	15868	18.519	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	40854	19.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3349	22.489	ug/l	95

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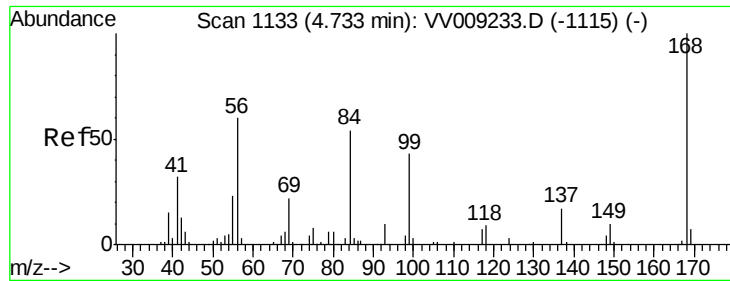
Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:44:51 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	27224	20.502	ug/l	100
94) Hexachlorobutadiene	13.49	225	16576	20.142	ug/l	99
95) Naphthalene	13.55	128	48211	20.998	ug/l	98
96) 1,2,3-Trichlorobenzene	13.79	180	23140	20.580	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion:168 Resp: 81340

Ion Ratio Lower Upper

168 100

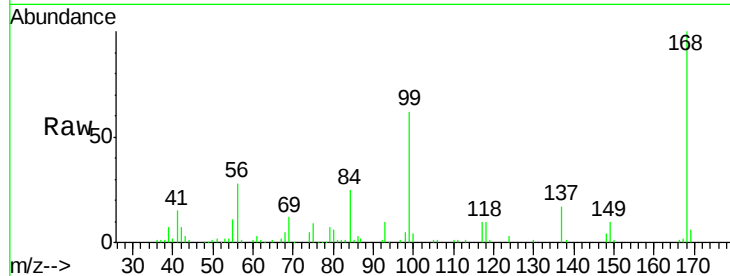
99 61.3 50.9 76.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

4.73

40000

30000

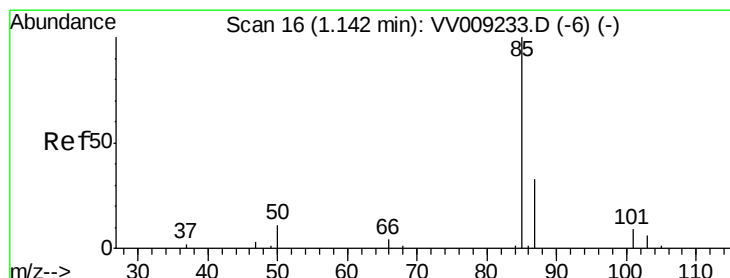
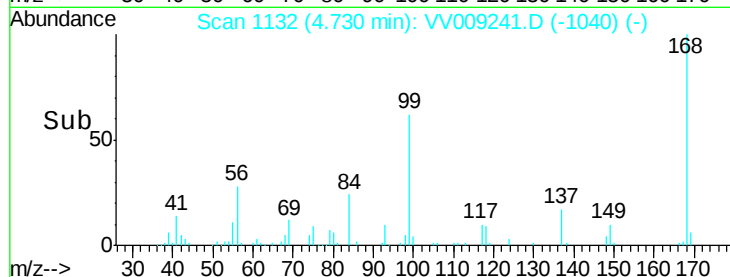
20000

10000

0

4.60 4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.339 ug/l m

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009241.D

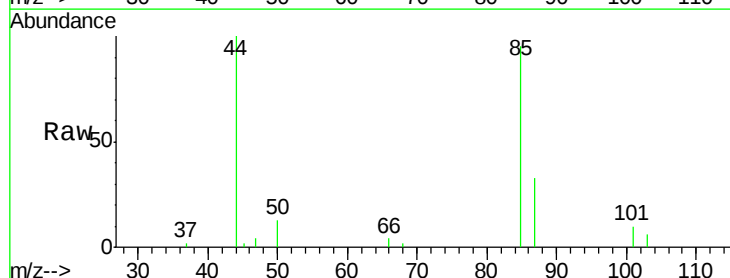
Acq: 22 Jan 2019 18:32

Tgt Ion: 85 Resp: 12724

Ion Ratio Lower Upper

85 100

87 34.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

6000

5000

4000

3000

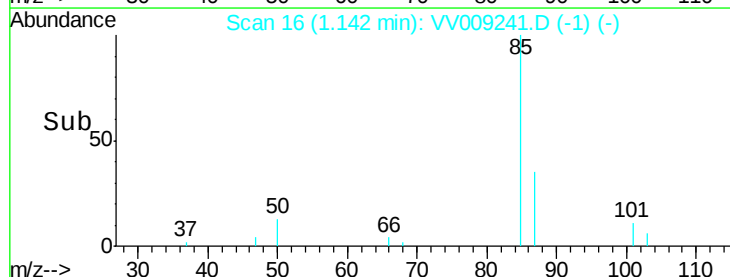
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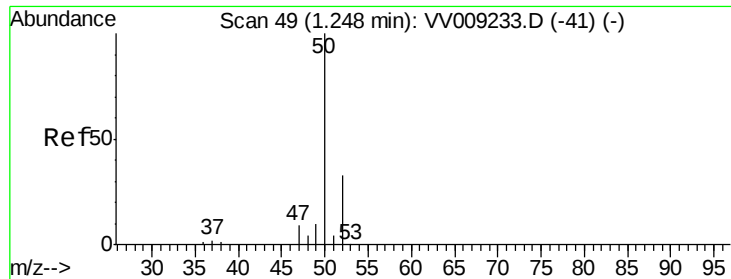
1000

0

1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.700 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 50 Resp: 17447

Ion Ratio Lower Upper

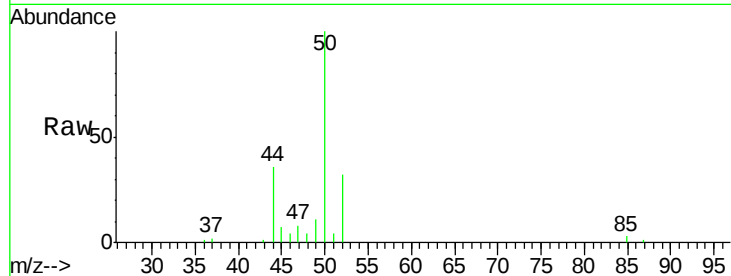
50 100

52 31.6 26.3 39.5

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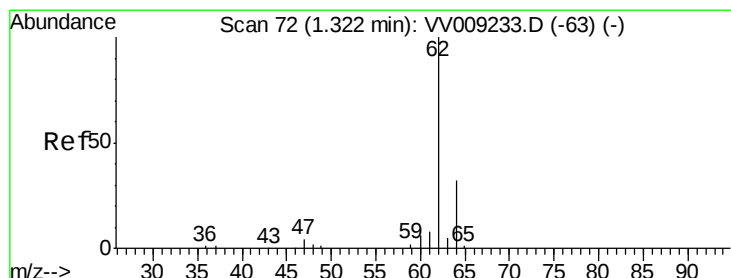
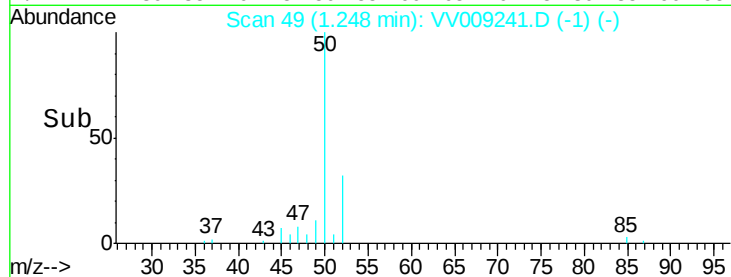
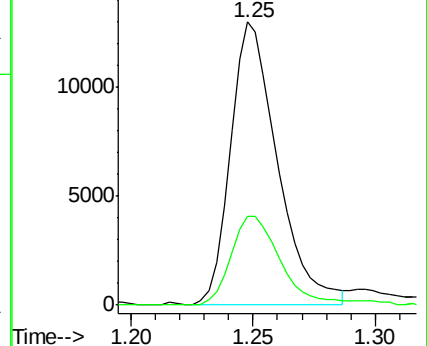
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Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 19.328 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009241.D

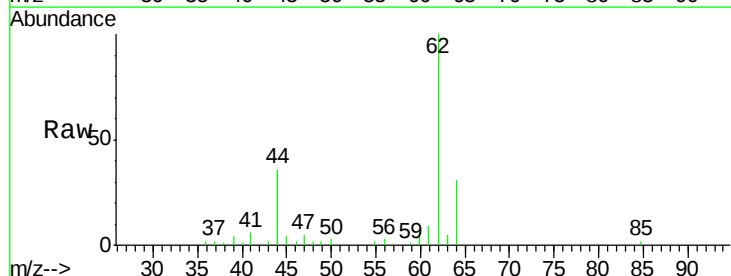
Acq: 22 Jan 2019 18:32

Tgt Ion: 62 Resp: 19449

Ion Ratio Lower Upper

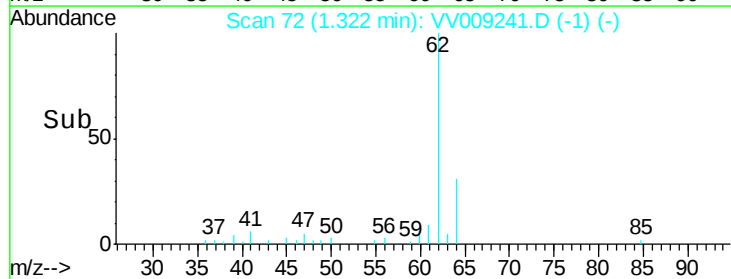
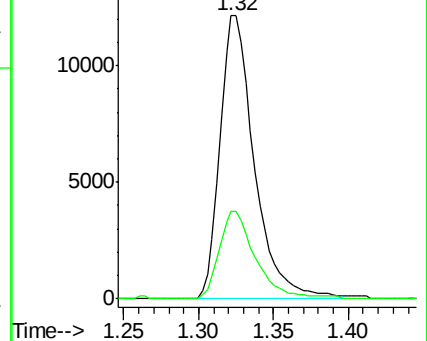
62 100

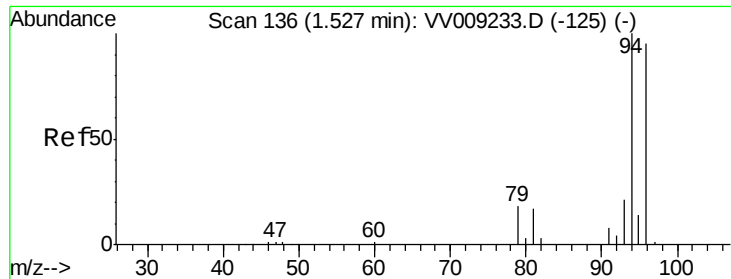
64 31.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0





#5

Bromomethane

Concen: 19.208 ug/l

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 94 Resp: 10961

Ion Ratio Lower Upper

94 100

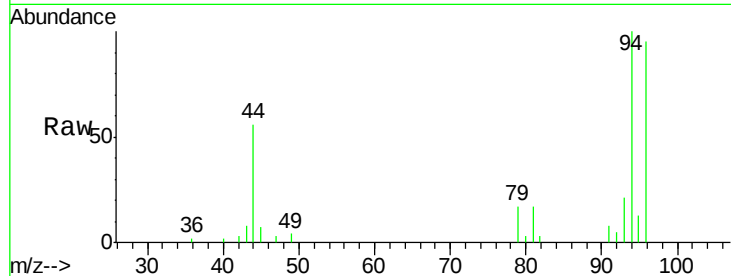
96 95.3 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0

1.52

6000

5000

4000

3000

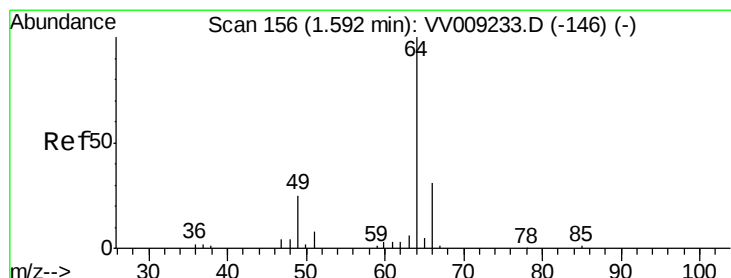
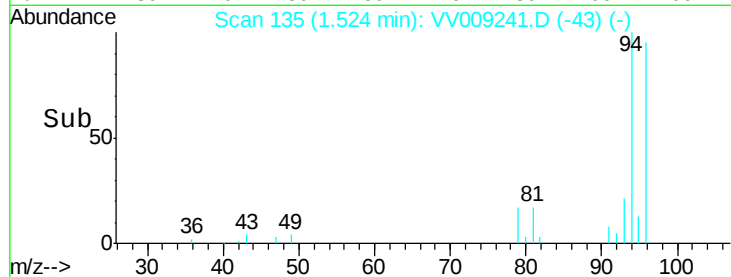
2000

1000

0

Time-->

1.45 1.50 1.55 1.60



#6

Chloroethane

Concen: 18.760 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009241.D

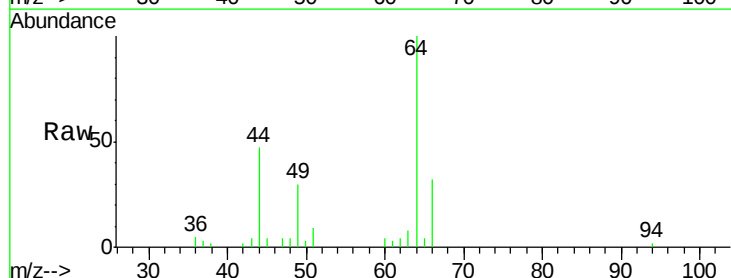
Acq: 22 Jan 2019 18:32

Tgt Ion: 64 Resp: 10551

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0

1.59

6000

5000

4000

3000

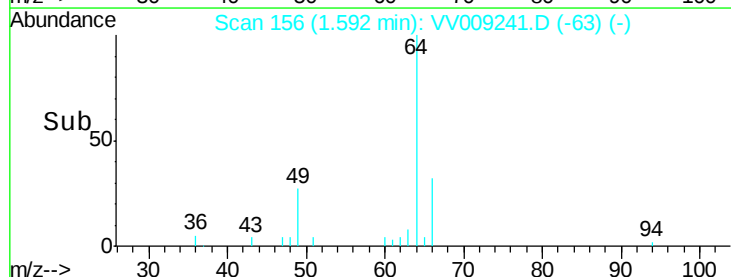
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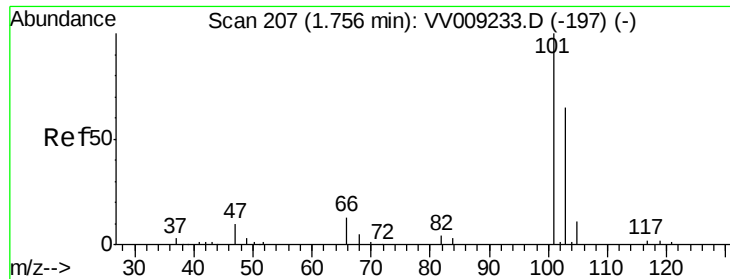
1000

0

Time-->

1.50 1.55 1.60 1.65 1.70





#7

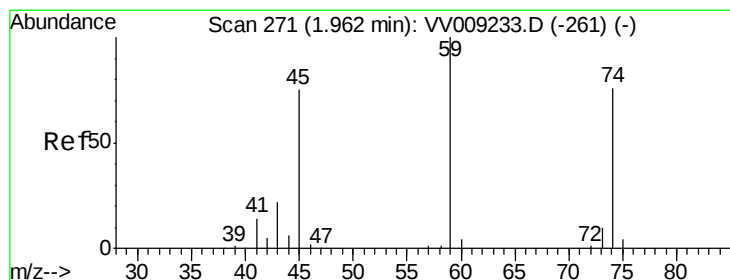
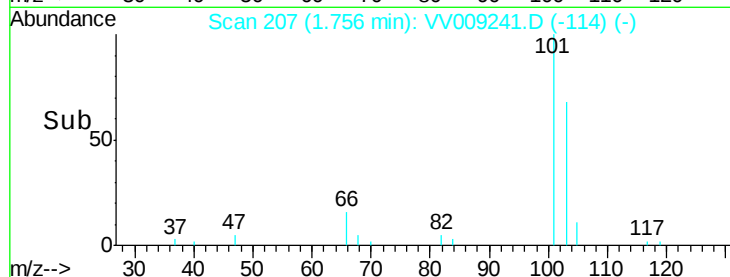
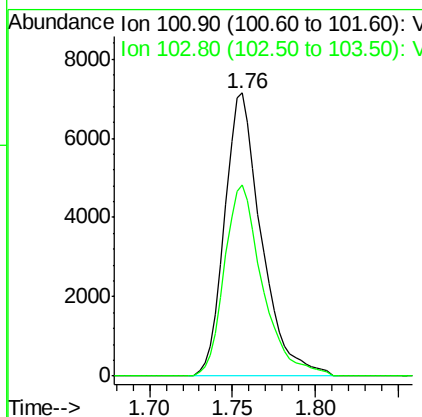
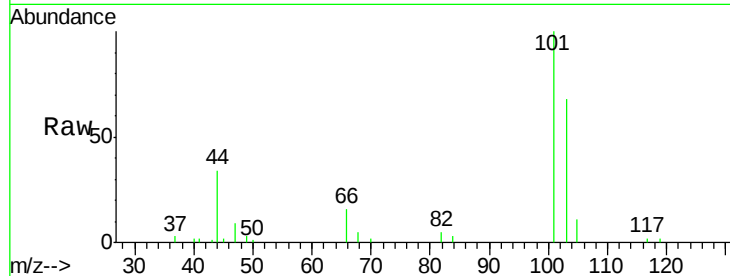
Trichlorofluoromethane
 Concen: 15.640 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.2	78.4

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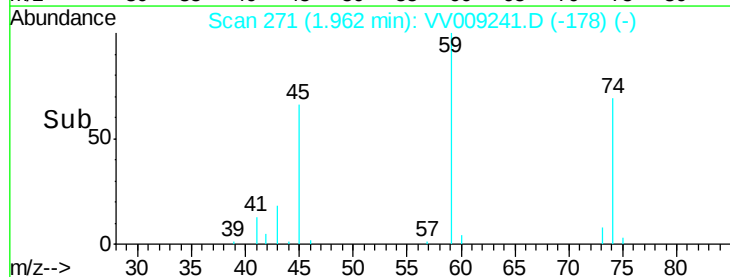
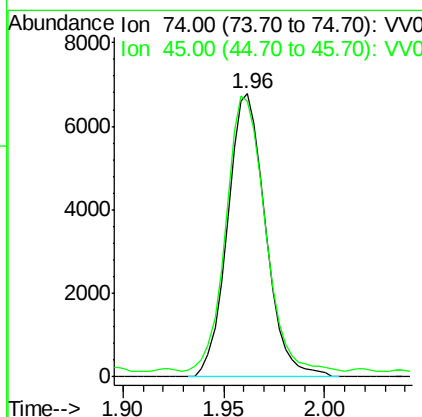
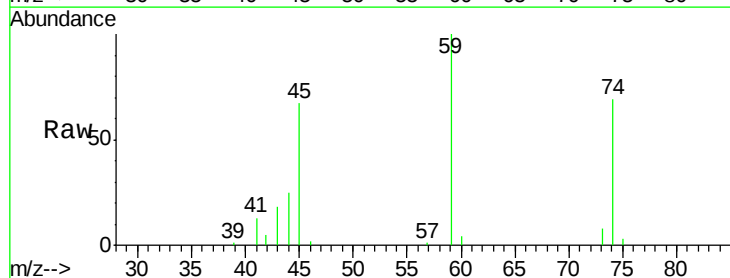
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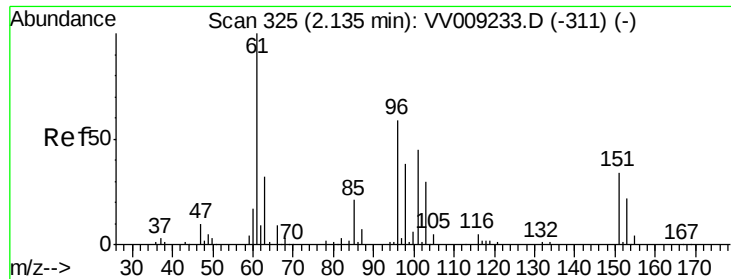


#8

Diethyl Ether
 Concen: 20.135 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.111 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

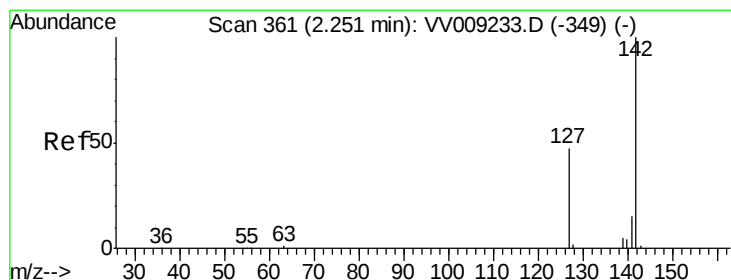
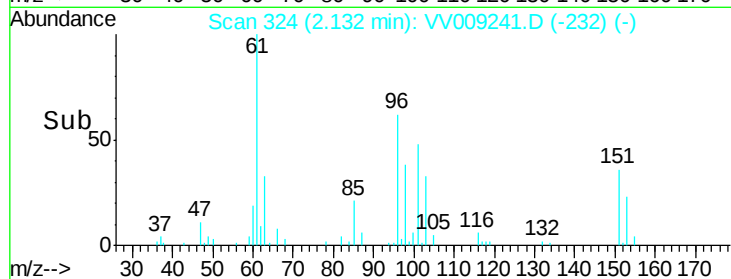
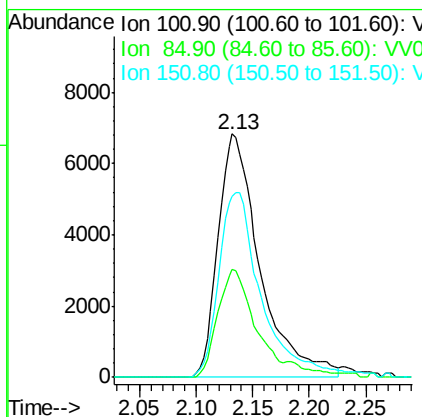
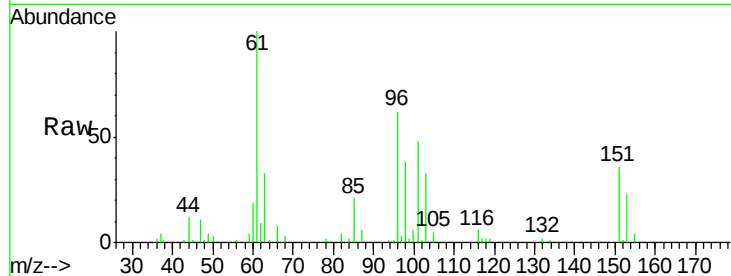
ClientSampleId :

VV0122SBS01

Tot Ion:	101	Resp:	17647
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.3	52.9
151	76.6	60.1	90.1

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#10

Methyl Iodide

Concen: 20.107 ug/l

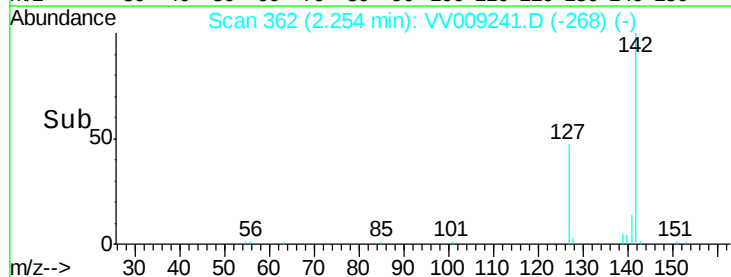
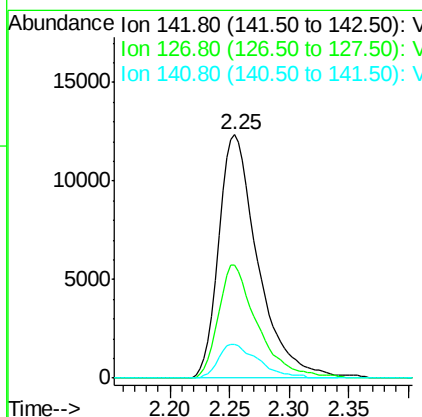
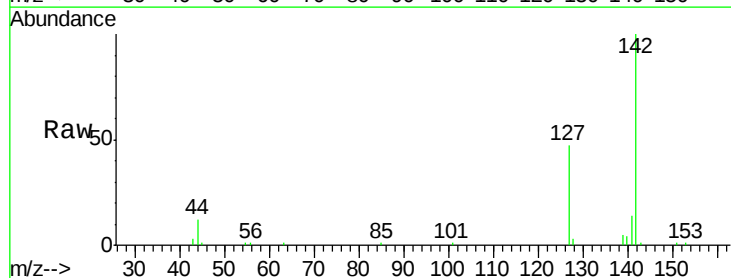
RT: 2.25 min Scan# 362

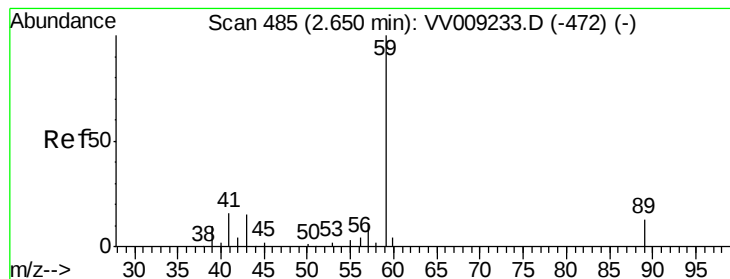
Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion:	142	Resp:	28160
Ion Ratio	Lower	Upper	
142	100		
127	46.3	37.9	56.9
141	14.3	11.7	17.5





#11

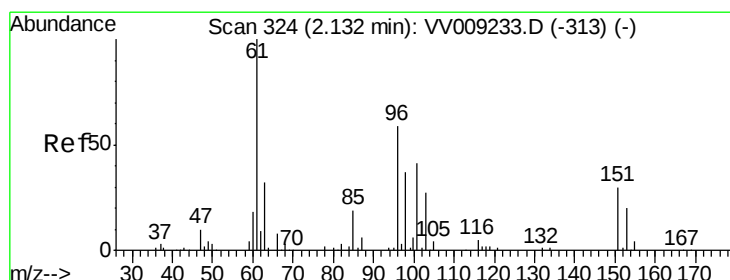
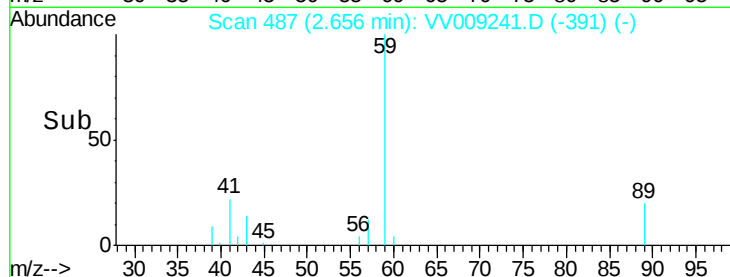
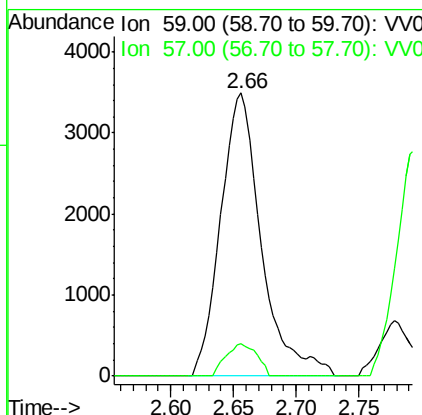
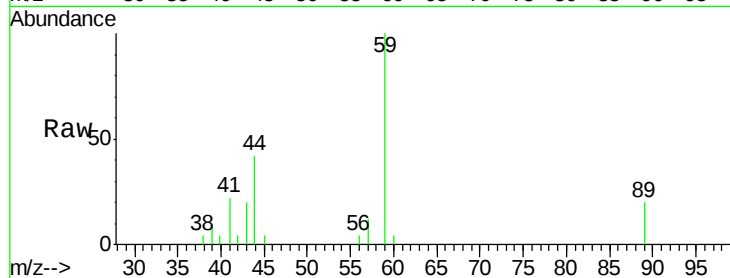
Tert butyl alcohol
Concen: 120.594 ug/l
RT: 2.66 min Scan# 487
Delta R.T. 0.01 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.4	12.6

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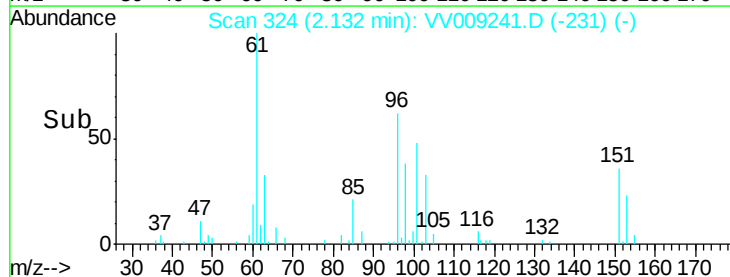
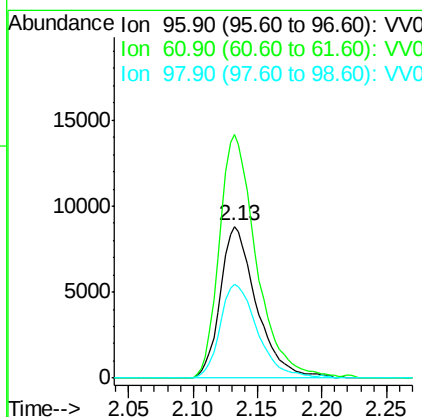
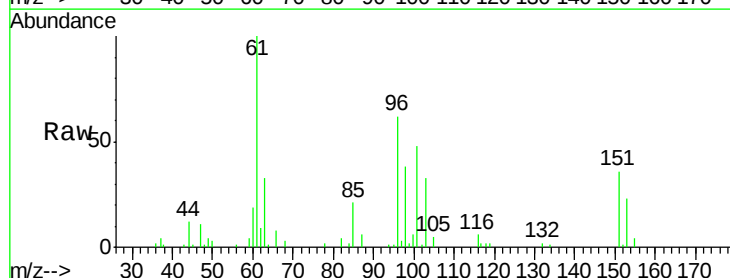
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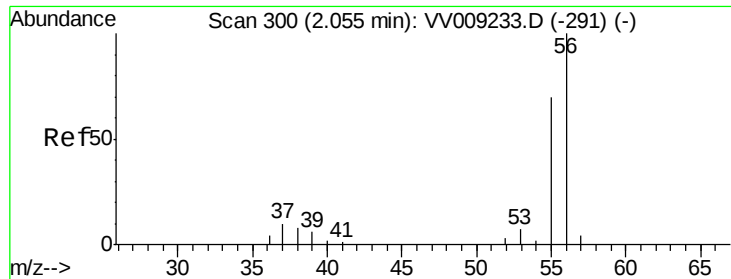


#12

1,1-Dichloroethene
Concen: 20.037 ug/l
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	136.6	205.0
98	61.5	50.6	75.8





