

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009264.D
 Acq On : 24 Jan 2019 17:58
 Operator : SY/MD
 Sample : VV0124SBS01
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:53 AM

Quant Time: Jan 24 23:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	75277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	125888	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	116544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	61355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	48481	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	4.64	113	43220	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	7.36	98	166983	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	10.12	95	63802	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	11398	18.116	ug/l	98
3) Chloromethane	1.25	50	15106	17.663	ug/l	98
4) Vinyl Chloride	1.33	62	17297	19.965	ug/l	97
5) Bromomethane	1.53	94	9278	18.927	ug/l	97
6) Chloroethane	1.59	64	8450	18.596	ug/l	94
7) Trichlorofluoromethane	1.75	101	7451	18.205	ug/l	93
8) Diethyl Ether	1.96	74	9039	22.181	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.14	101	15642	21.467	ug/l	96
10) Methyl Iodide	2.26	142	24637	20.524	ug/l	98
11) Tert butyl alcohol	2.66	59	12418	160.803	ug/l #	94
12) 1,1-Dichloroethene	2.14	96	15703	20.740	ug/l	97
13) Acrolein	2.05	56	5428	123.912	ug/l	97
14) Allyl chloride	2.42	41	23468	20.751	ug/l	97
15) Acrylonitrile	2.76	53	23137	121.232	ug/l	99
16) Acetone	2.18	43	24663	98.247	ug/l	99
17) Carbon Disulfide	2.32	76	43762	20.588	ug/l	99
18) Methyl Acetate	2.45	43	15444	24.571	ug/l	99
19) Methyl tert-butyl Ether	2.80	73	26925	22.718	ug/l	98
20) Methylene Chloride	2.53	84	19289	22.654	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	16584	21.152	ug/l	97
22) Diisopropyl ether	3.33	45	57797	21.383	ug/l	90
23) Vinyl Acetate	3.30	43	183231	109.958	ug/l	100
24) 1,1-Dichloroethane	3.22	63	34681	20.775	ug/l	99
25) 2-Butanone	4.02	43	36341	110.462	ug/l	95
26) 2,2-Dichloropropane	3.95	77	16818	19.866	ug/l	97
27) cis-1,2-Dichloroethene	3.95	96	20906	21.028	ug/l	98
28) Bromochloromethane	4.29	49	14507	21.662	ug/l	98
29) Tetrahydrofuran	4.39	42	23448	125.050	ug/l	98
30) Chloroform	4.42	83	34695	20.684	ug/l	93
31) Cyclohexane	4.72	56	30475	19.802	ug/l	95
32) 1,1,1-Trichloroethane	4.65	97	27588	21.154	ug/l	100
36) 1,1-Dichloropropene	4.87	75	26340	20.897	ug/l	98
37) Ethyl Acetate	4.13	43	15249	21.846	ug/l	97
38) Carbon Tetrachloride	4.87	117	25673	20.596	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	31828	20.147	ug/l	96
40) Benzene	5.14	78	77414	20.846	ug/l	99
41) Methacrylonitrile	4.31	41	8449	23.007	ug/l	97
42) 1,2-Dichloroethane	5.18	62	25403	21.999	ug/l	98
43) Isopropyl Acetate	5.33	43	28389	23.249	ug/l	99
44) Trichloroethene	5.96	130	20659	20.845	ug/l	96
45) 1,2-Dichloropropane	6.22	63	18698	20.453	ug/l	98
46) Dibromomethane	6.35	93	11350	22.161	ug/l	99
47) Bromodichloromethane	6.55	83	24801	20.587	ug/l	97
48) Methyl methacrylate	6.42	41	13675	22.576	ug/l	97
49) 1,4-Dioxane	6.41	88	3764	468.365	ug/l	90
51) 4-Methyl-2-Pentanone	7.27	43	71695	111.565	ug/l	97
52) Toluene	7.43	92	49556	21.132	ug/l	96
53) t-1,3-Dichloropropene	7.69	75	25617	21.027	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	28553	20.659	ug/l	97
55) 1,1,2-Trichloroethane	7.88	97	15696	21.979	ug/l	96
56) Ethyl methacrylate	7.83	69	18825	21.818	ug/l	95
57) 1,3-Dichloropropane	8.05	76	28526	22.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1633	71.527	ug/l	97
59) 2-Hexanone	8.19	43	51916	112.377	ug/l	97
60) Dibromochloromethane	8.29	129	17247	21.128	ug/l	96
61) 1,2-Dibromoethane	8.40	107	16253	22.651	ug/l	98
64) Tetrachloroethene	8.02	164	17781	22.127	ug/l	98
65) Chlorobenzene	8.93	112	53703	20.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	18241	20.785	ug/l	99
67) Ethyl Benzene	9.05	91	90348	20.261	ug/l	98
68) m/p-Xylenes	9.18	106	71430	41.759	ug/l	97
69) o-Xylene	9.59	106	32175	20.128	ug/l	98
70) Styrene	9.60	104	54173	20.811	ug/l	99
71) Bromoform	9.77	173	10347	21.869	ug/l #	100
73) Isopropylbenzene	9.97	105	92536	20.309	ug/l	100
74) N-amyl acetate	9.84	43	22774	21.361	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	21176	22.601	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	16860m	23.280	ug/l	
77) Bromobenzene	10.26	156	21786	20.493	ug/l	98
78) n-propylbenzene	10.40	91	107918	20.019	ug/l	100
79) 2-Chlorotoluene	10.47	91	65987	20.310	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	77663	20.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	5361	21.026	ug/l	99
82) 4-Chlorotoluene	10.58	91	77245	20.055	ug/l	99
83) tert-Butylbenzene	10.91	119	73764	19.935	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	78924	20.061	ug/l	100
85) sec-Butylbenzene	11.13	105	95537	19.812	ug/l	99
86) p-Isopropyltoluene	11.29	119	84909	19.953	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	43010	19.977	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	43450	19.771	ug/l	96
89) n-Butylbenzene	11.70	91	80137	19.446	ug/l	100
90) Hexachloroethane	11.95	117	14266	18.953	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	39799	20.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3573	22.842	ug/l	96

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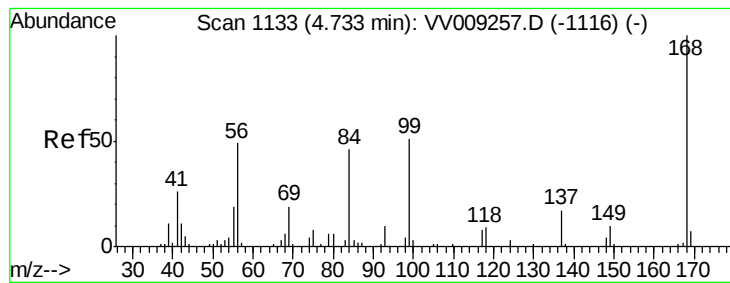
Manual Integrations
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1/25/2019 10:01:53 AM

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Quant Title : SW846 8260
QLast Update : Thu Jan 24 23:18:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	26793	19.793	ug/l	99
94) Hexachlorobutadiene	13.49	225	15667	20.247	ug/l	98
95) Naphthalene	13.55	128	54600	20.135	ug/l	100
96) 1,2,3-Trichlorobenzene	13.80	180	24525	20.540	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion:168 Resp: 75277

Ion Ratio Lower Upper

168 100

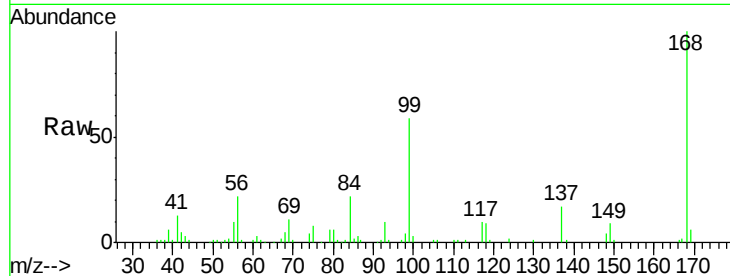
99 58.3 50.0 75.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009257.D (-1116) (-)

4.73

30000

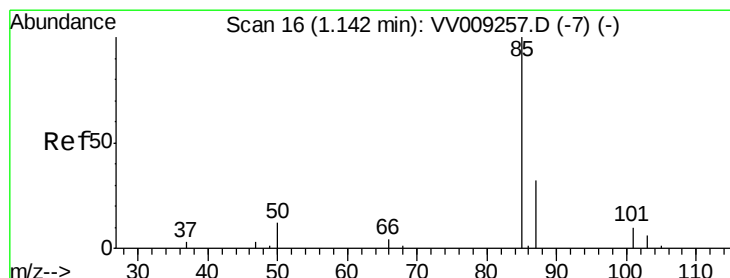
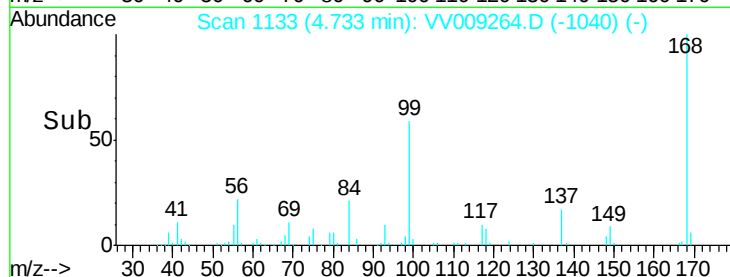
20000

10000

0

4.60 4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.116 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009264.D

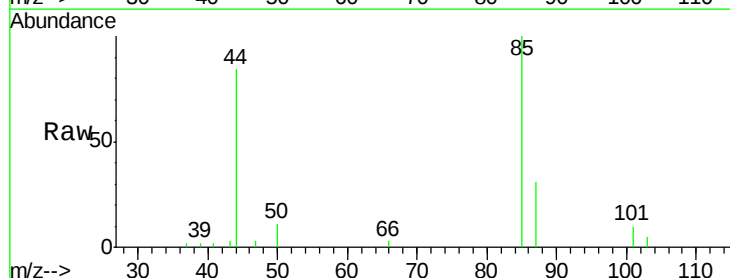
Acq: 24 Jan 2019 17:58

Tgt Ion: 85 Resp: 11398

Ion Ratio Lower Upper

85 100

87 30.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009257.D (-7) (-)

1.14

5000

4000

3000

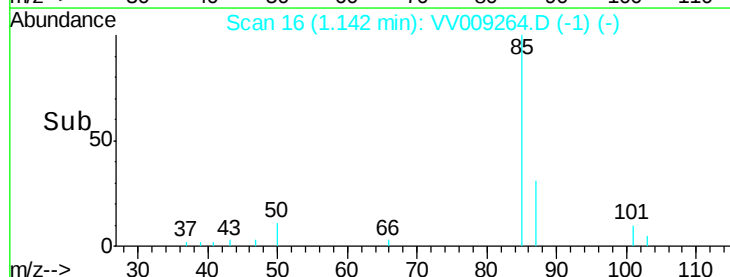
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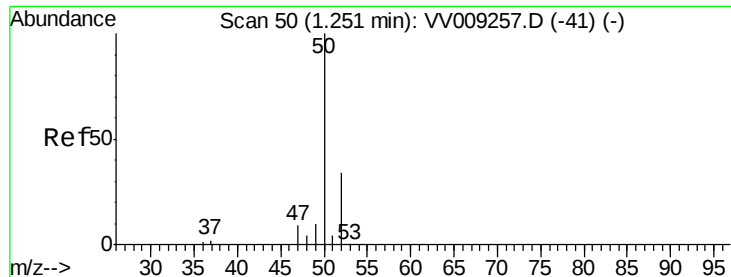
1000

0

1.05 1.10 1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.663 ug/l

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 50 Resp: 15106

Ion Ratio Lower Upper

50 100

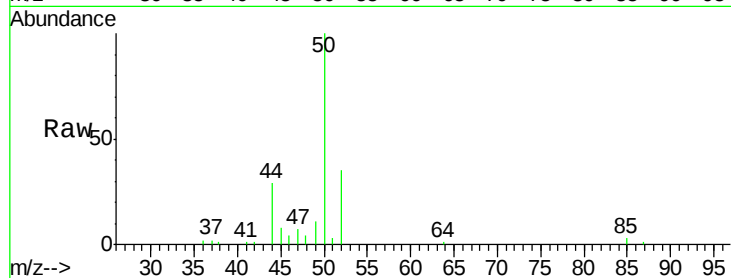
52 34.8 26.8 40.2

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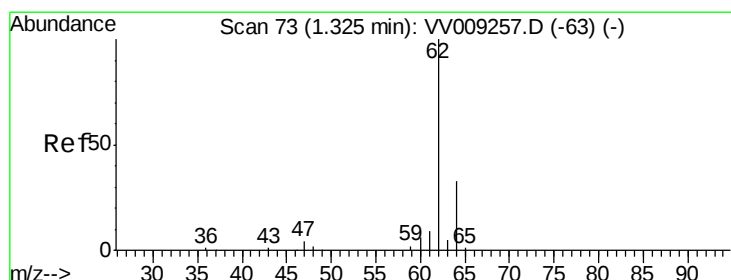
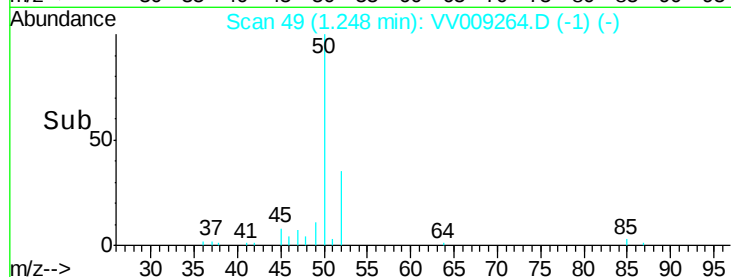
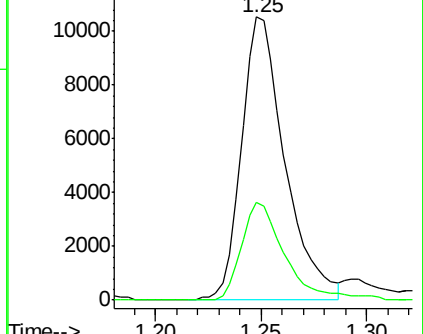
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Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 19.965 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009264.D

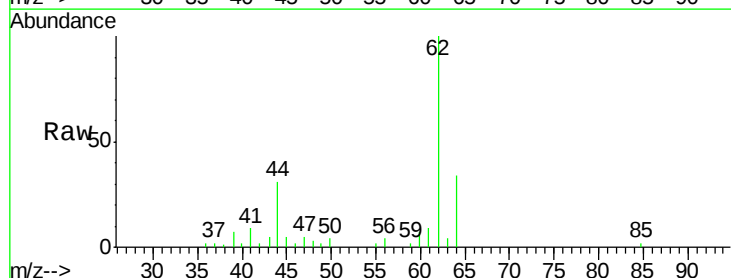
Acq: 24 Jan 2019 17:58

Tgt Ion: 62 Resp: 17297

Ion Ratio Lower Upper

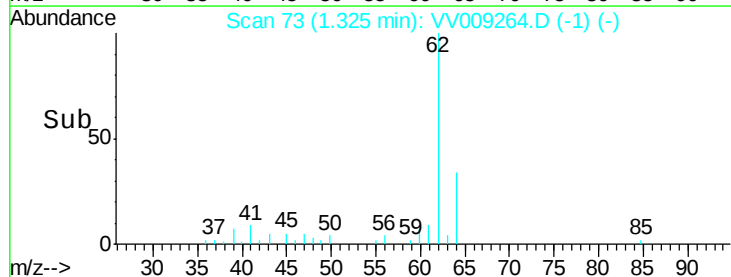
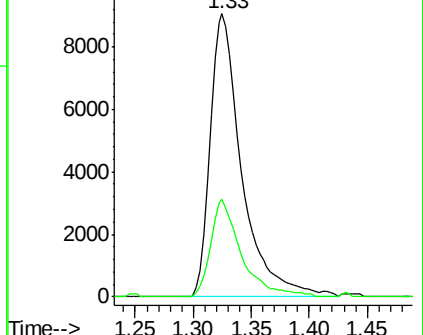
62 100

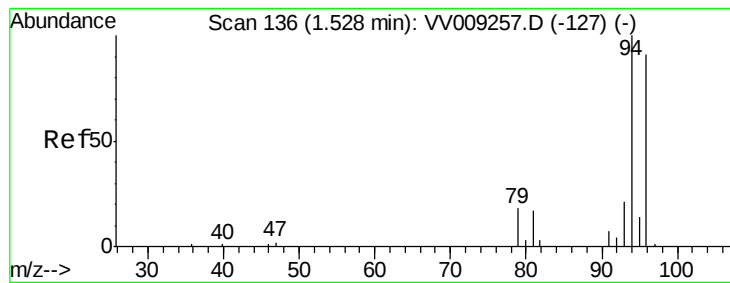
64 34.4 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0





#5

Bromomethane

Concen: 18.927 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 94 Resp: 9278

Ion Ratio Lower Upper

94 100

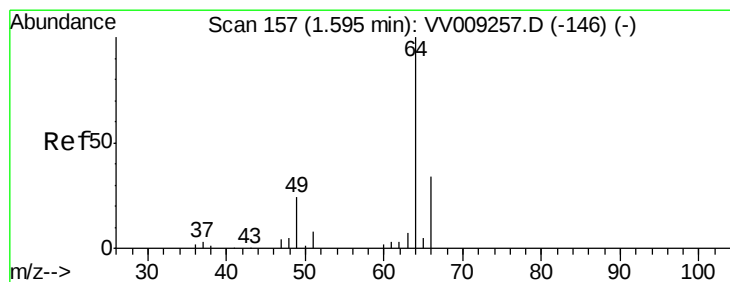
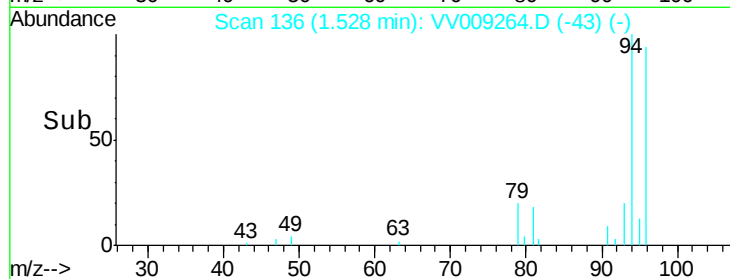
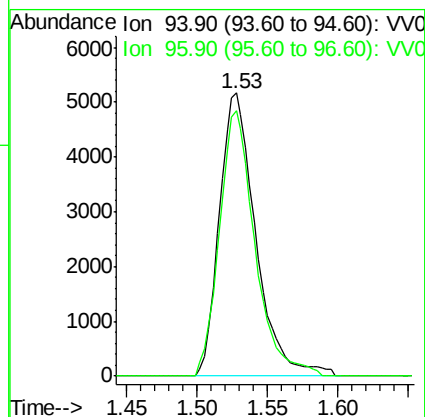
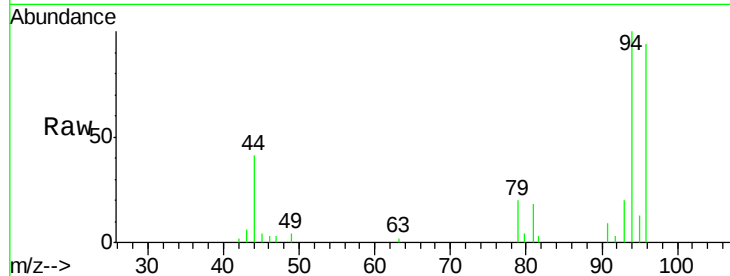
96 94.0 73.0 109.6

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#6

Chloroethane

Concen: 18.596 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV009264.D

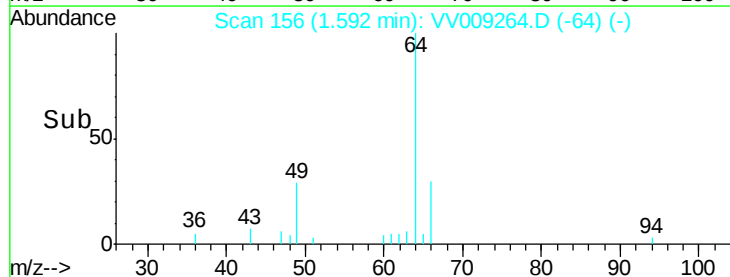
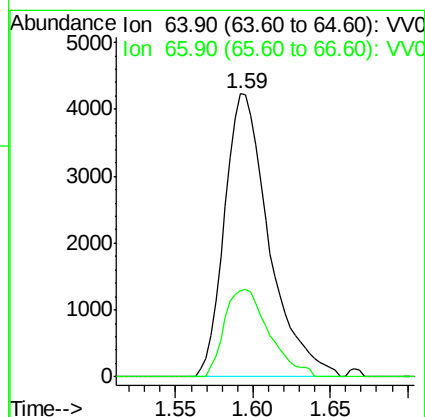
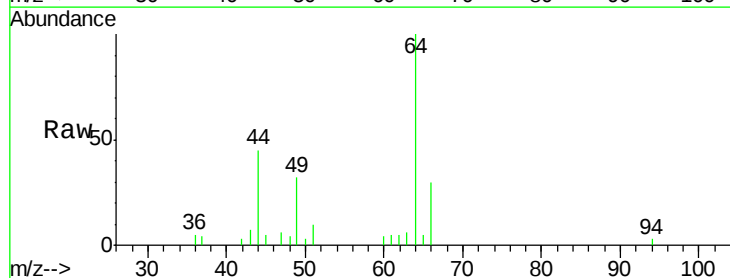
Acq: 24 Jan 2019 17:58