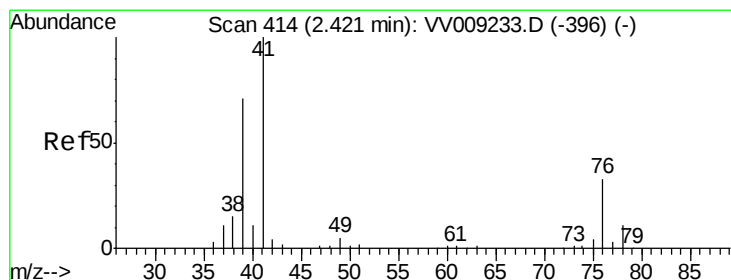
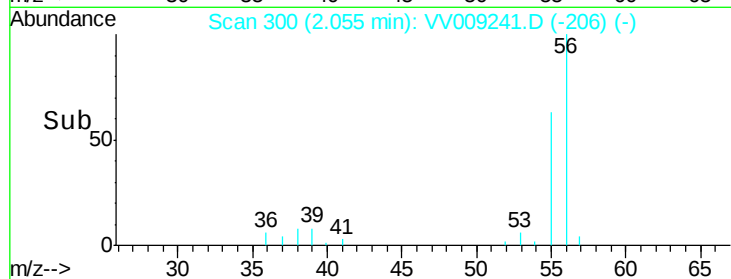
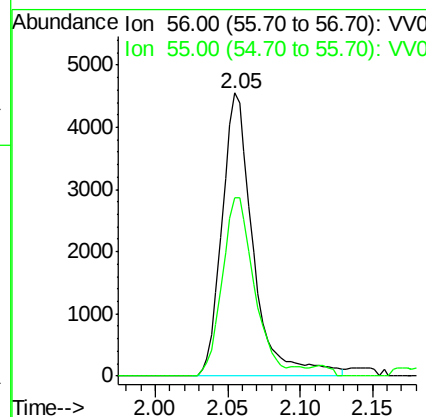
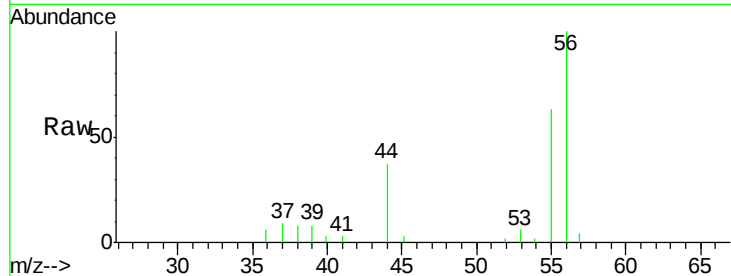
#13
Acrolein
Concen: 123.751 ug/l
RT: 2.05 min Scan# 300
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	56	Resp	6780
Ion Ratio	100	Lower	Upper
55	64.4	54.0	81.0

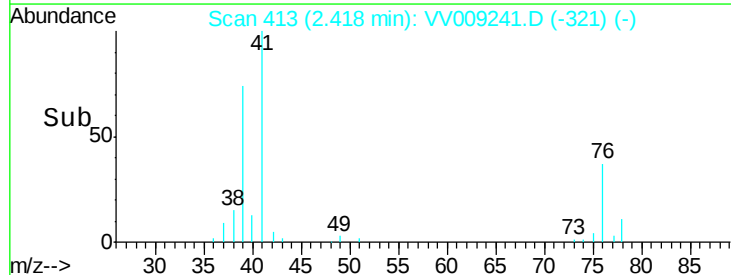
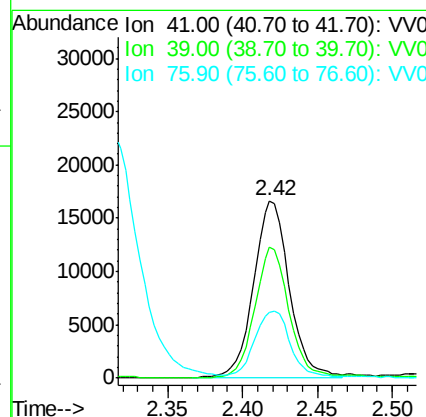
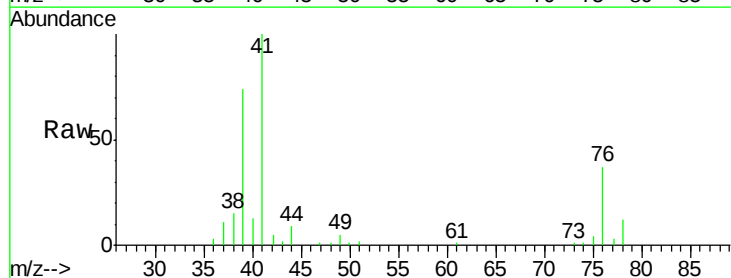
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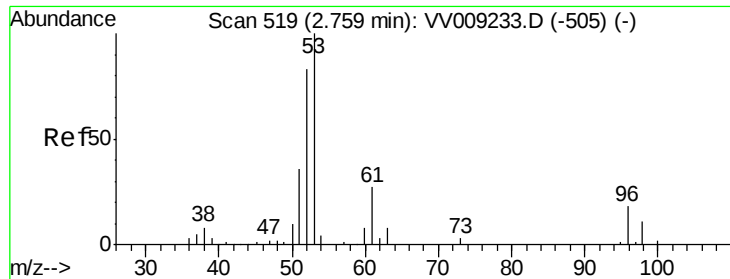
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#14
Allyl chloride
Concen: 18.724 ug/l
RT: 2.42 min Scan# 413
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	41	Resp	27802
Ion Ratio	100	Lower	Upper
39	72.0	55.1	82.7
76	38.8	26.7	40.1





#15

Acrylonitrile

Concen: 112.778 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

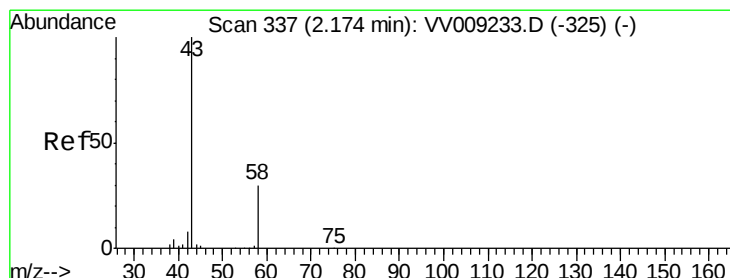
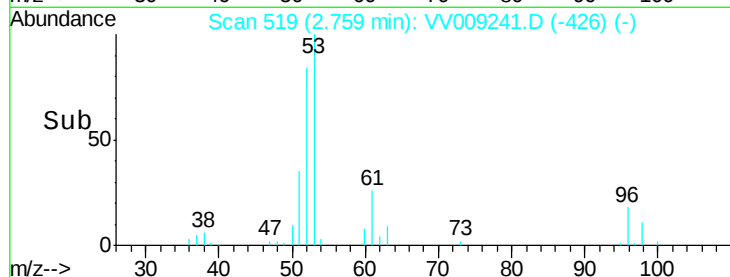
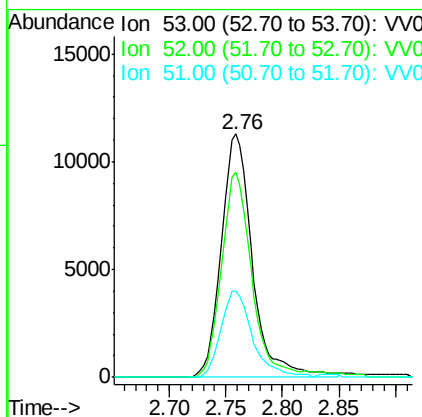
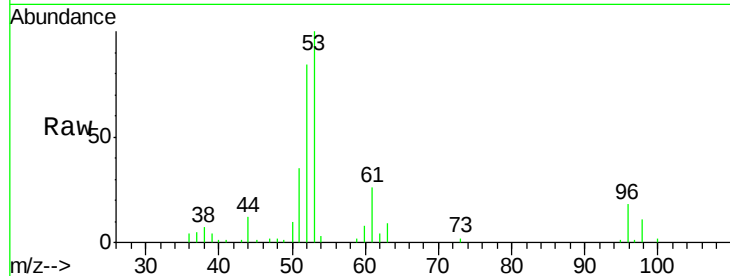
ClientSampleId :

VV0122SBS01

Tot Ion:	53	Resp:	21697
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.3	97.9
51	36.0	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 99.118 ug/l

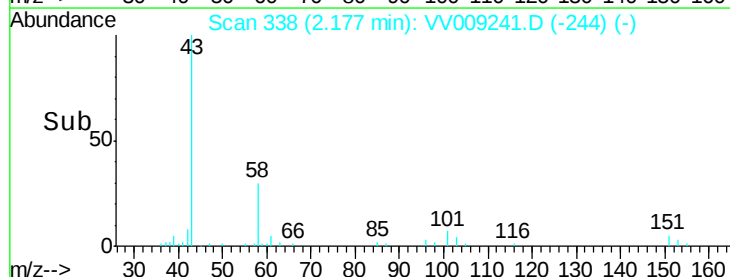
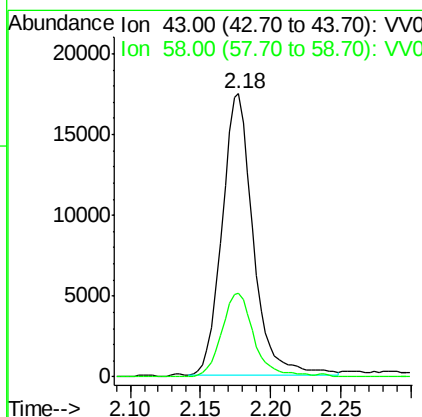
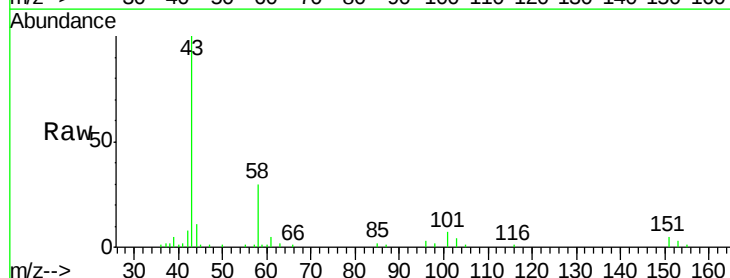
RT: 2.18 min Scan# 338

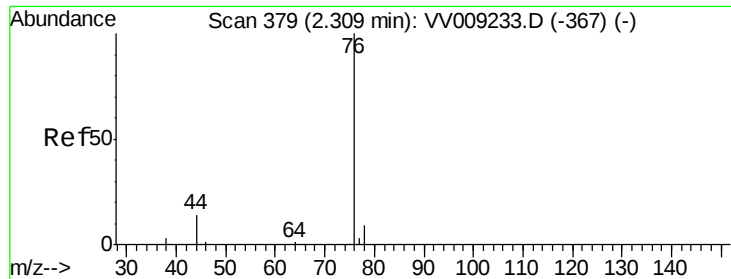
Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion:	43	Resp:	26676
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6





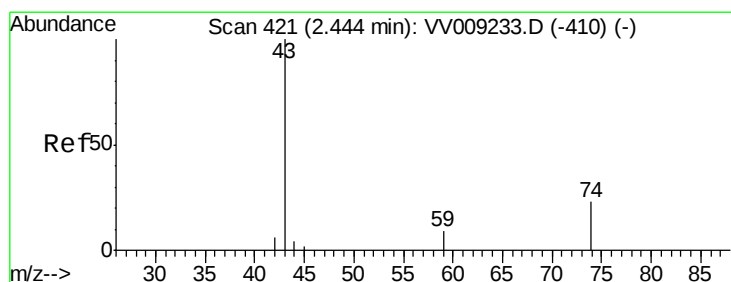
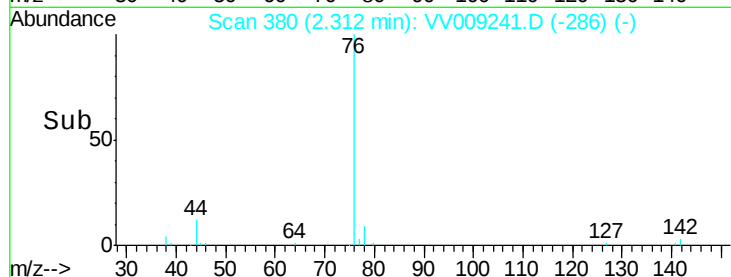
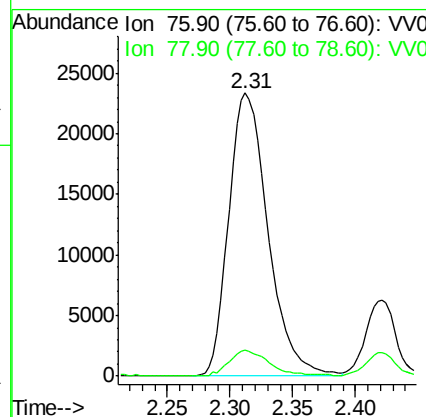
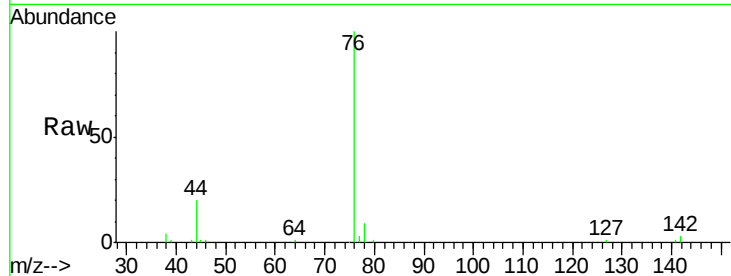
#17
Carbon Disulfide
Concen: 19.315 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion: 76 Resp: 50903
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

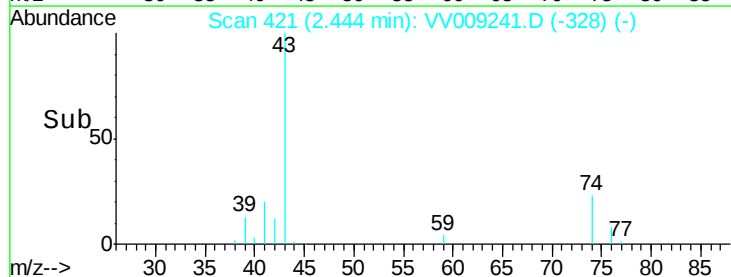
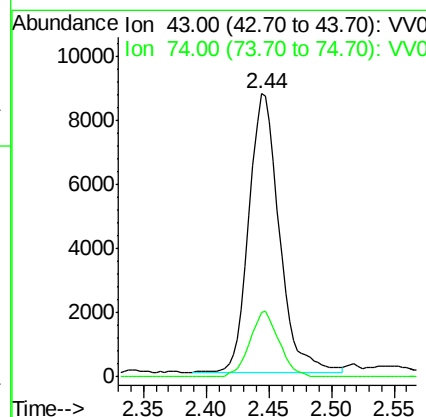
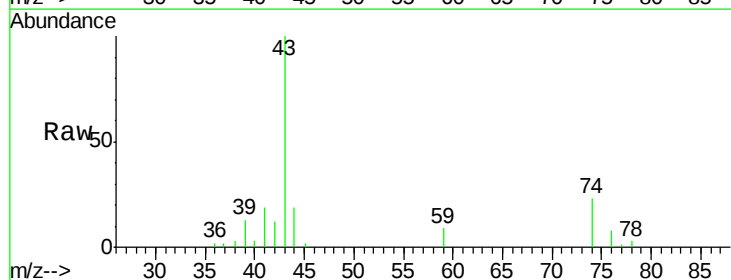
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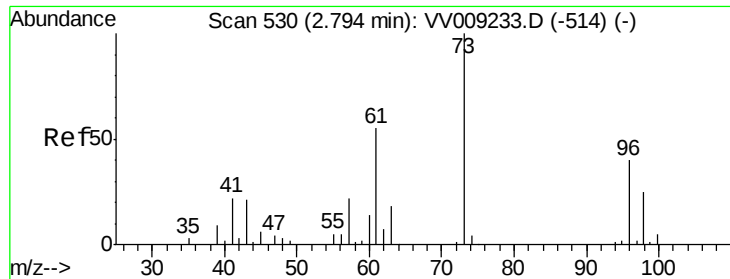
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#18
Methyl Acetate
Concen: 20.353 ug/l
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 43 Resp: 14631
Ion Ratio Lower Upper
43 100
74 22.7 19.7 29.5





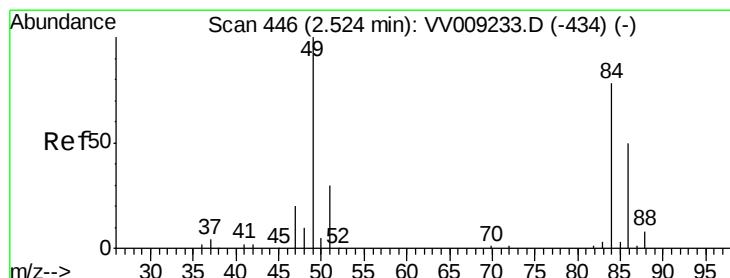
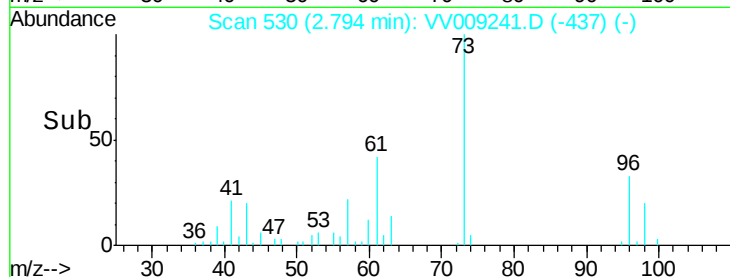
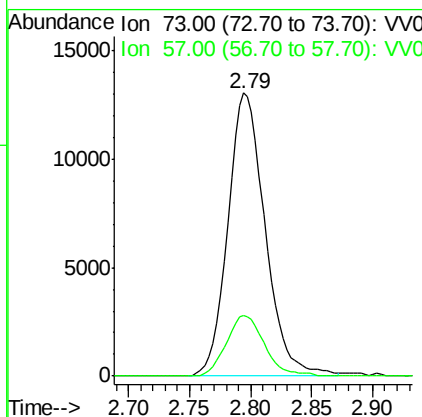
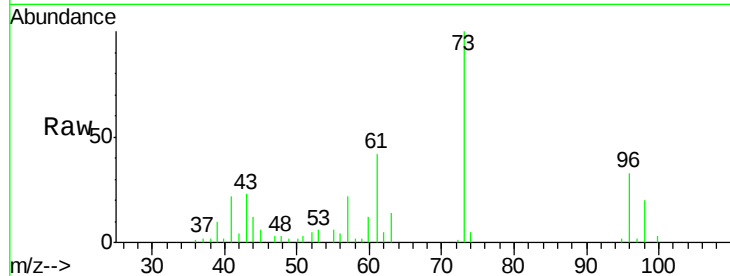
#19
Methvl tert-butvl Ether
Concen: 20.770 ug/l
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion: 73 Resp: 27776
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

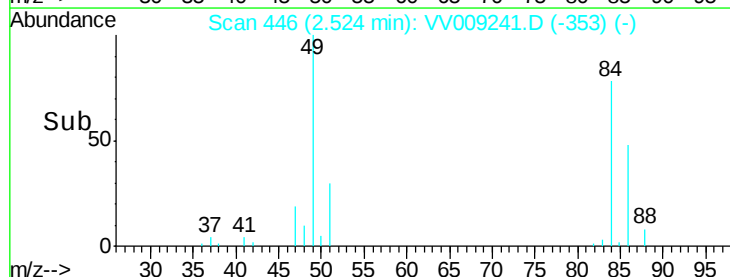
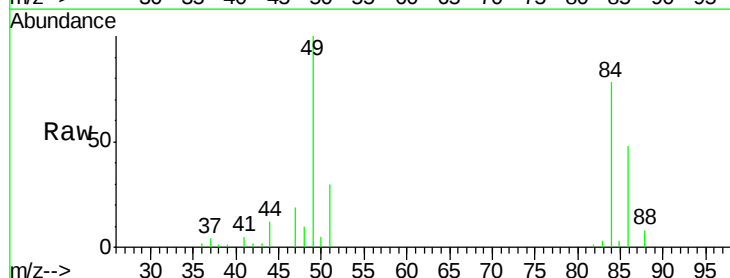
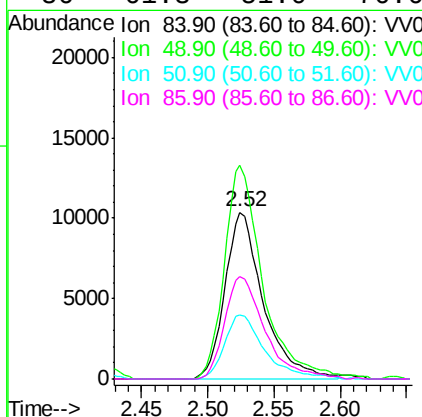
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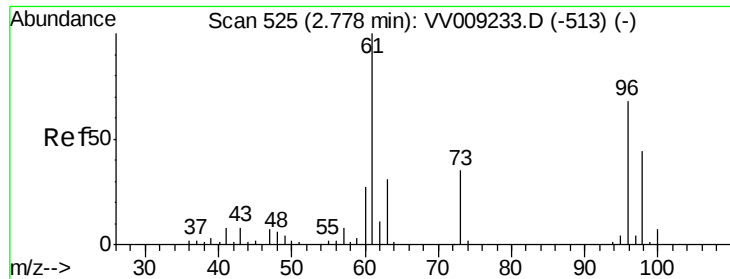
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#20
Methylene Chloride
Concen: 21.138 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 84 Resp: 20925
Ion Ratio Lower Upper
84 100
49 128.3 102.0 153.0
51 38.7 30.9 46.3
86 61.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.515 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

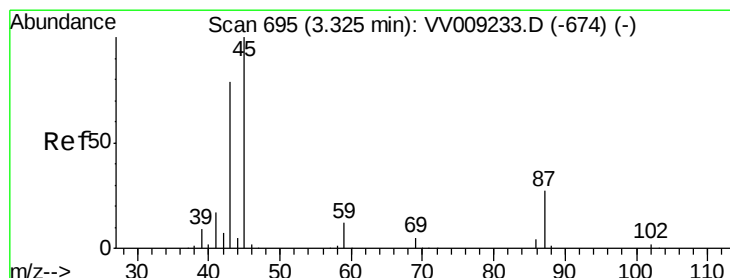
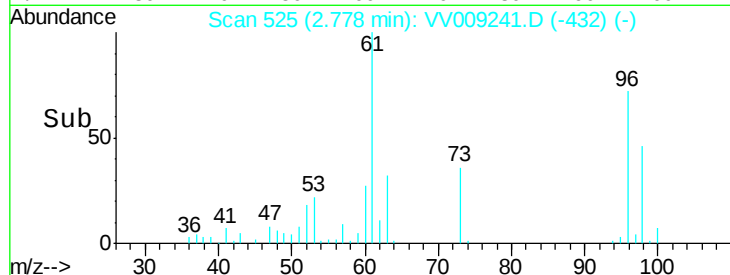
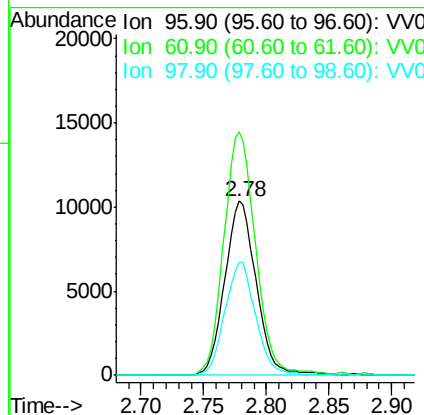
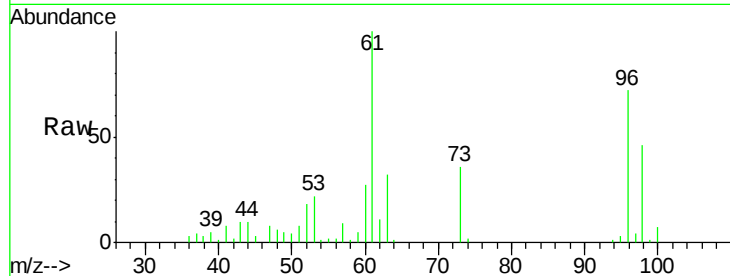
ClientSampleId :

VV0122SBS01

Tot Ion:	96	Resp:	18114
Ion	Ratio	Lower	Upper
96	100		
61	139.6	117.7	176.5
98	64.8	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.789 ug/l

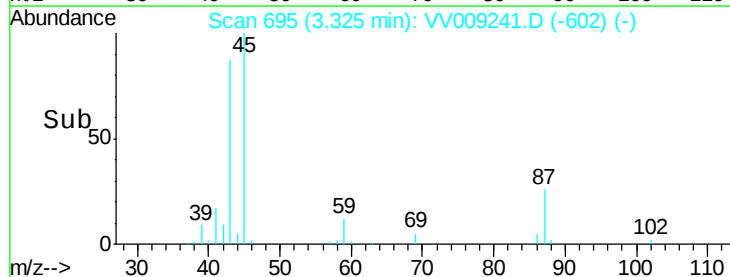
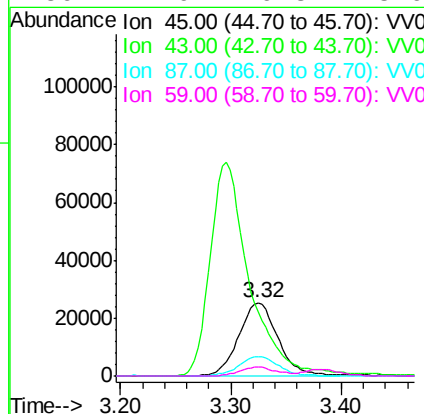
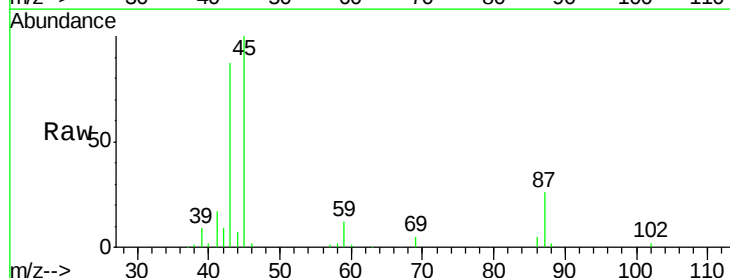
RT: 3.32 min Scan# 695

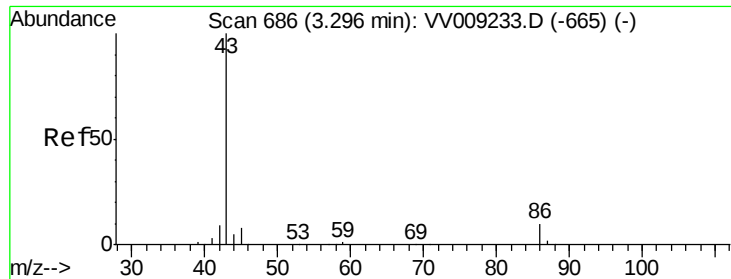
Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion:	45	Resp:	62568
Ion	Ratio	Lower	Upper
45	100		
43	81.9	63.0	94.4
87	26.4	21.5	32.3
59	11.9	9.3	13.9





#23

Vinyl Acetate

Concen: 107.007 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 43 Resp: 183574

Ion Ratio Lower Upper

43 100

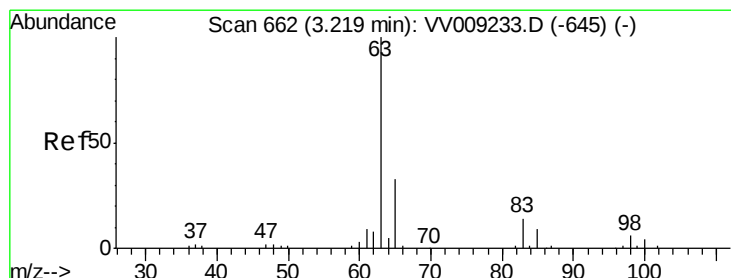
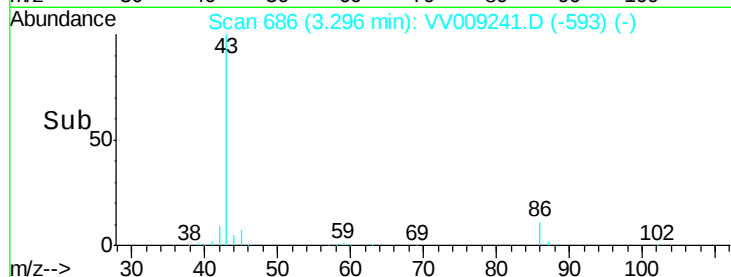
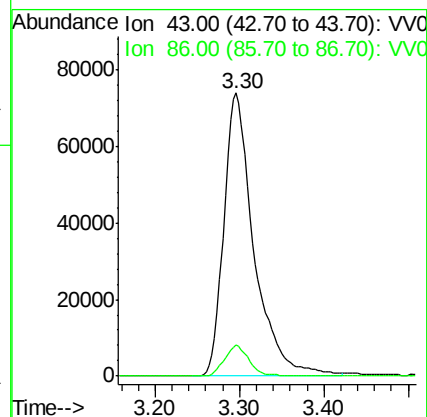
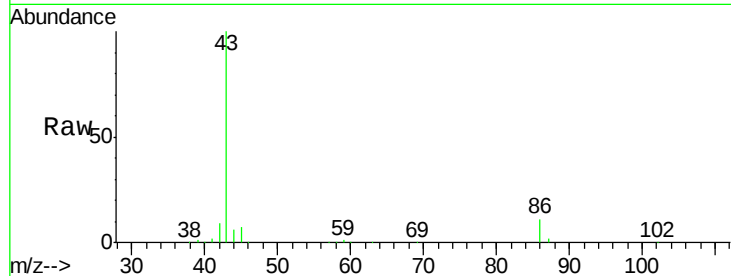
86 10.9 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 19.508 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

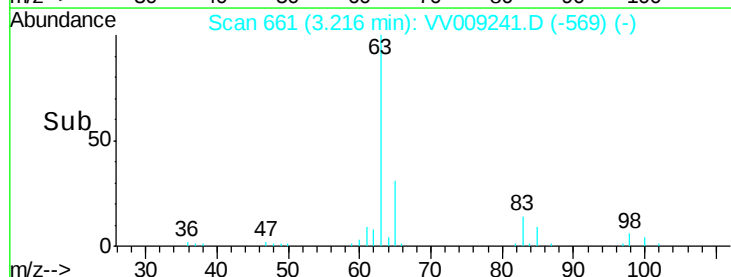
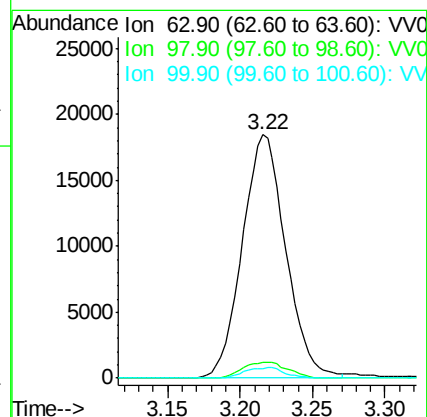
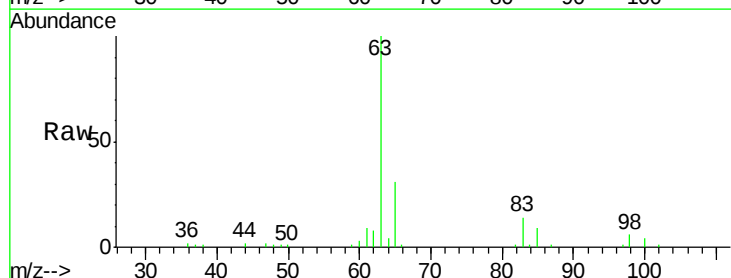
Tgt Ion: 63 Resp: 38373