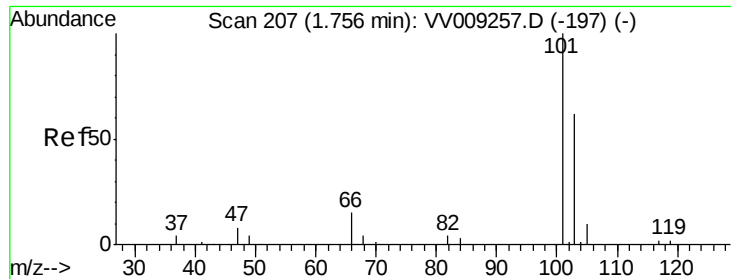
Tgt Ion: 64 Resp: 8450

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.6





#7

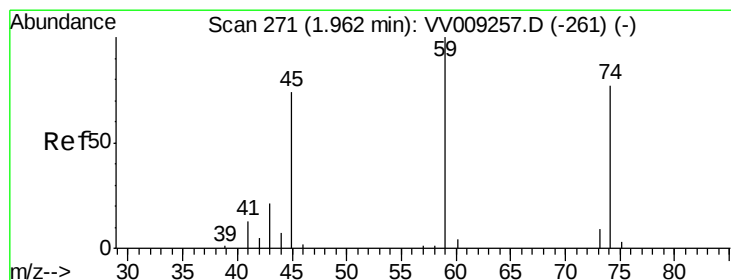
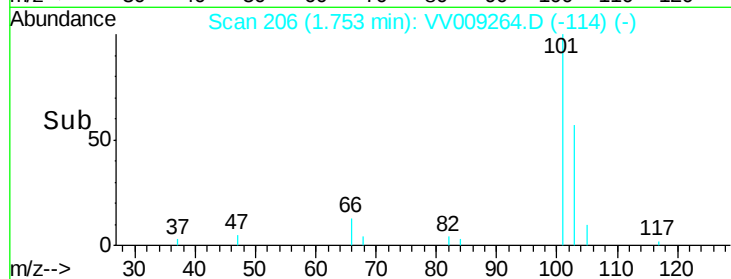
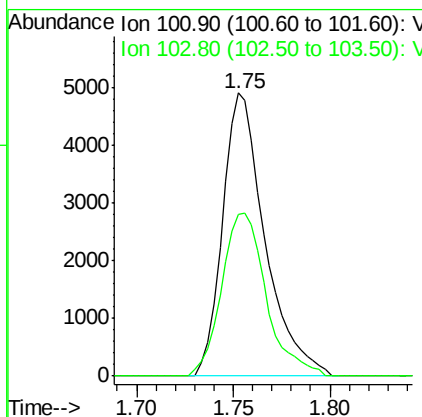
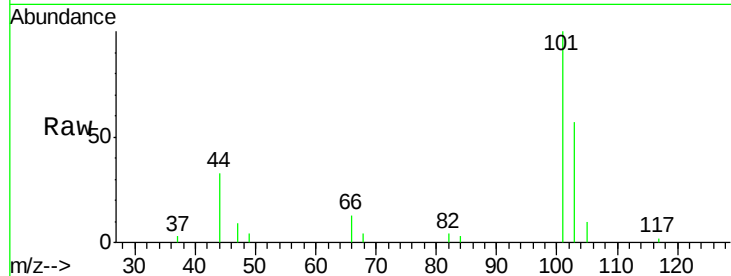
Trichlorofluoromethane
Concen: 18.205 ug/l
RT: 1.75 min Scan# 206
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion:101 Resp: 7451
Ion Ratio Lower Upper
101 100
103 57.3 49.8 74.8

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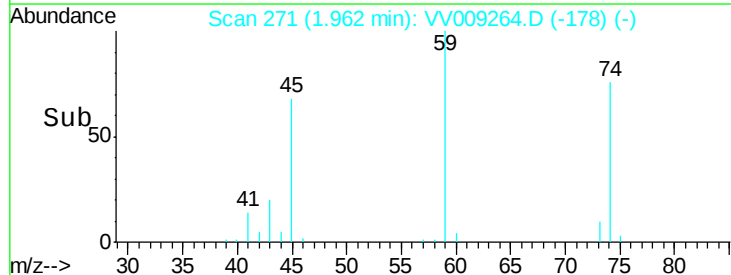
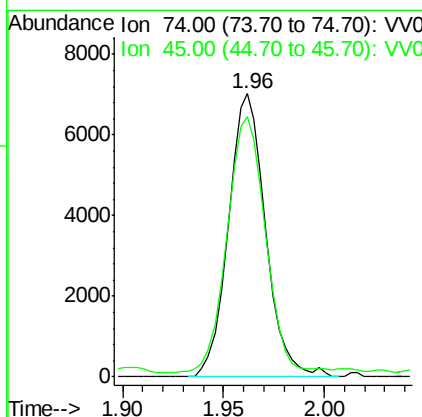
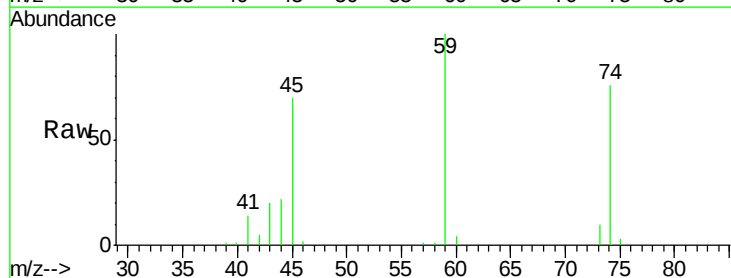
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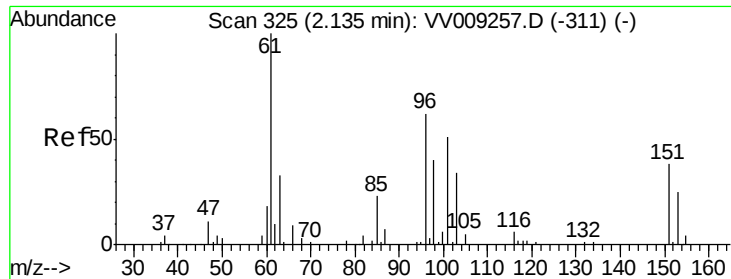


#8

Diethyl Ether
Concen: 22.181 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion: 74 Resp: 9039
Ion Ratio Lower Upper
74 100
45 93.4 47.4 142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.467 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

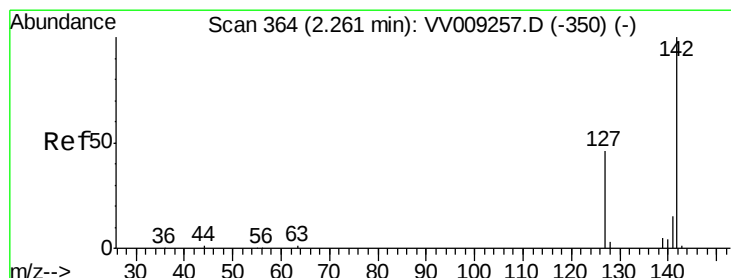
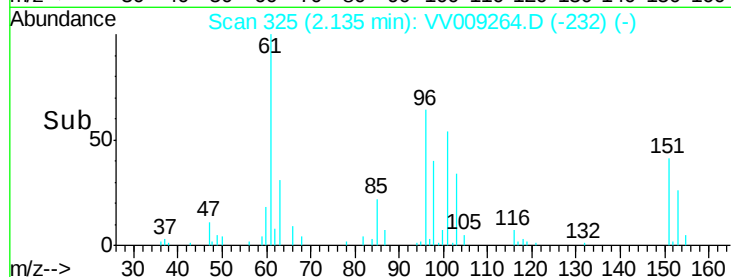
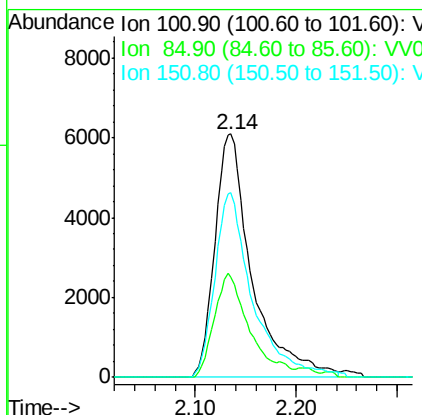
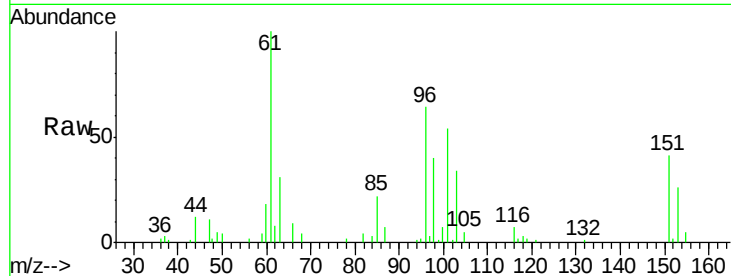
ClientSampleId :

VV0124SBS01

Tot Ion:	101	Resp:	15642
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.8	50.6
151	77.2	58.3	87.5

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#10

Methyl Iodide

Concen: 20.524 ug/l

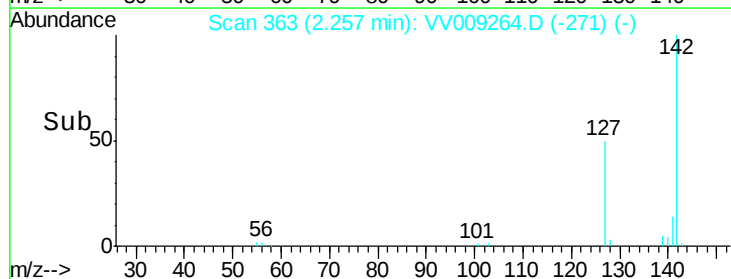
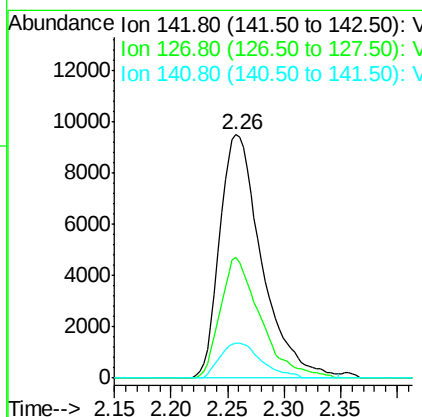
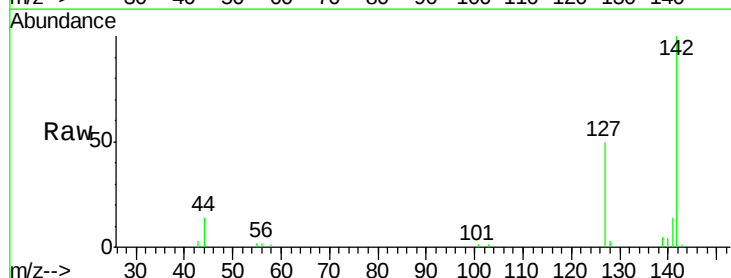
RT: 2.26 min Scan# 363

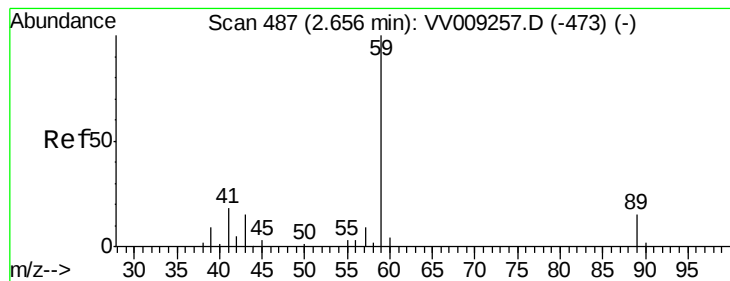
Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	142	Resp:	24637
Ion Ratio	Lower	Upper	
142	100		
127	47.4	36.8	55.2
141	14.2	11.6	17.4





#11

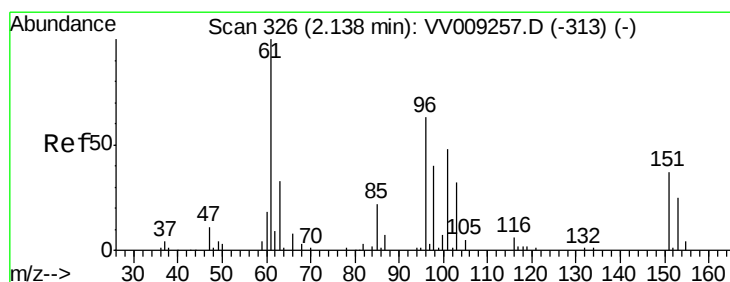
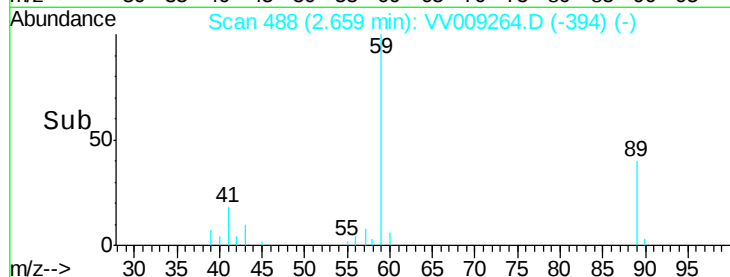
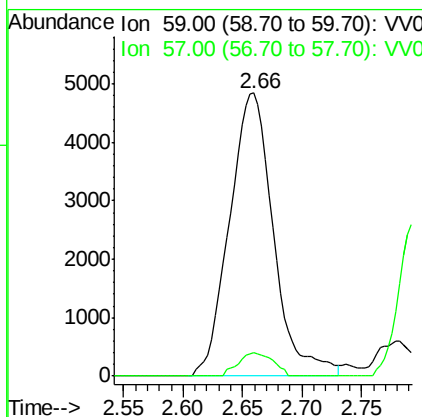
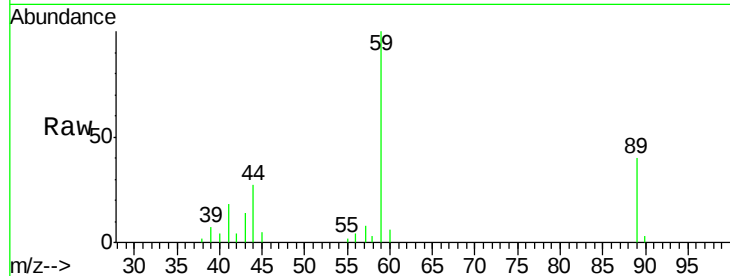
Tert butyl alcohol
Concen: 160.803 ug/l
RT: 2.66 min Scan# 488
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.0	10.4#

Manual Integrations
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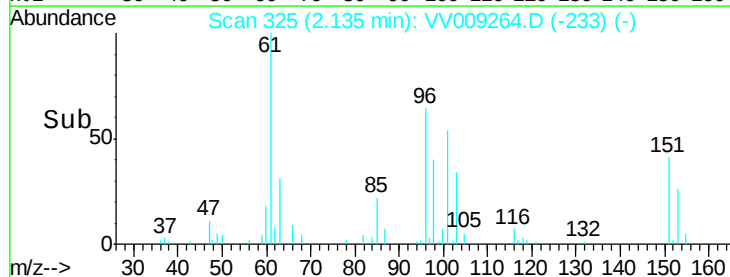
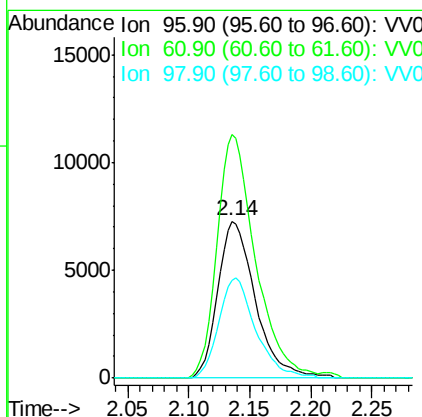
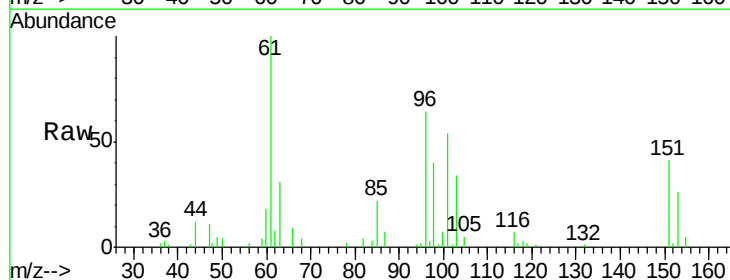
MMDadoda
1/25/2019 10:01:53 AM

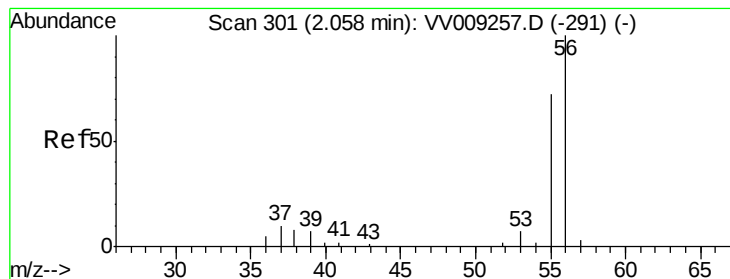


#12

1,1-Dichloroethene
Concen: 20.740 ug/l
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	127.2	190.8
98	62.5	51.5	77.3





#13

Acrolein

Concen: 123.912 ug/l

RT: 2.05 min Scan# 300

Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 56 Resp: 5428

Ion Ratio Lower Upper

56 100

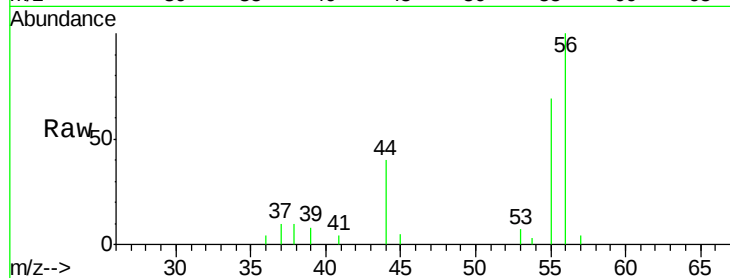
55 66.2 54.8 82.2

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Abundance Ion 56.00 (55.70 to 56.70): VV009257.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009257.D (-291) (-)

2.05

4000

3000

2000

1000

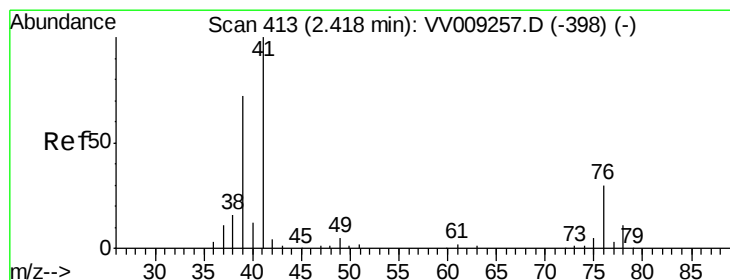
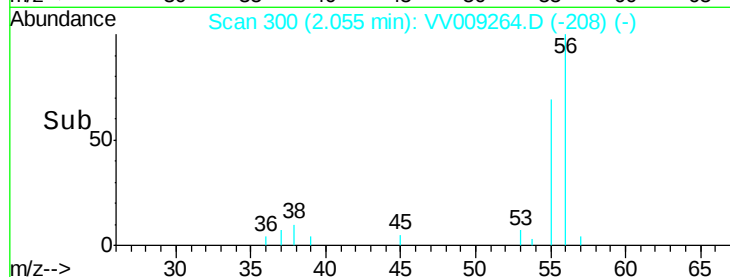
0

Time-->

2.00

2.05

2.10



#14

Allyl chloride

Concen: 20.751 ug/l

RT: 2.42 min Scan# 413

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

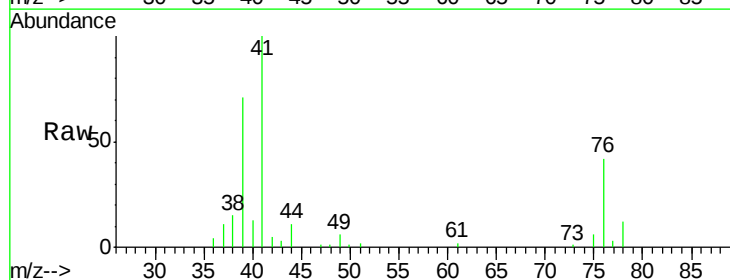
Tgt Ion: 41 Resp: 23468

Ion Ratio Lower Upper

41 100

39 67.4 56.4 84.6

76 38.1 30.6 46.0



Abundance Ion 41.00 (40.70 to 41.70): VV009257.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009257.D (-398) (-)

Ion 75.90 (75.60 to 76.60): VV009257.D (-398) (-)

25000

20000

15000

10000

5000

0

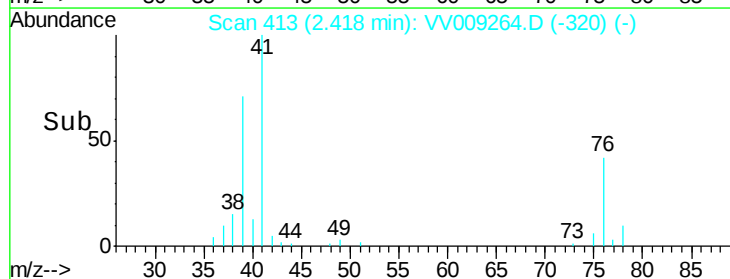
Time-->

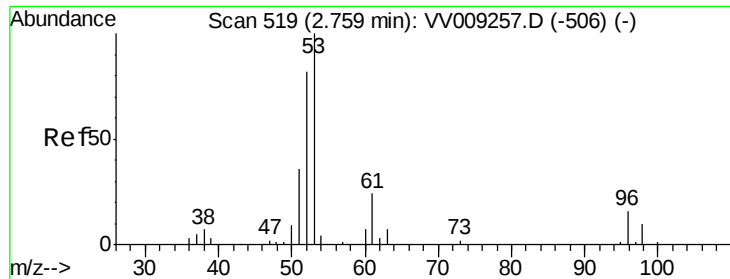
2.35

2.40

2.45

2.50





#15

Acrylonitrile

Concen: 121.232 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

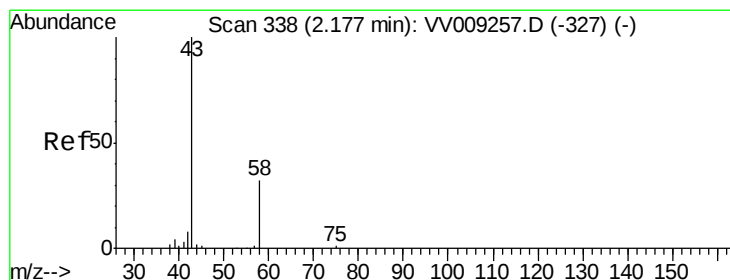
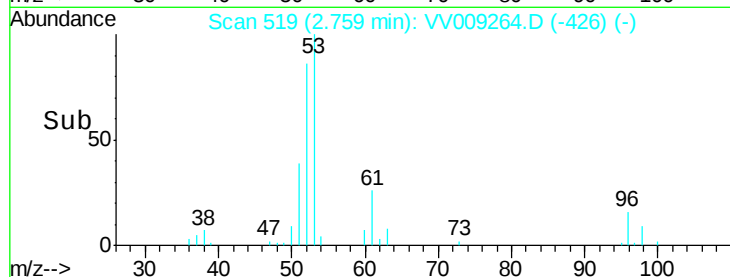
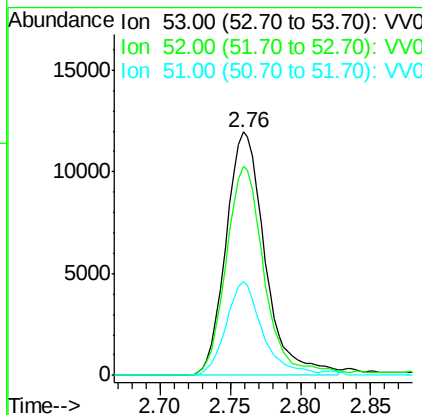
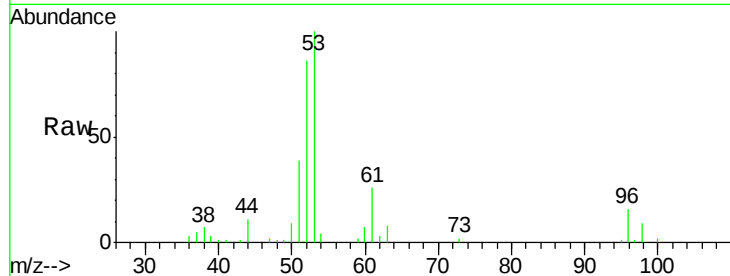
ClientSampleId :

VV0124SBS01

Tot Ion:	53	Resp:	23137
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.2	100.8
51	36.0	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 98.247 ug/l

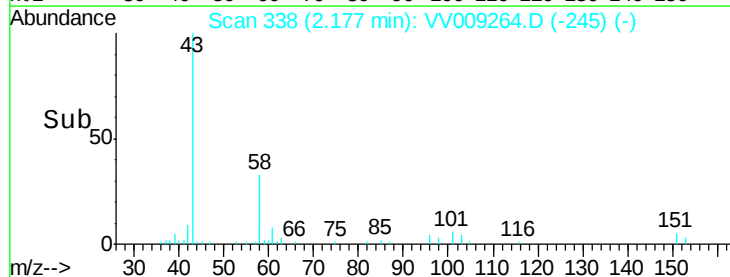
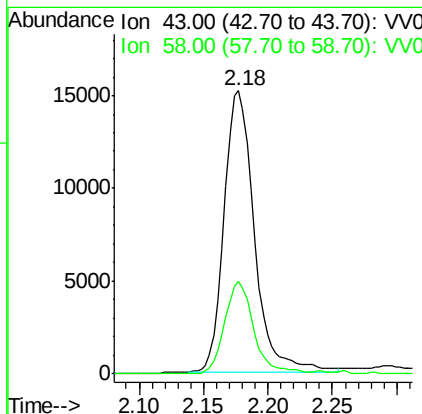
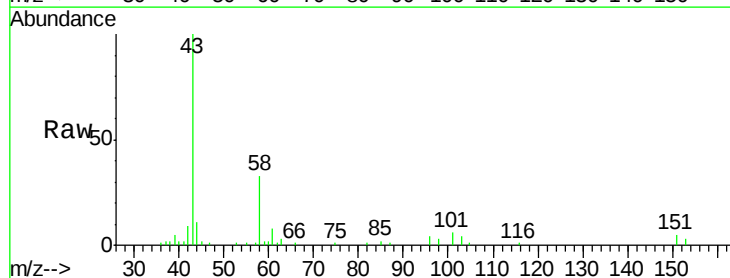
RT: 2.18 min Scan# 338

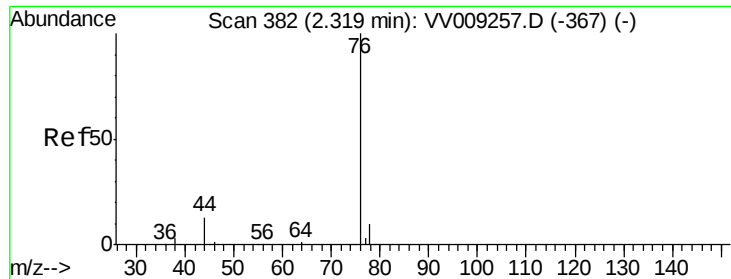
Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	43	Resp:	24663
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.8	38.6





#17

Carbon Disulfide

Concen: 20.588 ug/l

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 76 Resp: 43762

Ion Ratio Lower Upper

76 100

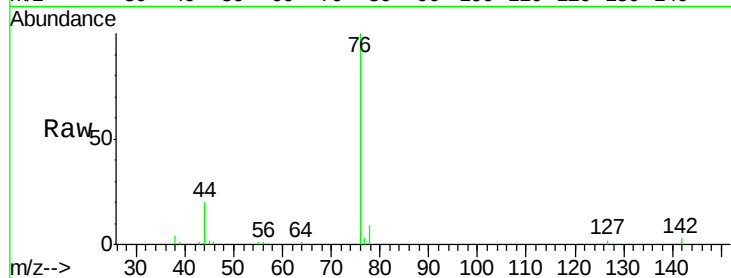
78 9.4 7.9 11.9

Manual Integrations

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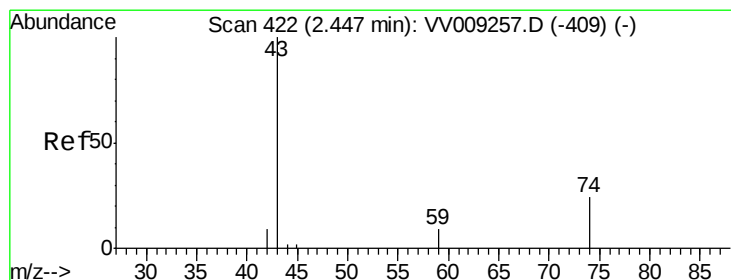
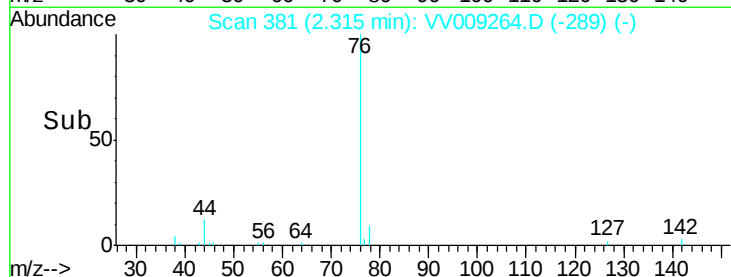
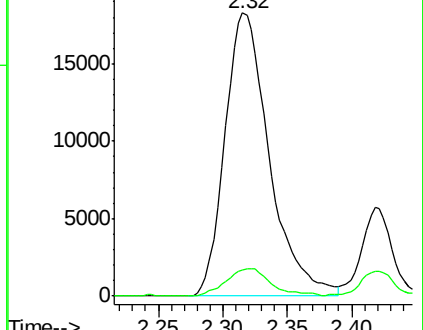
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VV009257.D (-367) (-)

Ion 77.90 (77.60 to 78.60): VV009257.D (-367) (-)



#18

Methyl Acetate

Concen: 24.571 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009264.D

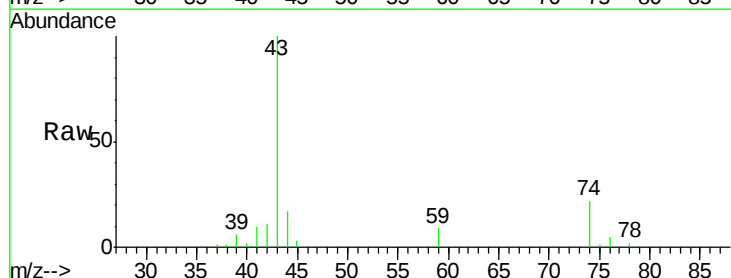
Acq: 24 Jan 2019 17:58

Tgt Ion: 43 Resp: 15444

Ion Ratio Lower Upper

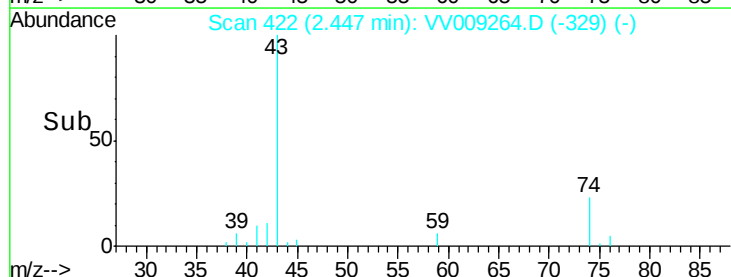
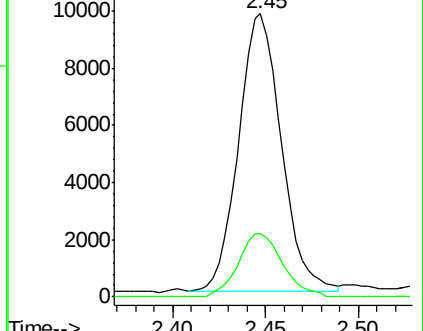
43 100

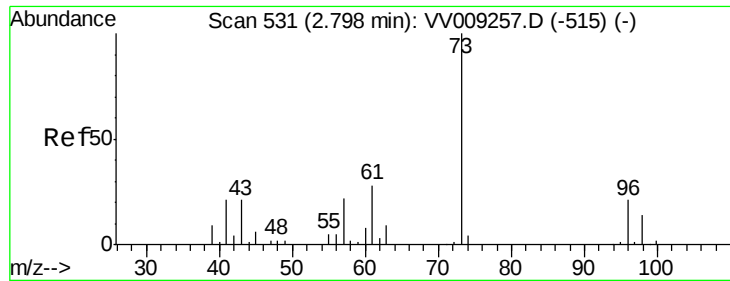
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-409) (-)

Ion 74.00 (73.70 to 74.70): VV009257.D (-409) (-)





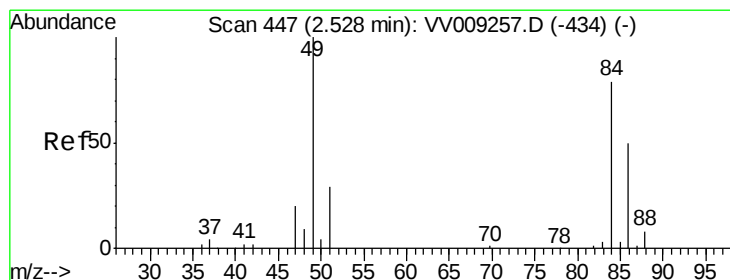
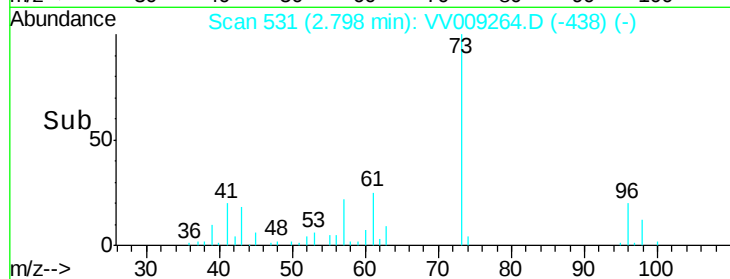
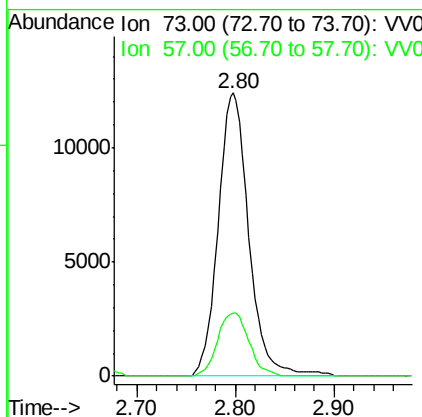
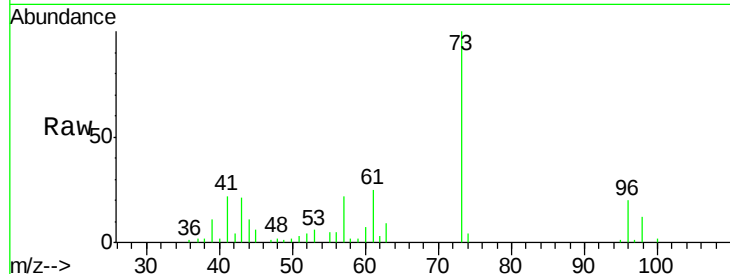
#19
Methvl tert-butvl Ether
Concen: 22.718 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion: 73 Resp: 26925
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9

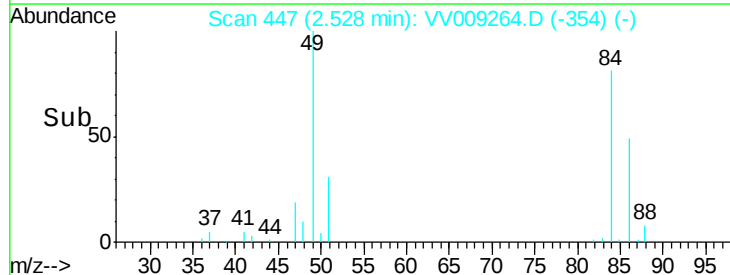
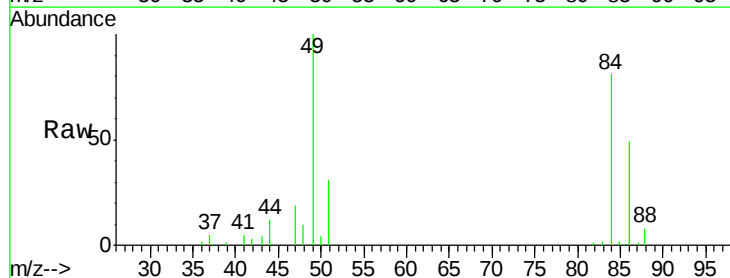
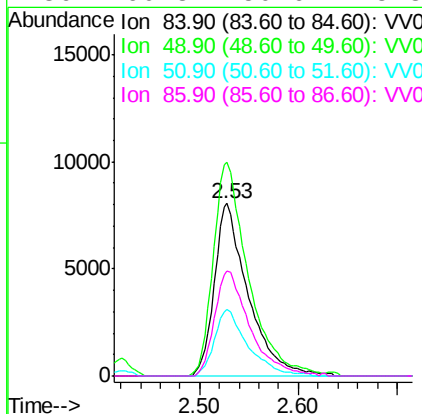
Manual Integrations
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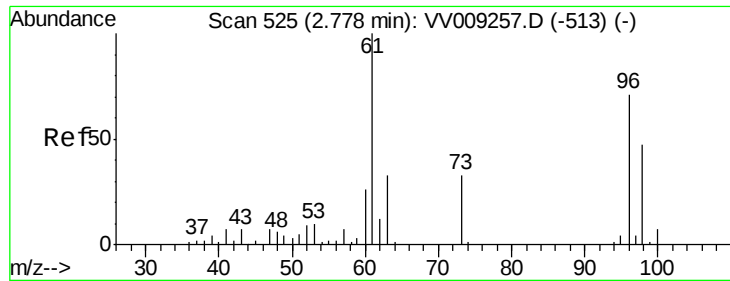
MMDadoda
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#20
Methylene Chloride
Concen: 22.654 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion: 84 Resp: 19289
Ion Ratio Lower Upper
84 100
49 124.0 101.5 152.3
51 38.5 29.6 44.4
86 60.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 21.152 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

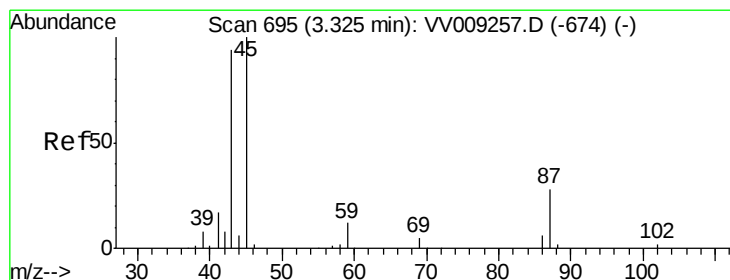
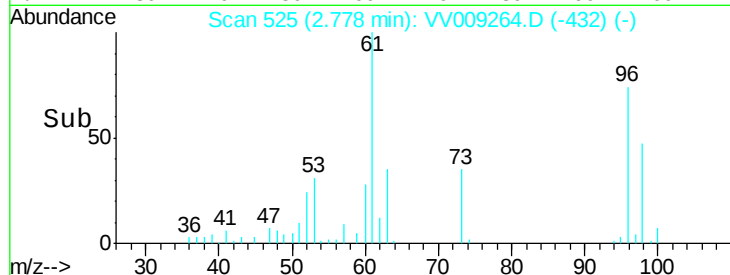
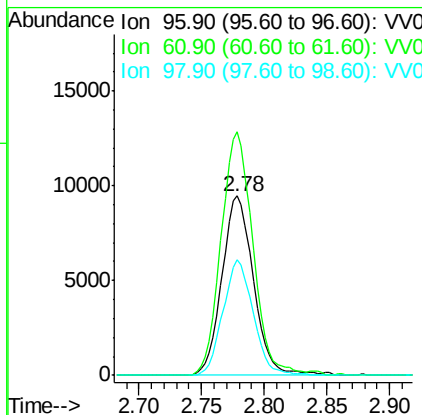
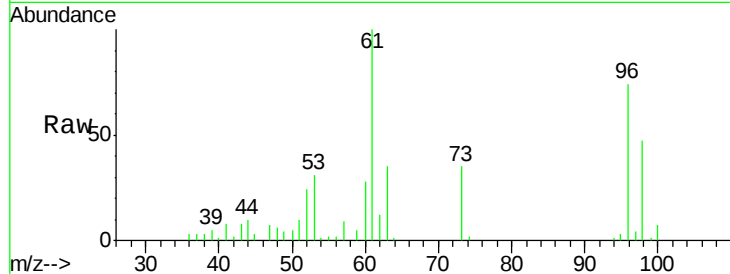
ClientSampleId :

VV0124SBS01

Tot Ion:	96	Resp:	16584
Ion	Ratio	Lower	Upper
96	100		
61	135.8	112.1	168.1
98	64.2	52.8	79.2

Manual Integrations
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MMDadoda
1/25/2019 10:01:53 AM



#22

Diisopropyl ether

Concen: 21.383 ug/l

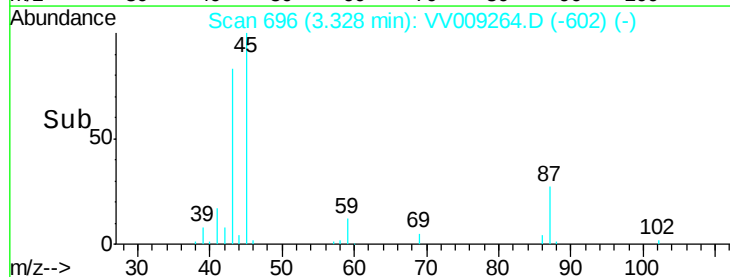
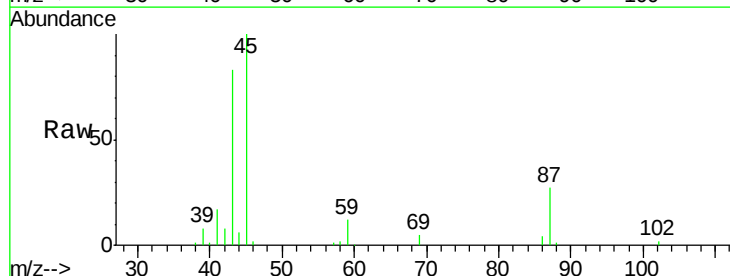
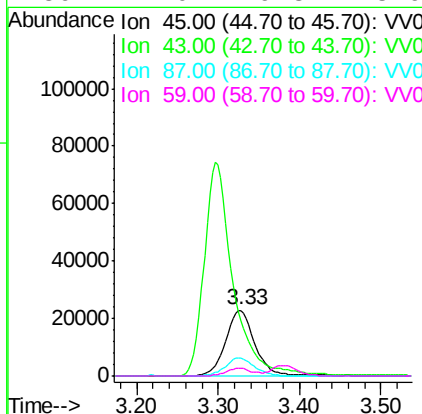
RT: 3.33 min Scan# 696

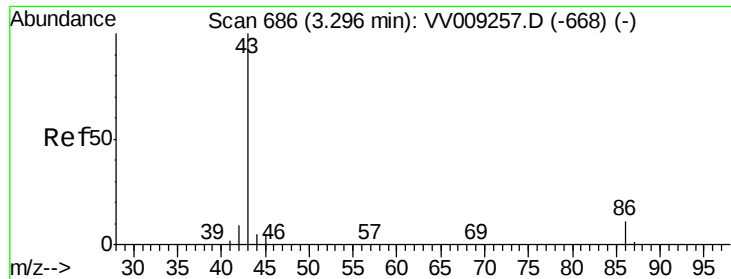
Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	45	Resp:	57797
Ion	Ratio	Lower	Upper
45	100		
43	80.7	75.3	112.9
87	27.2	22.4	33.6
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 109.958 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 43 Resp: 183231

Ion Ratio Lower Upper

43 100

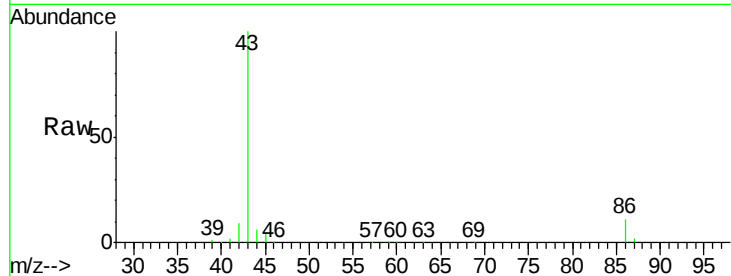
86 10.6 8.5 12.7

Manual Integrations

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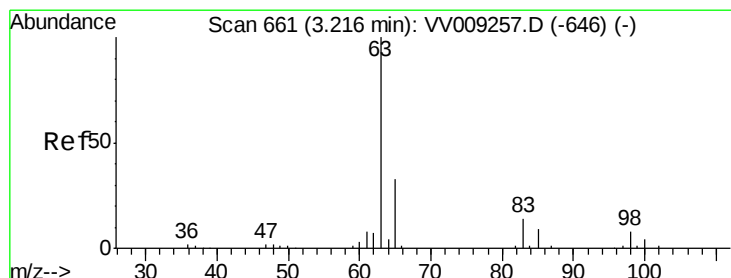
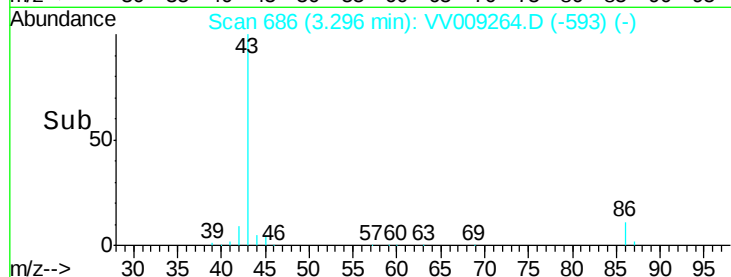
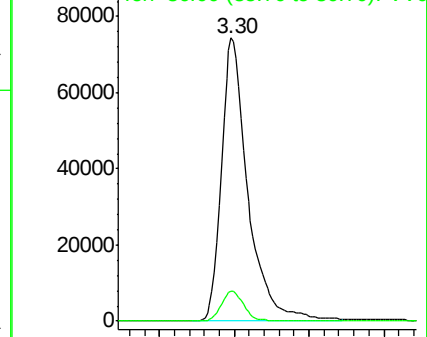
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#24