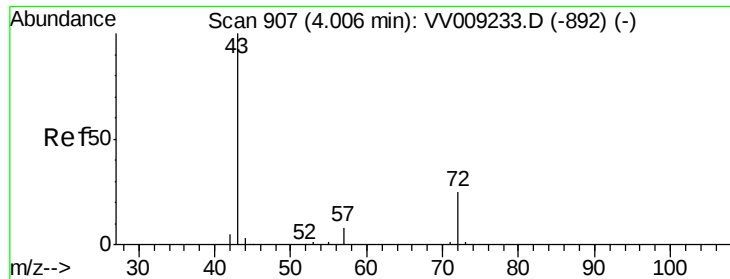
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 112.230 ug/l

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 43 Resp: 34540

Ion Ratio Lower Upper

43 100

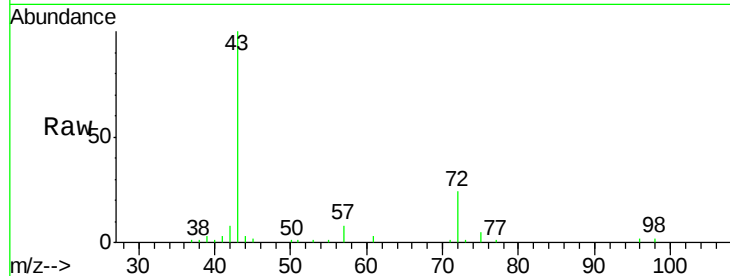
72 24.2 20.2 30.4

Manual Integrations

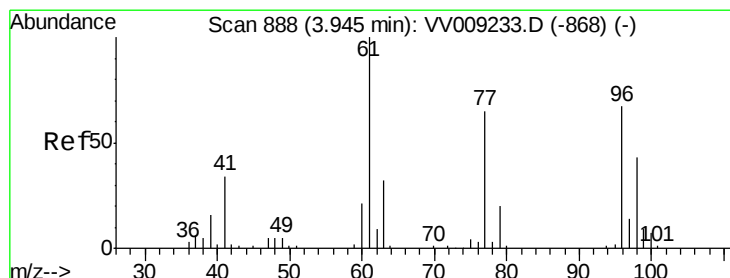
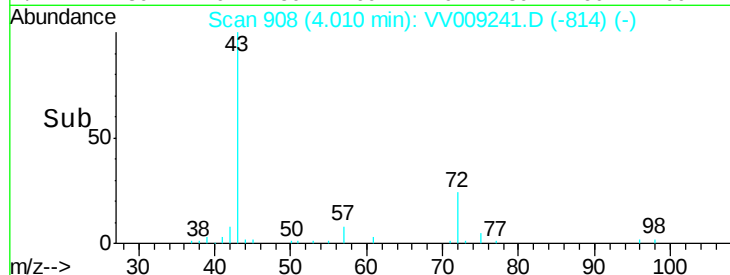
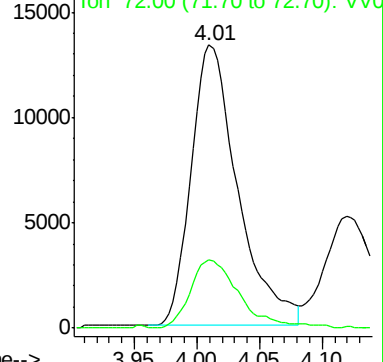
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Abundance Ion 43.00 (42.70 to 43.70): VV009241.D (-814) (-)



#26

2,2-Dichloropropane

Concen: 18.773 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009241.D

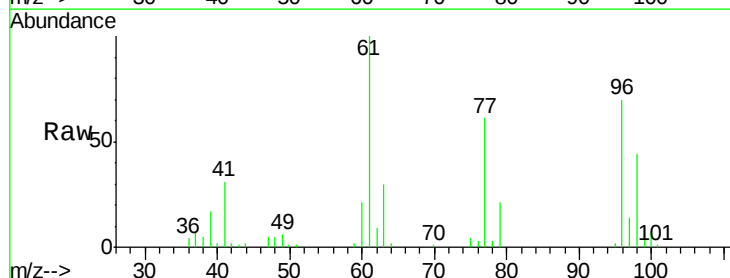
Acq: 22 Jan 2019 18:32

Tgt Ion: 77 Resp: 20783

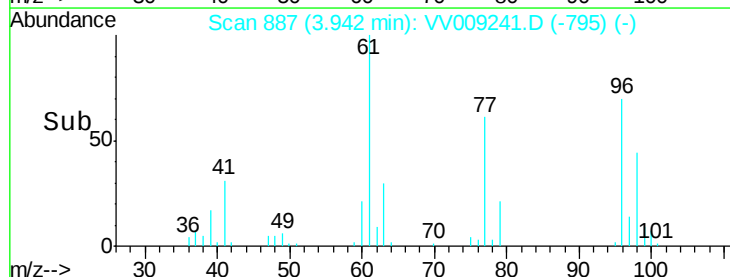
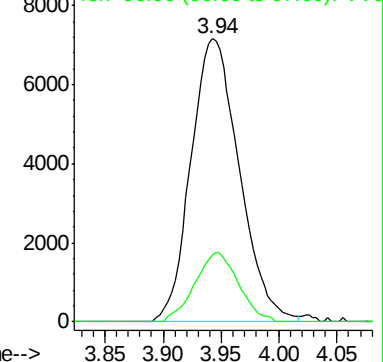
Ion Ratio Lower Upper

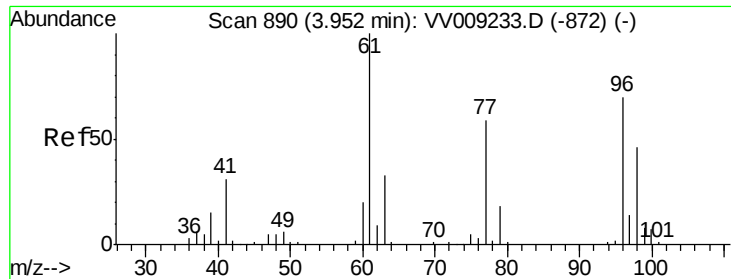
77 100

97 22.1 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV009241.D (-795) (-)





#27

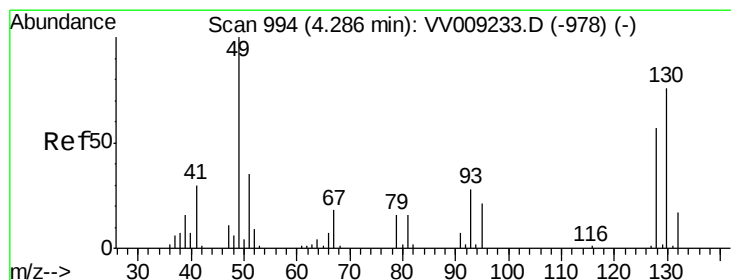
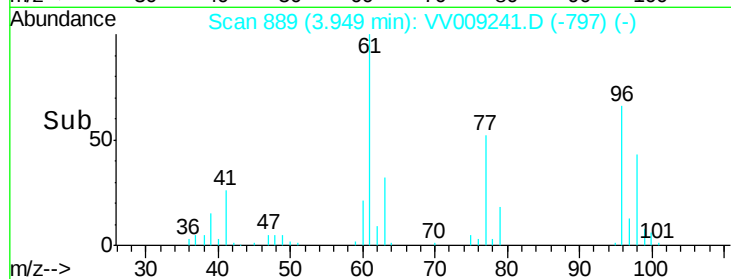
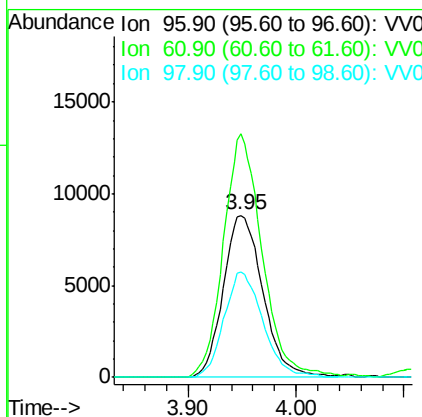
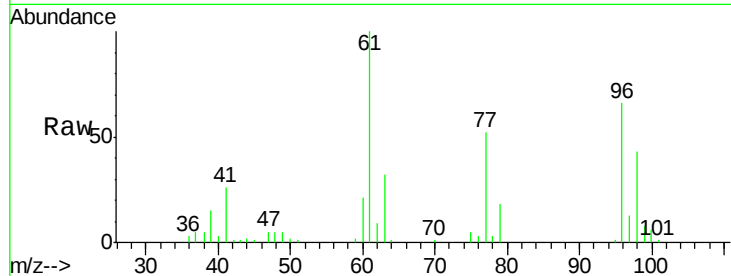
cis-1,2-Dichloroethene
Concen: 20.157 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	22612		
61	146.2		0.0	296.4
98	63.7		0.0	130.0

Manual Integrations
APPROVED

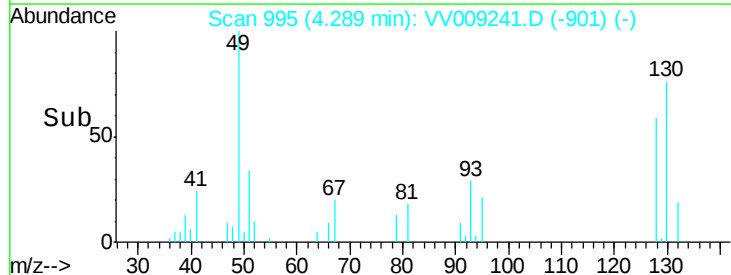
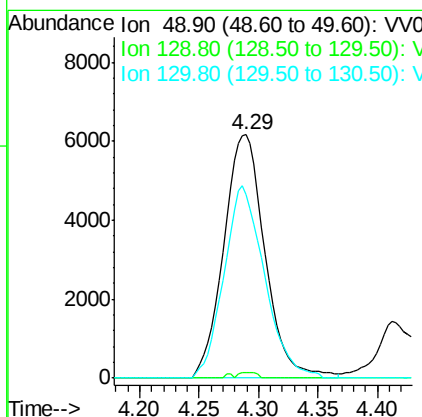
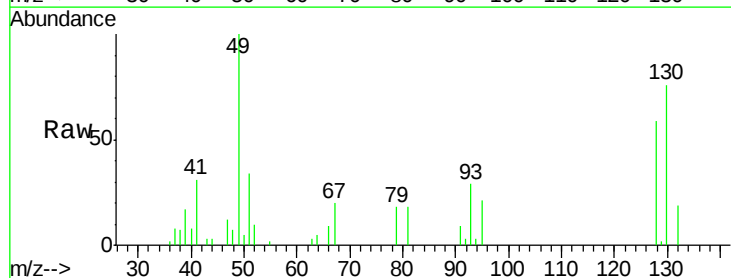
MMDadoda
1/24/2019 11:44:51 AM

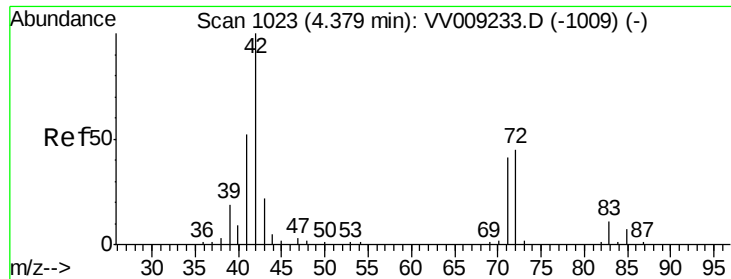


#28

Bromochloromethane
Concen: 20.435 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14834		
129	1.0		0.0	3.6
130	77.7		60.2	90.4





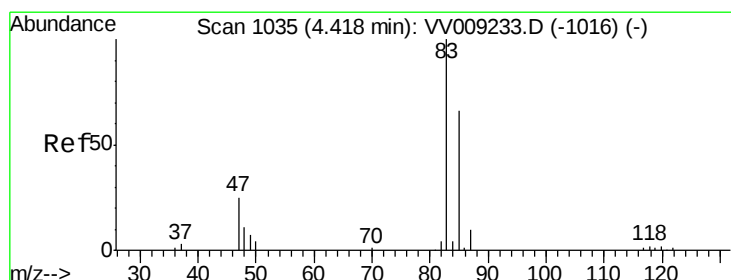
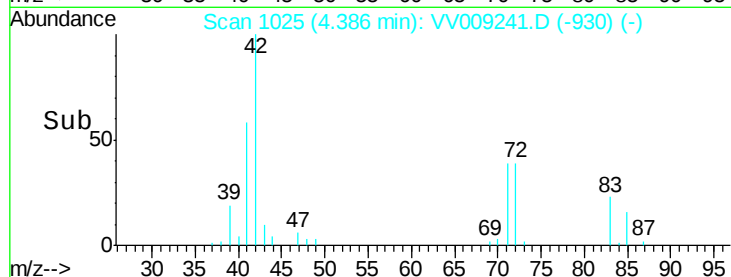
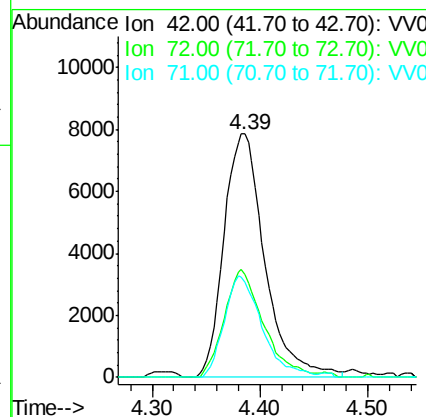
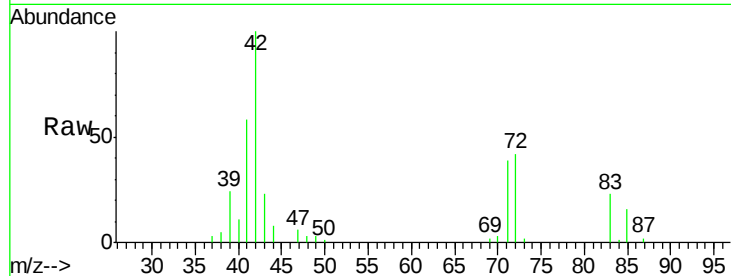
#29
Tetrahydrofuran
Concen: 123.802 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	37.7	56.5
71	38.5	31.5	47.3

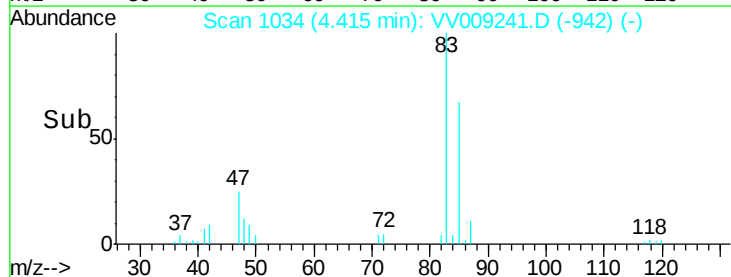
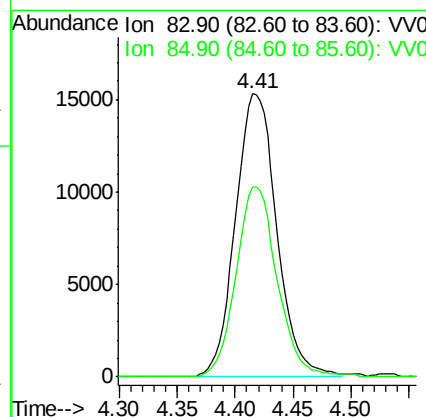
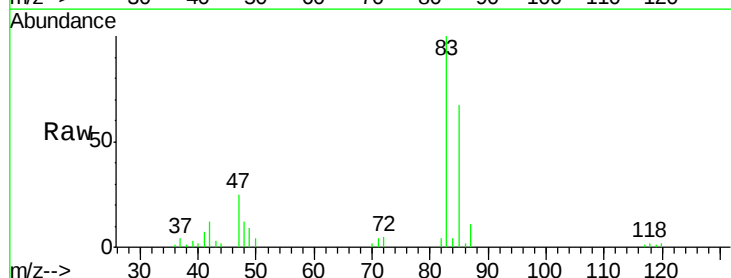
Manual Integrations
APPROVED

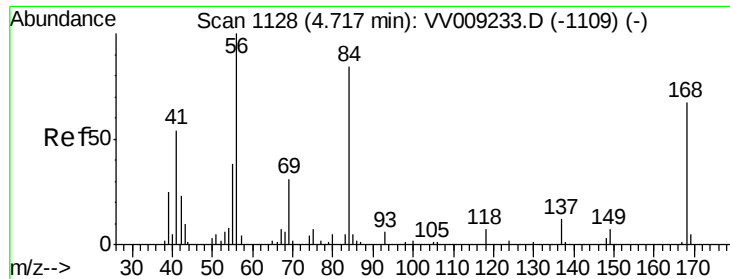
MMDadoda
1/24/2019 11:44:51 AM



#30
Chloroform
Concen: 19.261 ug/l
RT: 4.41 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.6	79.0





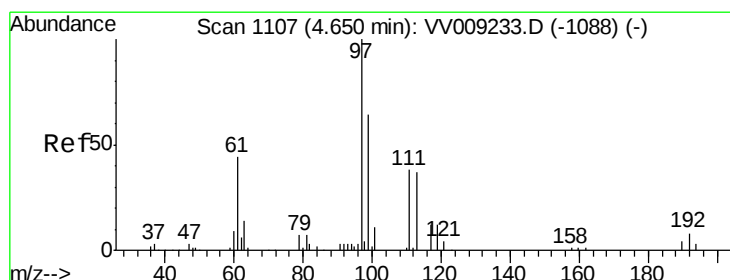
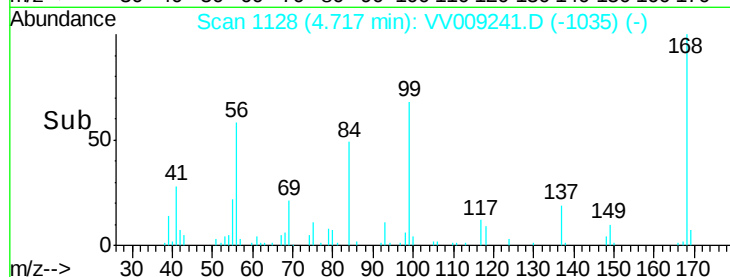
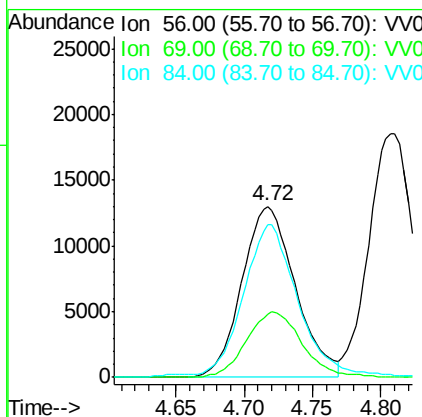
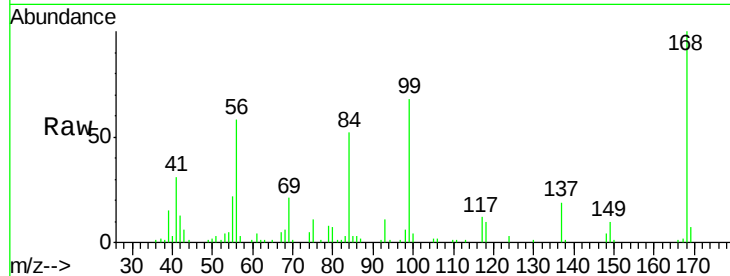
#31
Cyclohexane
Concen: 19.682 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.1	37.7
84	87.9	67.3	100.9

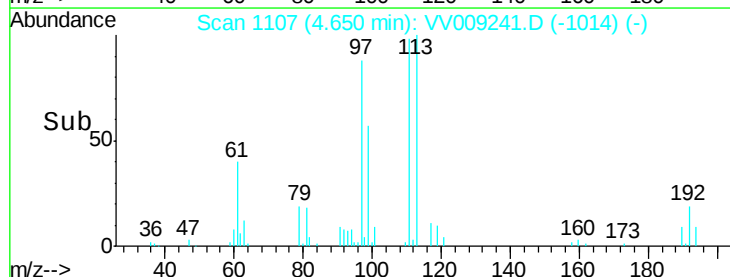
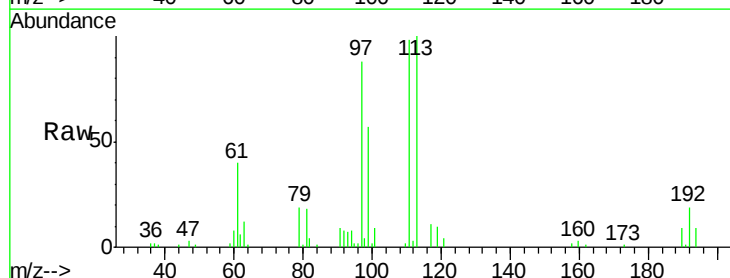
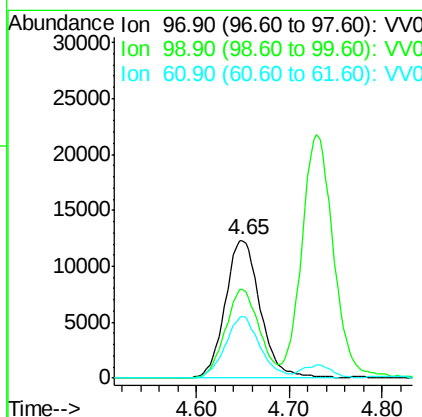
Manual Integrations
APPROVED

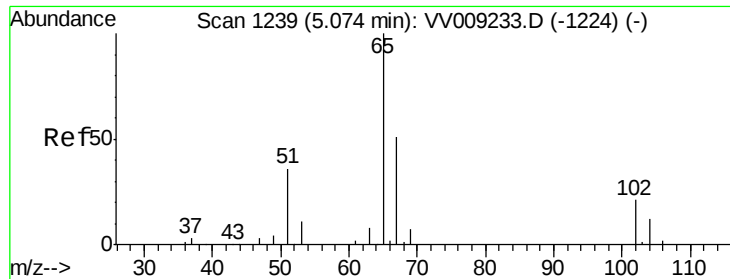
MMDadoda
1/24/2019 11:44:51 AM



#32
1,1,1-Trichloroethane
Concen: 19.434 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.2	75.2
61	43.9	34.7	52.1





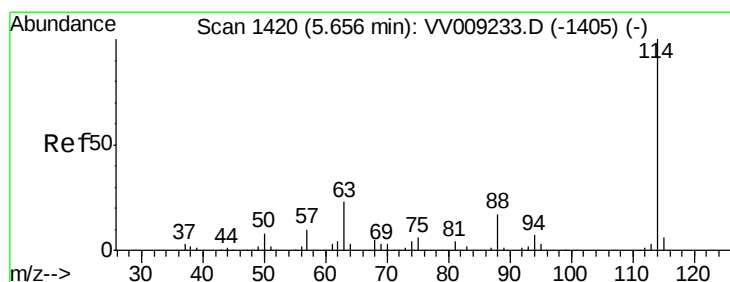
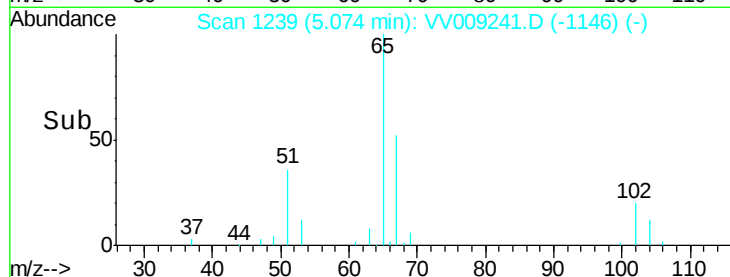
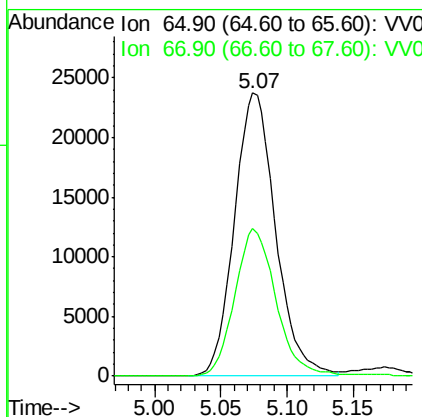
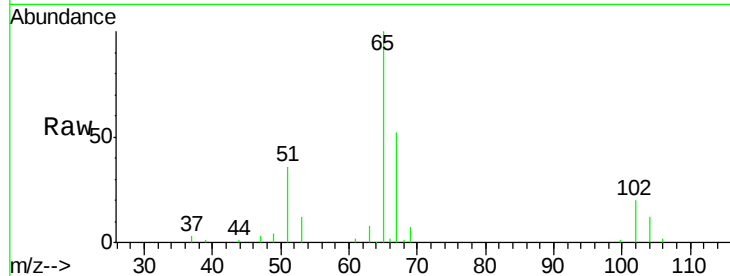
#33
 1,2-Dichloroethane-d4
 Concen: 51.848 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.8

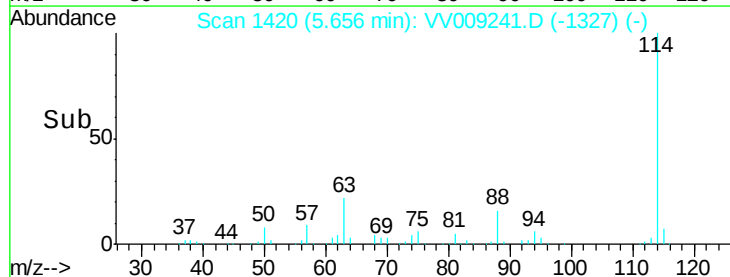
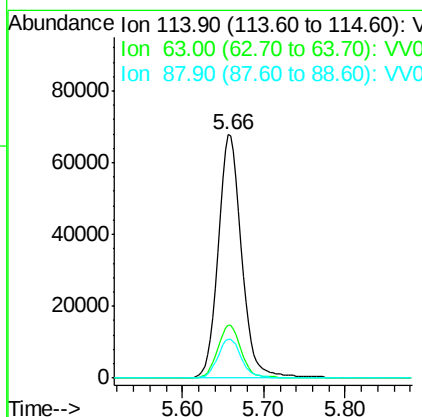
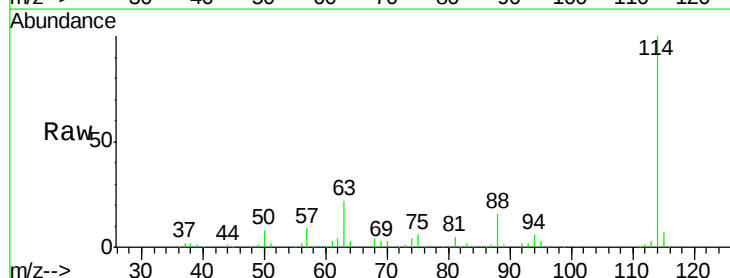
Manual Integrations
 APPROVED

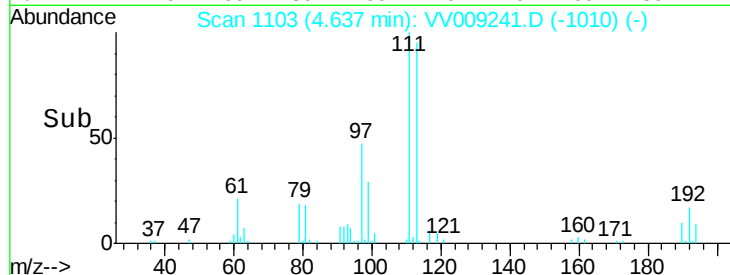
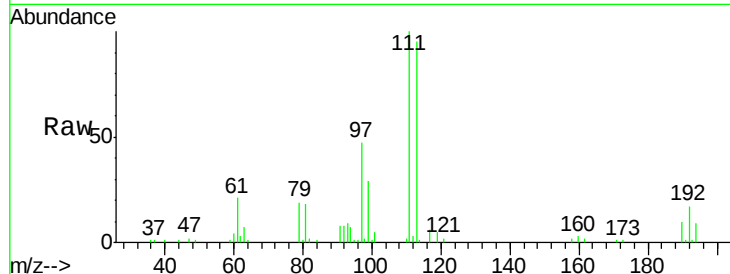
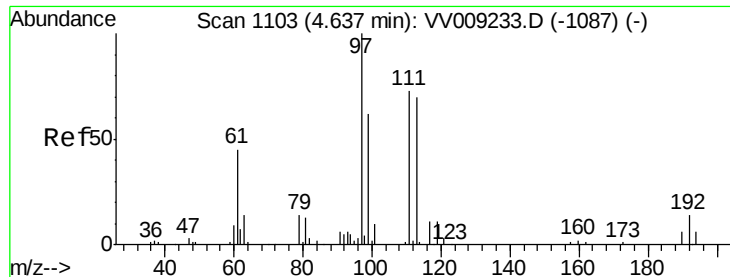
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 1/24/2019 11:44:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	45.2
88	16.0	0.0	33.4





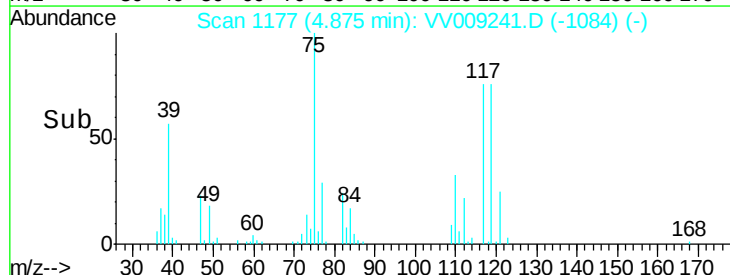
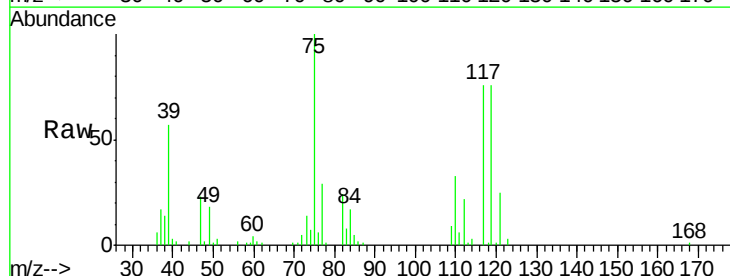
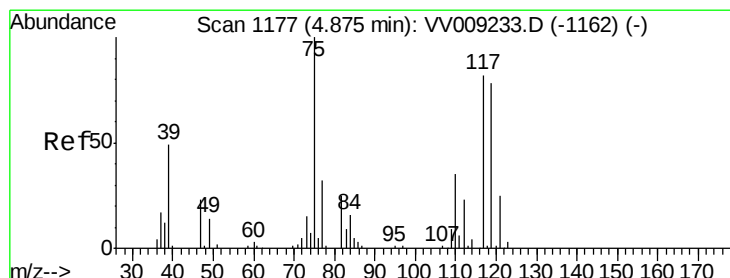
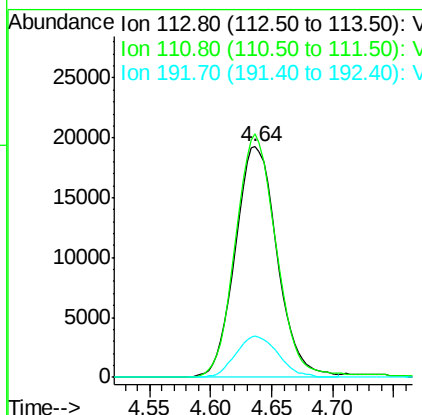
#35
Dibromofluoromethane
Concen: 51.026 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	18.0	15.0	22.6