1,1-Dichloroethane

Concen: 20.775 ug/l

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

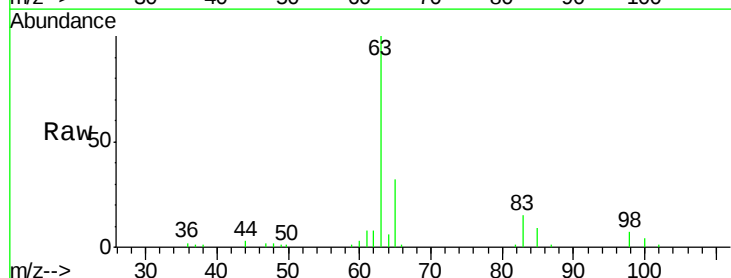
Tgt Ion: 63 Resp: 34681

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

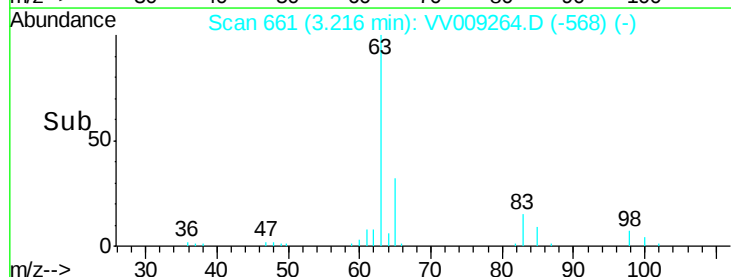
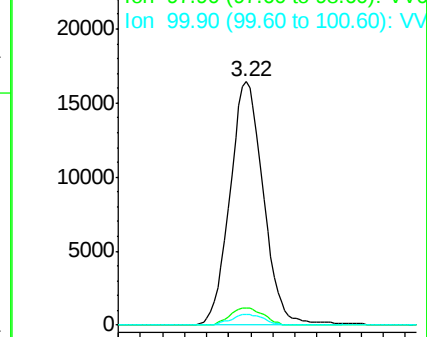
100 4.5 2.0 6.0

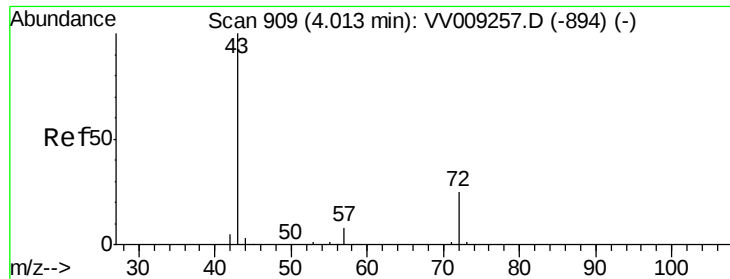


Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0





#25

2-Butanone

Concen: 110.462 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 43 Resp: 36341

Ion Ratio Lower Upper

43 100

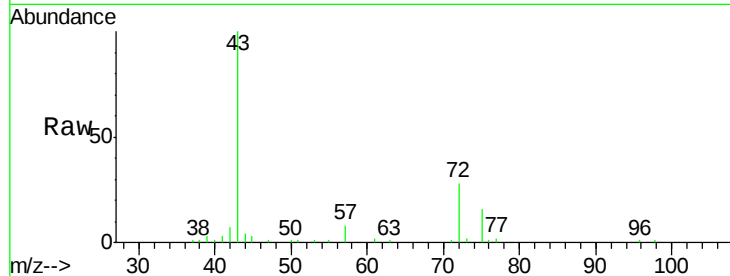
72 28.0 20.2 30.4

Manual Integrations

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MMDadoda

1/25/2019 10:01:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV009257.D (-894) (-)

15000

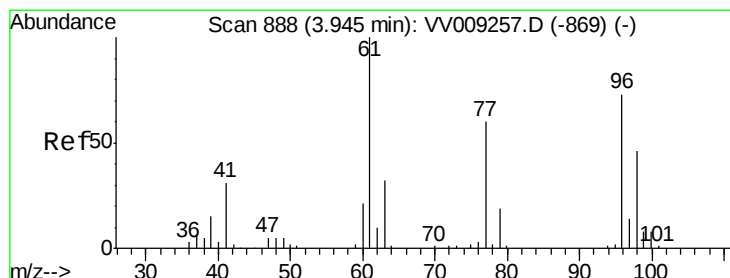
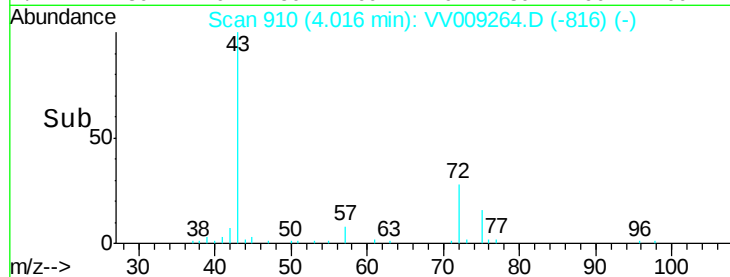
10000

5000

0

Time-->

3.95 4.00 4.05 4.10



#26

2,2-Dichloropropane

Concen: 19.866 ug/l

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VV009264.D

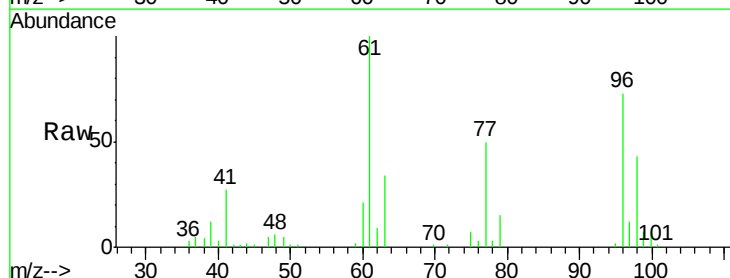
Acq: 24 Jan 2019 17:58

Tgt Ion: 77 Resp: 16818

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VV009257.D (-869) (-)

Ion 96.90 (96.60 to 97.60): VV009257.D (-869) (-)

6000

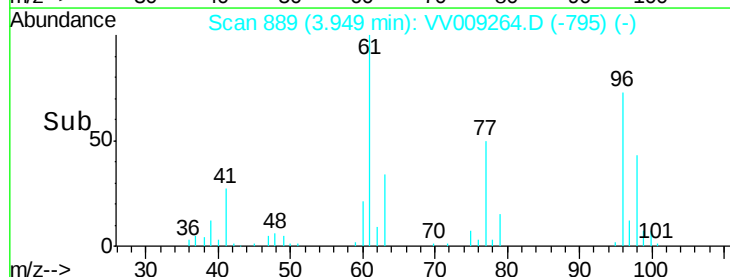
4000

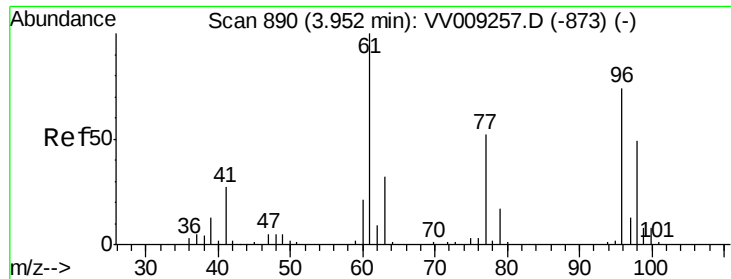
2000

0

Time-->

3.90 4.00





#27

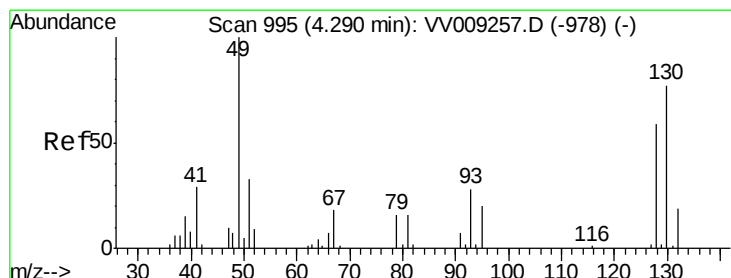
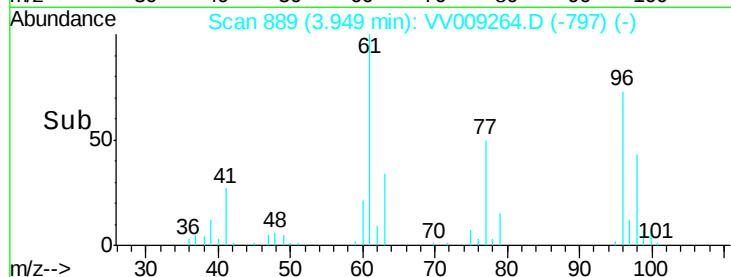
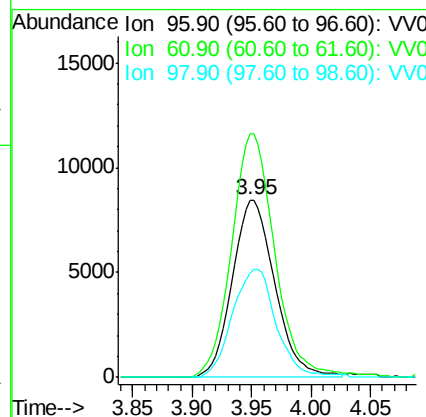
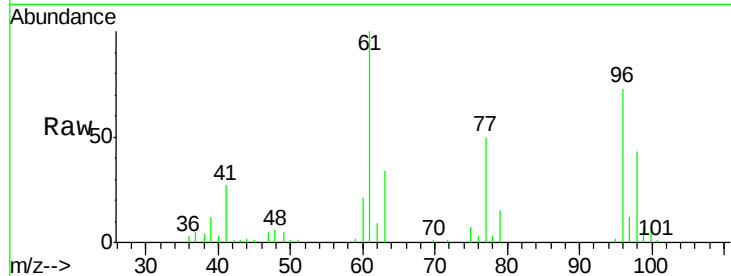
cis-1,2-Dichloroethene
Concen: 21.028 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	20906		
61	140.6	0.0	277.6	
98	62.3	0.0	127.6	

Manual Integrations
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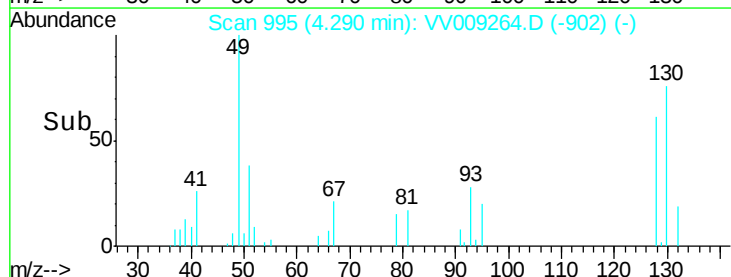
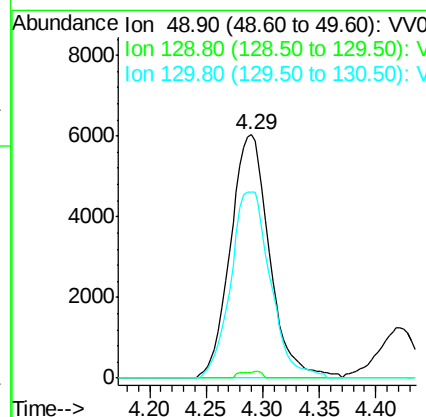
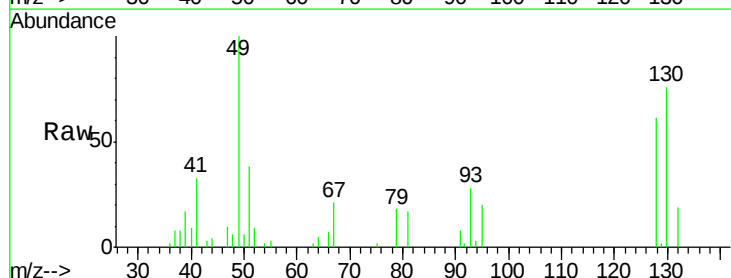
MMDadoda
1/25/2019 10:01:53 AM

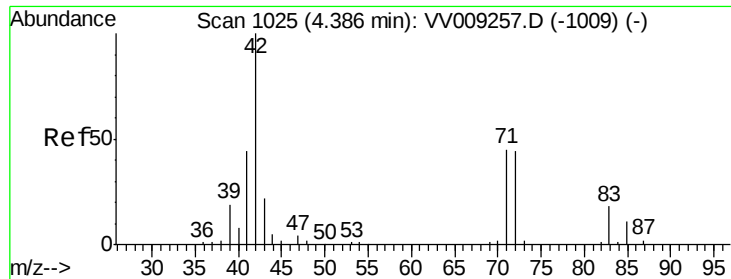


#28

Bromochloromethane
Concen: 21.662 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14507		
129	1.5	0.0	3.6	
130	77.7	63.8	95.8	





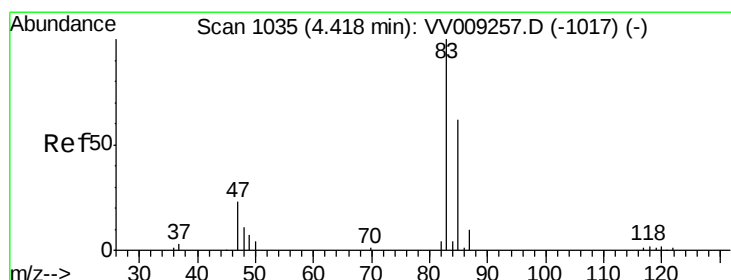
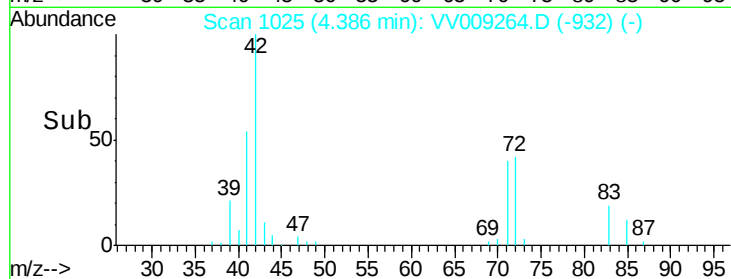
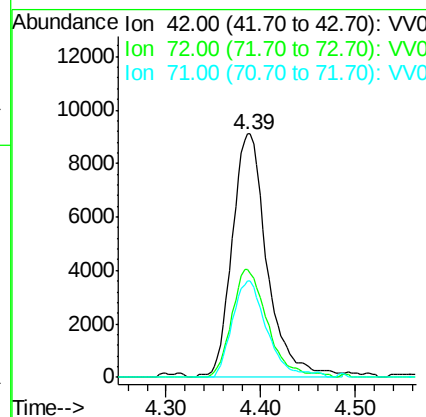
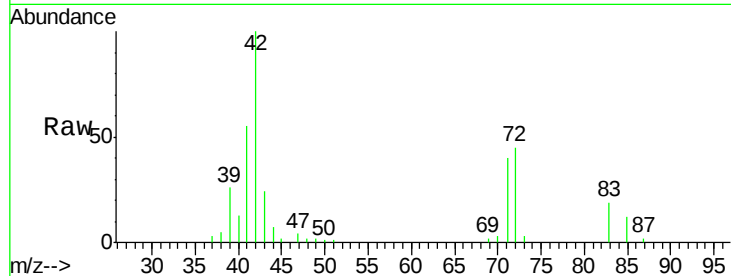
#29
Tetrahydrofuran
Concen: 125.050 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.0	54.0
71	39.4	33.3	49.9

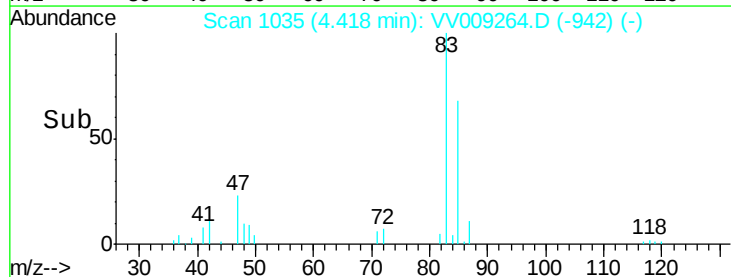
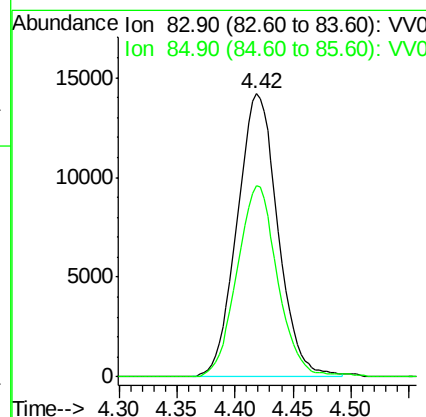
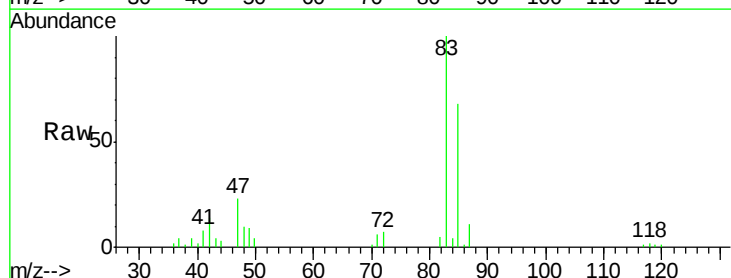
Manual Integrations
APPROVED

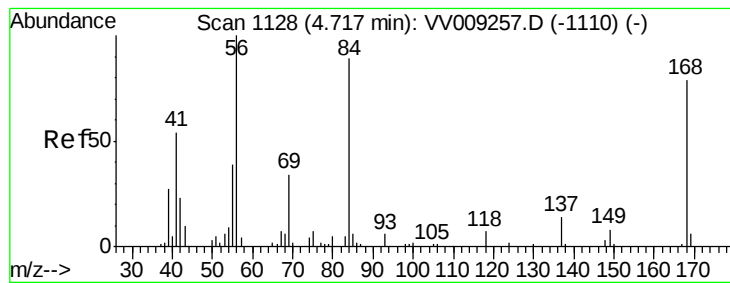
MMDadoda
1/25/2019 10:01:53 AM



#30
Chloroform
Concen: 20.684 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	49.9	74.9





#31

Cyclohexane

Concen: 19.802 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

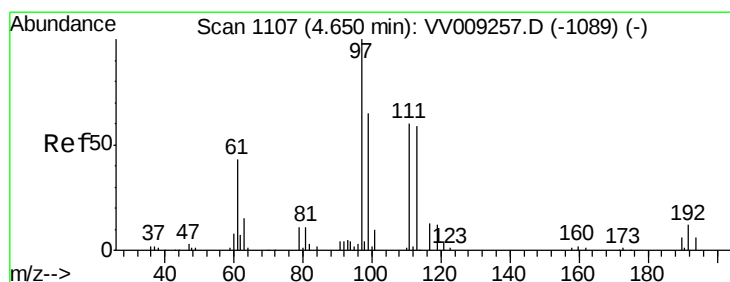
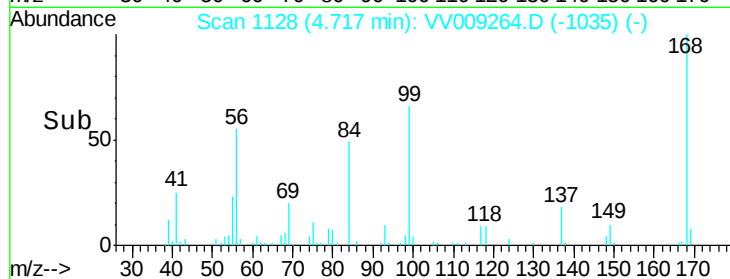
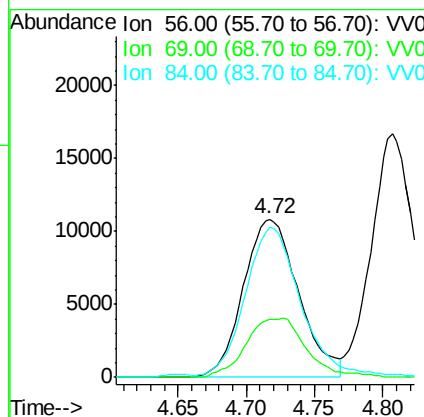
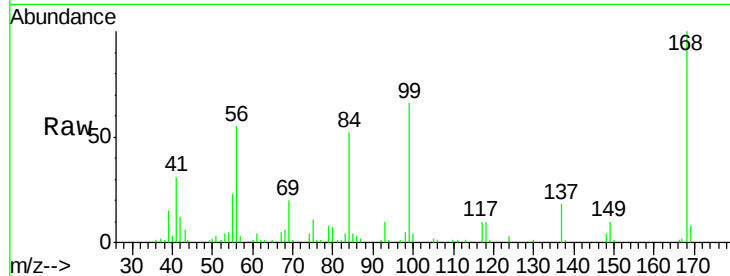
ClientSampled :

VV0124SBS01

Tot Ion:	56	Resp:	30475
Ion Ratio	Lower	Upper	
56	100		
69	36.5	27.5	41.3
84	93.6	70.9	106.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.154 ug/l

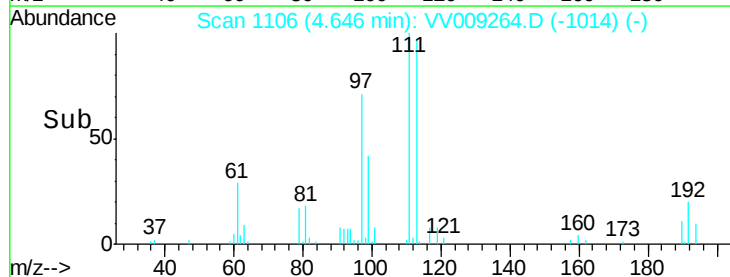
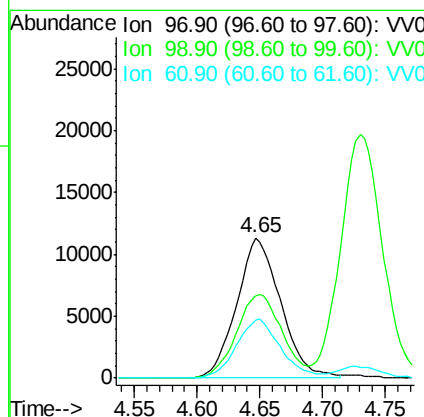
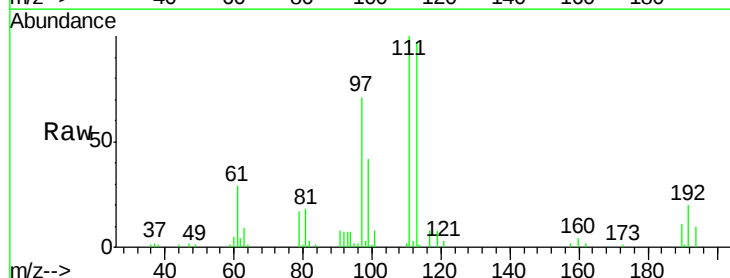
RT: 4.65 min Scan# 1106

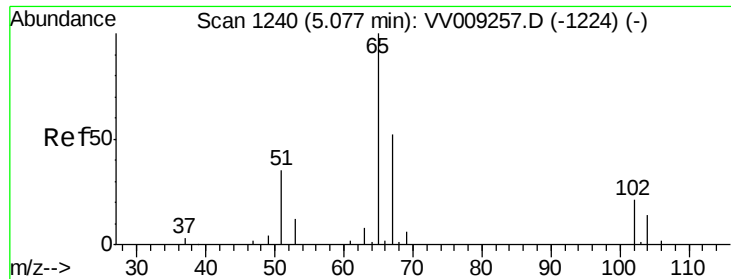
Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	97	Resp:	27588
Ion Ratio	Lower	Upper	
97	100		
99	61.9	49.8	74.8
61	42.0	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 52.897 ug/l

RT: 5.08 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 65 Resp: 48481

Ion Ratio Lower Upper

65 100

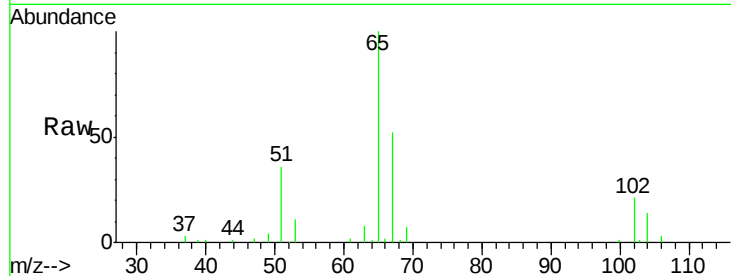
67 54.0 0.0 105.6

Manual Integrations

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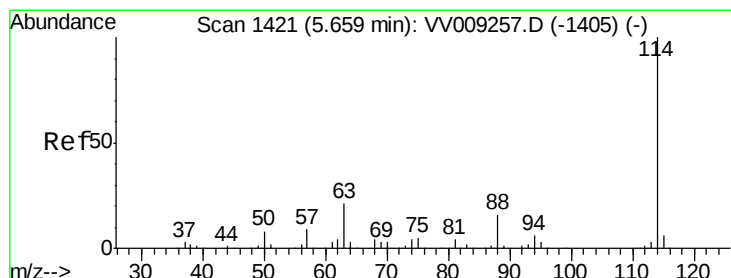
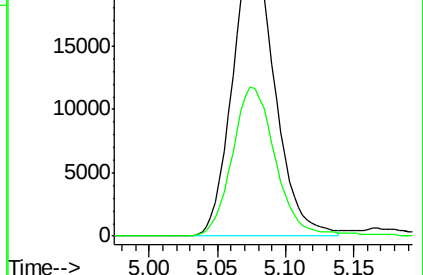
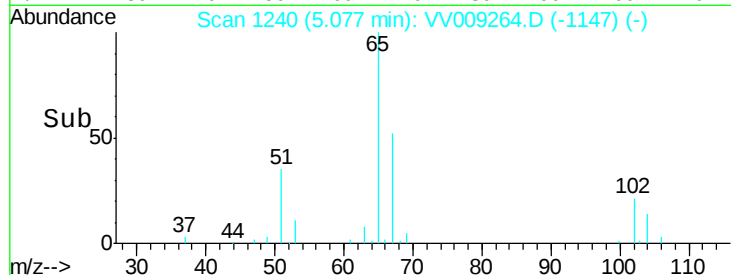


Abundance Ion 64.90 (64.60 to 65.60): VV009264.D (-1147) (-)

Ion 66.90 (66.60 to 67.60): VV009264.D (-1147) (-)

5.08

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

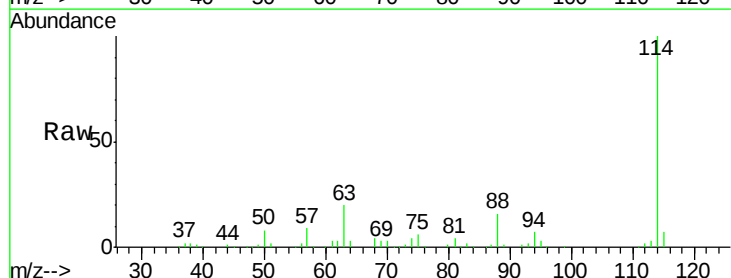
Tgt Ion: 114 Resp: 125888

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

88 16.3 0.0 33.0



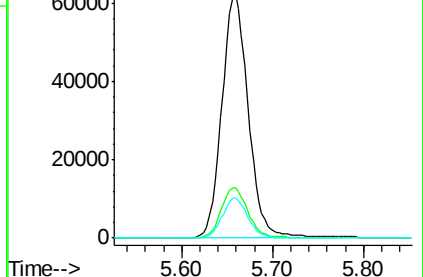
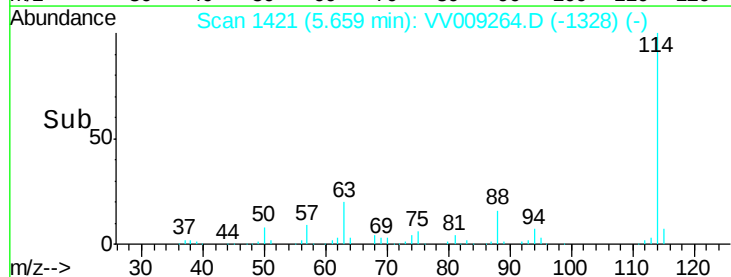
Abundance Ion 113.90 (113.60 to 114.60): VV009264.D (-1328) (-)

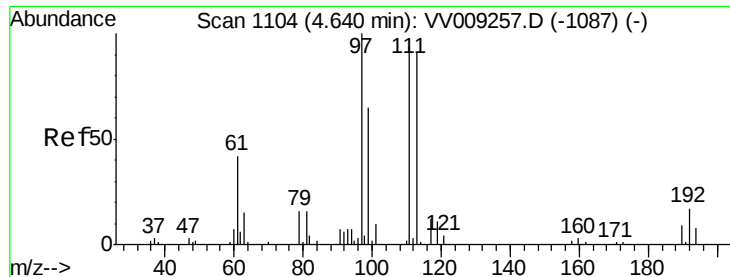
Ion 63.00 (62.70 to 63.70): VV009264.D (-1328) (-)

Ion 87.90 (87.60 to 88.60): VV009264.D (-1328) (-)

5.66

Time-->





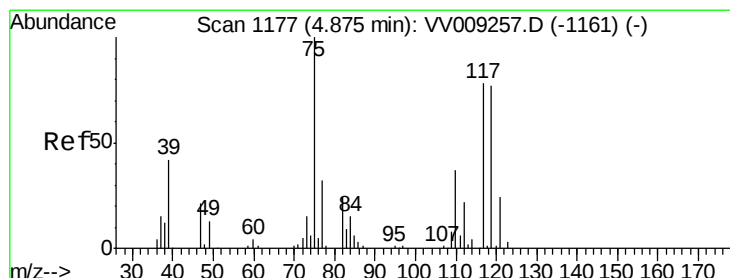
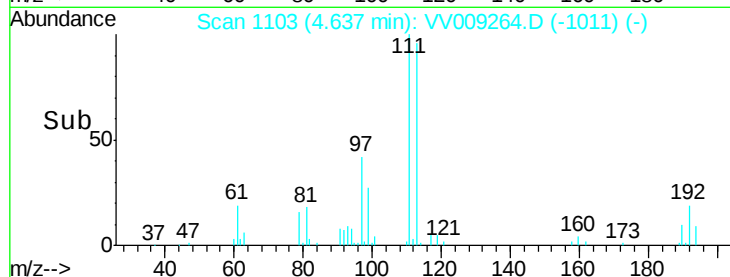
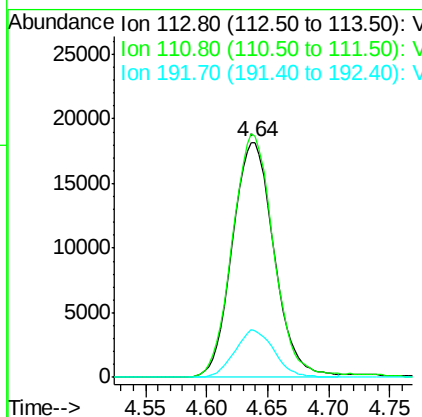
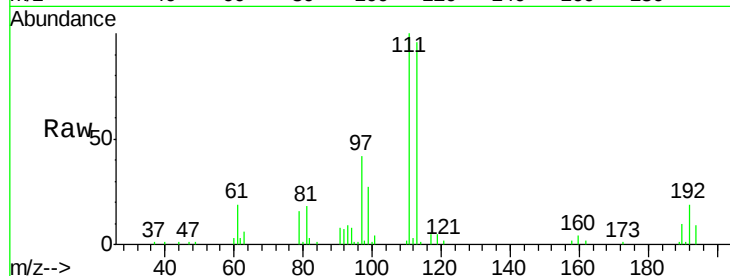
#35
 Dibromofluoromethane
 Concen: 52.036 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	19.0	15.0	22.6

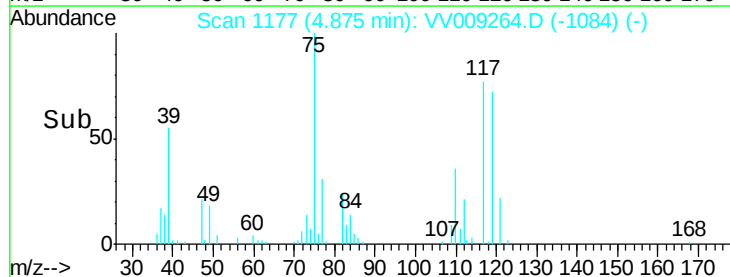
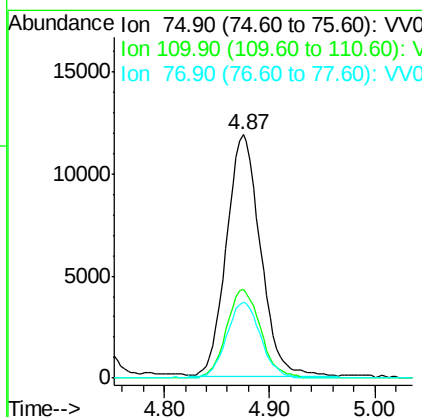
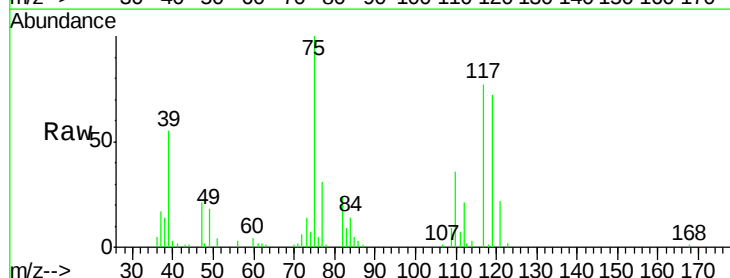
Manual Integrations
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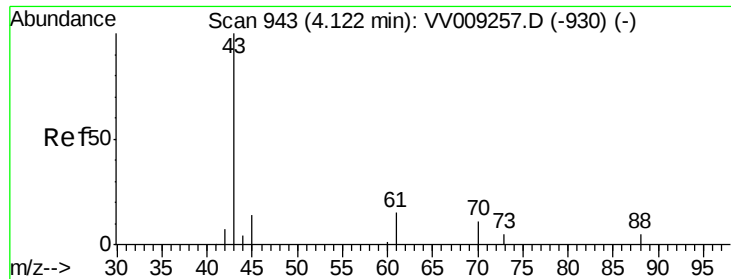
MMDadoda
 1/25/2019 10:01:53 AM



#36
 1,1-Dichloropropene
 Concen: 20.897 ug/l
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.6	52.9
77	31.2	25.5	38.3





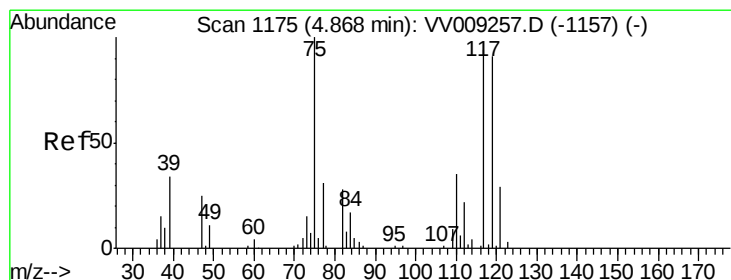
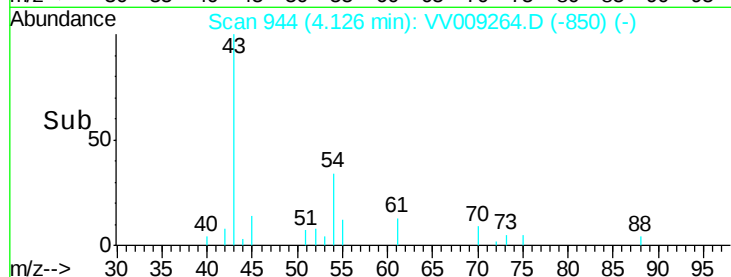
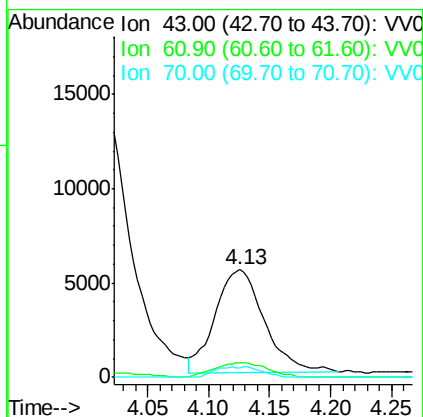
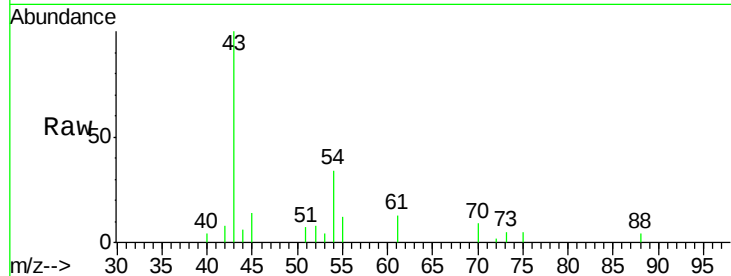
#37
Ethyl Acetate
Concen: 21.846 ug/l
RT: 4.13 min Scan# 944
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.6	15.8
70	9.5	8.0	12.0

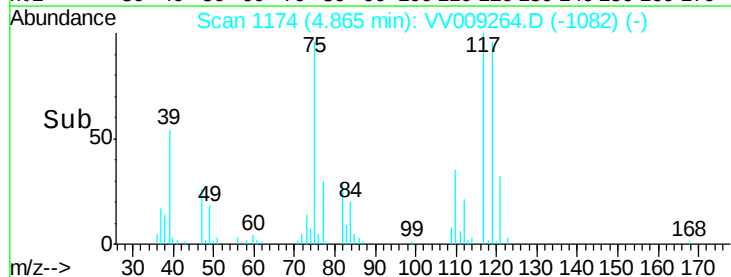
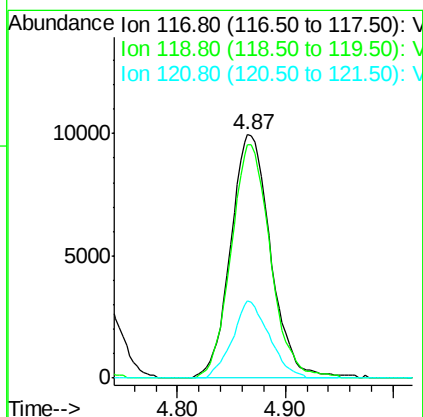
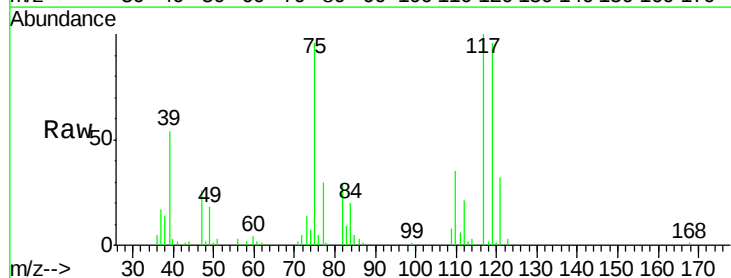
Manual Integrations
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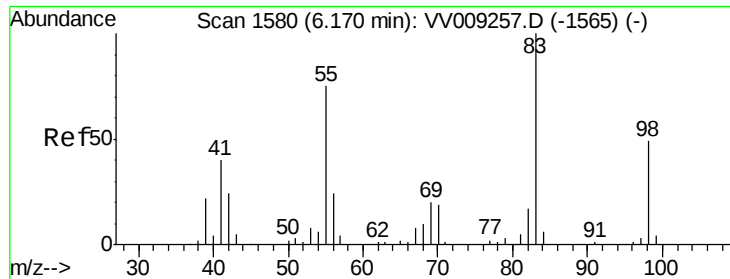
MMDadoda
1/25/2019 10:01:53 AM



#38
Carbon Tetrachloride
Concen: 20.596 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.2
121	31.6	24.8	37.2





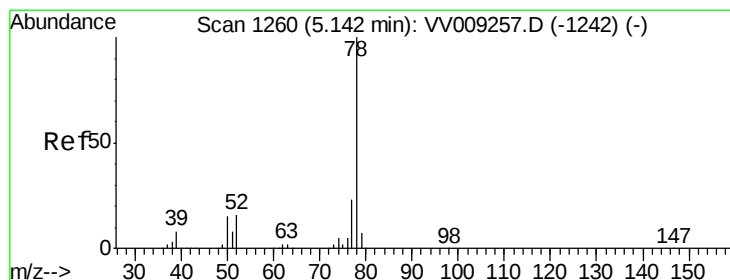
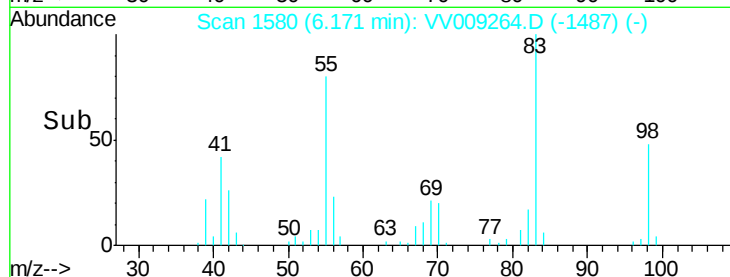
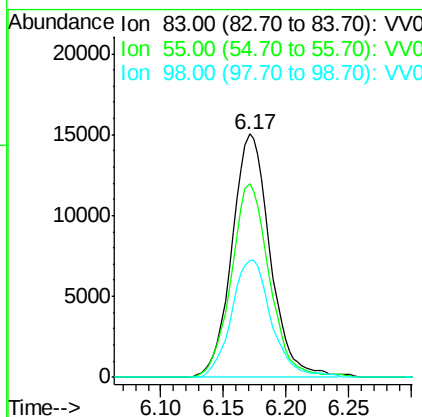
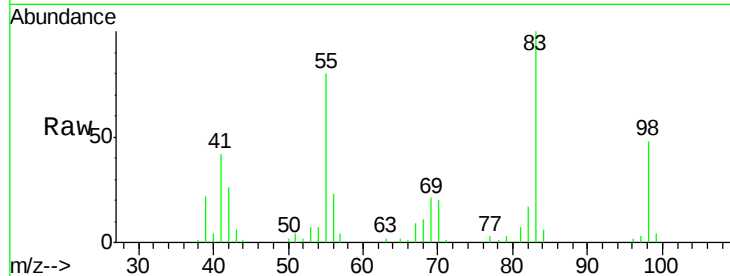
#39
Methylvlcvclohexane
Concen: 20.147 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	60.1	90.1
98	48.0	39.2	58.8

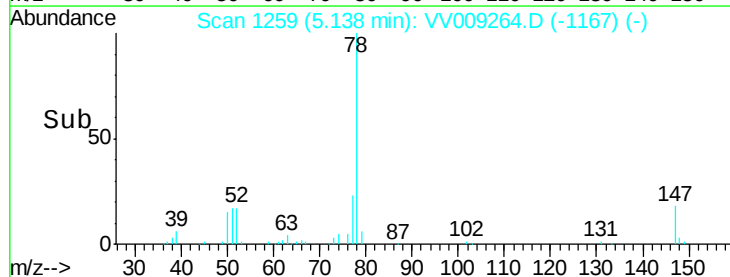
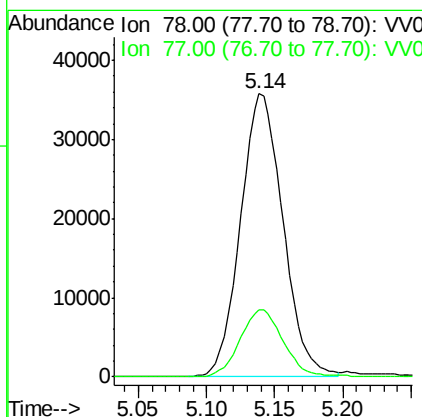
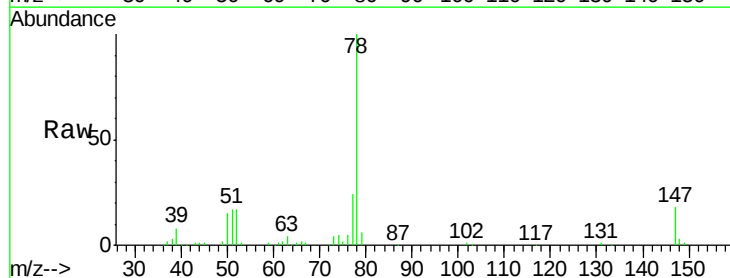
Manual Integrations
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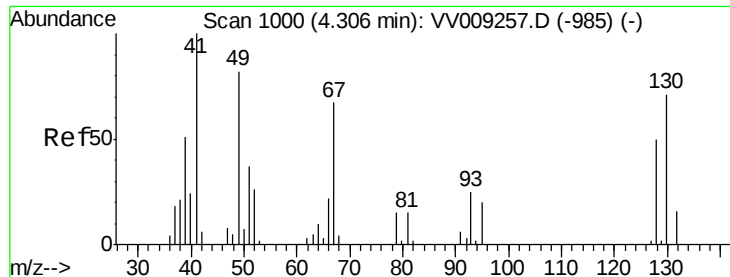
MMDadoda
1/25/2019 10:01:53 AM