Instrument :
MSVOA_V
ClientSampleID :
VV0122SBS01

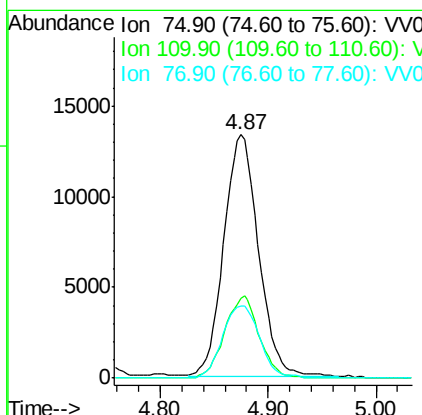
Manual Integrations
APPROVED

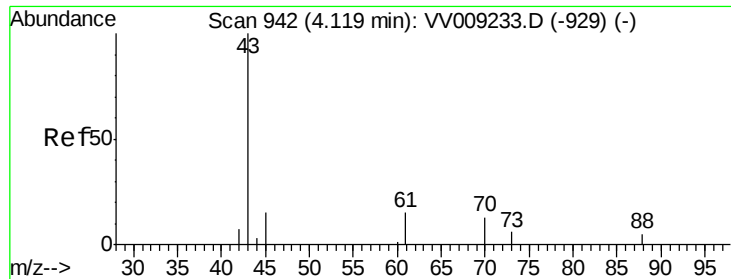
MMDadoda
1/24/2019 11:44:51 AM



#36
1,1-Dichloropropene
Concen: 19.345 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.5	52.5
77	32.0	25.5	38.3





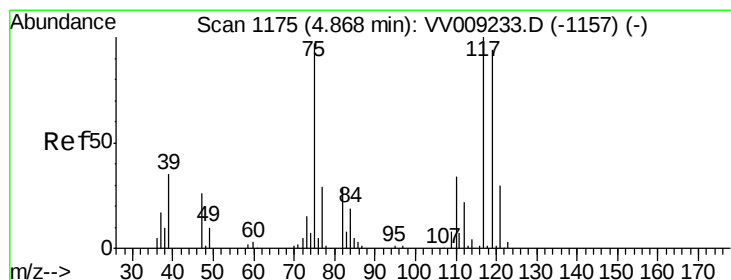
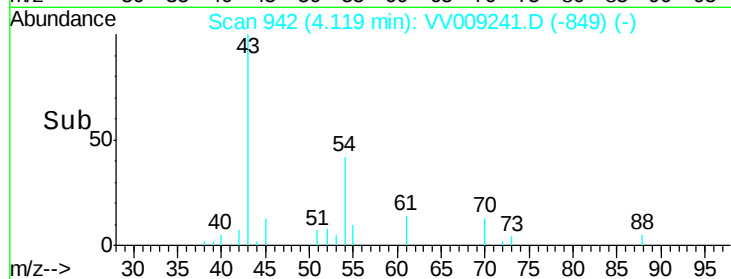
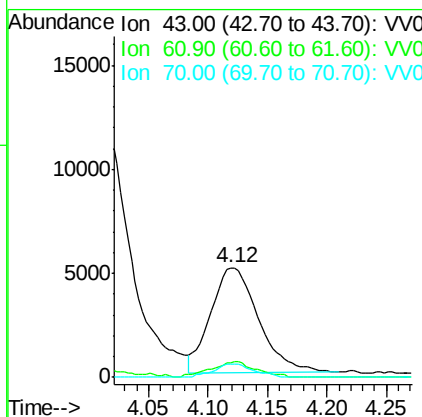
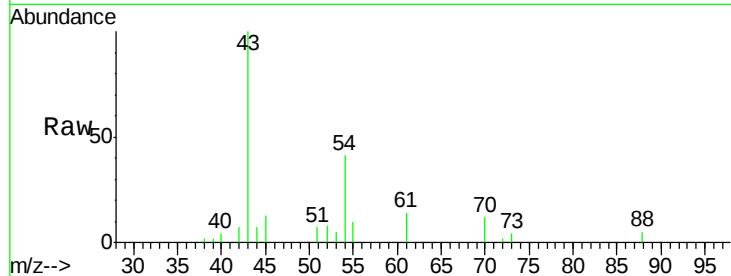
#37
Ethyl Acetate
Concen: 24.082 ug/l
RT: 4.12 min Scan# 942
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.0	18.0
70	10.6	8.7	13.1

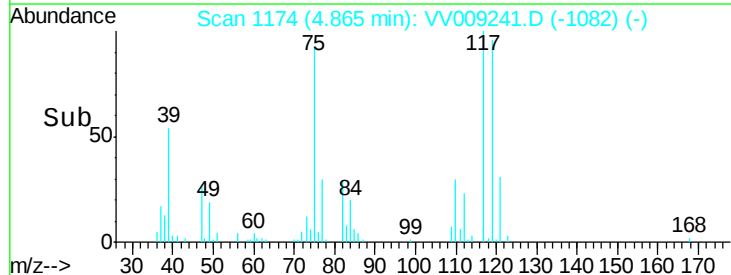
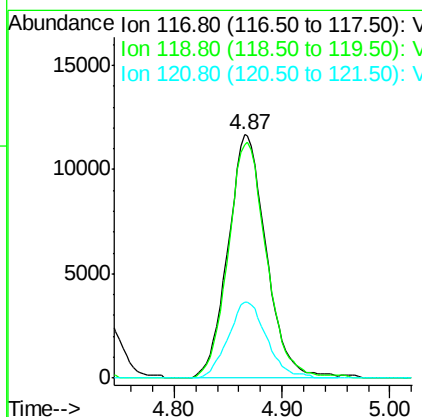
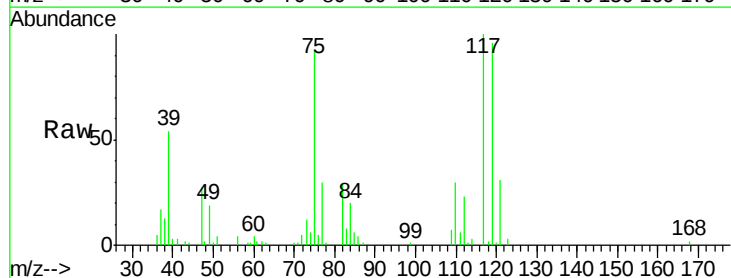
Manual Integrations
APPROVED

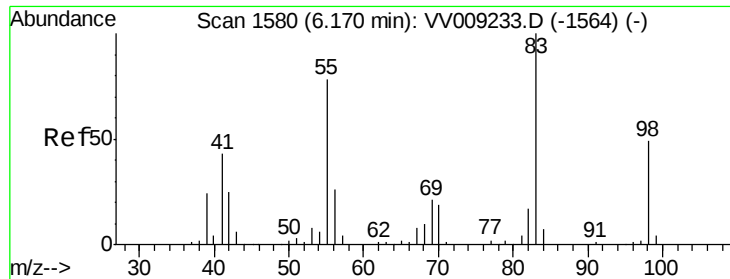
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1/24/2019 11:44:51 AM



#38
Carbon Tetrachloride
Concen: 18.742 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.4	113.2
121	31.3	24.2	36.2





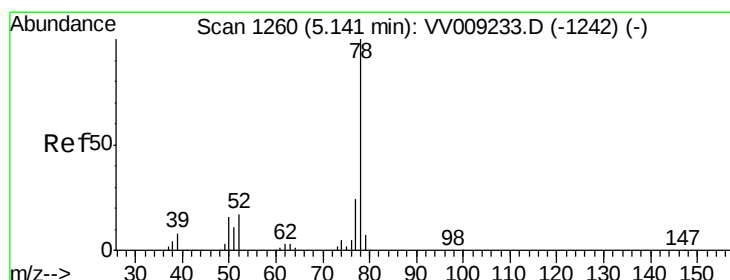
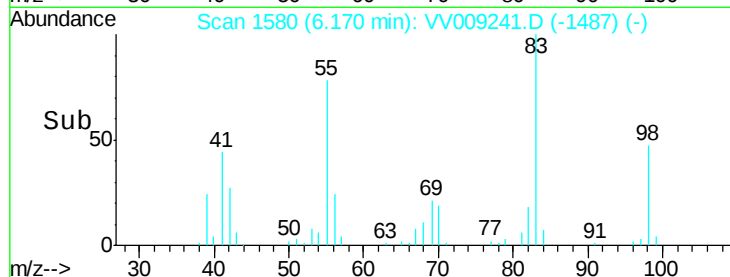
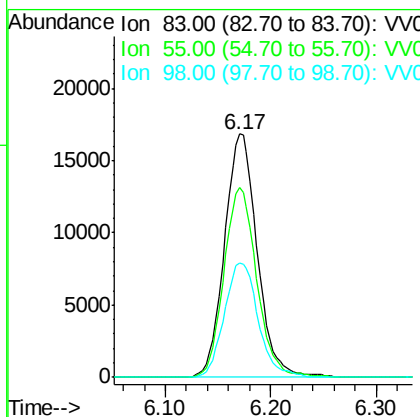
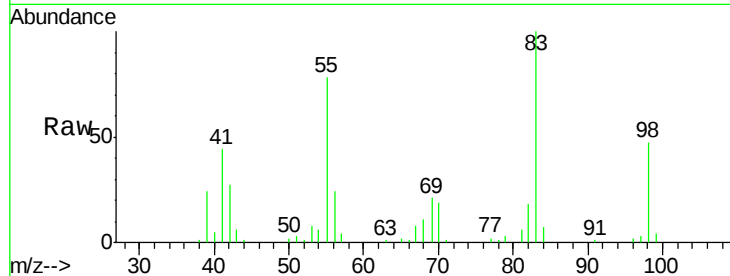
#39
Methvlcvclohexane
Concen: 19.868 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	46.8	39.1	58.7

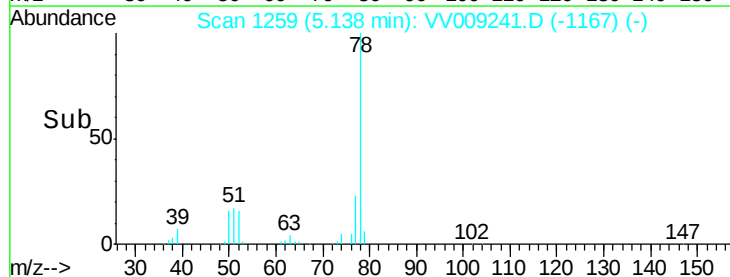
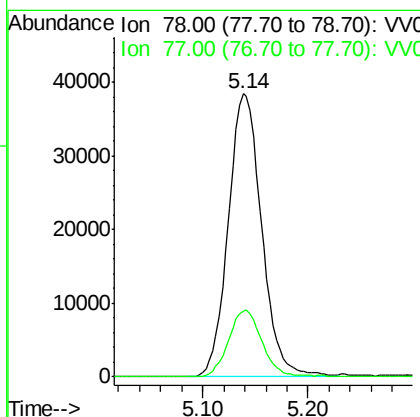
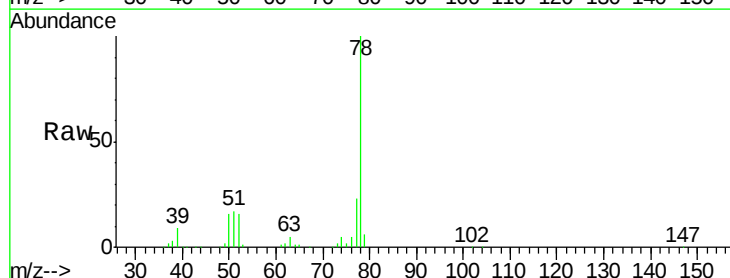
Manual Integrations
APPROVED

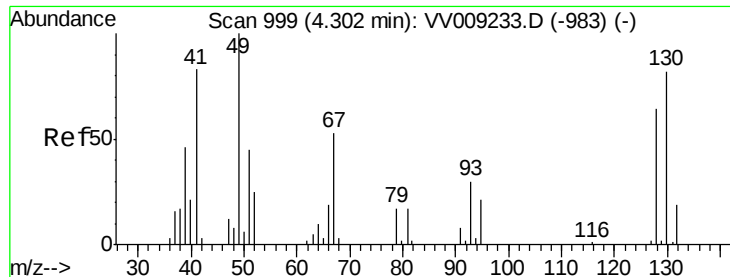
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1/24/2019 11:44:51 AM



#40
Benzene
Concen: 19.716 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.2





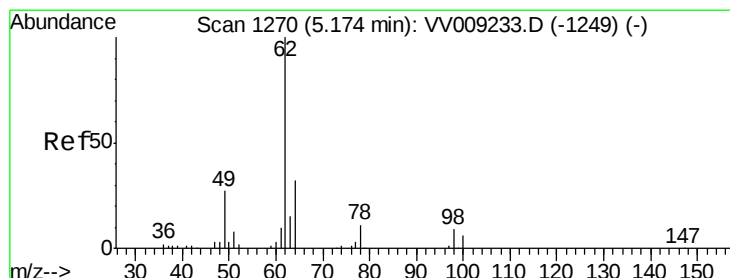
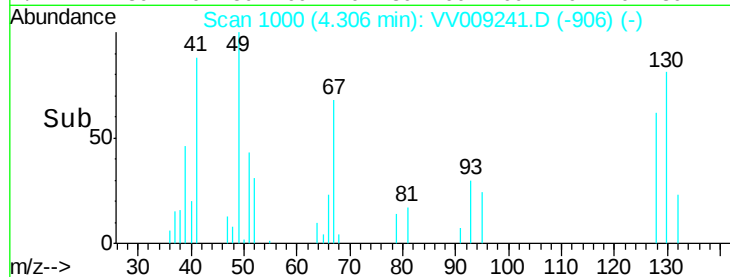
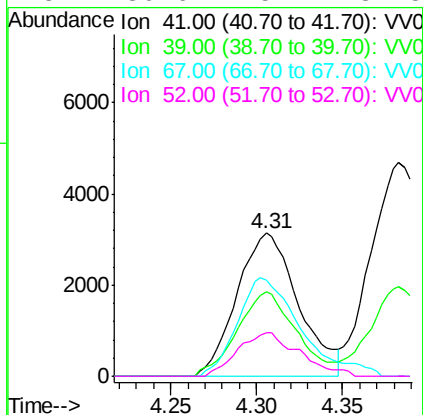
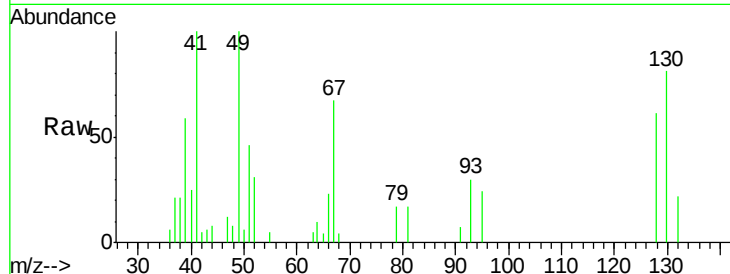
#41
Methacrylonitrile
Concen: 21.855 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	45.4	68.0	
67	70.7	55.5	83.3	
52	30.6	25.2	37.8	

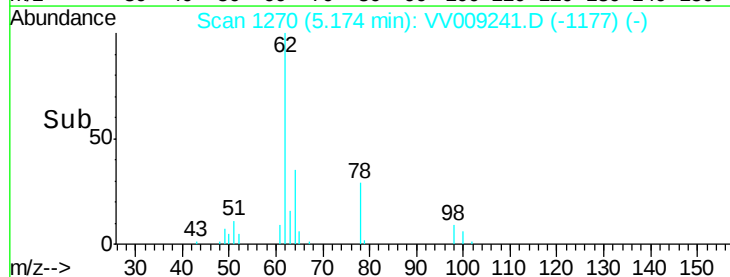
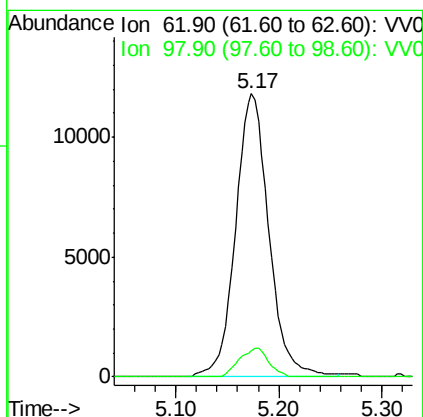
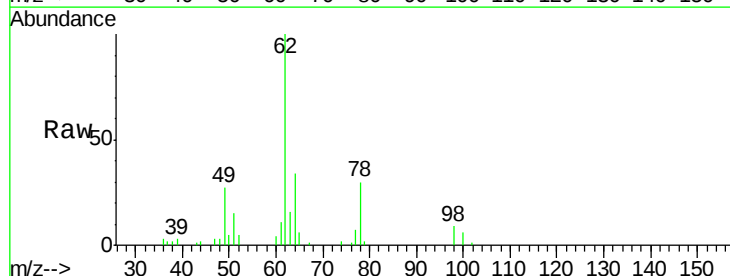
Manual Integrations
APPROVED

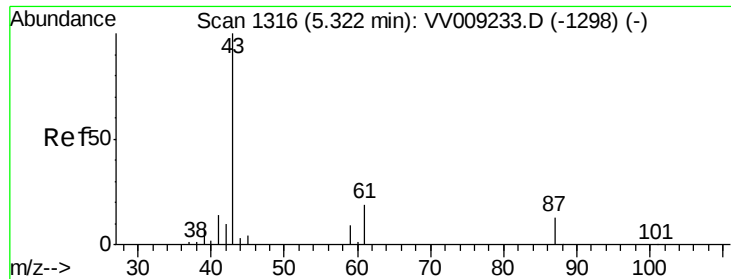
MMDadoda
1/24/2019 11:44:51 AM



#42
1,2-Dichloroethane
Concen: 19.736 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	16.4	





#43

Isopropyl Acetate

Concen: 22.744 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

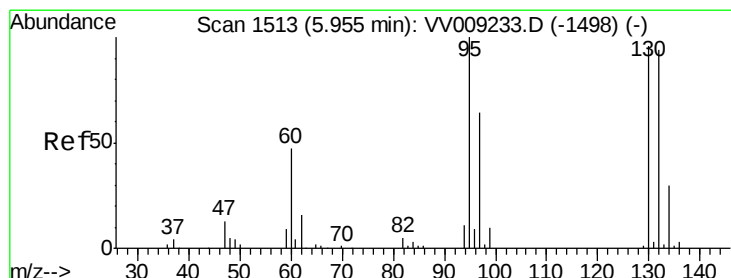
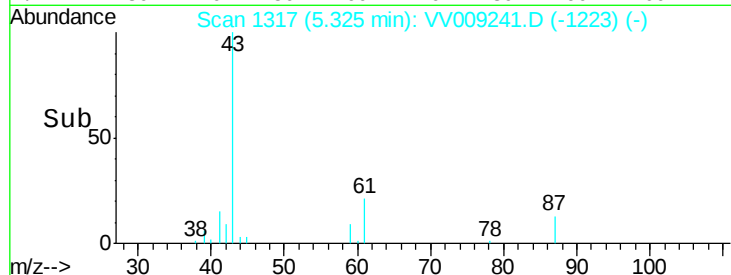
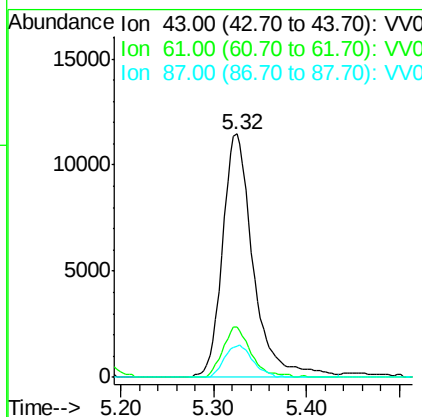
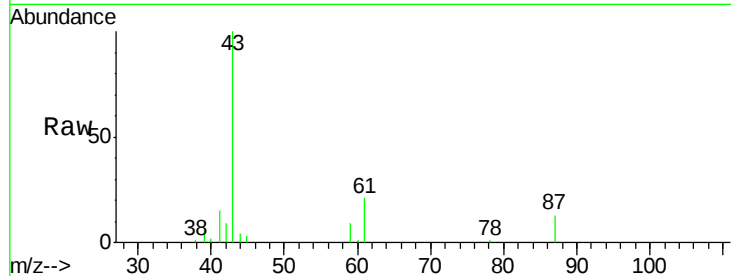
ClientSampleId :

VV0122SBS01

Tot Ion:	43	Resp:	26390
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.0
87	12.1	9.9	14.9

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#44

Trichloroethene

Concen: 19.242 ug/l

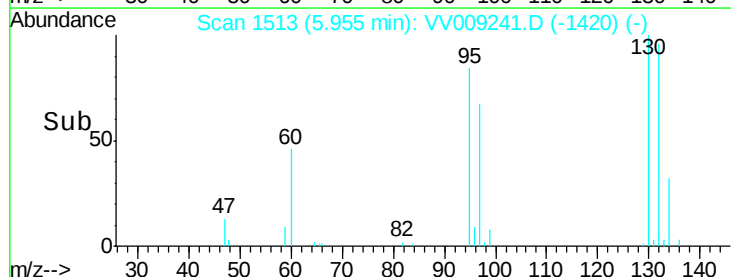
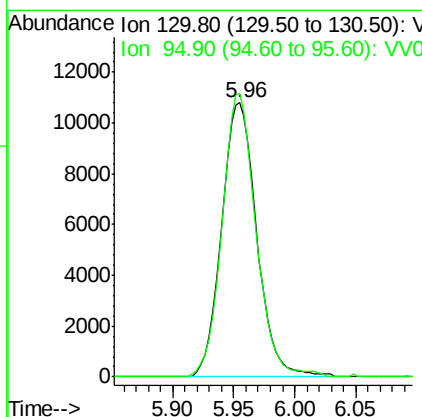
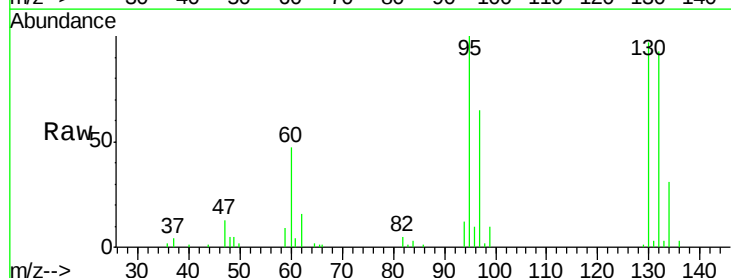
RT: 5.96 min Scan# 1513

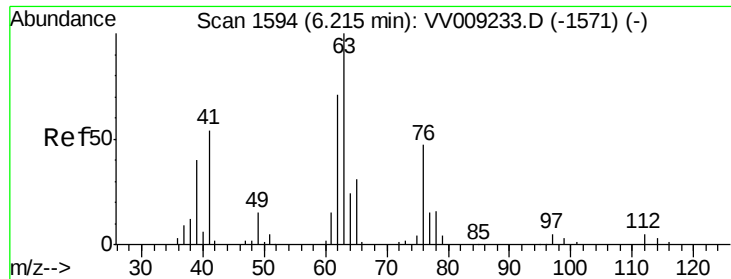
Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion:	130	Resp:	21738
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	208.2





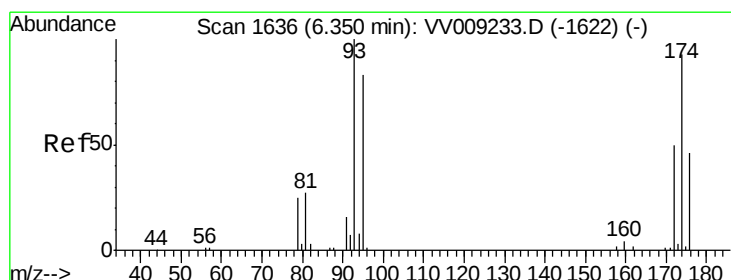
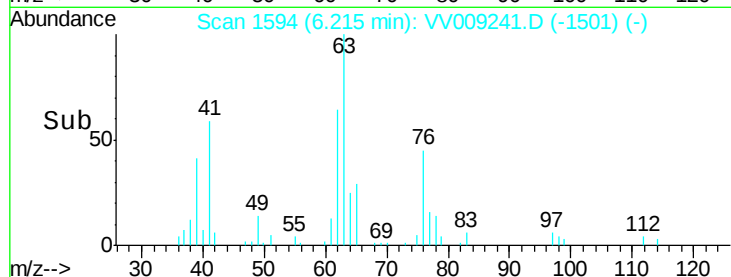
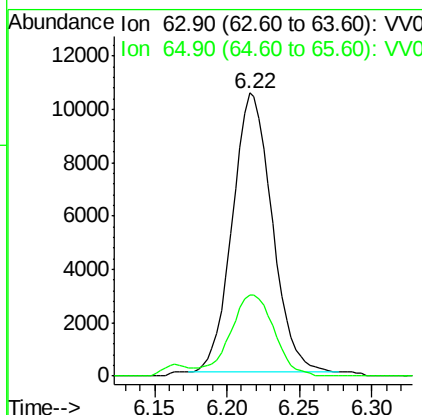
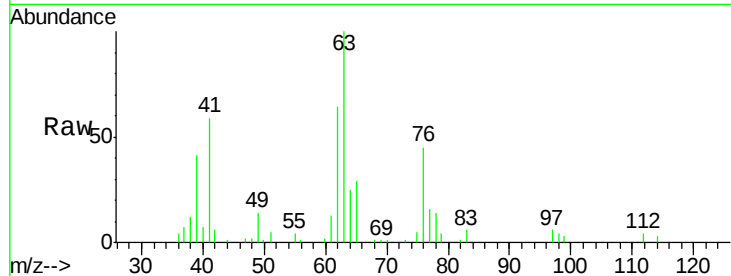
#45
 1,2-Dichloropropane
 Concen: 19.362 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion: 63 Resp: 19994
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.1 37.7

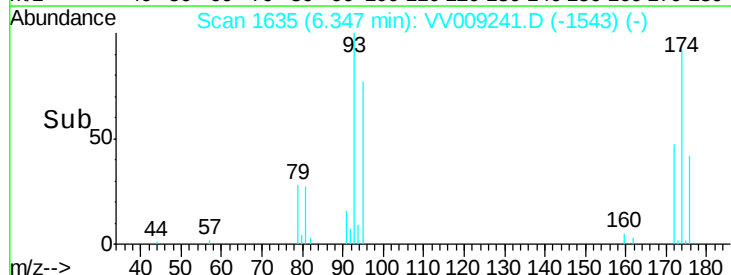
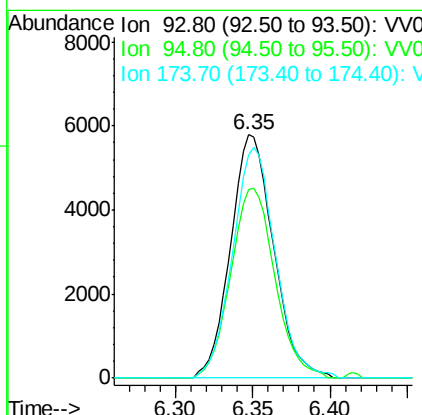
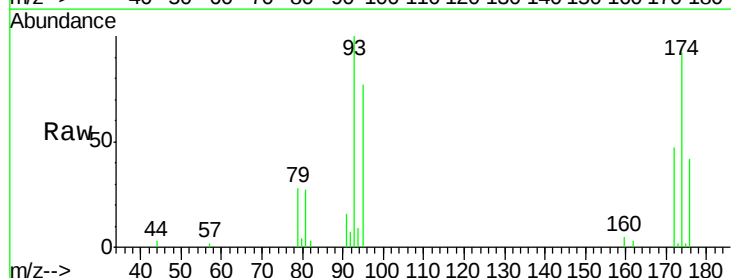
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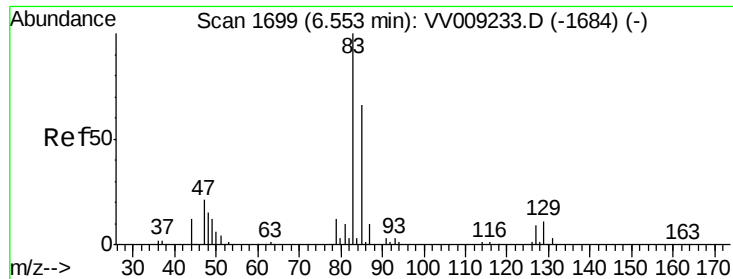
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#46
 Dibromomethane
 Concen: 21.124 ug/l
 RT: 6.35 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion: 93 Resp: 11193
 Ion Ratio Lower Upper
 93 100
 95 79.9 64.6 97.0
 174 94.5 74.0 111.0





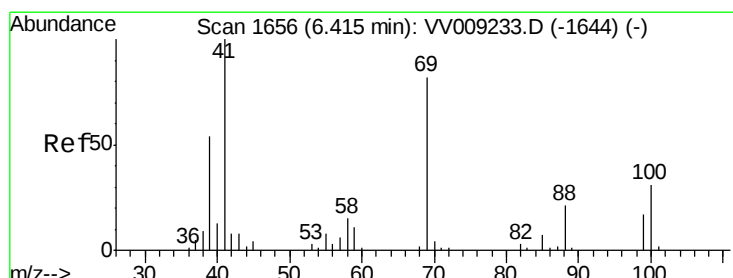
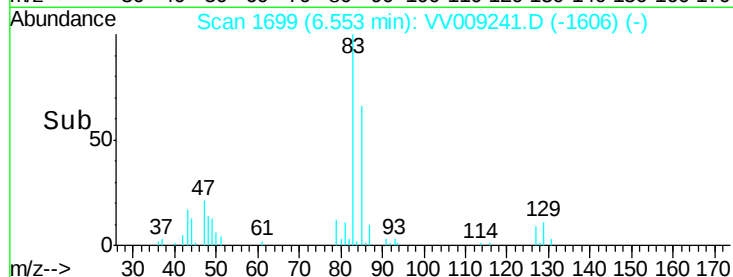
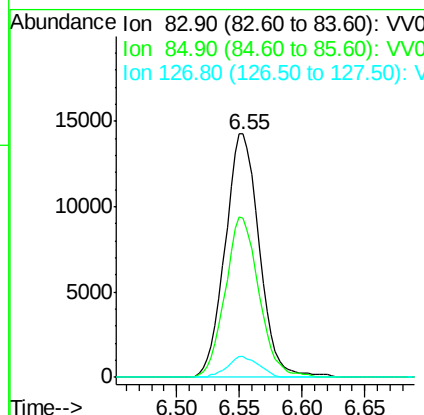
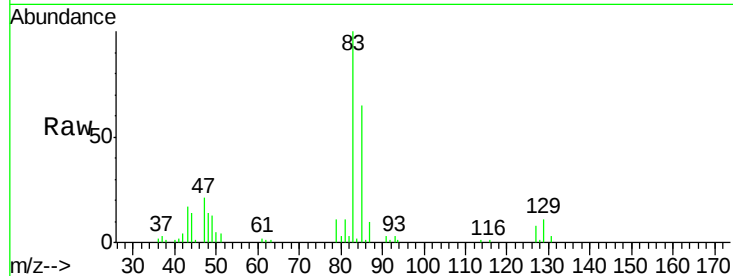
#47
Bromodichloromethane
Concen: 19.270 ug/l
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	83	Resp	26982
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	52.6	78.8
127	8.5	7.0	10.6