#40
Benzene
Concen: 20.846 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





#41

Methacrylonitrile

Concen: 23.007 ug/l

RT: 4.31 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 41 Resp: 8449

Ion Ratio Lower Upper

41 100

39 53.5 42.3 63.5

67 74.0 57.4 86.2

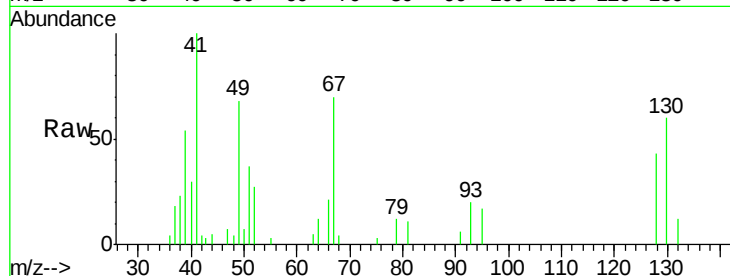
52 29.7 26.7 40.1

Manual Integrations

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MMDadoda

1/25/2019 10:01:53 AM

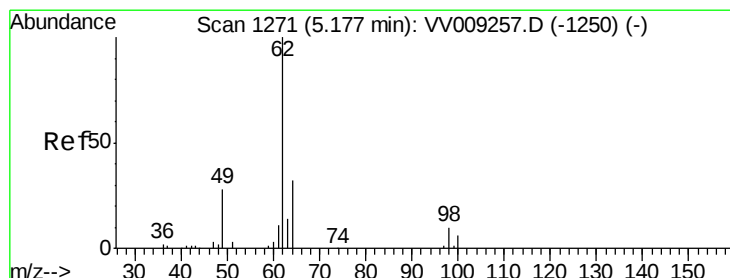
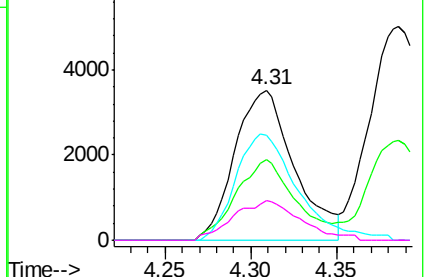
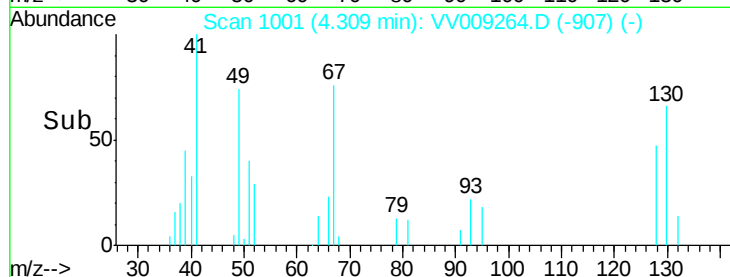


Abundance Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

Ion 67.00 (66.70 to 67.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#42

1,2-Dichloroethane

Concen: 21.999 ug/l

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV009264.D

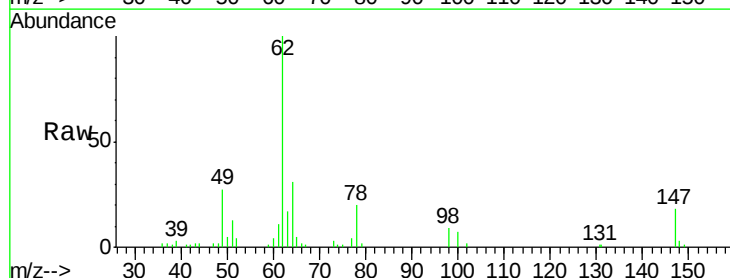
Acq: 24 Jan 2019 17:58

Tgt Ion: 62 Resp: 25403

Ion Ratio Lower Upper

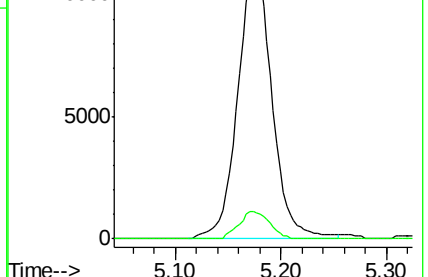
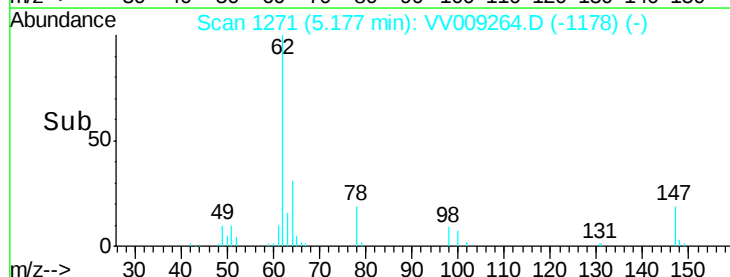
62 100

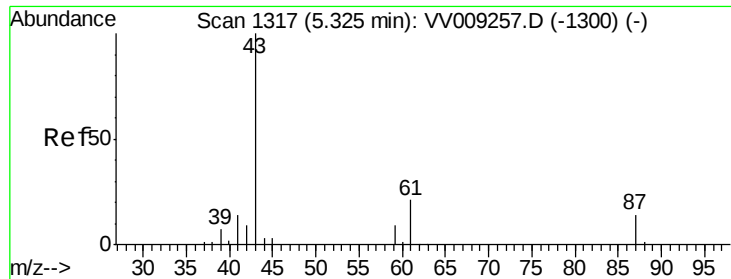
98 8.8 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 97.90 (97.60 to 98.60): VV0





#43

Isopropyl Acetate

Concen: 23.249 ug/l

RT: 5.33 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

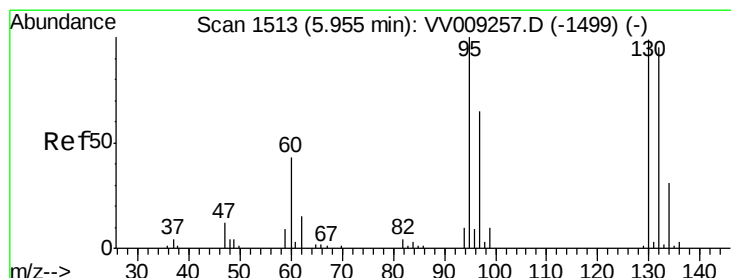
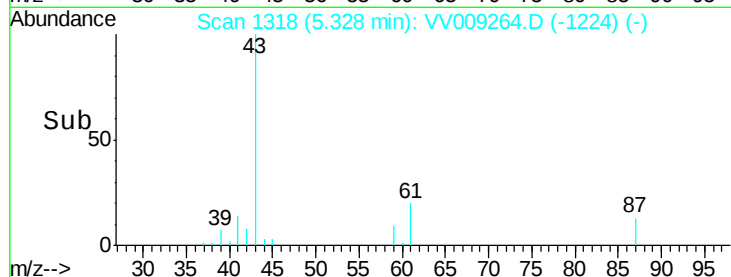
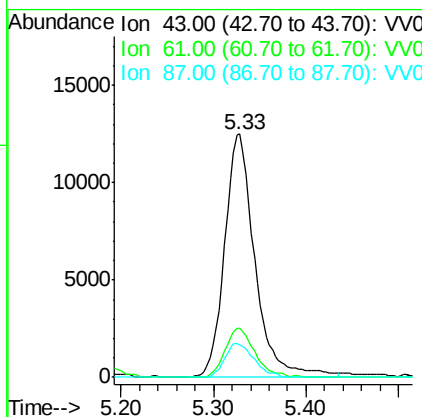
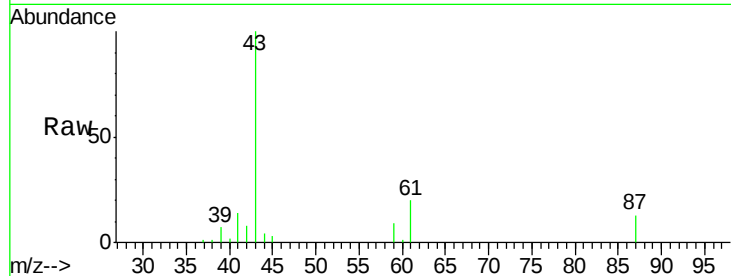
ClientSampleId :

VV0124SBS01

Tot Ion:	43	Resp:	28389
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.6
87	13.2	10.1	15.1

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#44

Trichloroethene

Concen: 20.845 ug/l

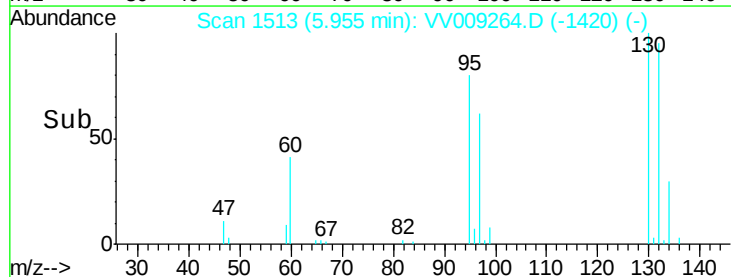
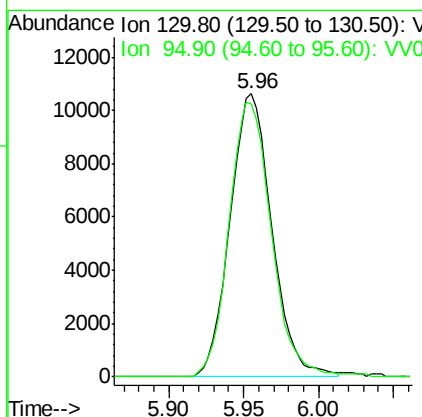
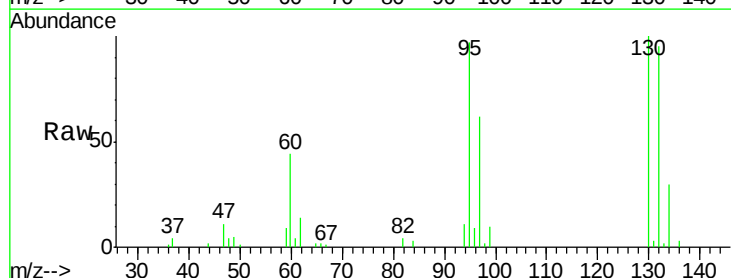
RT: 5.96 min Scan# 1513

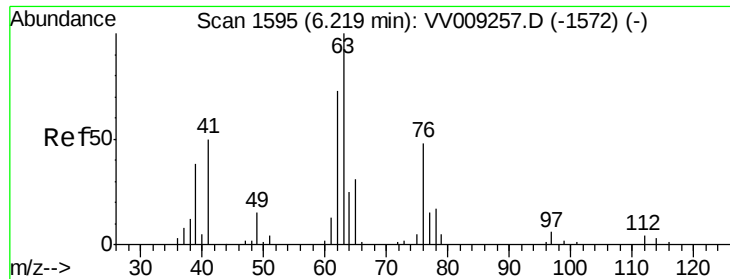
Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	130	Resp:	20659
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	201.4





#45

1,2-Dichloropropane

Concen: 20.453 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 63 Resp: 18698

Ion Ratio Lower Upper

63 100

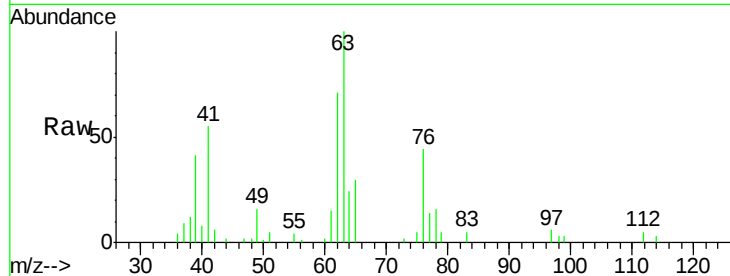
65 30.9 25.4 38.2

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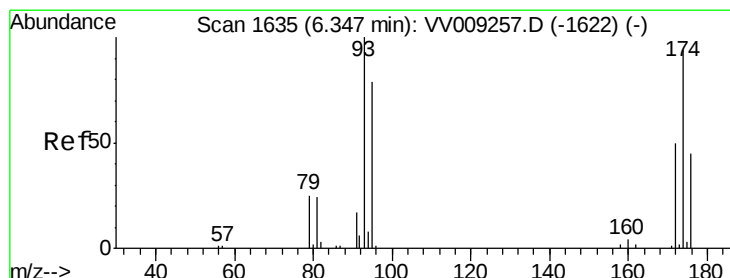
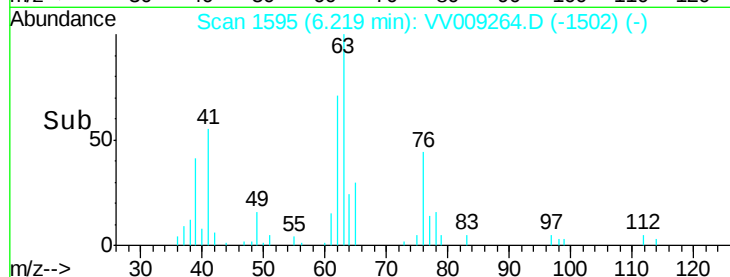
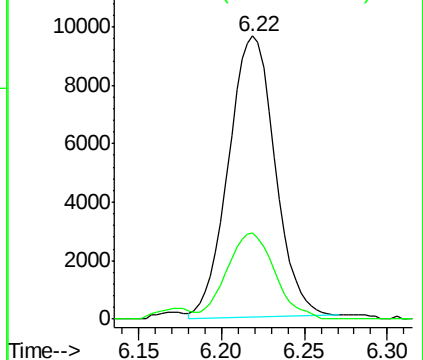
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Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 64.90 (64.60 to 65.60): VV0



#46

Dibromomethane

Concen: 22.161 ug/l

RT: 6.35 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

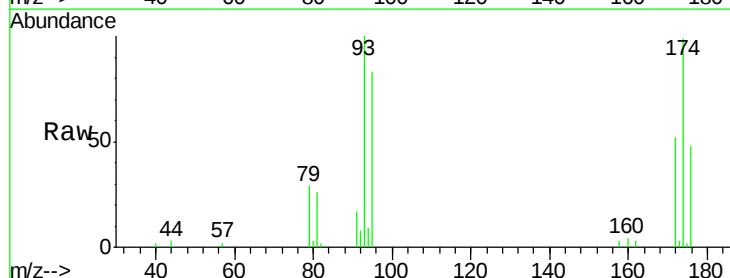
Tgt Ion: 93 Resp: 11350

Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

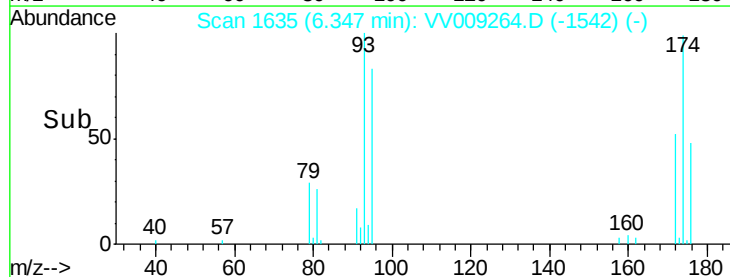
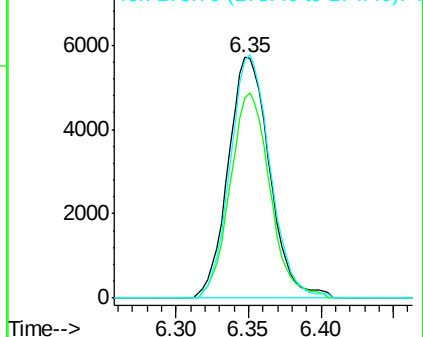
174 97.3 77.0 115.4

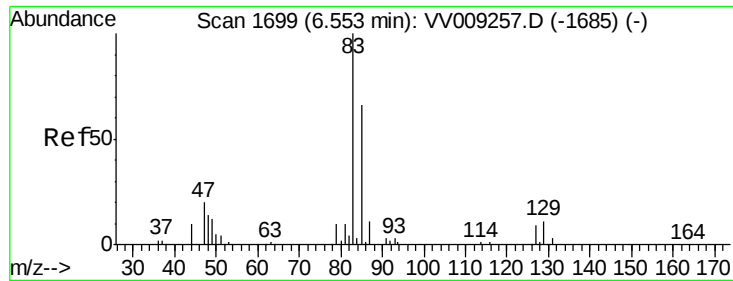


Abundance Ion 92.80 (92.50 to 93.50): VV0

Ion 94.80 (94.50 to 95.50): VV0

Ion 173.70 (173.40 to 174.40): V





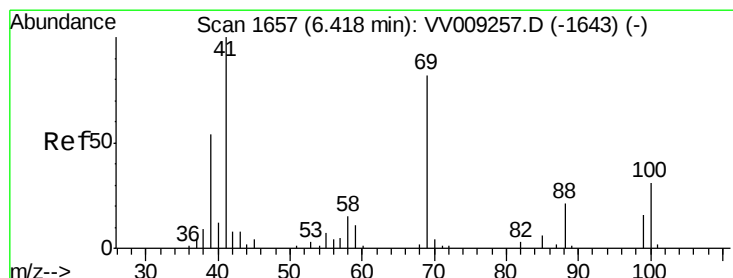
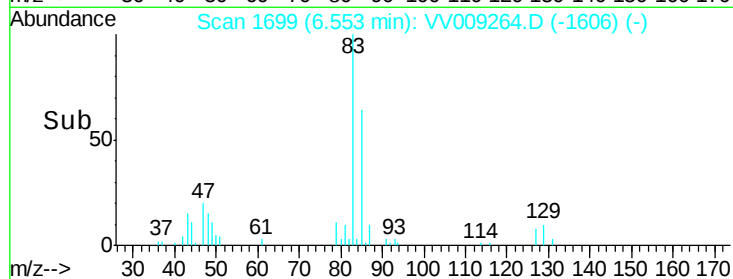
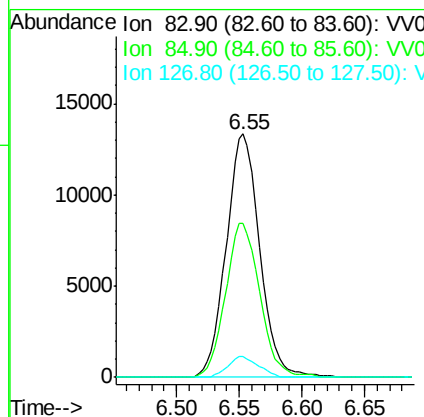
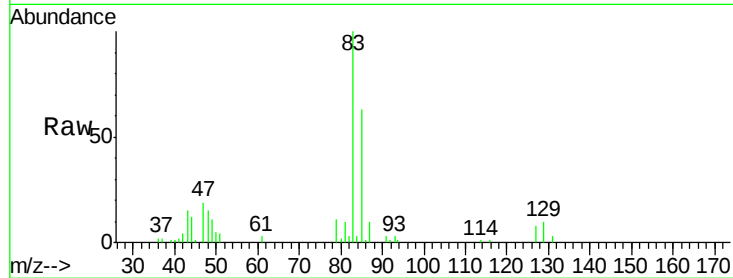
#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 6.55 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	83	Resp	24801
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0
127	8.4	7.0	10.6

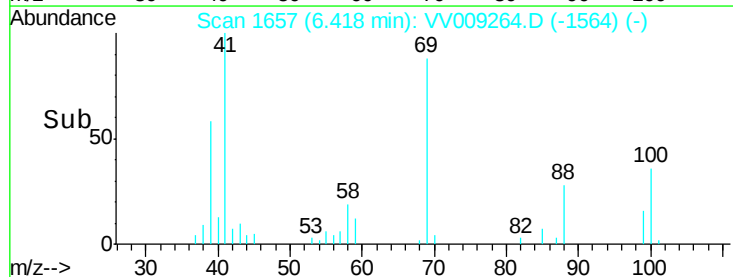
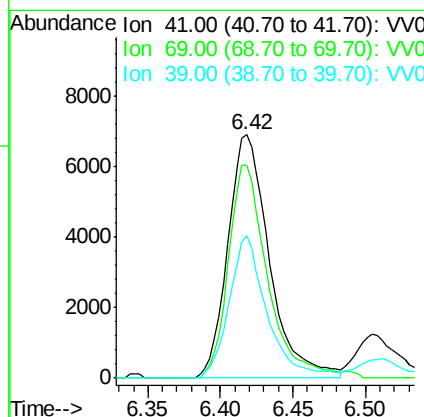
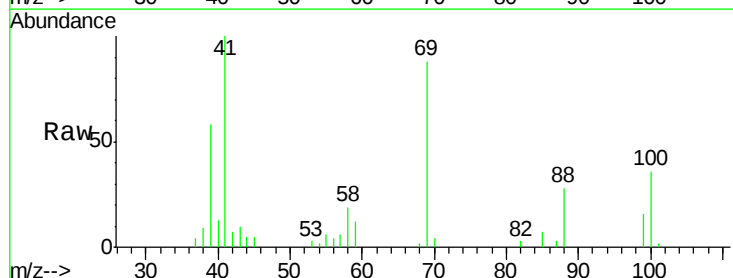
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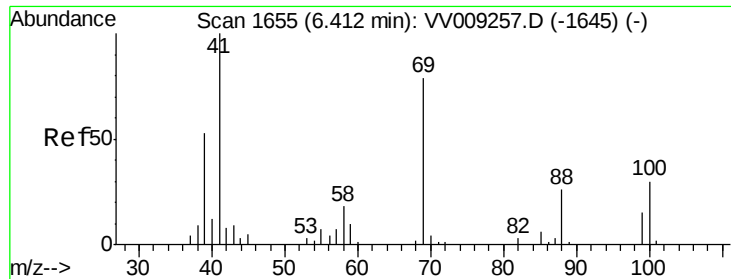
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#48
Methyl methacrylate
Concen: 22.576 ug/l
RT: 6.42 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	41	Resp	13675
Ion	Ratio	Lower	Upper
41	100		
69	82.3	68.6	103.0
39	53.3	43.2	64.8





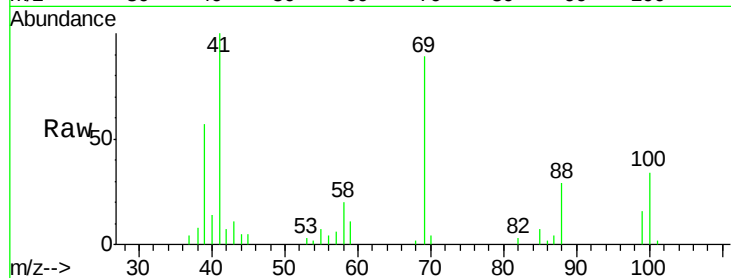
#49
1,4-Dioxane
Concen: 468.365 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.3	42.5
58	72.1	50.0	75.0

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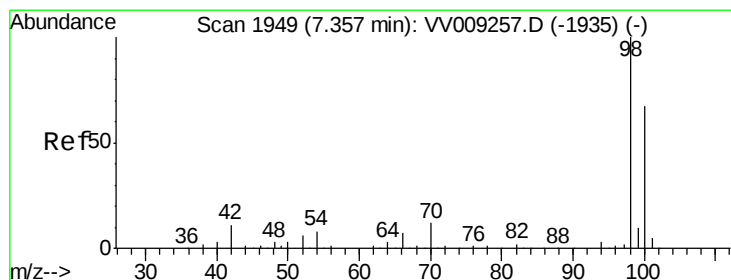
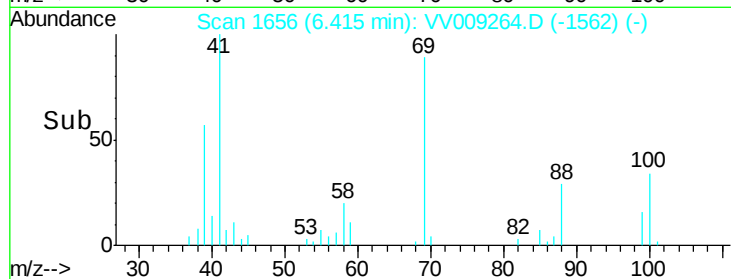
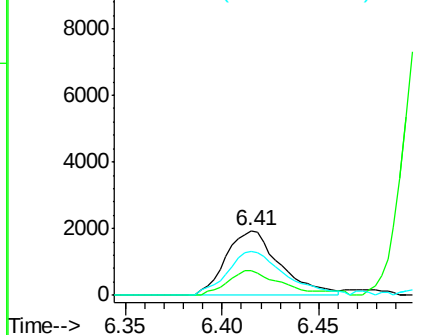


Abundance

Ion 88.00 (87.70 to 88.70): VV009257.D (-1645) (-)

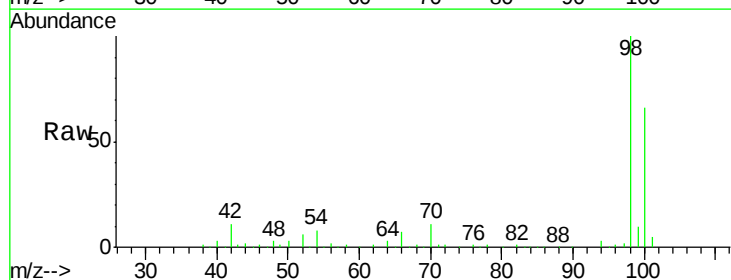
Ion 43.00 (42.70 to 43.70): VV009257.D (-1645) (-)

Ion 58.00 (57.70 to 58.70): VV009257.D (-1645) (-)



#50
Toluene-d8
Concen: 52.791 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

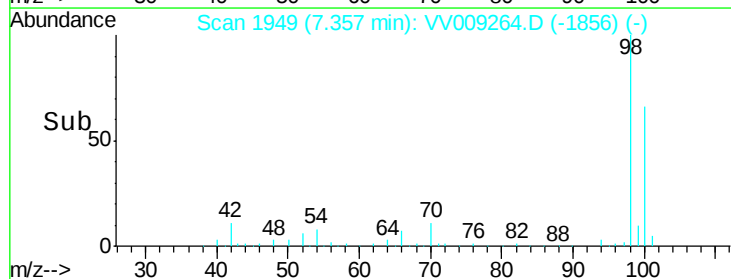
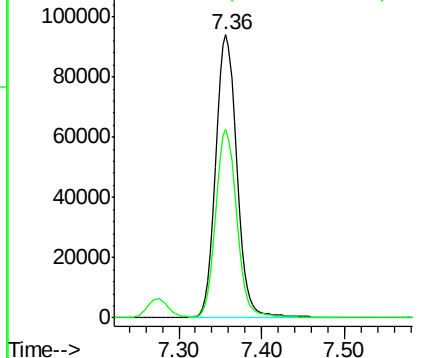
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.2	79.8

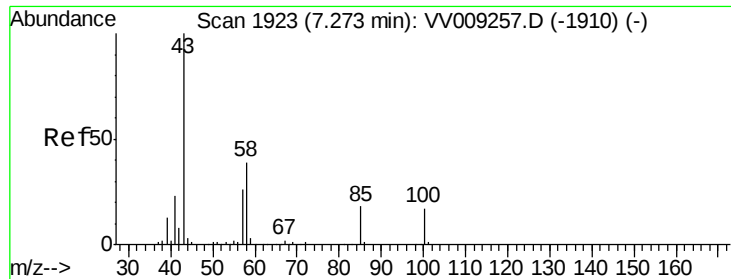


Abundance

Ion 98.00 (97.70 to 98.70): VV009257.D (-1935) (-)

Ion 100.00 (99.70 to 100.70): VV009257.D (-1935) (-)





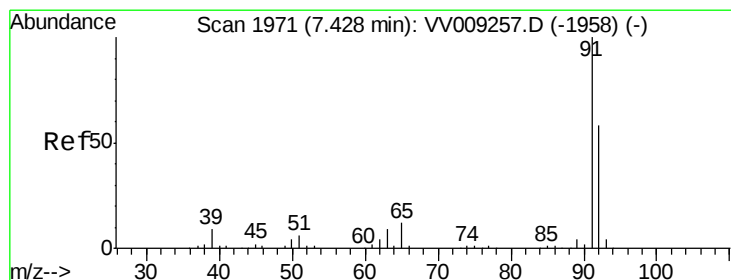
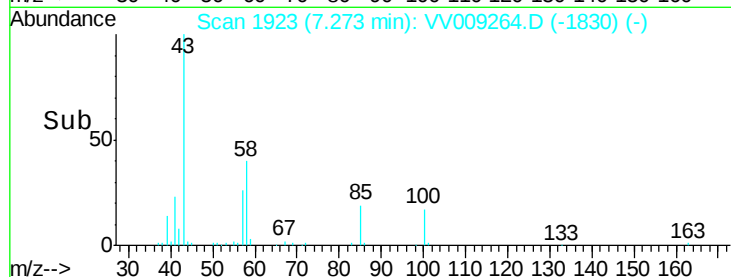
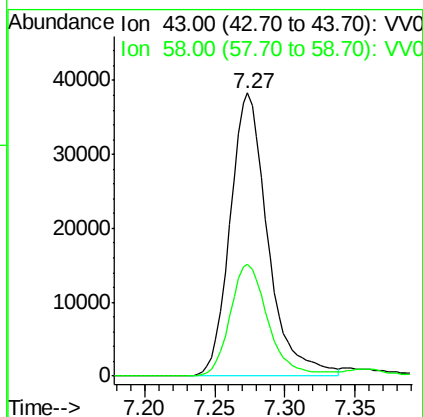
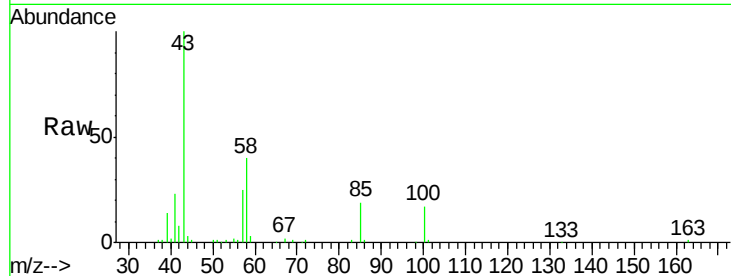
#51
4-Methyl-2-Pentanone
Concen: 111.565 ug/l
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion: 43 Resp: 71695
Ion Ratio Lower Upper
43 100
58 39.8 30.5 45.7

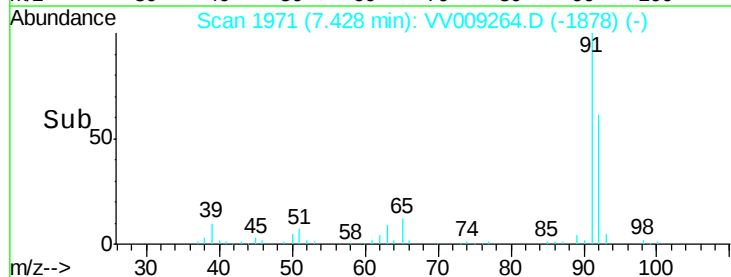
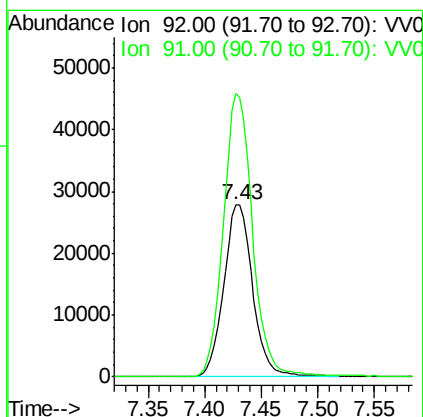
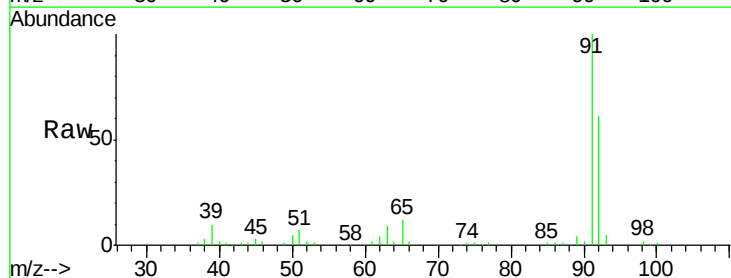
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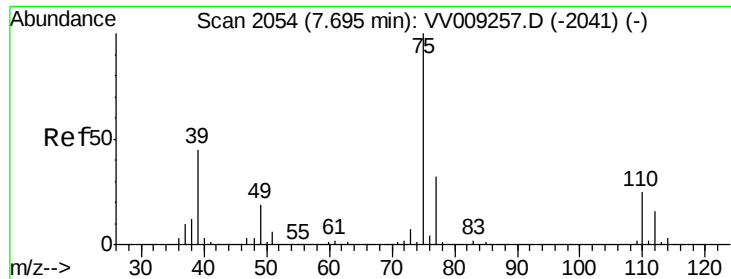
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#52
Toluene
Concen: 21.132 ug/l
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion: 92 Resp: 49556
Ion Ratio Lower Upper
92 100
91 166.7 137.2 205.8





#53

t-1,3-Dichloropropene

Concen: 21.027 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 75 Resp: 25617

Ion Ratio Lower Upper

75 100

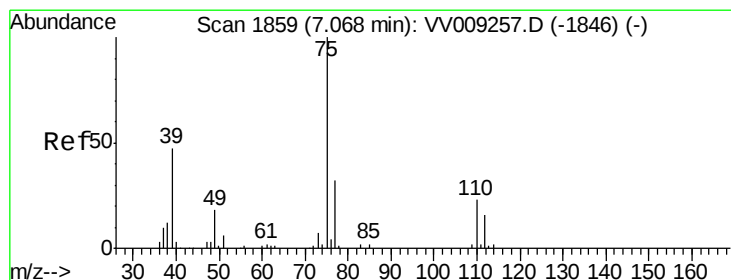
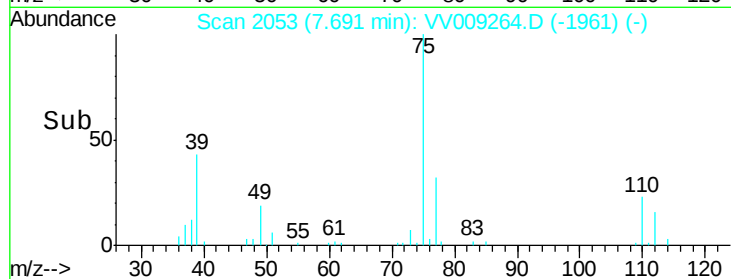
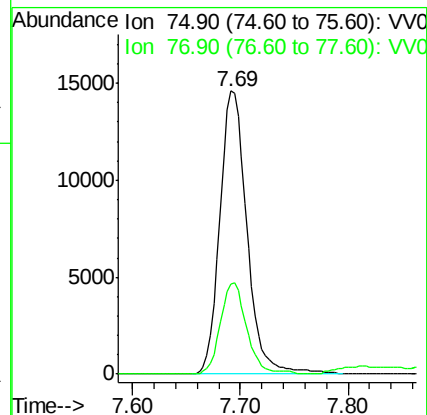
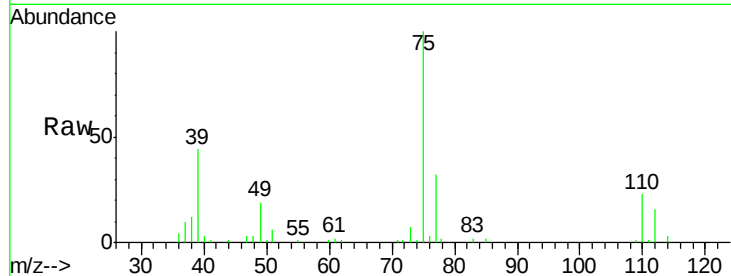
77 31.8 25.9 38.9

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#54

cis-1,3-Dichloropropene

Concen: 20.659 ug/l

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

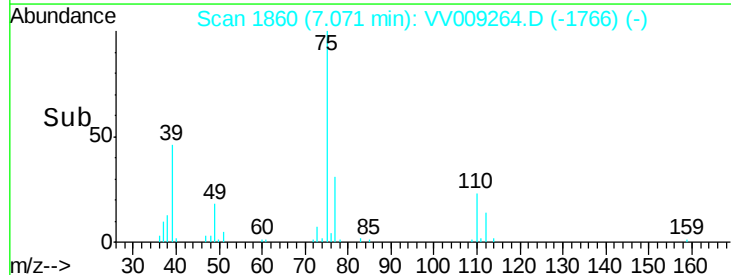
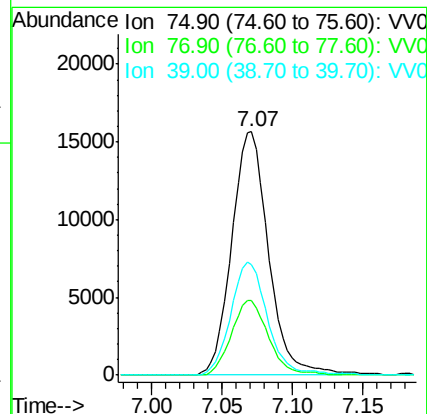
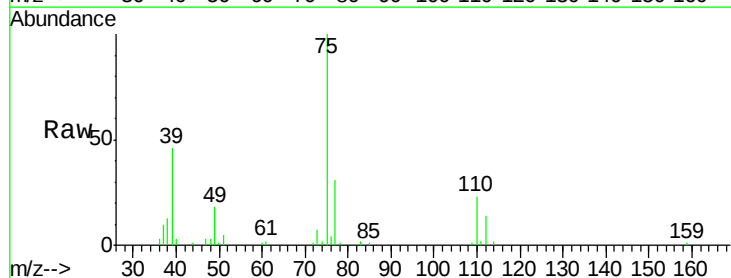
Tgt Ion: 75 Resp: 28553

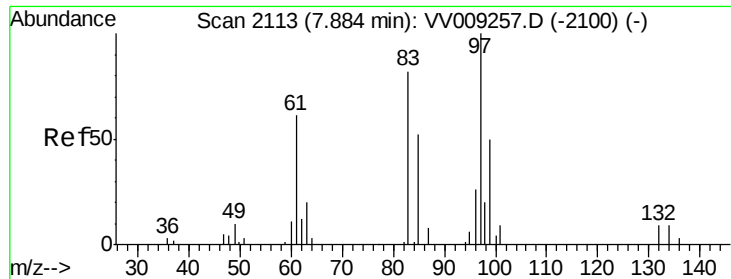
Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.6

39 45.6 38.0 57.0





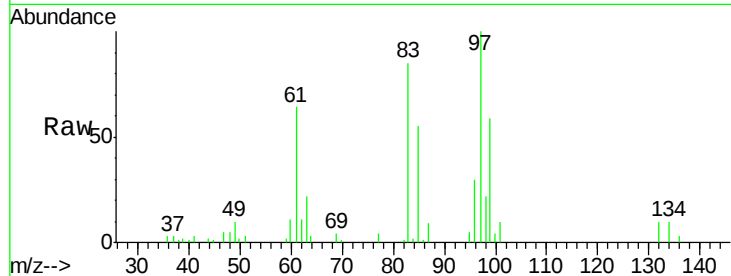
#55
1,1,2-Trichloroethane
Concen: 21.979 ug/l
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	97	Resp:	15696
Ion Ratio	Lower	Upper	
97	100		
83	85.5	65.6	98.4
85	54.7	41.8	62.8
99	59.1	49.8	74.8

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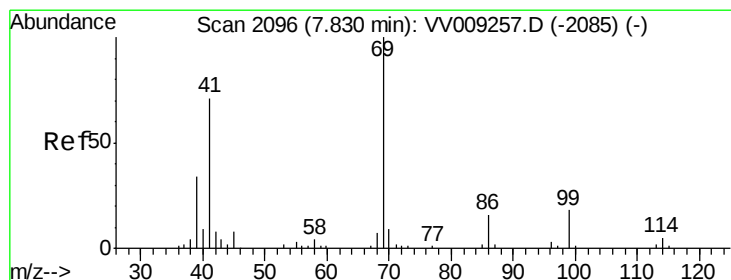
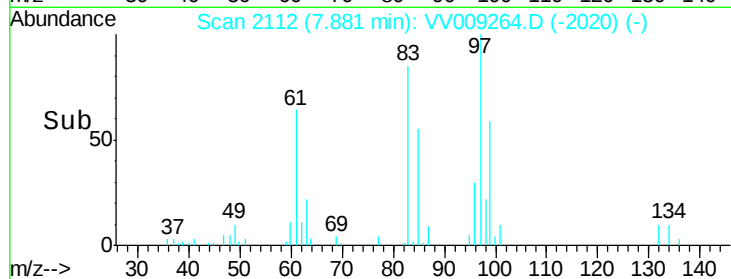
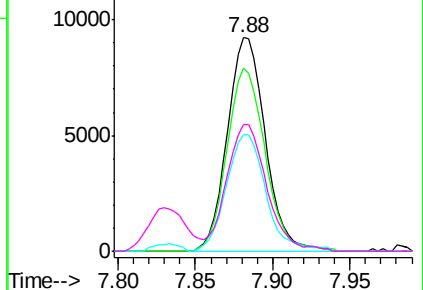


Abundance Ion 96.90 (96.60 to 97.60): VV0

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



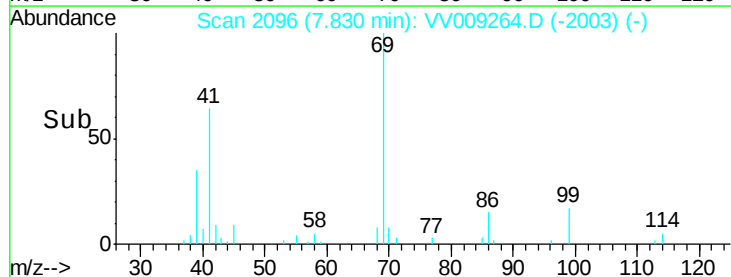
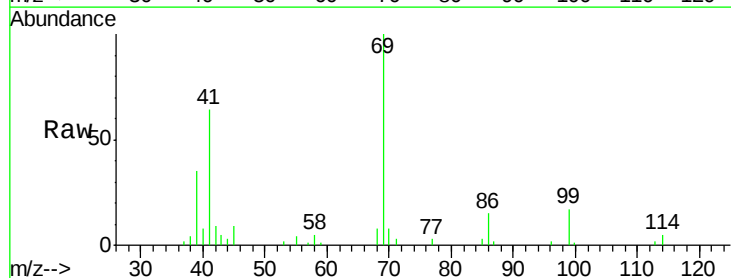
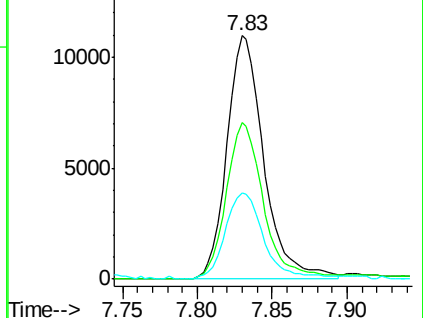
#56
Ethyl methacrylate
Concen: 21.818 ug/l
RT: 7.83 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

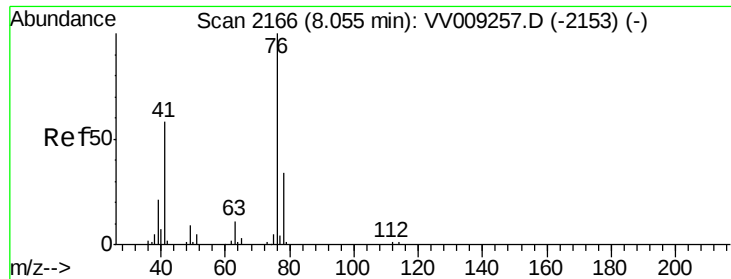
Tgt Ion	69	Resp:	18825
Ion Ratio	Lower	Upper	
69	100		
41	64.8	54.6	81.8
39	37.3	27.0	40.4

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: 22.420 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 76 Resp: 28526