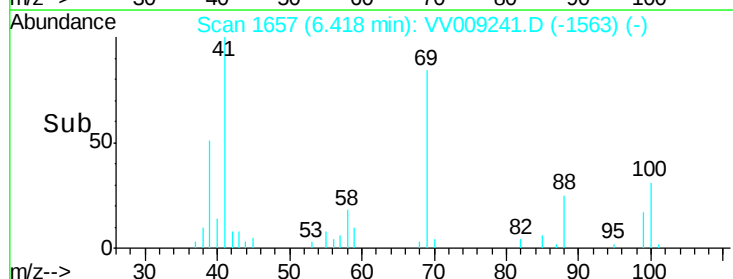
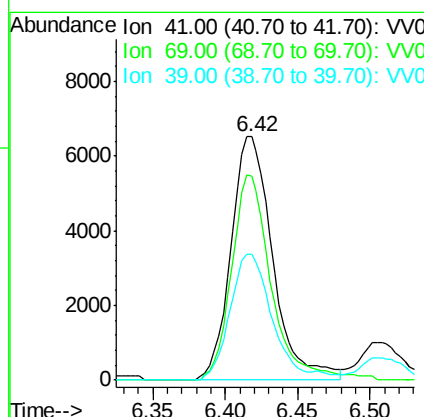
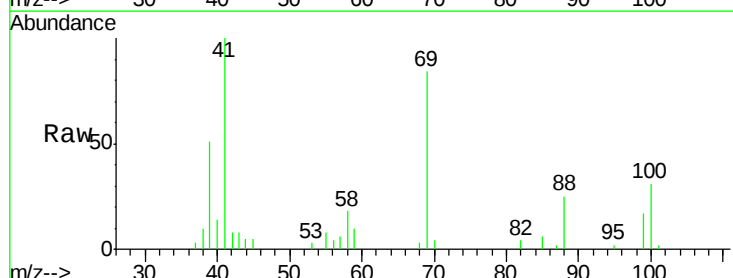
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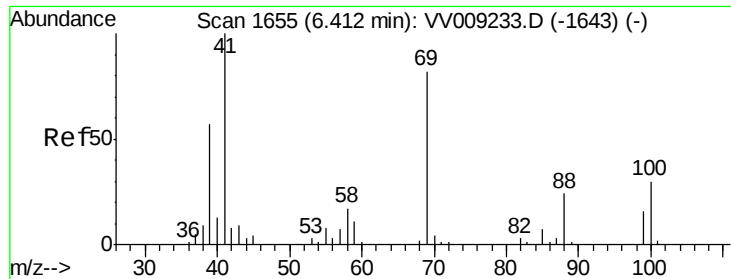
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1/24/2019 11:44:51 AM



#48
Methyl methacrylate
Concen: 22.052 ug/l
RT: 6.42 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	41	Resp	13057
Ion Ratio	100	Lower	Upper
41	100		
69	80.0	65.8	98.6
39	50.8	43.4	65.0





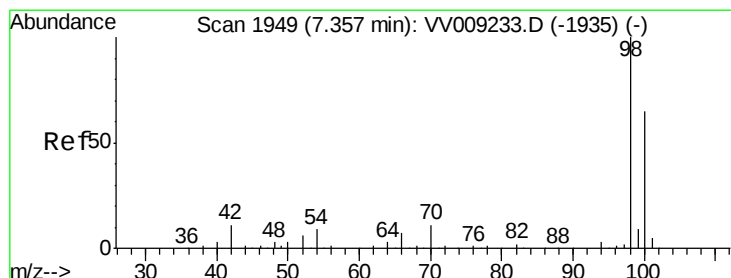
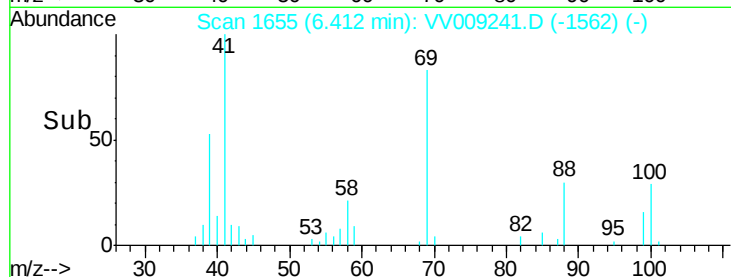
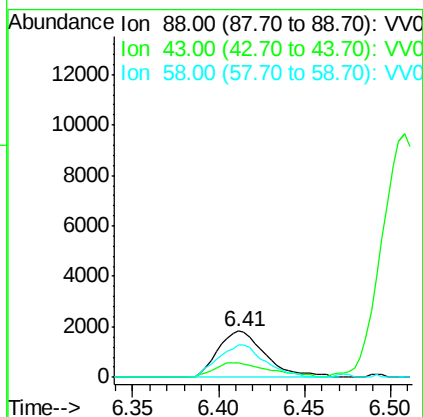
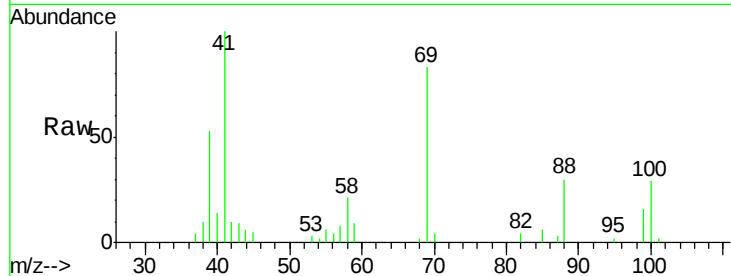
#49
1,4-Dioxane
Concen: 521.208 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	31.9	47.9
58	68.5	62.0	93.0

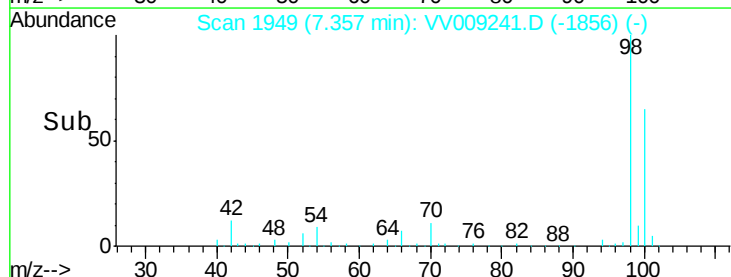
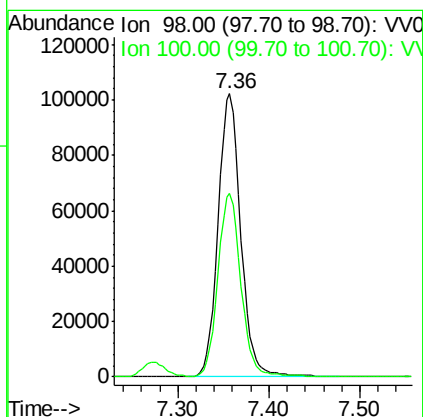
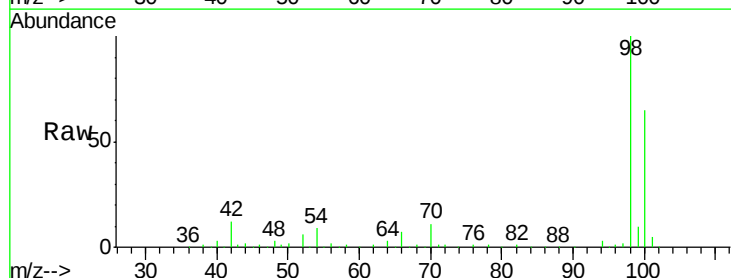
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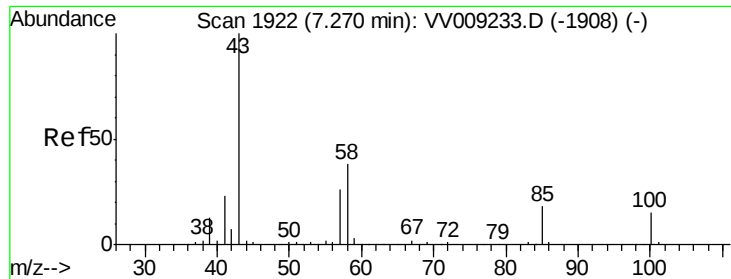
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#50
Toluene-d8
Concen: 50.750 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 110.002 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 43 Resp: 64777

Ion Ratio Lower Upper

43 100

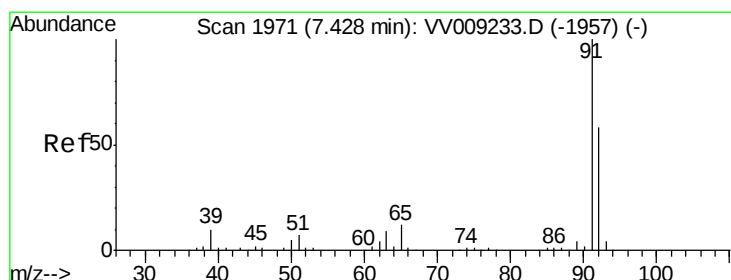
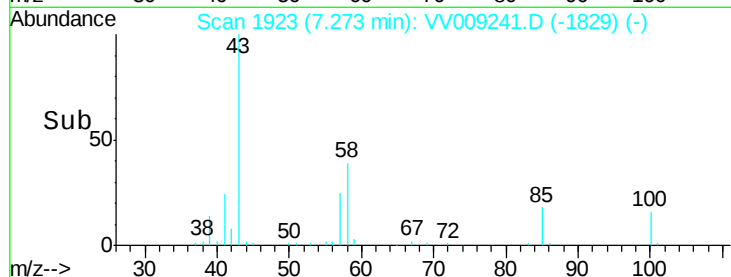
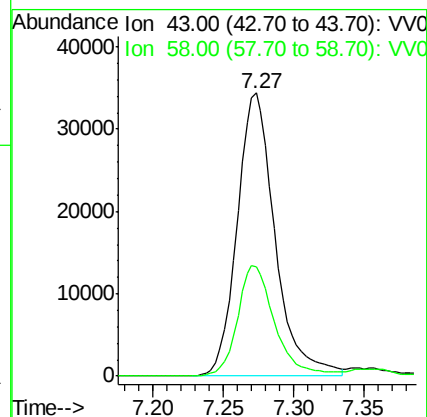
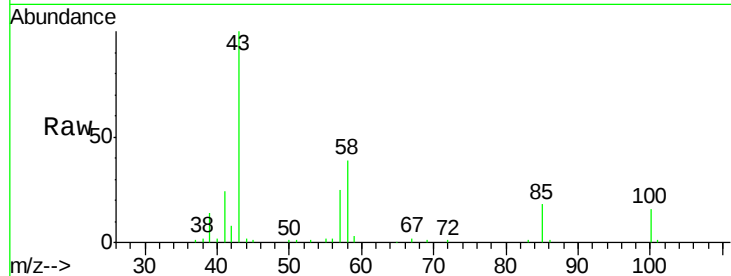
58 38.4 30.4 45.6

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#52

Toluene

Concen: 19.376 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009241.D

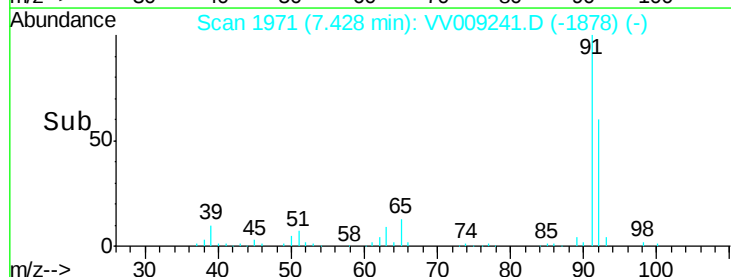
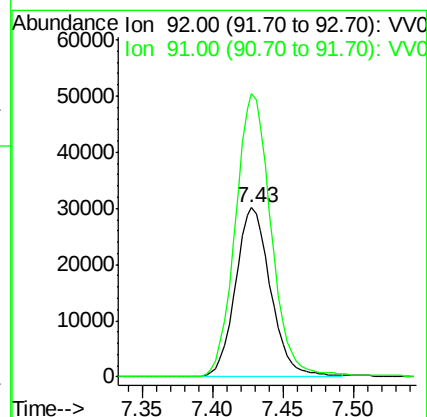
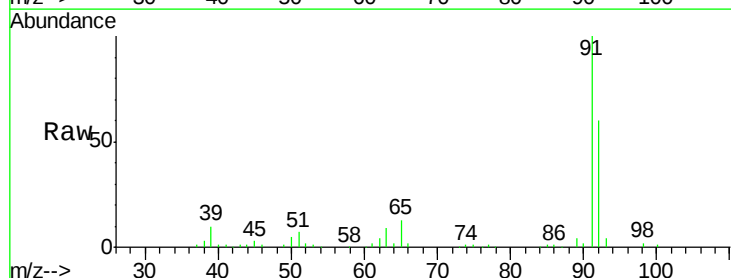
Acq: 22 Jan 2019 18:32

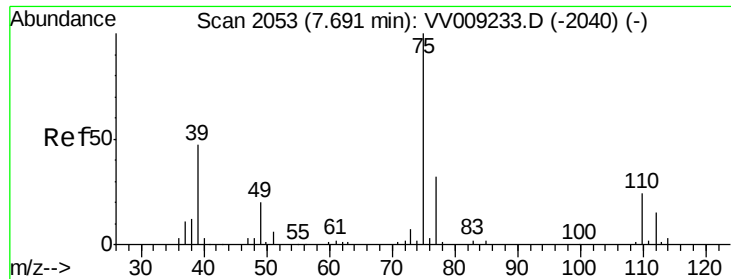
Tgt Ion: 92 Resp: 52620

Ion Ratio Lower Upper

92 100

91 170.3 137.2 205.8





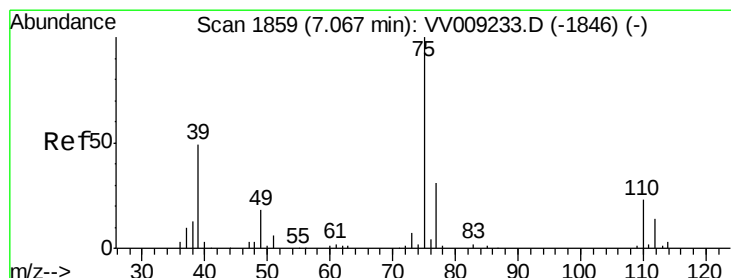
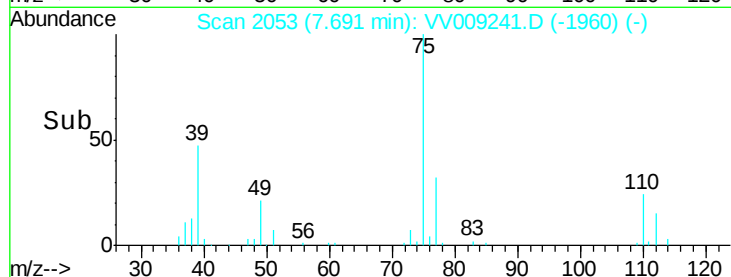
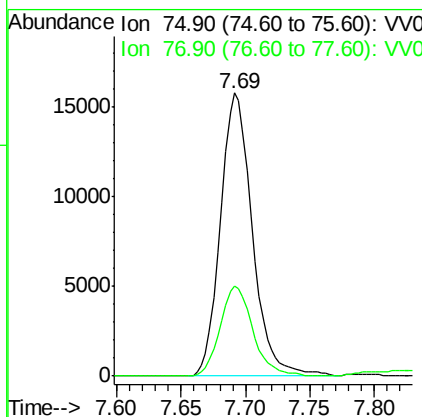
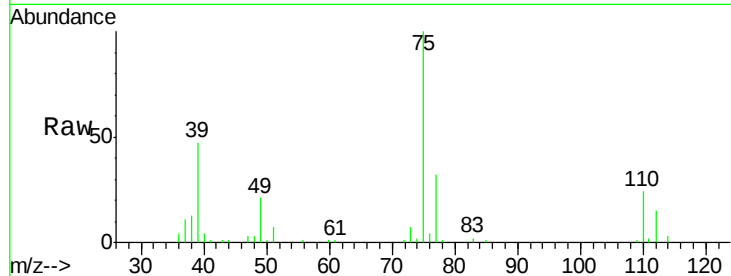
#53
t-1,3-Dichloropropene
Concen: 19.911 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion: 75 Resp: 27135
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8

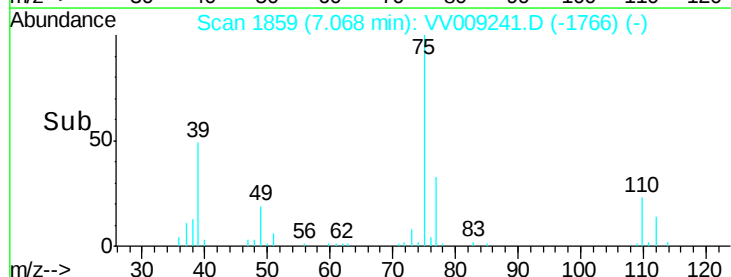
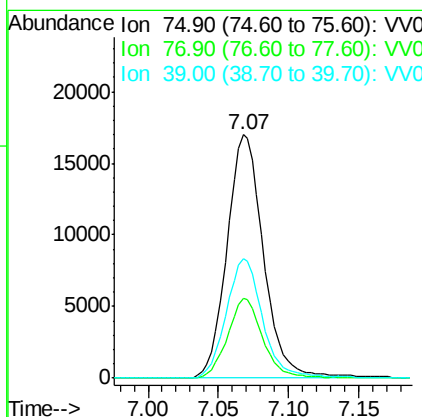
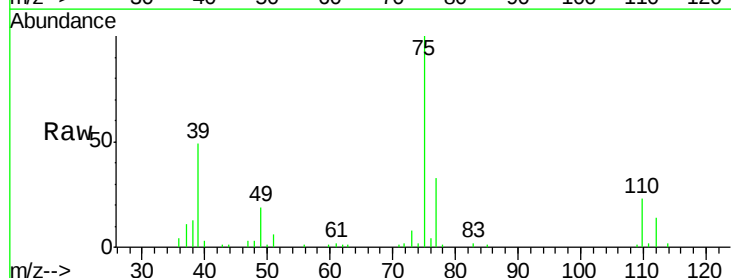
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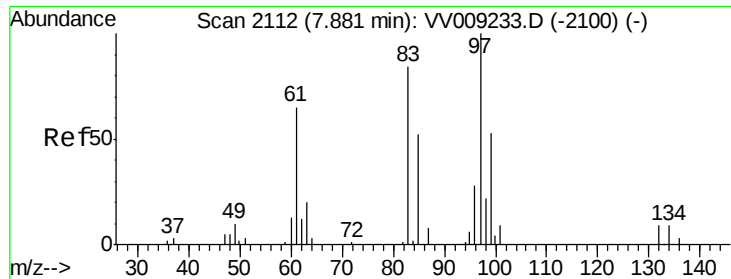
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#54
cis-1,3-Dichloropropene
Concen: 19.561 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion: 75 Resp: 30696
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7
39 49.3 38.8 58.2





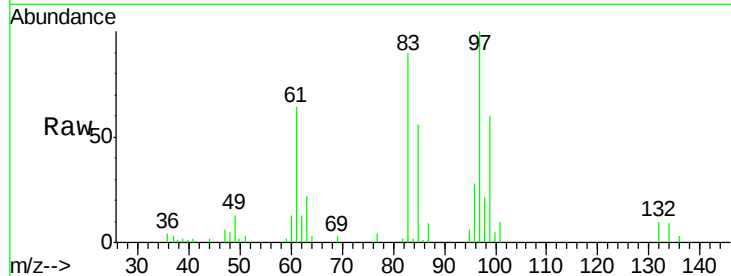
#55
1,1,2-Trichloroethane
Concen: 20.858 ug/l
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

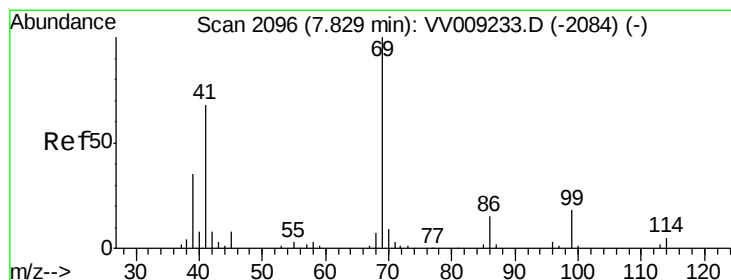
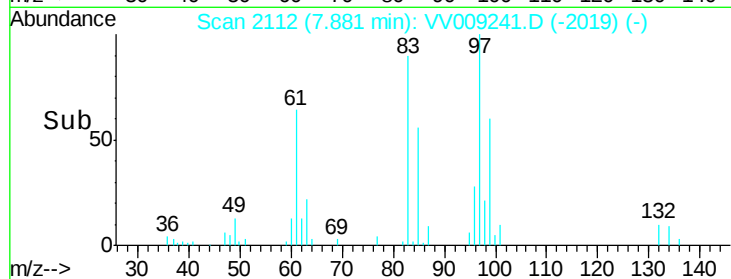
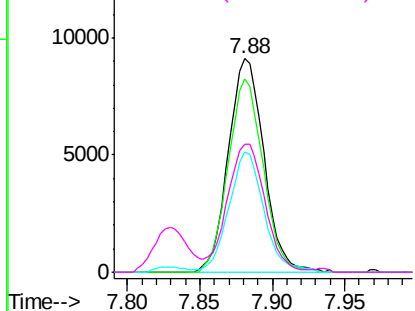
Tot Ion	97	Resp	15572
Ion Ratio	Lower	Upper	
97	100		
83	90.5	67.4	101.0
85	56.1	42.6	64.0
99	60.0	51.1	76.7

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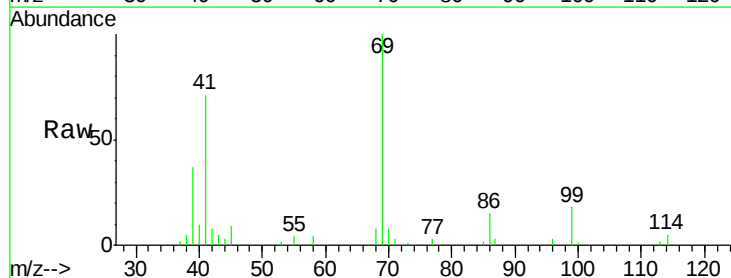


Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 82.90 (82.60 to 83.60): VV0
Ion 84.90 (84.60 to 85.60): VV0
Ion 98.90 (98.60 to 99.60): VV0

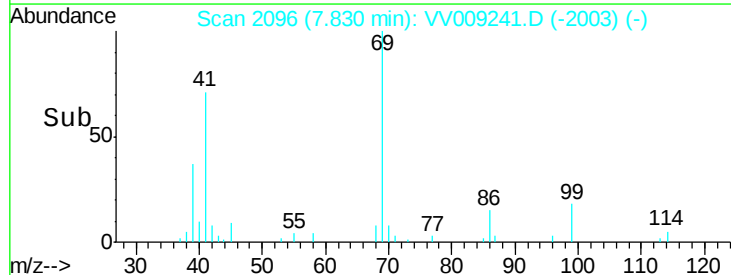
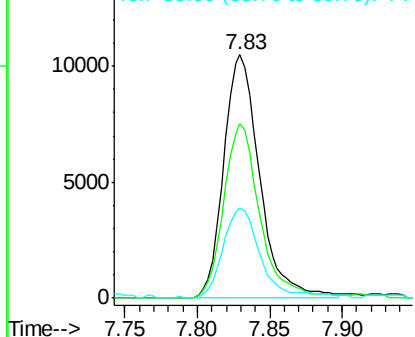


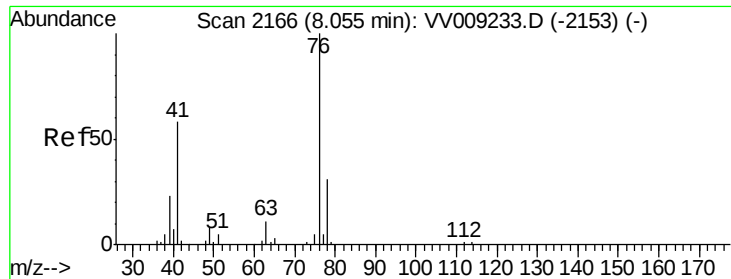
#56
Ethyl methacrylate
Concen: 20.799 ug/l
RT: 7.83 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	69	Resp	18091
Ion Ratio	Lower	Upper	
69	100		
41	71.8	54.0	81.0
39	39.0	26.8	40.2



Abundance Ion 69.00 (68.70 to 69.70): VV0
Ion 41.00 (40.70 to 41.70): VV0
Ion 39.00 (38.70 to 39.70): VV0





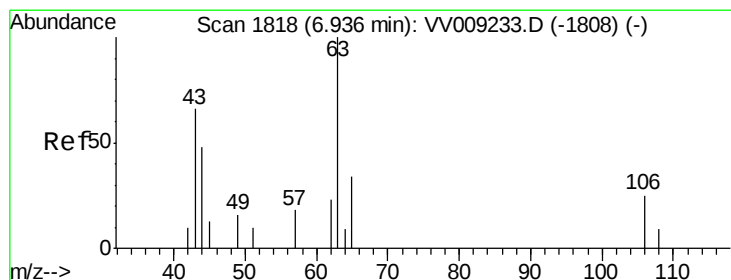
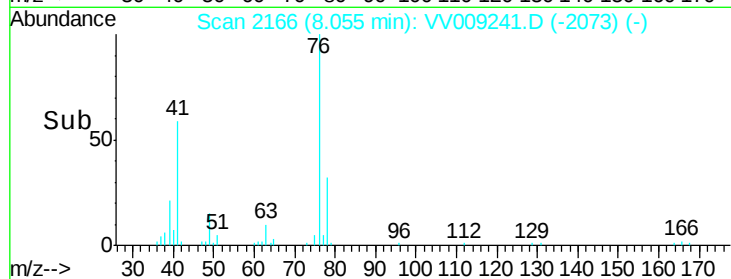
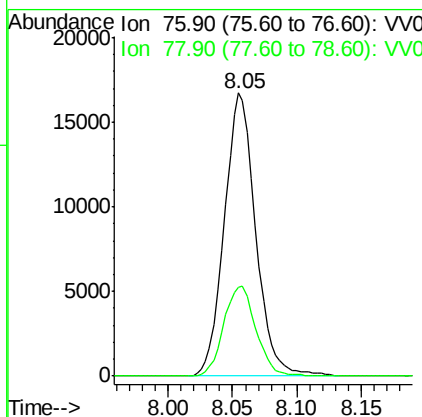
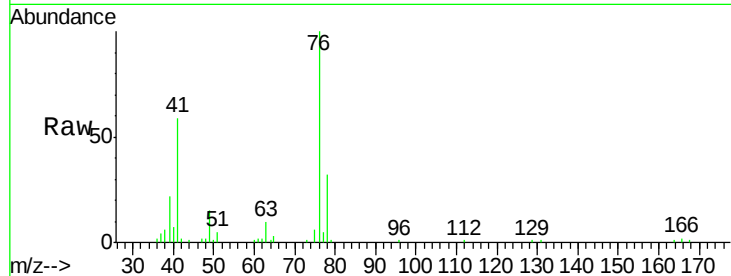
#57
 1,3-Dichloropropane
 Concen: 20.850 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion: 76 Resp: 28183
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3

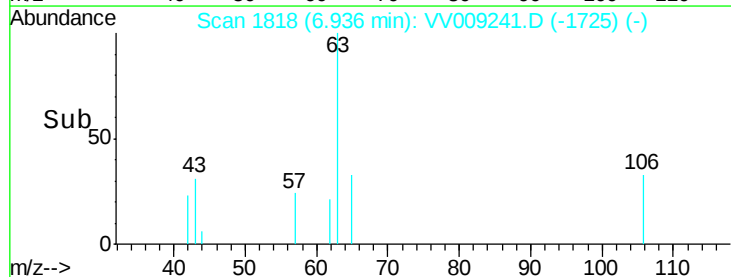
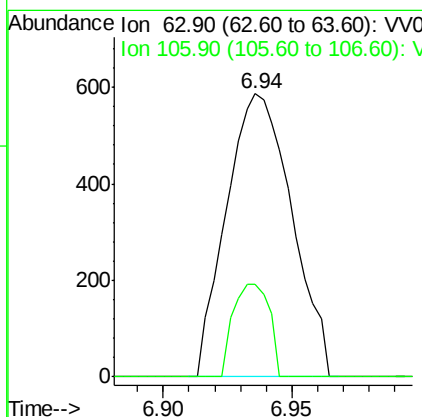
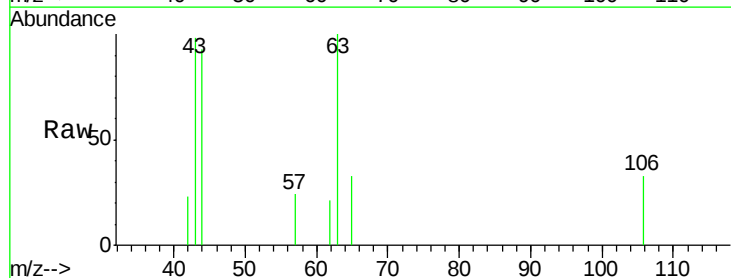
Manual Integrations
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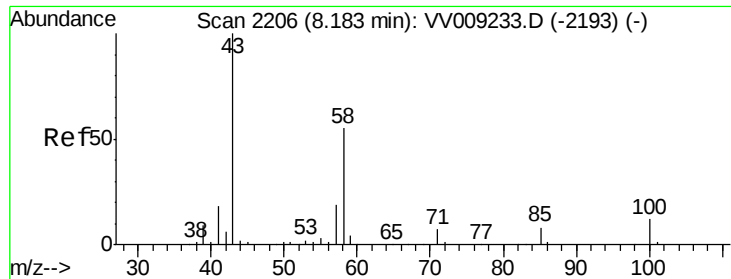
MMDadoda
 1/24/2019 11:44:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.291 ug/l
 RT: 6.94 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion: 63 Resp: 1037
 Ion Ratio Lower Upper
 63 100
 106 18.0 19.0 28.6#





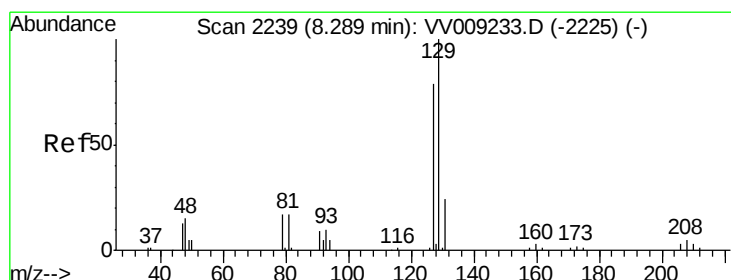
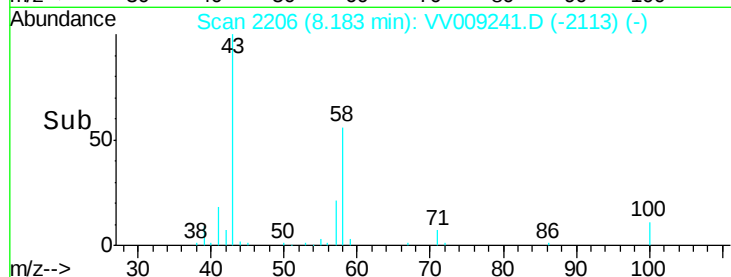
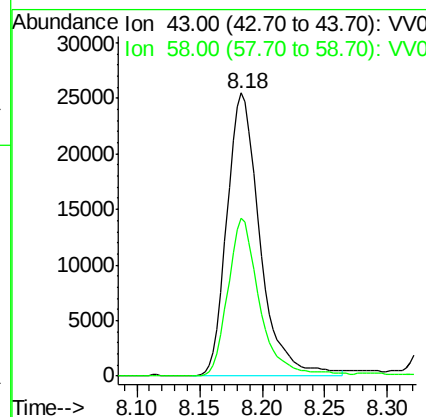
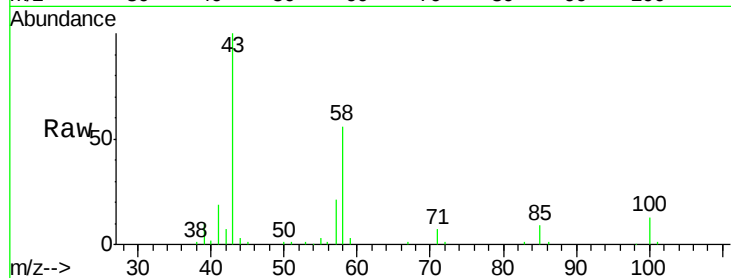
#59
2-Hexanone
Concen: 109.908 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	43	Resp	46812
Ion Ratio	100	Lower	Upper
58	52.3	27.5	82.5

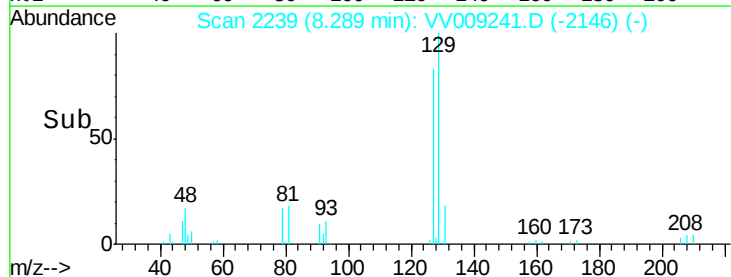
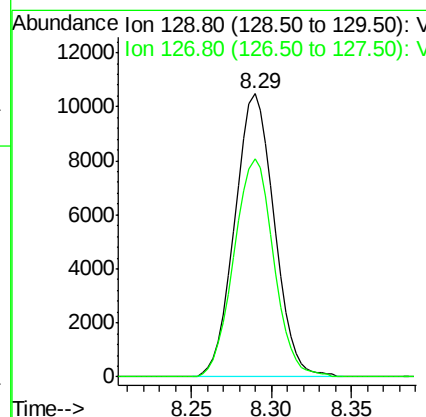
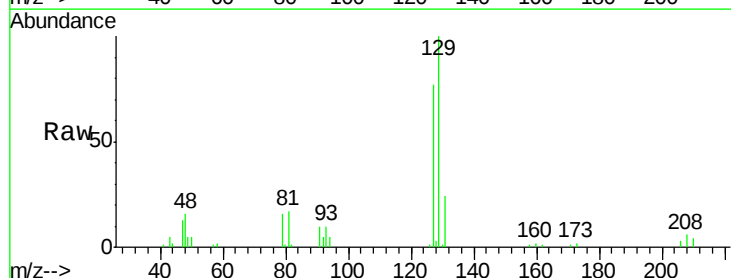
Manual Integrations
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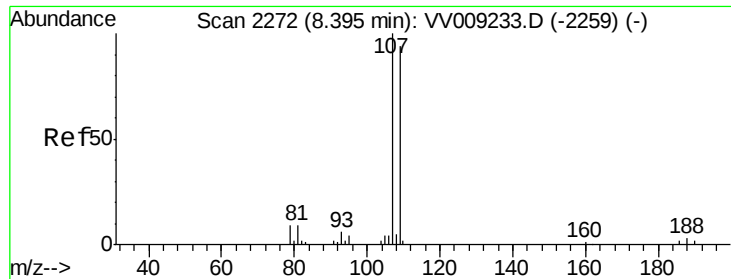
MMDadoda
1/24/2019 11:44:51 AM



#60
Dibromochloromethane
Concen: 20.173 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	129	Resp	17634
Ion Ratio	100	Lower	Upper
127	77.6	38.8	116.4





#61

1,2-Dibromoethane

Concen: 21.095 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion:107 Resp: 15401

Ion Ratio Lower Upper

107 100

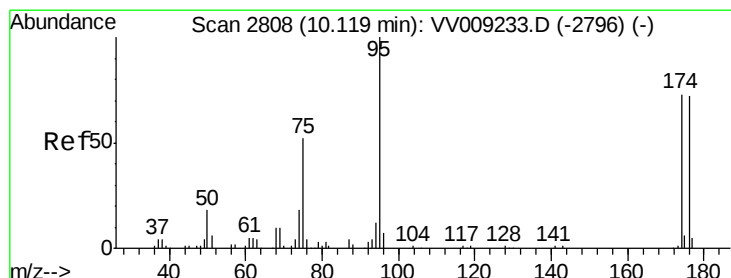
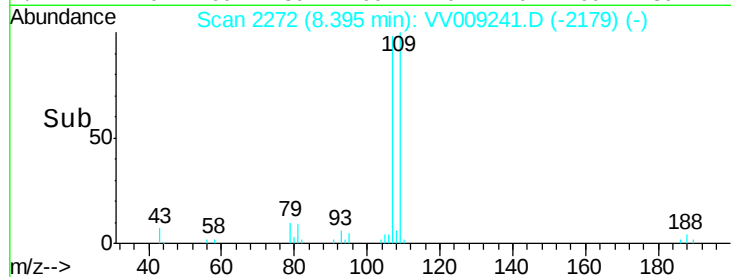
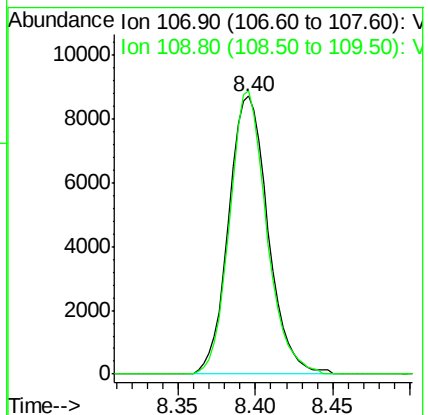
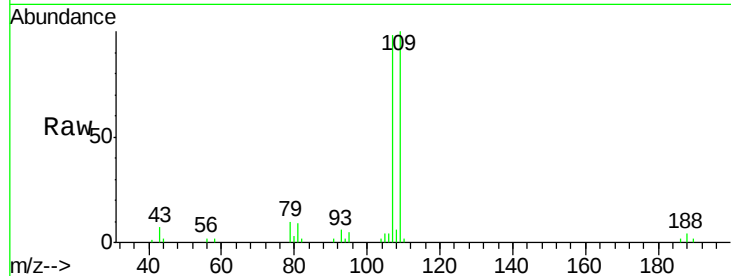
109 95.4 76.2 114.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.736 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

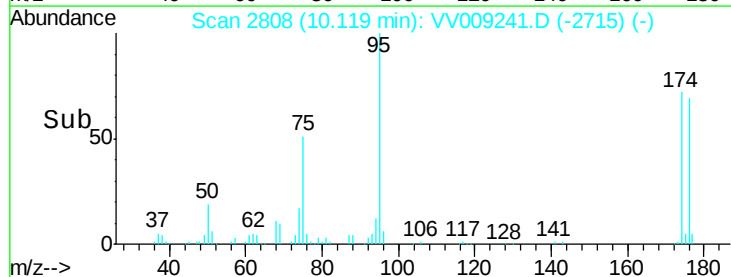
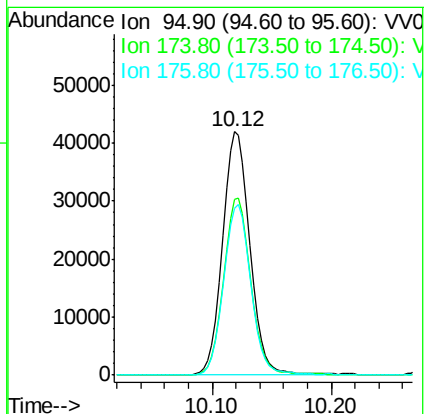
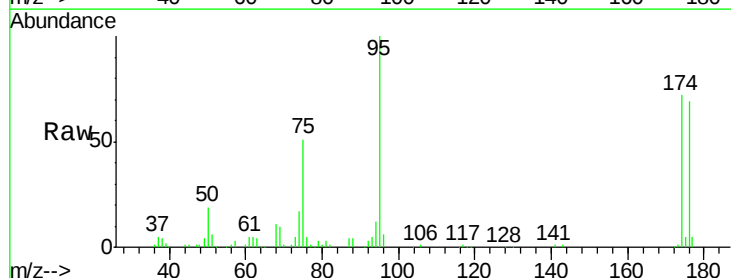
Tgt Ion: 95 Resp: 66939

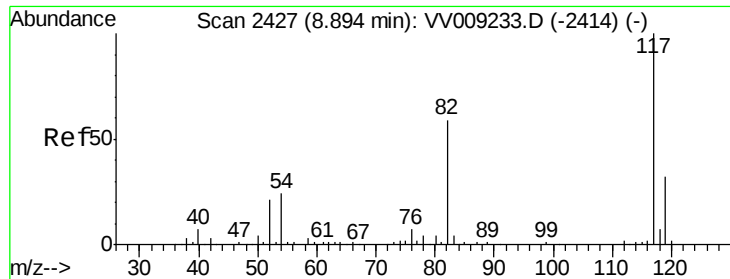
Ion Ratio Lower Upper

95 100

174 72.7 0.0 148.2

176 69.8 0.0 143.0





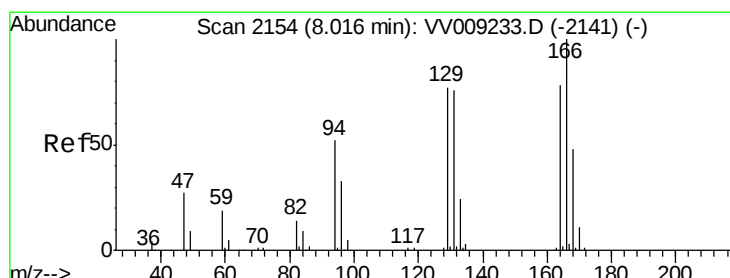
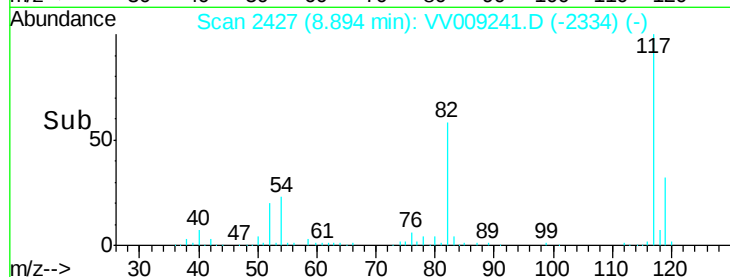
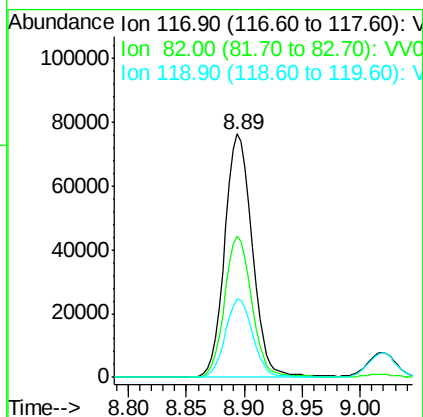
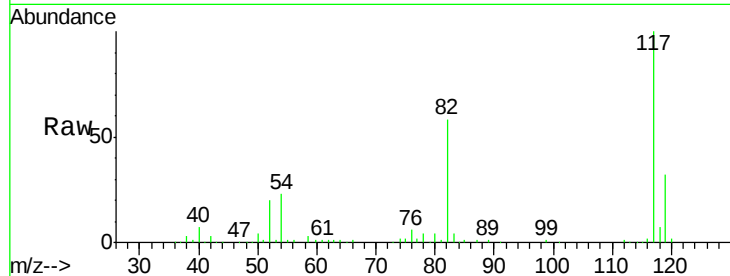
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.0	70.6
119	32.0	25.4	38.2

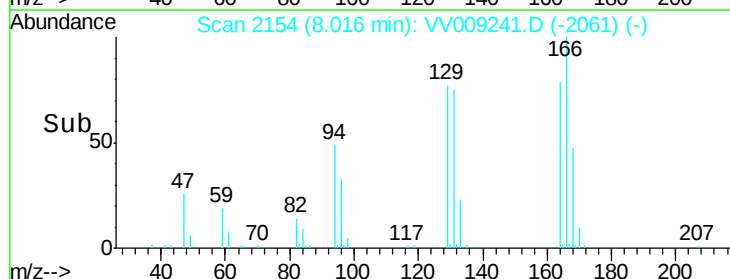
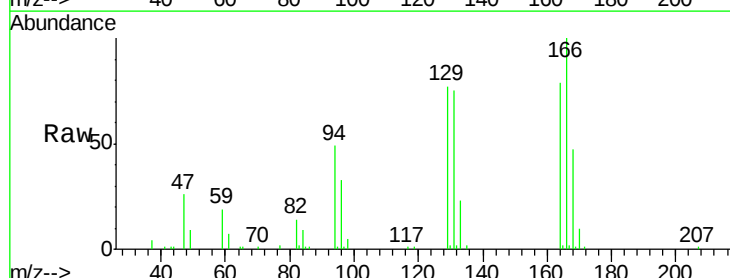
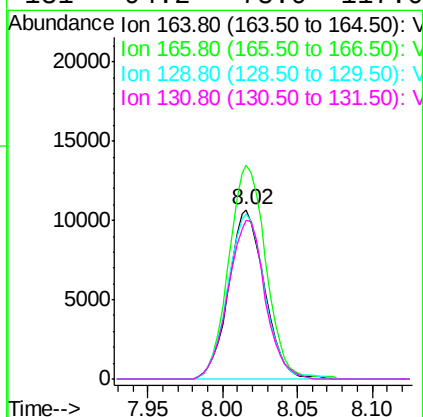
Manual Integrations
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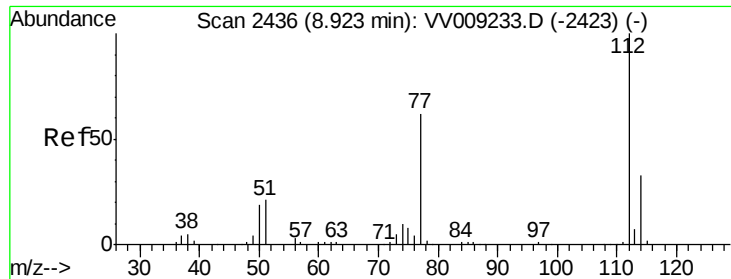
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#64
Tetrachloroethene
Concen: 19.855 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.1	153.1
129	97.4	78.1	117.1
131	94.2	78.0	117.0





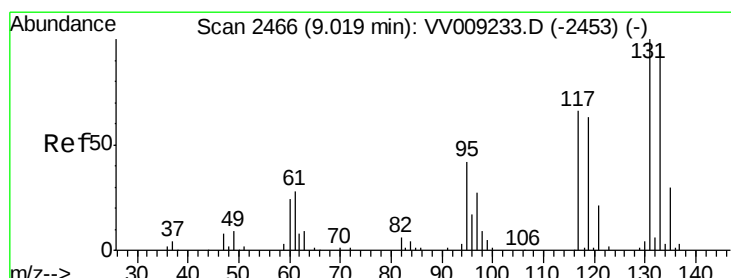
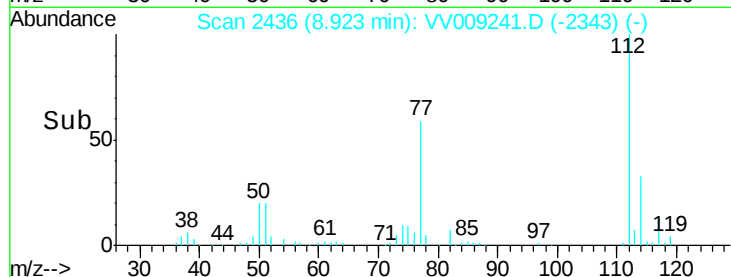
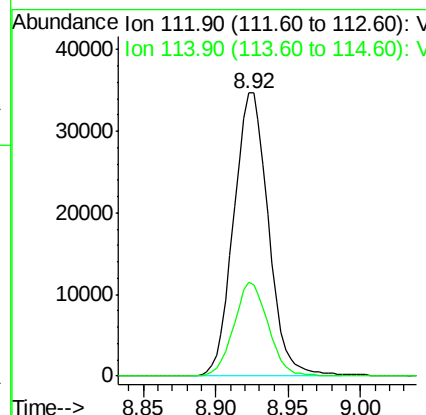
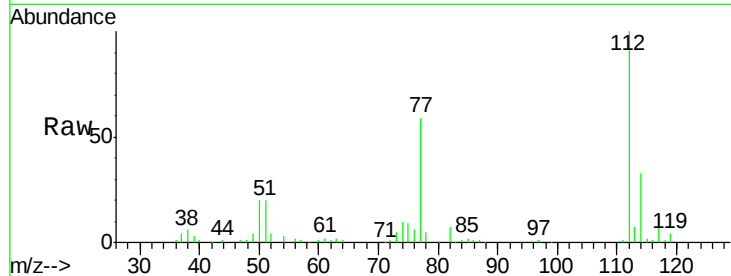
#65
Chlorobenzene
Concen: 19.679 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion:112 Resp: 57818
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0

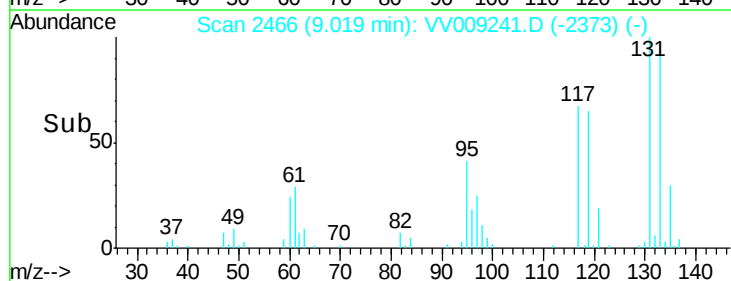
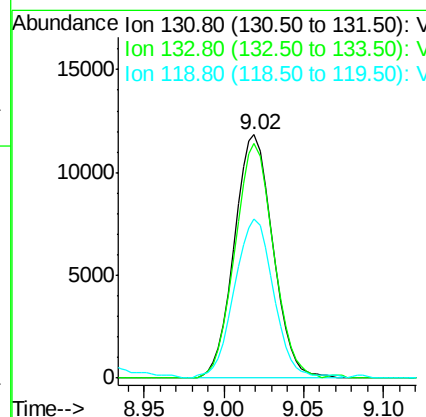
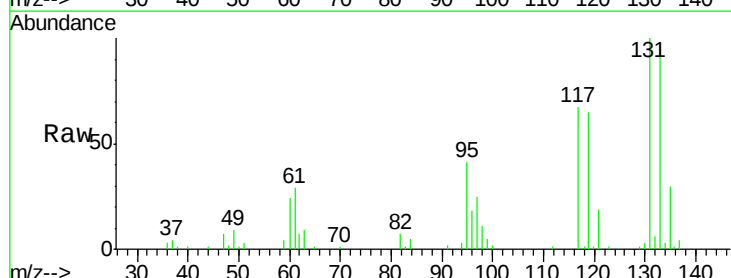
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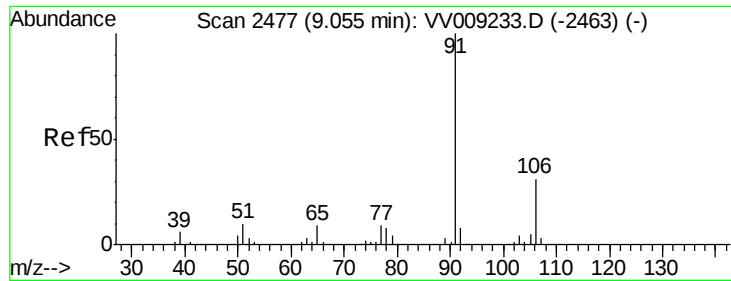
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.399 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:131 Resp: 19479
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.9
119 66.1 31.2 93.6





#67

Ethyl Benzene

Concen: 19.368 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleID :

VV0122SBS01

Tot Ion: 91 Resp: 101375

Ion Ratio Lower Upper

91 100

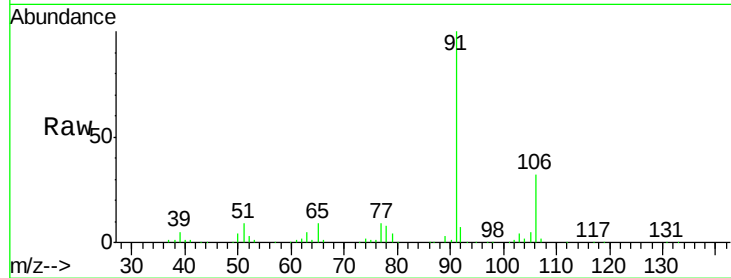
106 31.6 24.6 37.0

Manual Integrations

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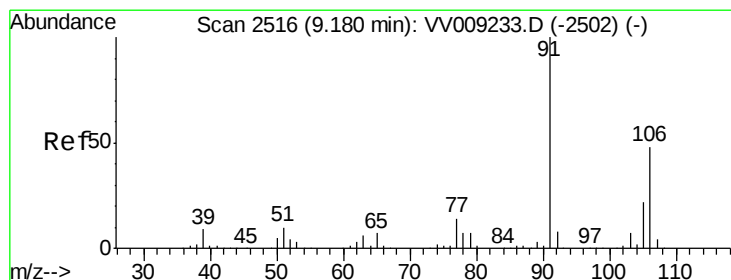
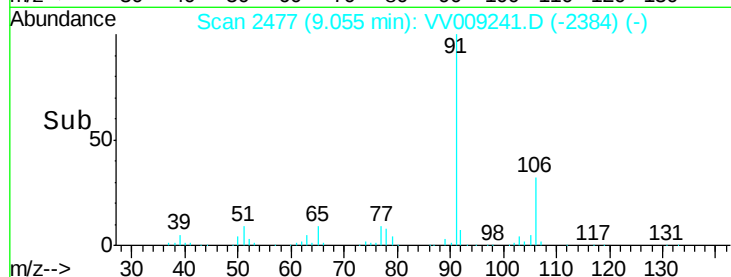
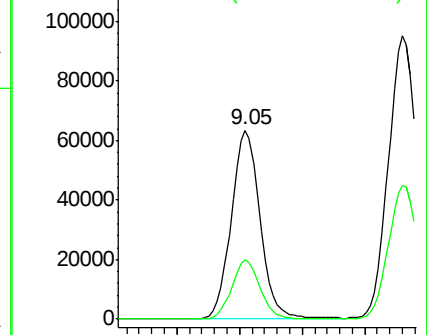
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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.791 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009241.D

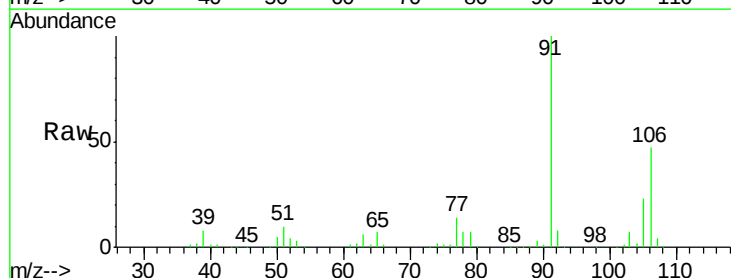
Acq: 22 Jan 2019 18:32

Tgt Ion: 106 Resp: 77083

Ion Ratio Lower Upper

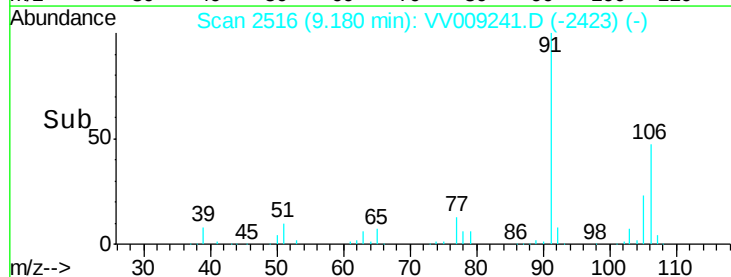
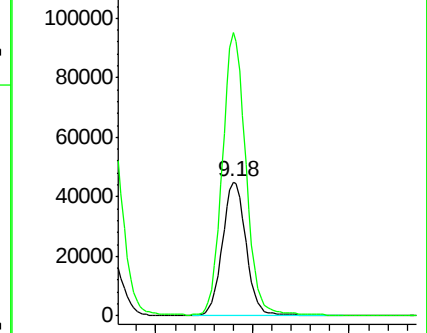
106 100

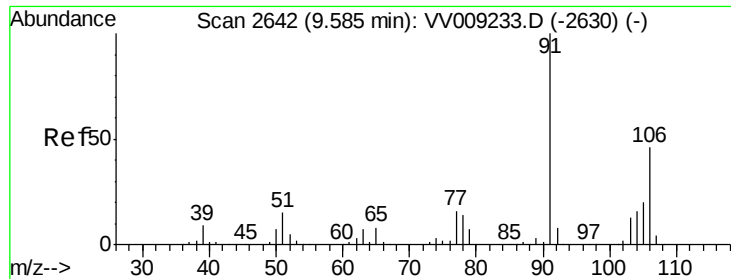
91 207.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





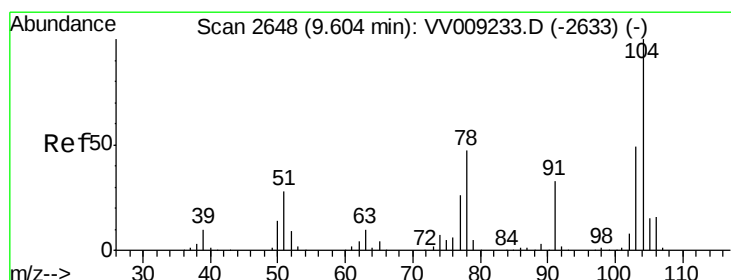
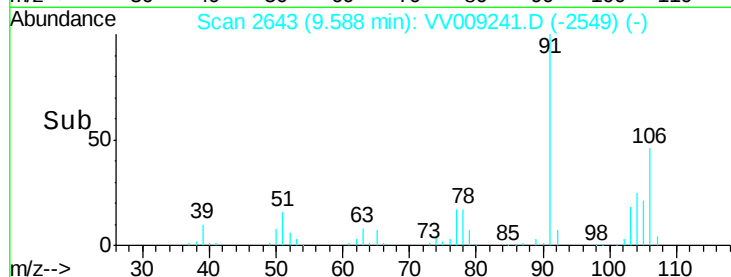
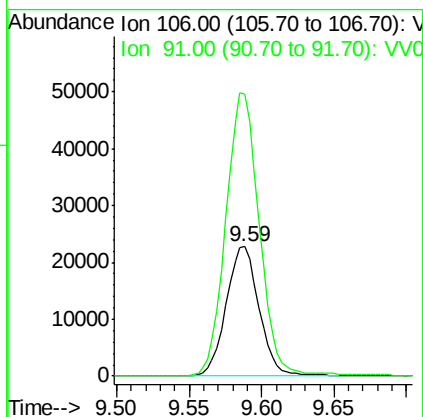
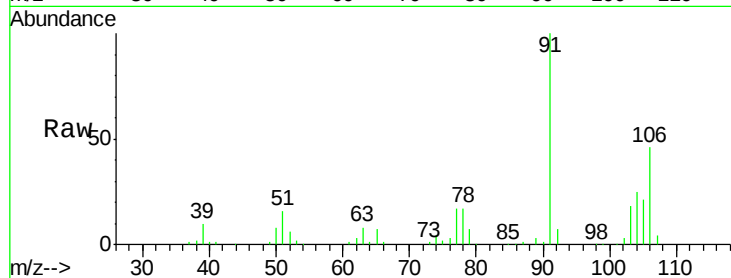
#69
o-Xylene
Concen: 19.446 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion:106 Resp: 35826
Ion Ratio Lower Upper
106 100
91 223.3 109.3 327.8

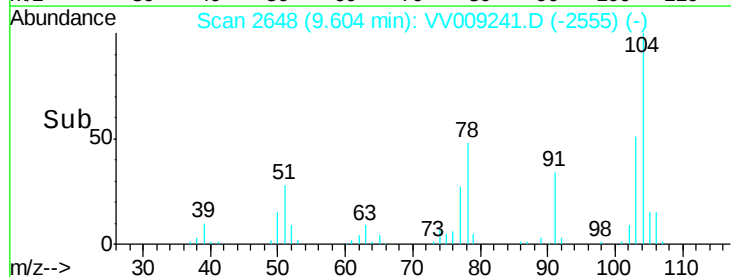
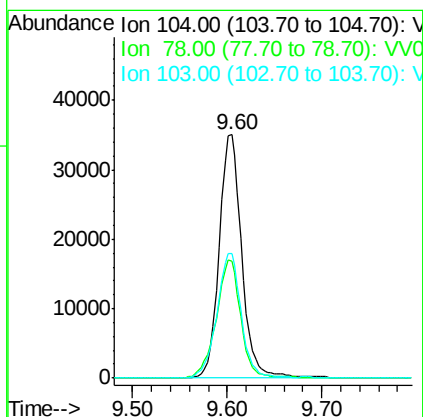
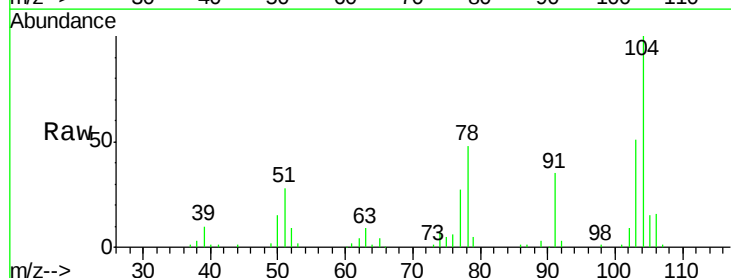
Manual Integrations
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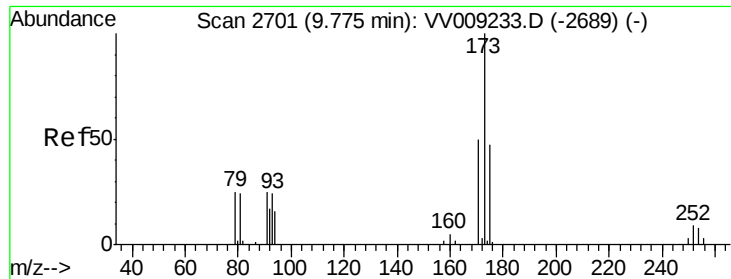
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#70
Styrene
Concen: 19.806 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion:104 Resp: 58234
Ion Ratio Lower Upper
104 100
78 52.6 43.1 64.7
103 55.1 43.8 65.8





#71

Bromoform

Concen: 20.599 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

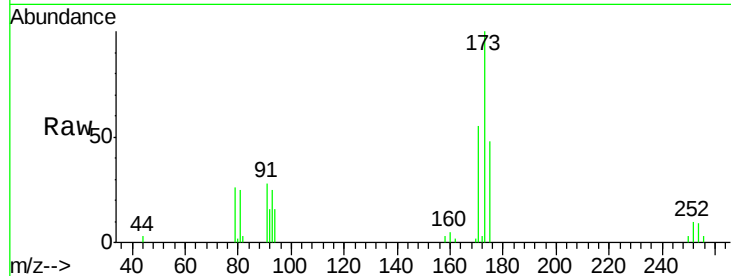
ClientSampleId :

VV0122SBS01

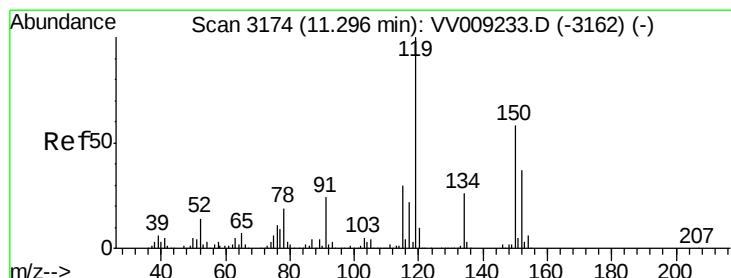
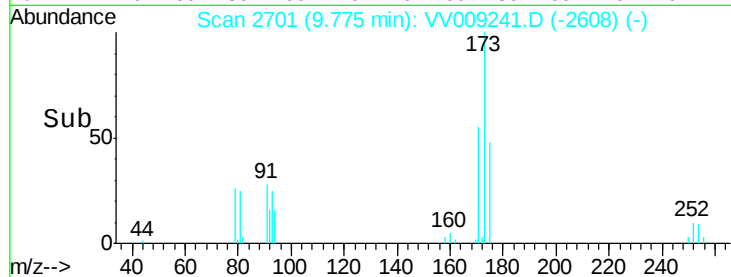
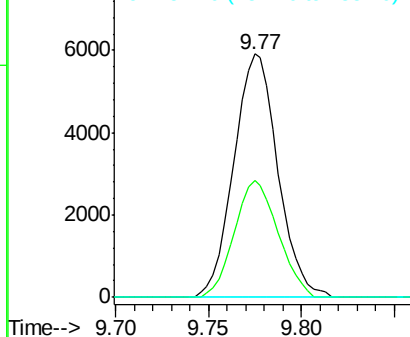
Tot Ion:	173	Resp:	9754
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.4	70.0
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

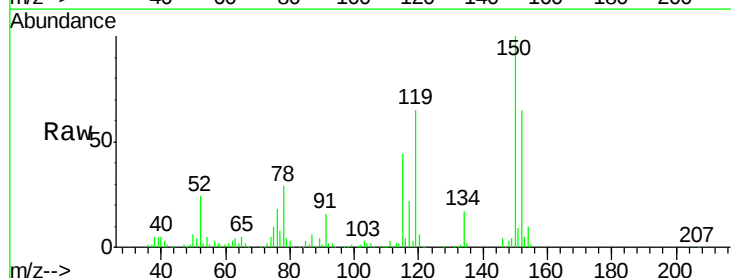
RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

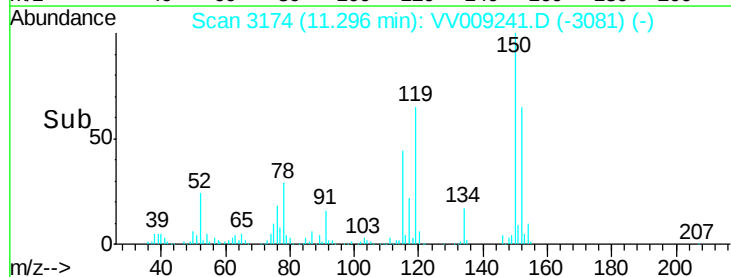
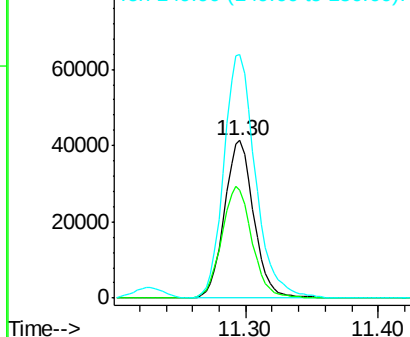
Lab File: VV009241.D

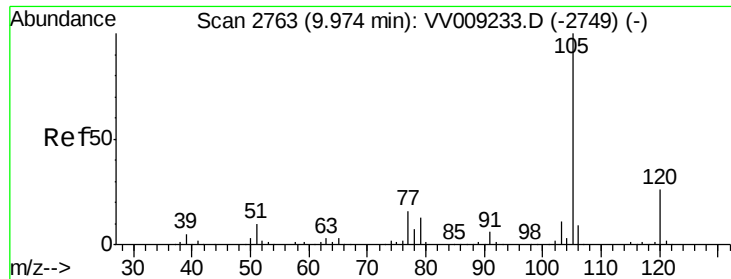
Acq: 22 Jan 2019 18:32

Tgt Ion:	152	Resp:	63716
Ion	Ratio	Lower	Upper
152	100		
115	73.2	45.0	134.8
150	166.2	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.248 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 105 Resp: 101273

Ion Ratio Lower Upper

105 100

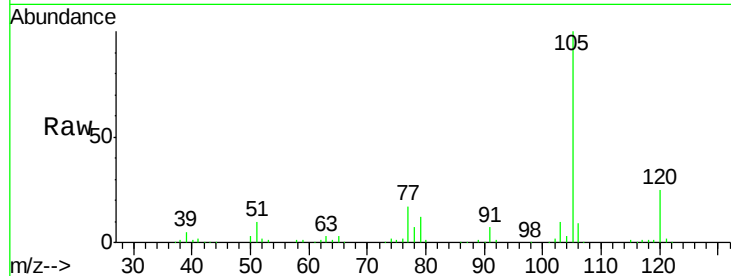
120 25.8 12.9 38.7

Manual Integrations

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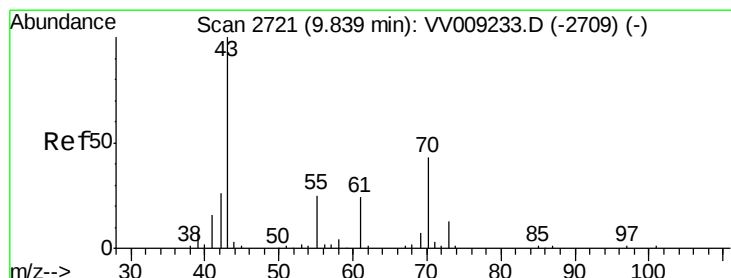
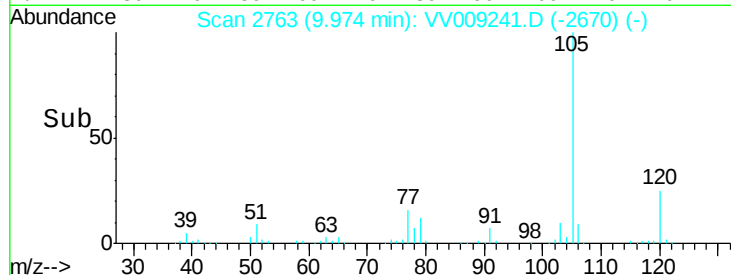
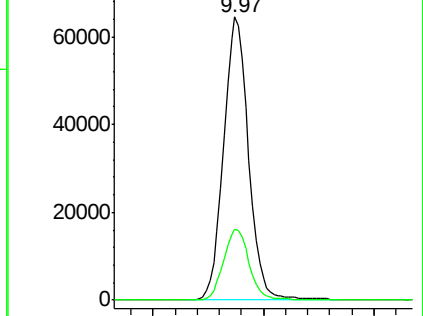
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.767 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion: 43 Resp: 21178

Ion Ratio Lower Upper

43 100

70 41.0 33.0 49.6

55 24.3 18.7 28.1

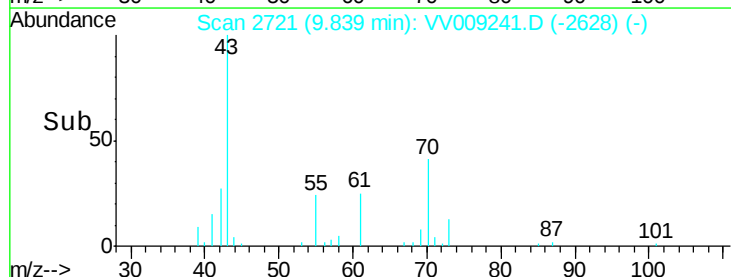
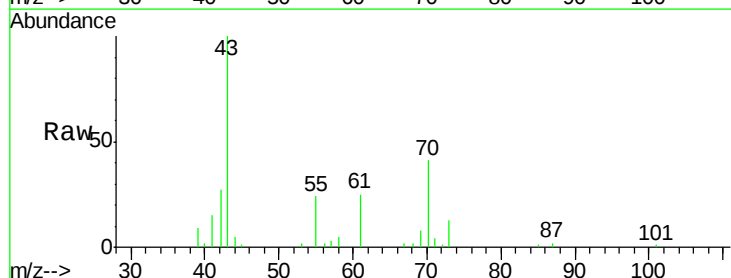
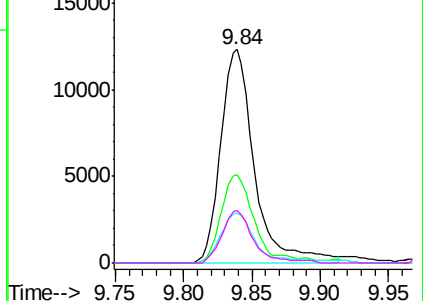
61 22.3 18.0 27.0

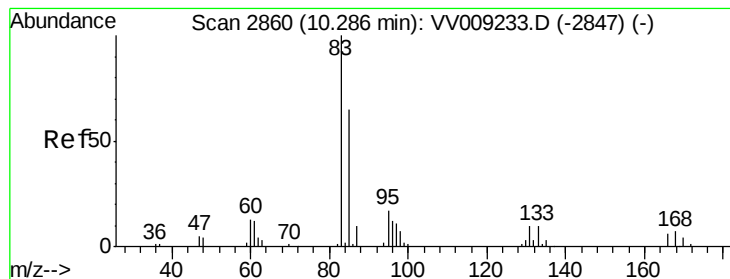
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.713 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

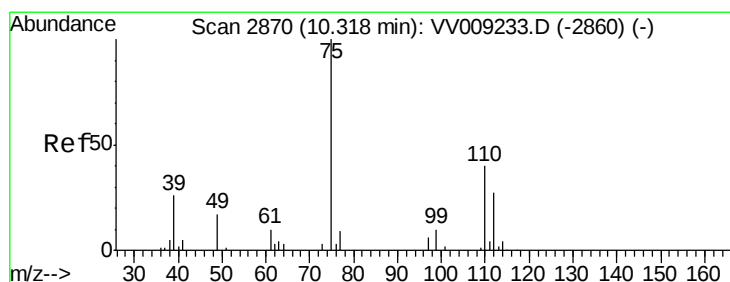
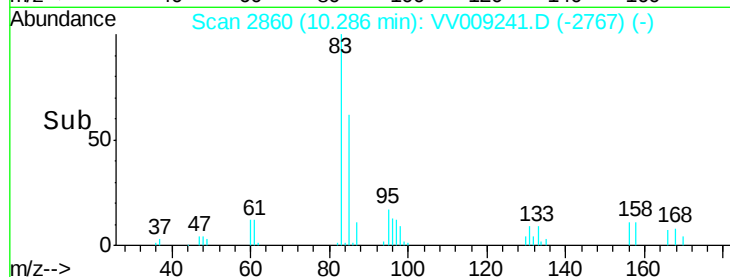
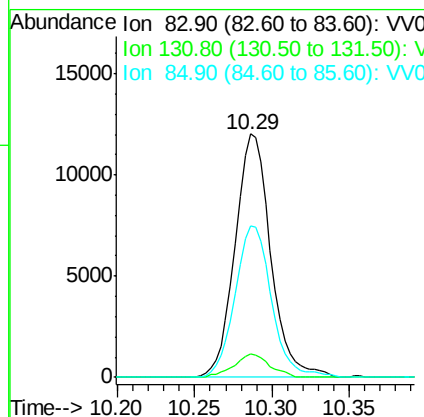
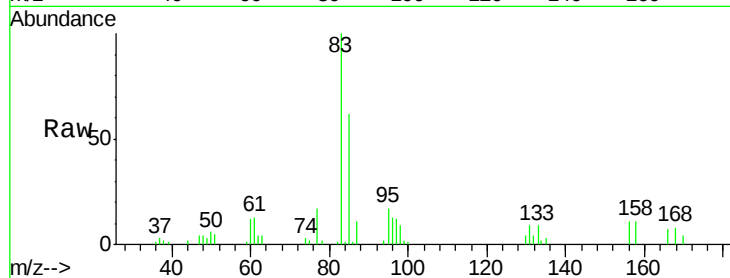
ClientSampleId :

VV0122SBS01

Tot Ion:	83	Resp:	19260
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.3
85	63.7	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 23.153 ug/l m

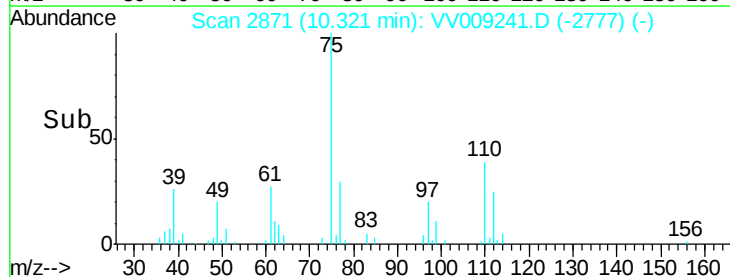
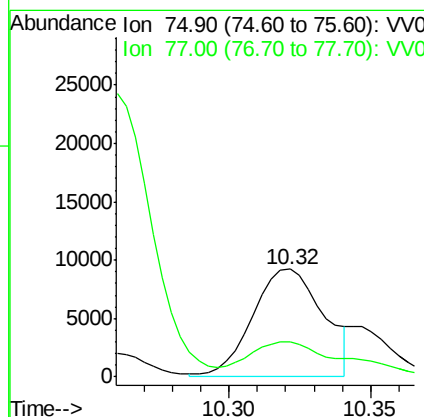
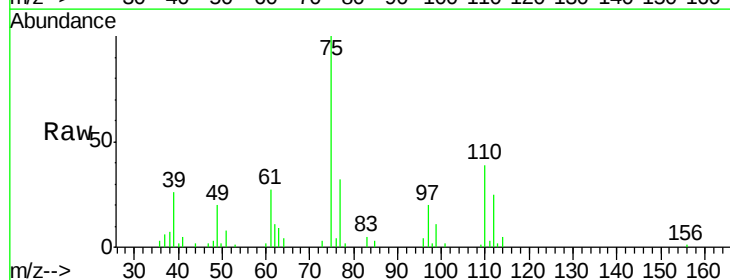
RT: 10.32 min Scan# 2871

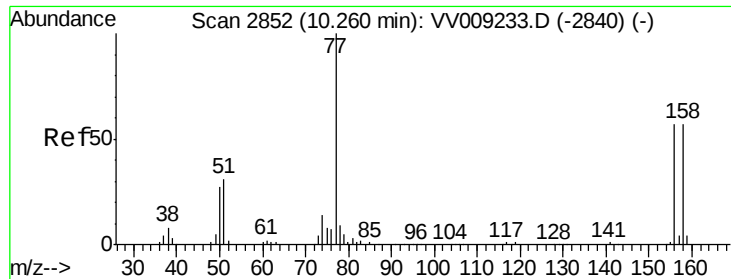
Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Tgt Ion:	75	Resp:	16151
Ion Ratio	Lower	Upper	
75	100		
77	44.5	24.6	73.8





#77

Bromobenzene

Concen: 20.173 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion:156 Resp: 22703

Ion Ratio Lower Upper

156 100

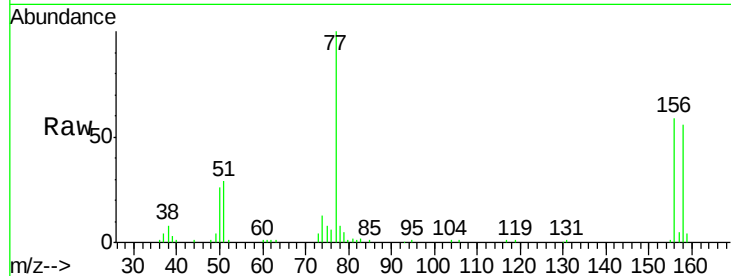
77 174.6 86.0 258.0

158 96.4 49.8 149.3

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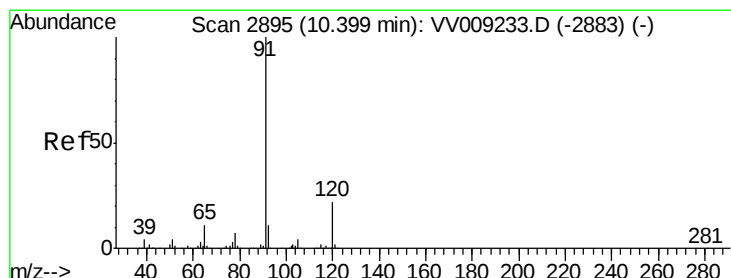
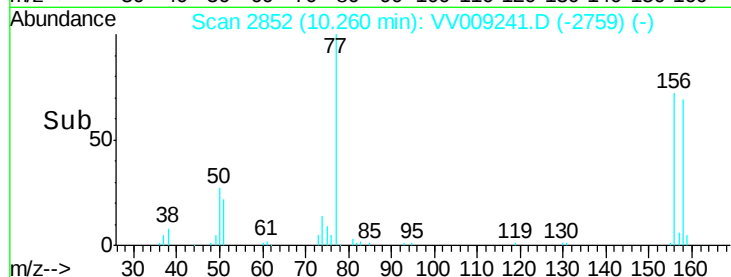
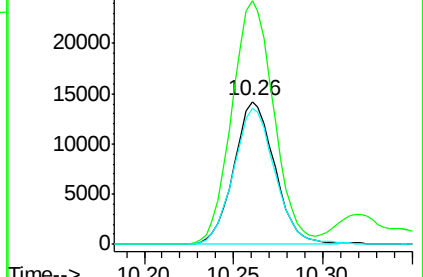
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.284 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009241.D

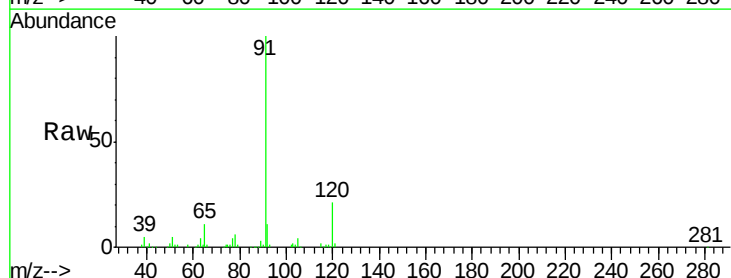
Acq: 22 Jan 2019 18:32

Tgt Ion: 91 Resp: 120280

Ion Ratio Lower Upper

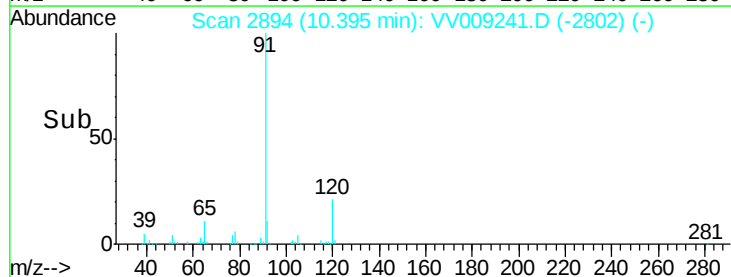
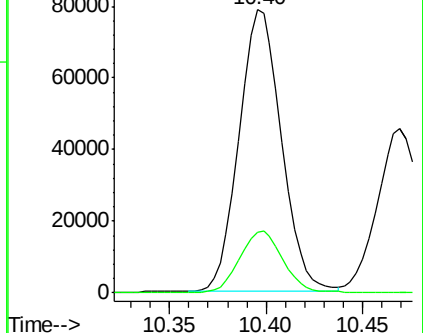
91 100

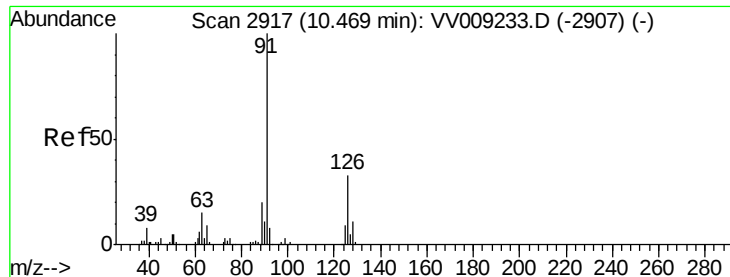
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.306 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBS01

Tot Ion: 91 Resp: 72657

Ion Ratio Lower Upper

91 100

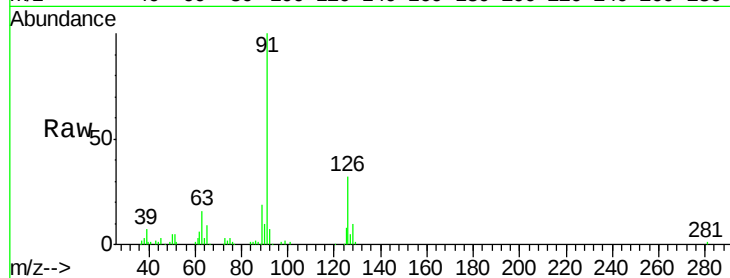
126 32.2 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VV009241.D (-2824) (-)

Ion 125.90 (125.60 to 126.60): VV009241.D (-2824) (-)

80000

60000

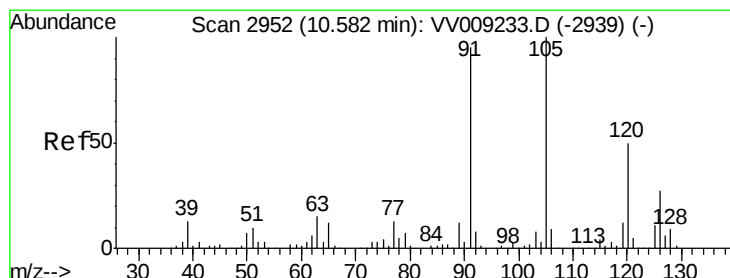
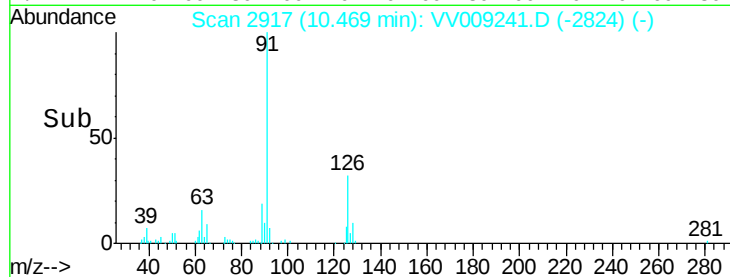
40000

20000

0

10.40 10.45 10.50 10.55

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.418 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009241.D

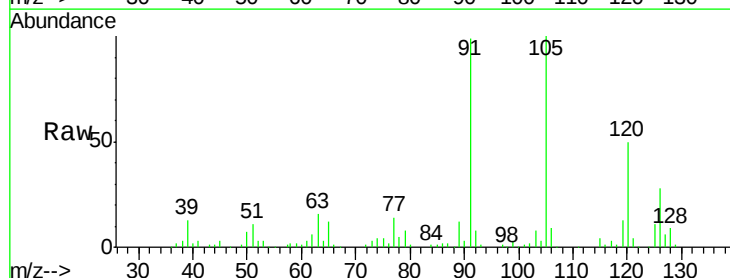
Acq: 22 Jan 2019 18:32

Tgt Ion: 105 Resp: 85682

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VV009241.D (-2859) (-)

Ion 120.00 (119.70 to 120.70): VV009241.D (-2859) (-)

60000

50000

40000

30000

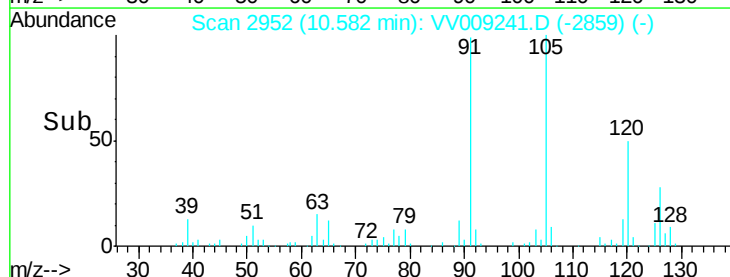
20000

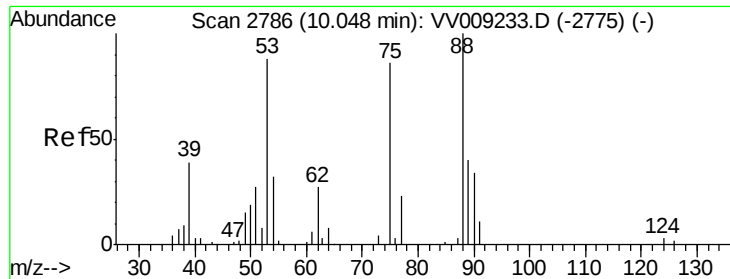
10000

0

10.50 10.60 10.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.048 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009241.D

Acq: 22 Jan 2019 18:32

Instrument :

MSVOA_V

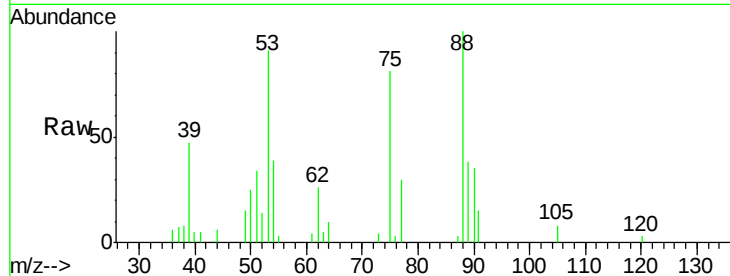
ClientSampleId :

VV0122SBS01

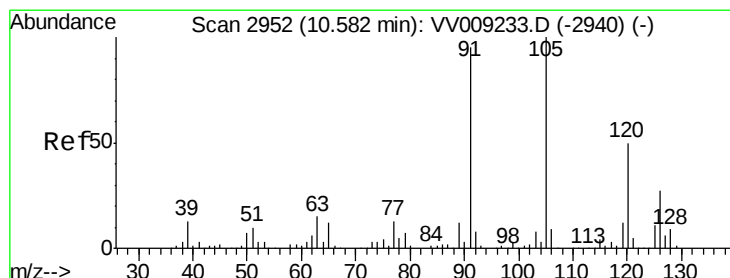
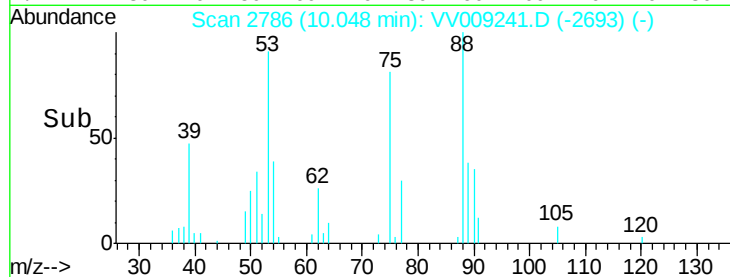
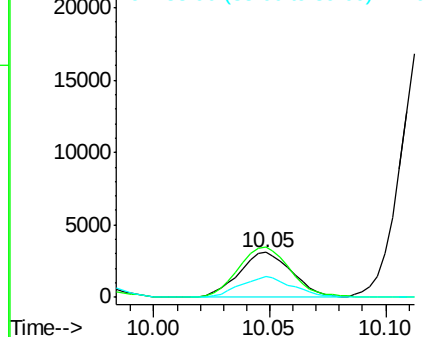
Tot Ion:	75	Resp:	4942
Ion	Ratio	Lower	Upper
75	100		
53	110.1	82.1	123.1
89	45.4	36.2	54.4

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Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 53.00 (52.70 to 53.70): VV0
Ion 88.90 (88.60 to 89.60): VV0



#82

4-Chlorotoluene

Concen: 19.126 ug/l

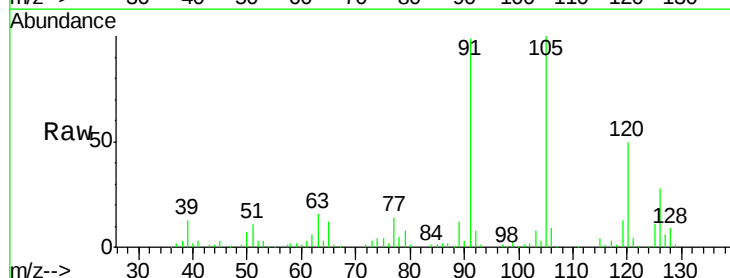
RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

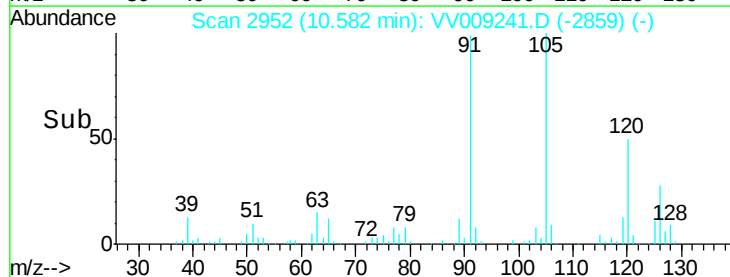
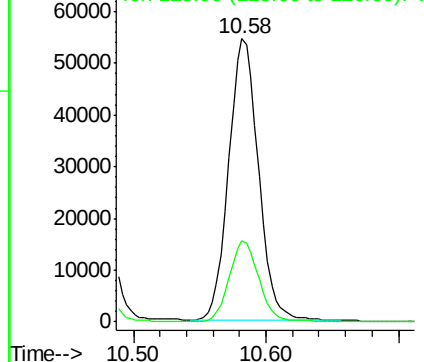
Lab File: VV009241.D

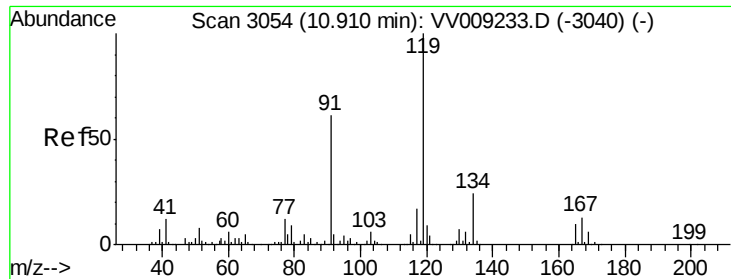
Acq: 22 Jan 2019 18:32

Tgt Ion:	91	Resp:	84783
Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.3	42.9



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 125.90 (125.60 to 126.60): V





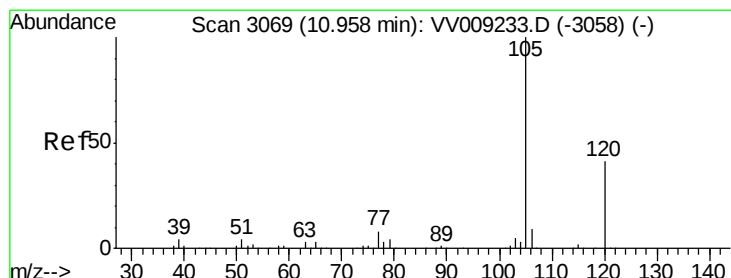
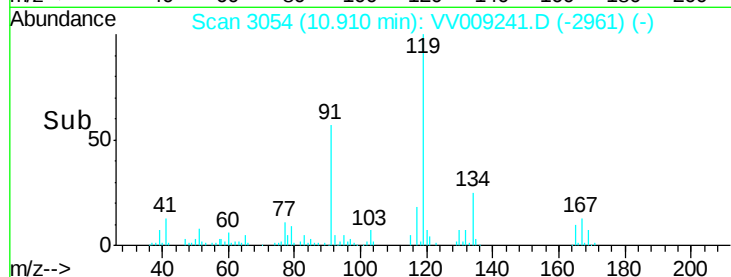
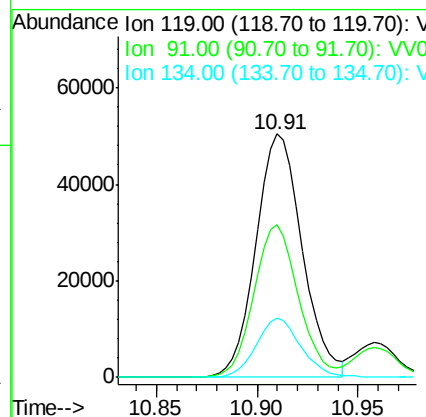
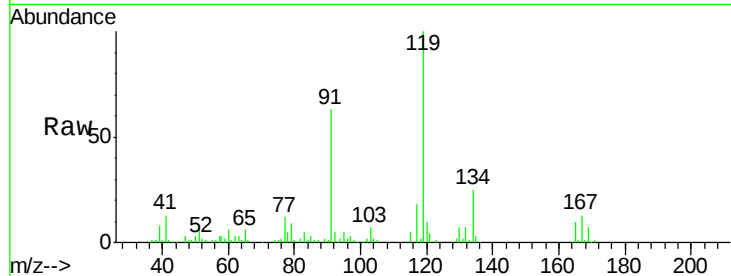
#83
tert-Butylbenzene
Concen: 19.319 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	81173		
91	60.1	30.0	90.1	
134	23.6	11.9	35.7	

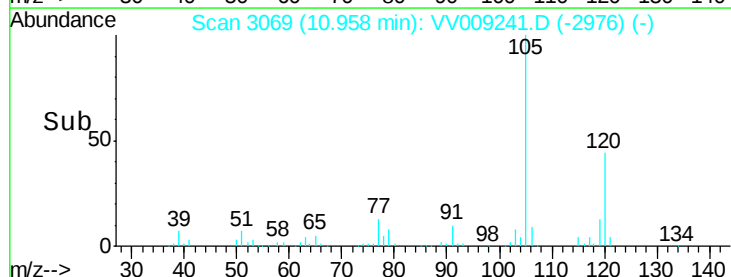
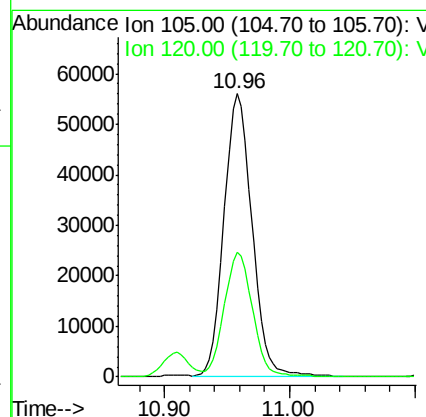
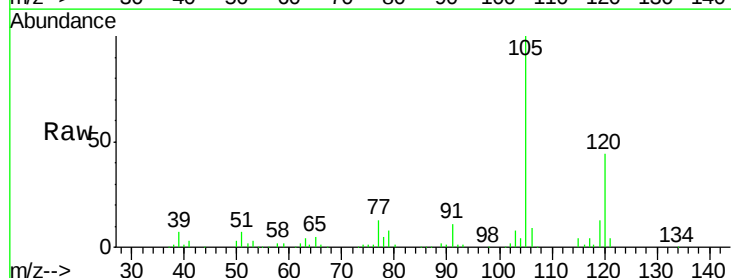
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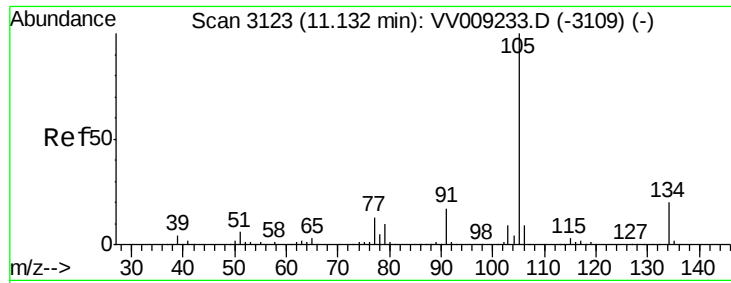
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#84
1,2,4-Trimethylbenzene
Concen: 19.617 ug/l
RT: 10.96 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	87320		
120	44.6	22.6	67.7	





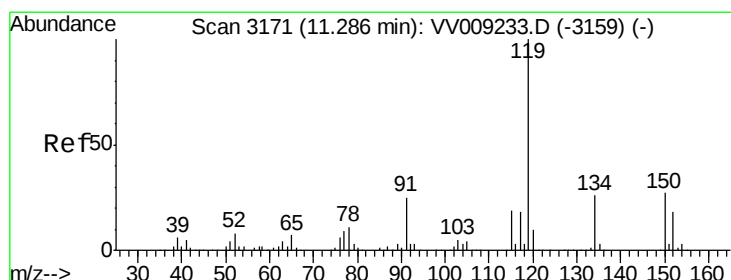
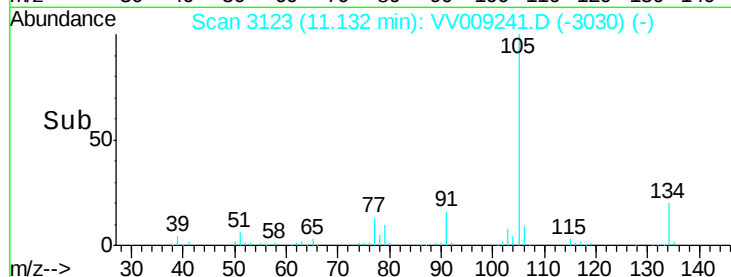
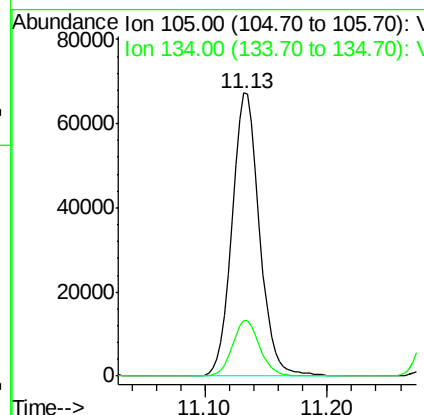
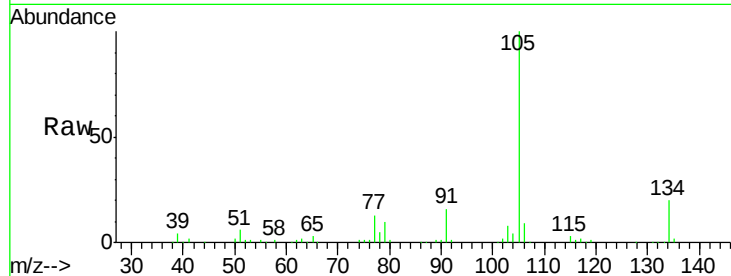
#85
 sec-Butylbenzene
 Concen: 19.291 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleID :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.1	30.3

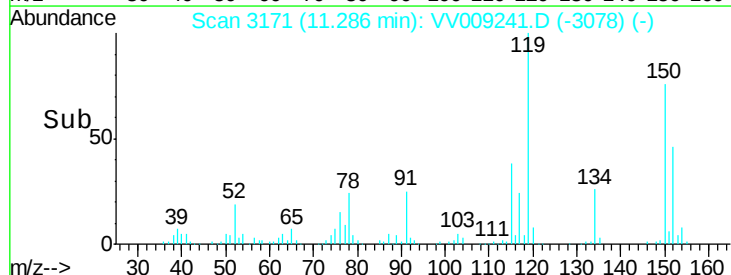
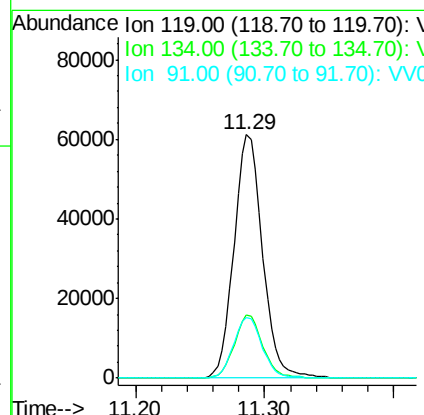
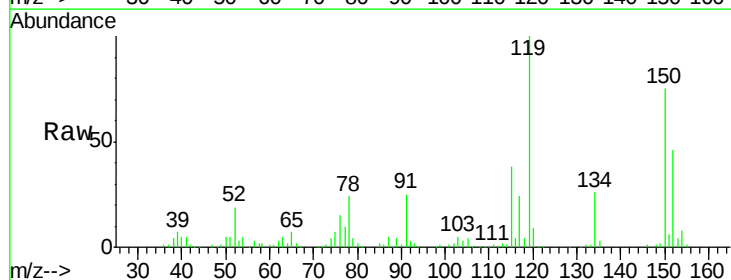
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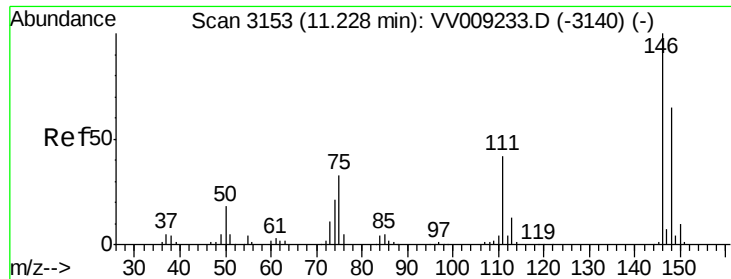
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#86
 p-Isopropyltoluene
 Concen: 19.527 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	25.0	12.4	37.2





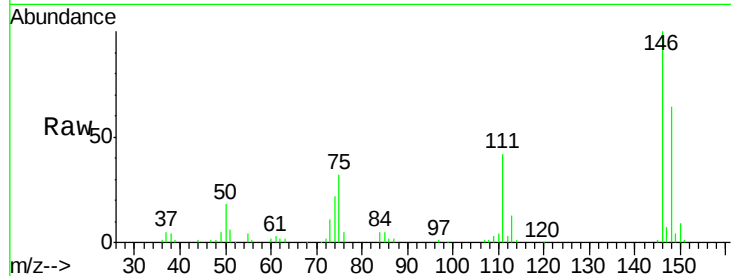
#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

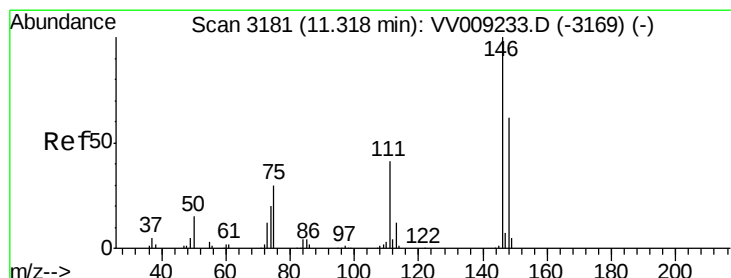
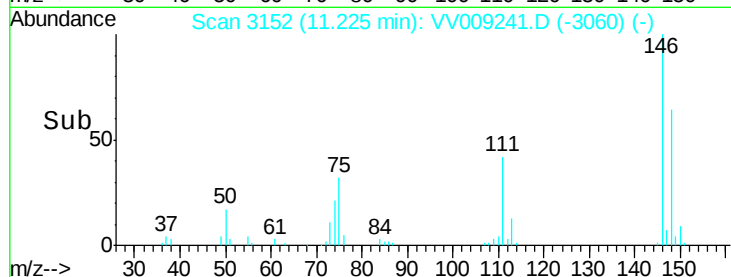
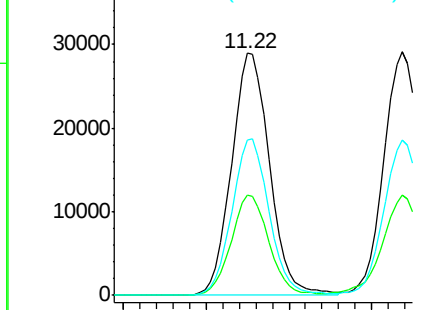
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.4
148	63.2	32.1	96.3

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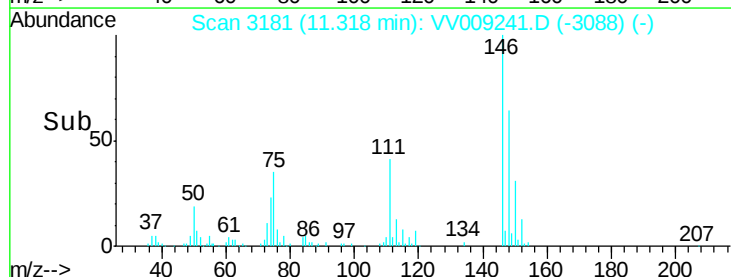
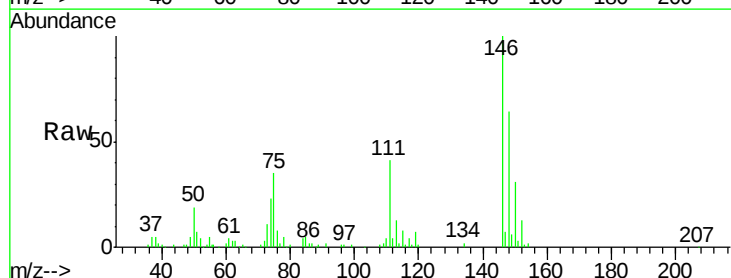
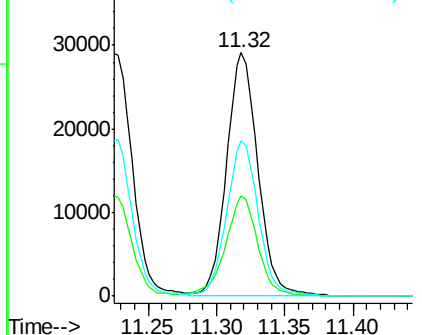
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

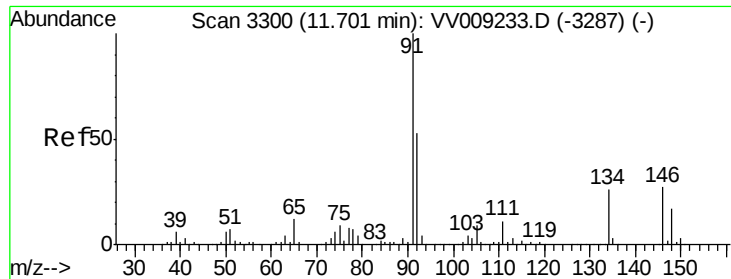


#88
 1,4-Dichlorobenzene
 Concen: 19.745 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.5	61.5
148	64.5	31.4	94.3

Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





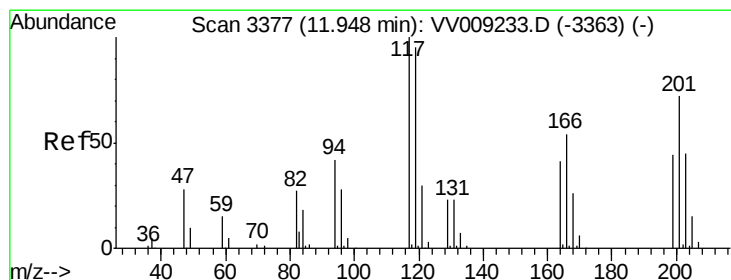
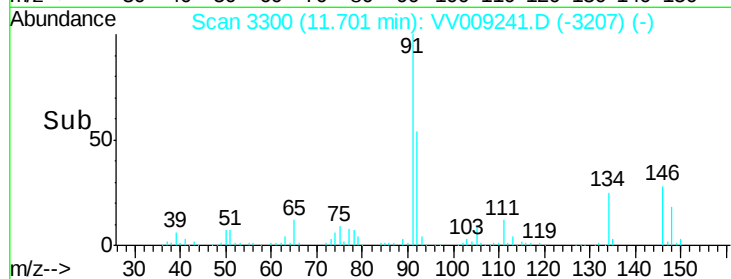
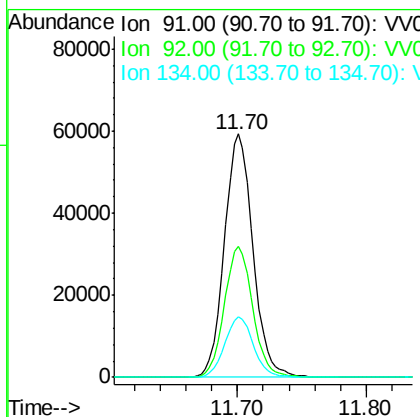
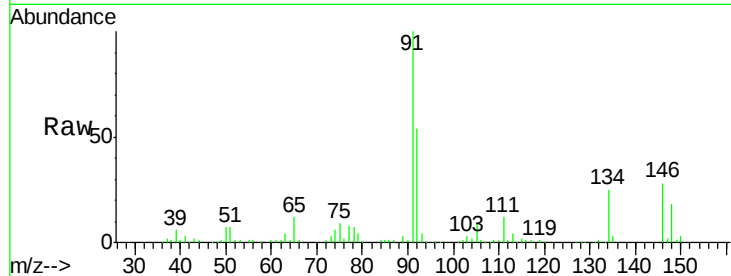
#89
n-Butylbenzene
Concen: 19.388 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.2	81.5
134	25.1	12.6	37.8

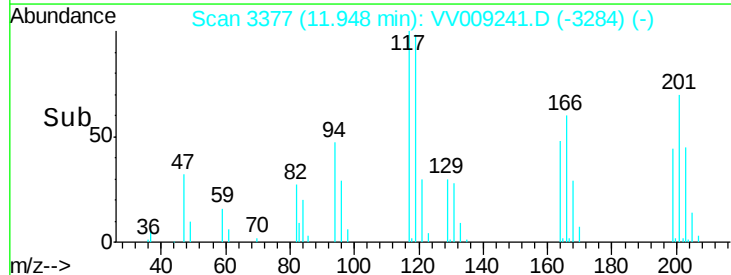
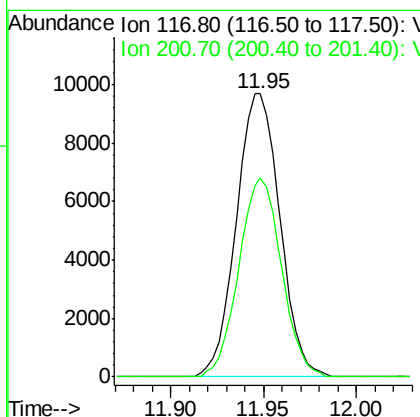
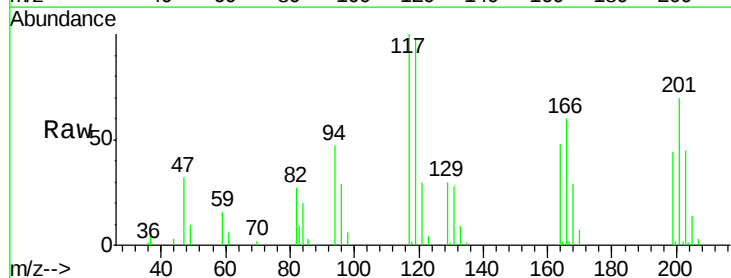
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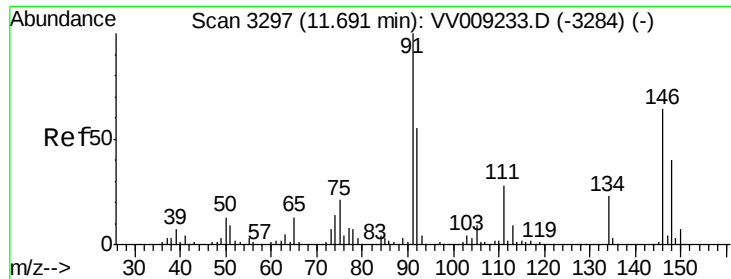
MMDadoda
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#90
Hexachloroethane
Concen: 18.519 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.2	105.6





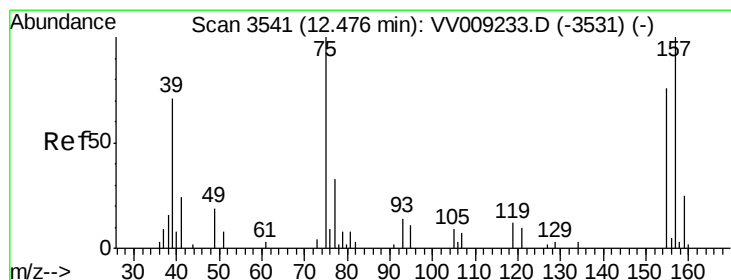
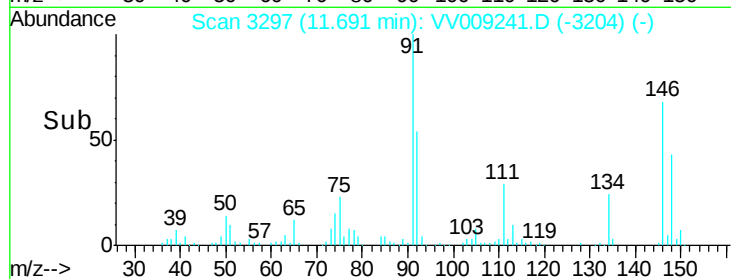
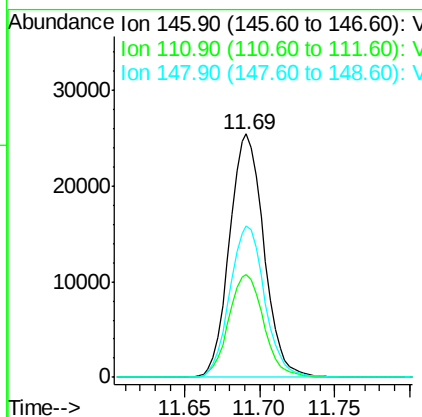
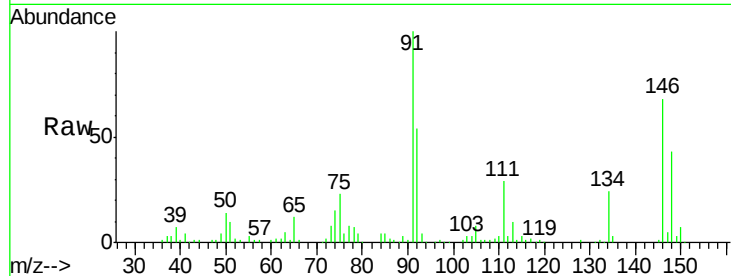
#91
 1,2-Dichlorobenzene
 Concen: 19.806 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.8
148	63.0	31.6	95.0

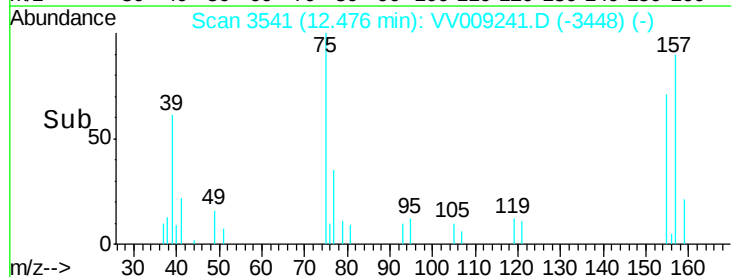
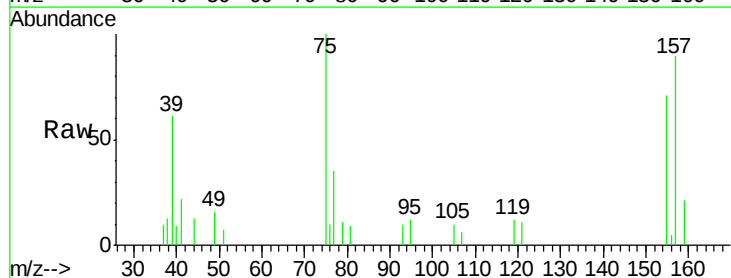
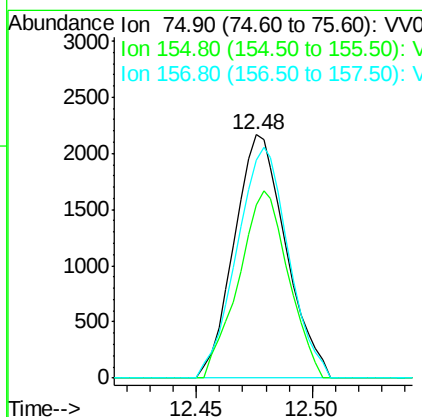
Manual Integrations
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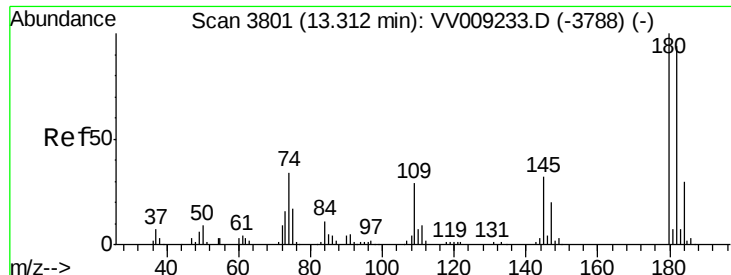
MMDadoda
 1/24/2019 11:44:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.489 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	38.0	114.0
157	94.7	50.8	152.4





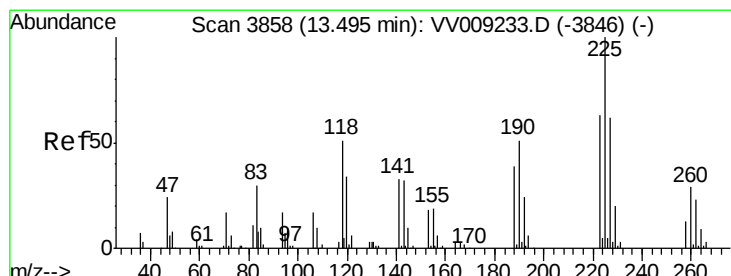
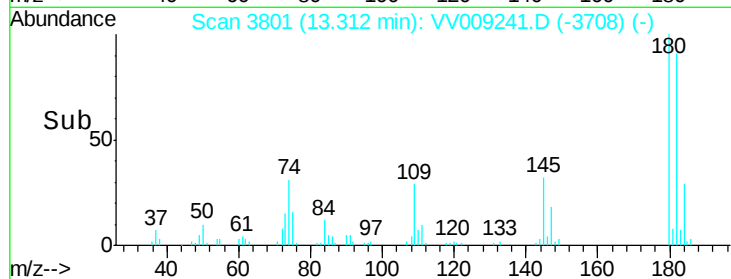
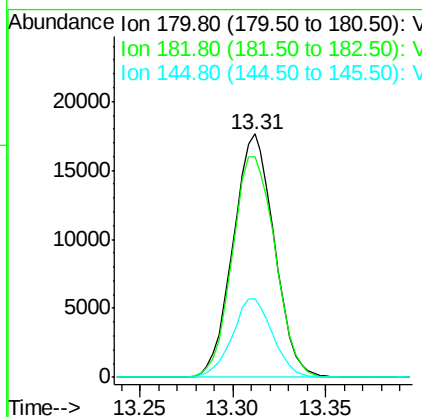
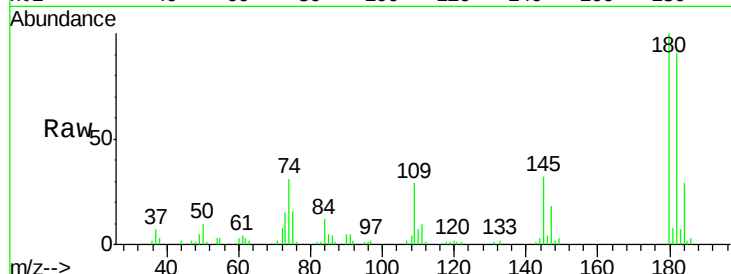
#93
 1,2,4-Trichlorobenzene
 Concen: 20.502 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.4
145	31.7	16.0	48.0

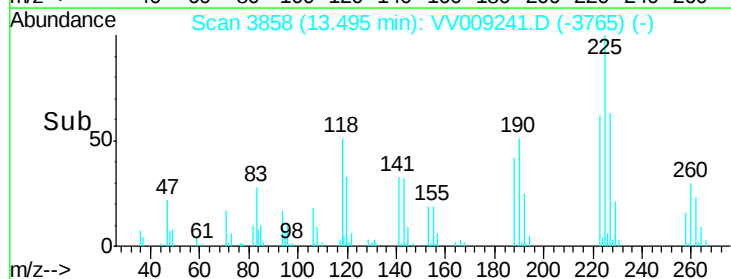
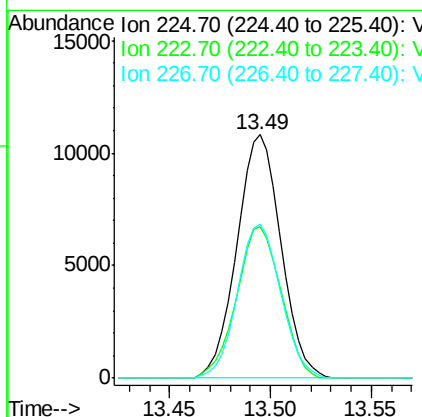
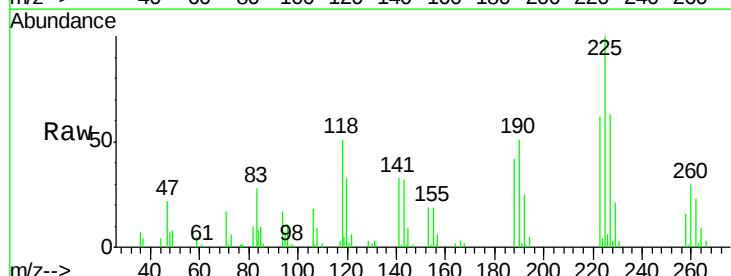
Manual Integrations
 APPROVED

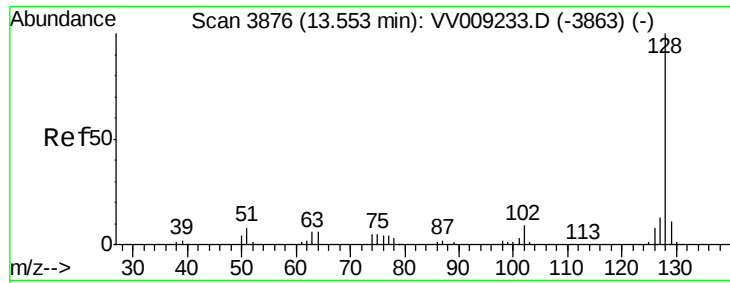
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 1/24/2019 11:44:51 AM



#94
 Hexachlorobutadiene
 Concen: 20.142 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009241.D
 Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.7	95.1
227	62.4	31.6	95.0





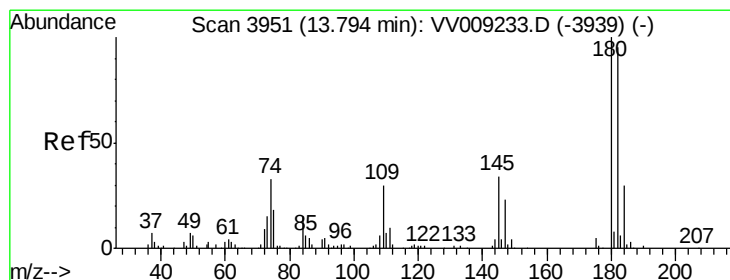
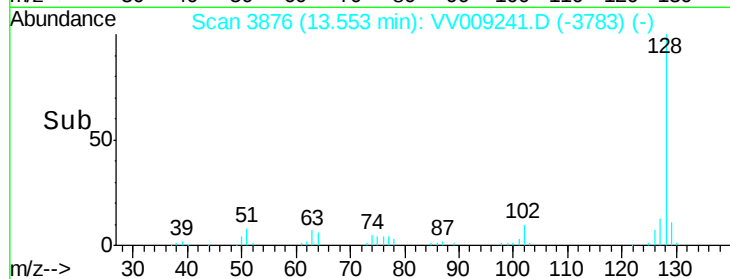
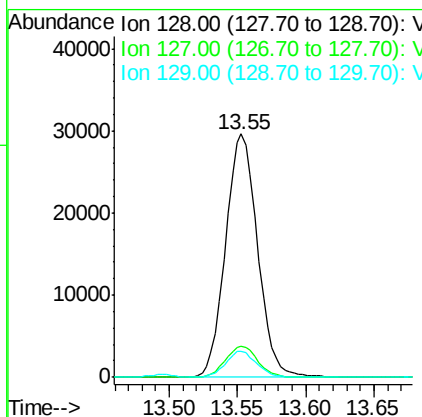
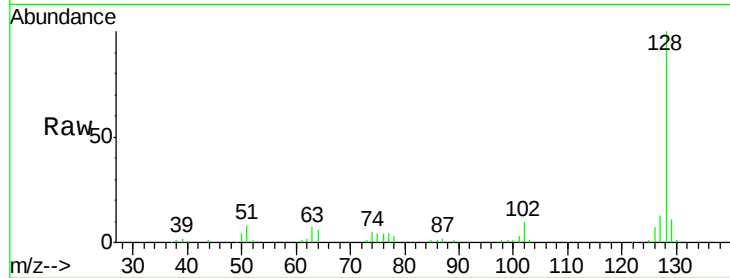
#95
Naphthalene
Concen: 20.998 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.4	8.8	13.2

Manual Integrations
APPROVED

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1/24/2019 11:44:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.580 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009241.D
Acq: 22 Jan 2019 18:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	33.9	17.2	51.5