Ion Ratio Lower Upper

76 100

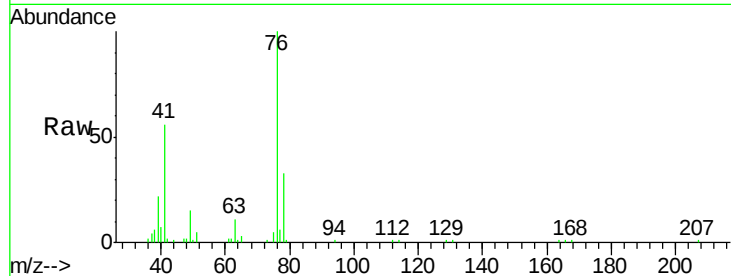
78 32.7 26.6 40.0

Manual Integrations

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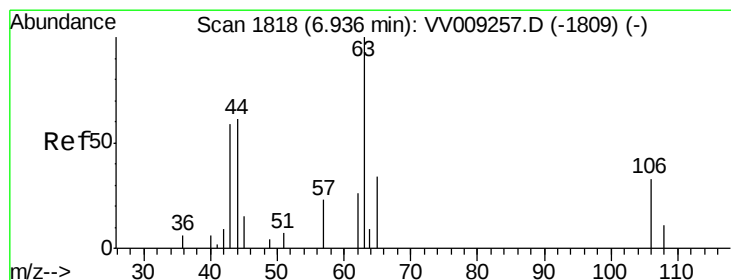
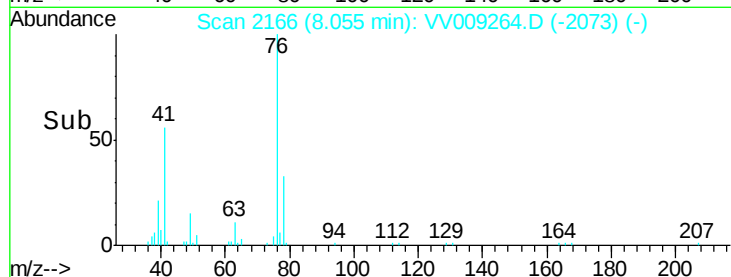
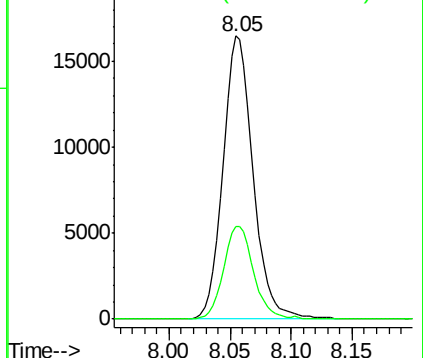
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Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0



#58

2-Chloroethyl Vinyl ether

Concen: 71.527 ug/l

RT: 6.94 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VV009264.D

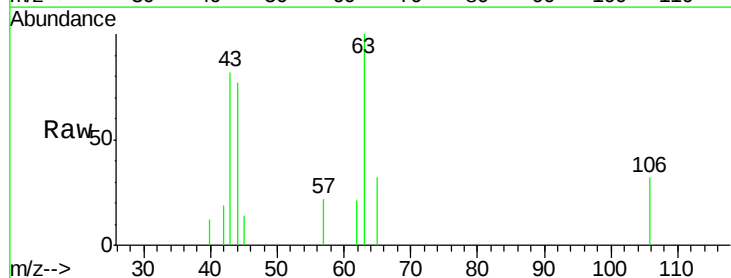
Acq: 24 Jan 2019 17:58

Tgt Ion: 63 Resp: 1633

Ion Ratio Lower Upper

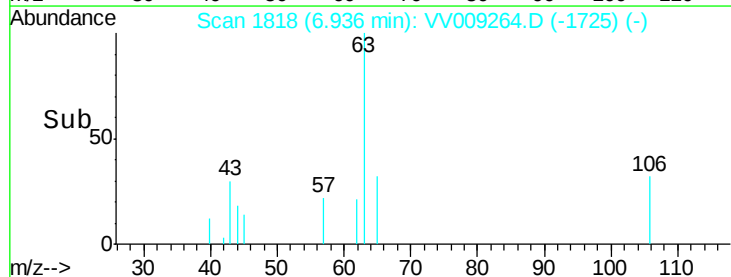
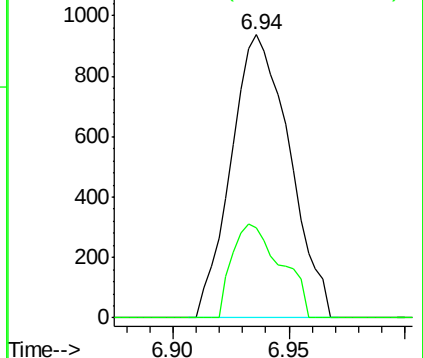
63 100

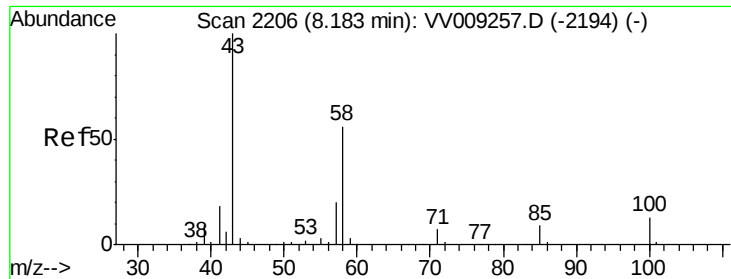
106 27.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 105.90 (105.60 to 106.60): V





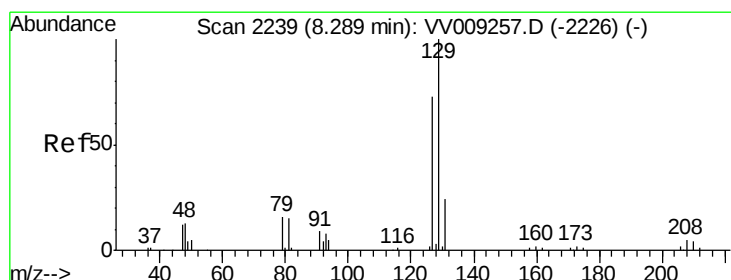
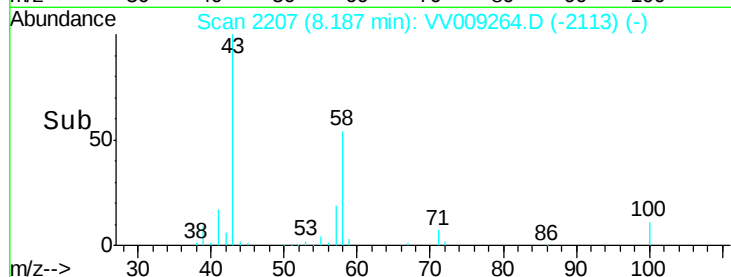
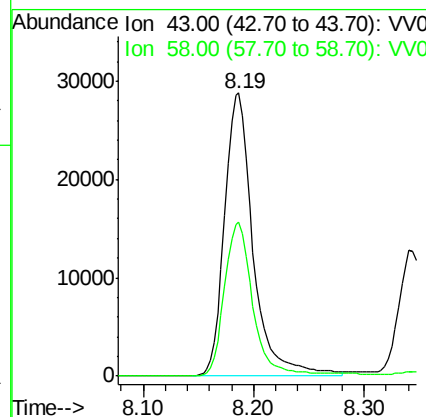
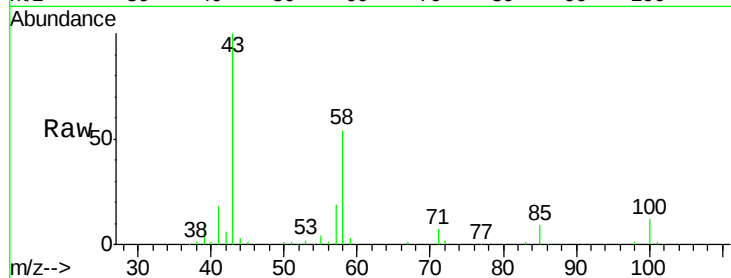
#59
2-Hexanone
Concen: 112.377 ug/l
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion: 43 Resp: 51916
Ion Ratio Lower Upper
43 100
58 53.8 27.9 83.7

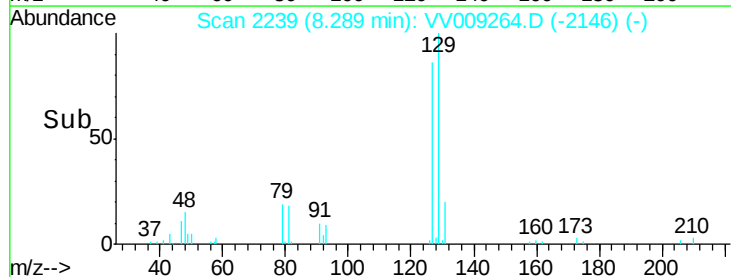
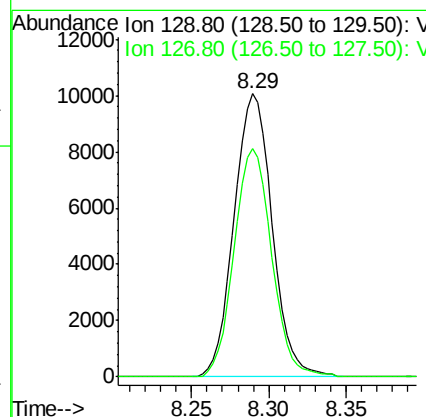
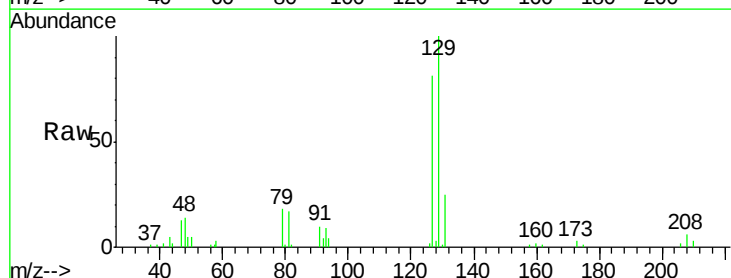
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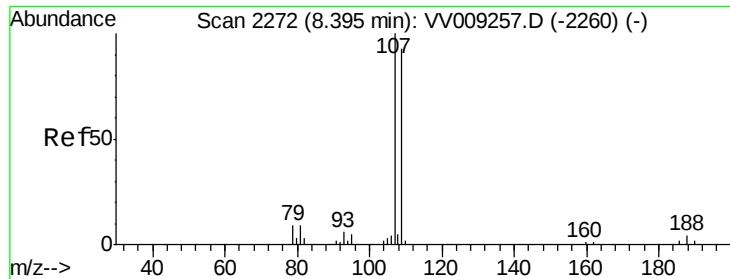
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1/25/2019 10:01:53 AM



#60
Dibromochloromethane
Concen: 21.128 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion: 129 Resp: 17247
Ion Ratio Lower Upper
129 100
127 79.3 37.9 113.6





#61

1,2-Dibromoethane

Concen: 22.651 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion:107 Resp: 16253

Ion Ratio Lower Upper

107 100

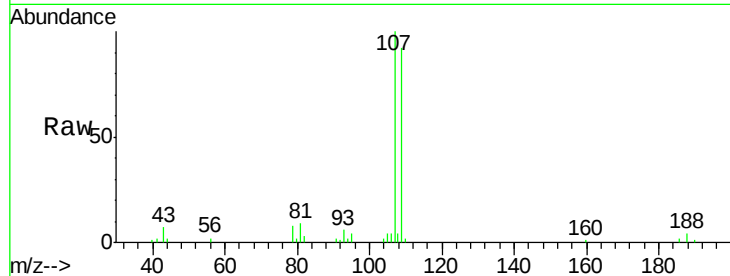
109 91.8 74.7 112.1

Manual Integrations

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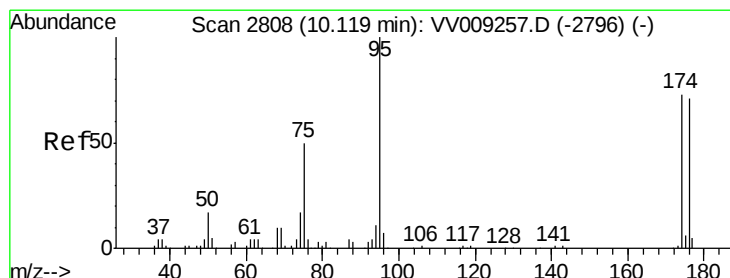
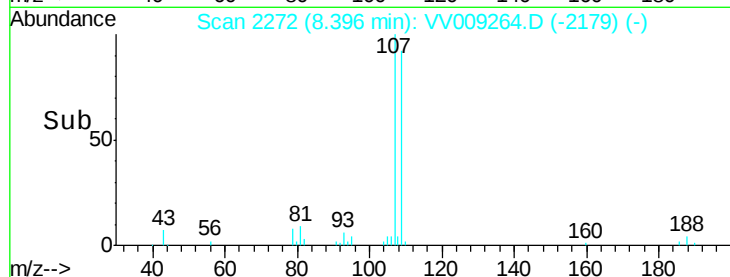
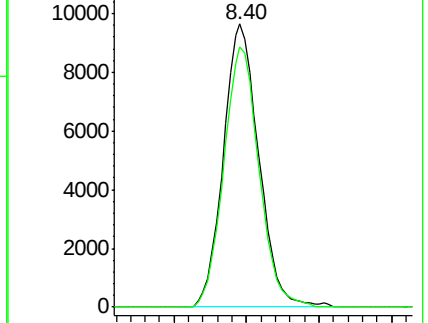
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.292 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

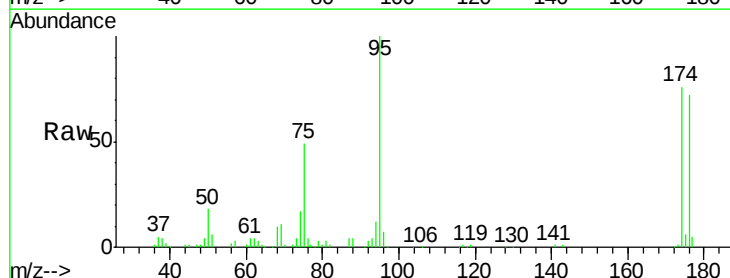
Tgt Ion: 95 Resp: 63802

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.0

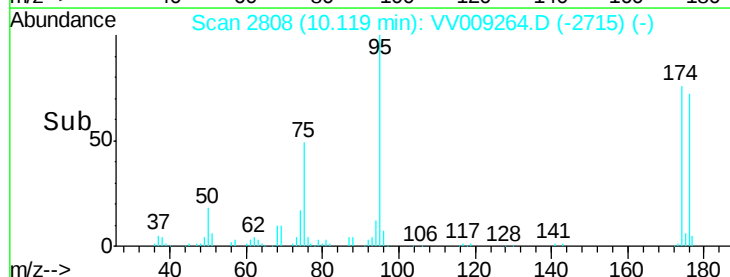
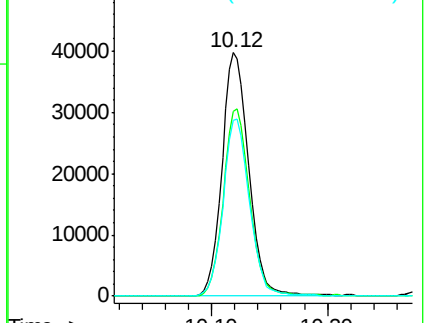
176 71.8 0.0 144.0

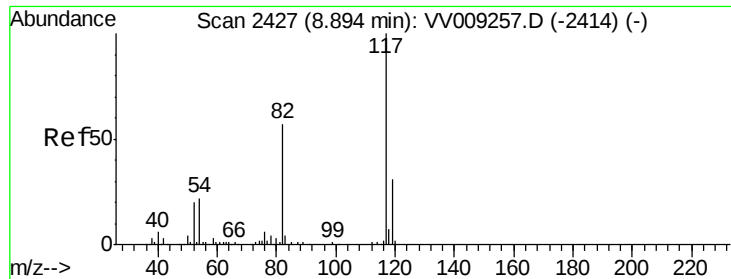


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





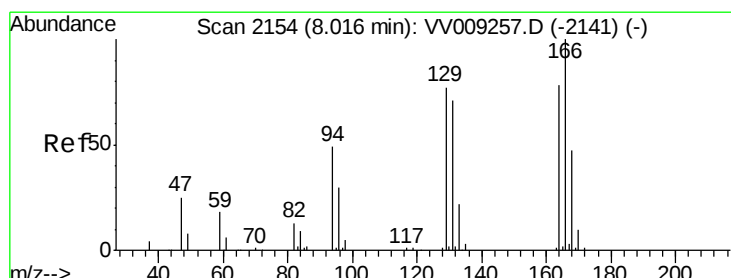
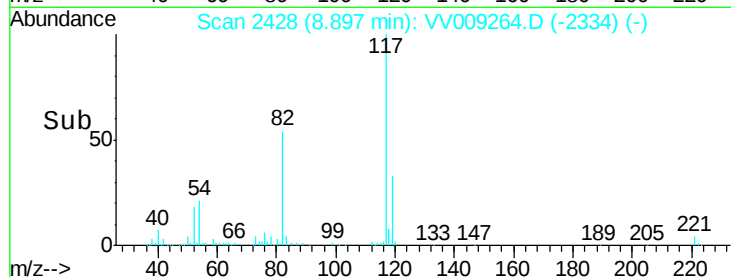
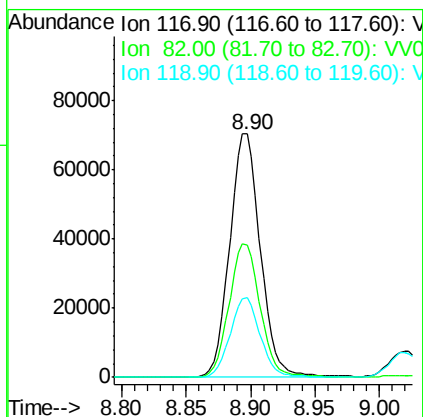
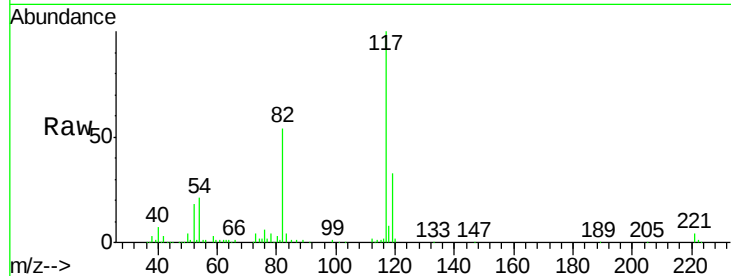
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.90 min Scan# 2428
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	116544		
82	54.5	45.8	68.6	
119	32.6	24.8	37.2	

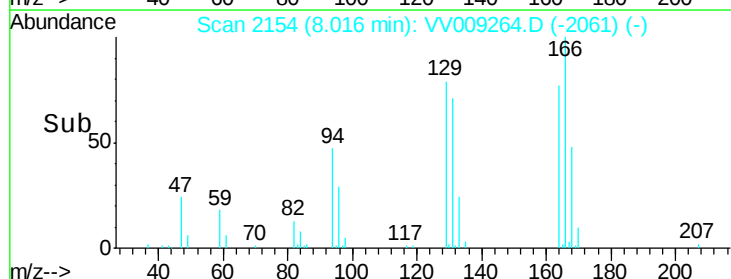
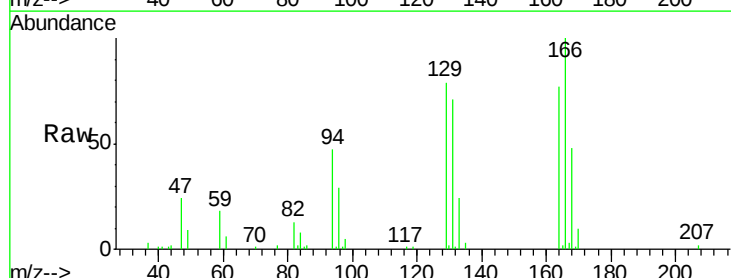
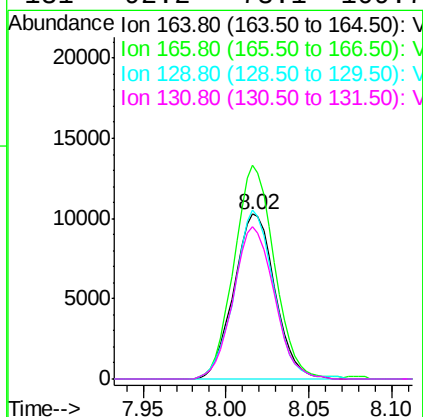
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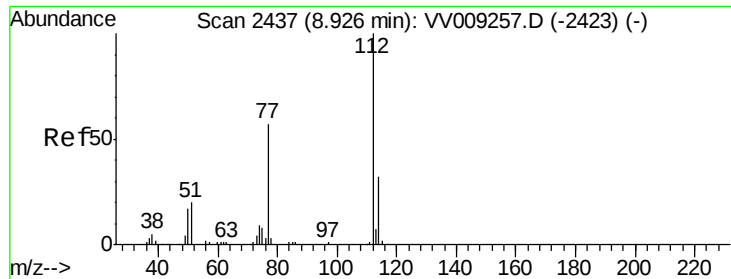
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#64
Tetrachloroethene
Concen: 22.127 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17781		
166	129.7	102.3	153.5	
129	102.7	78.6	117.8	
131	92.2	73.1	109.7	





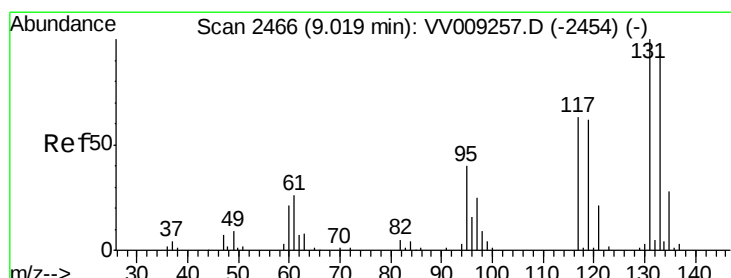
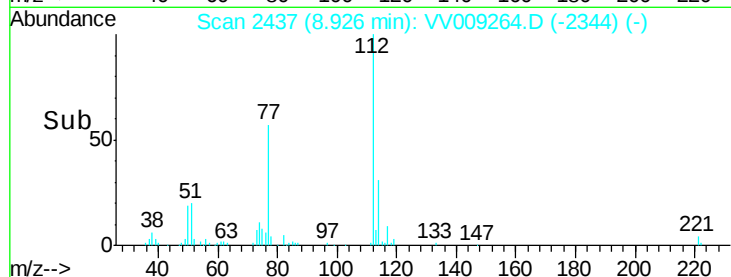
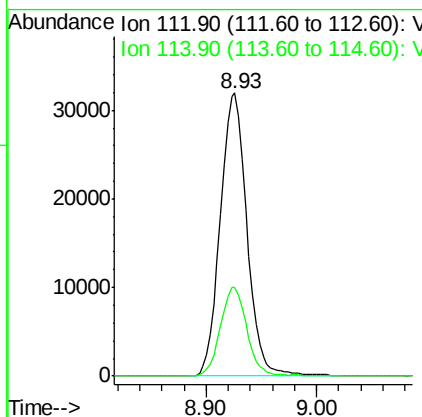
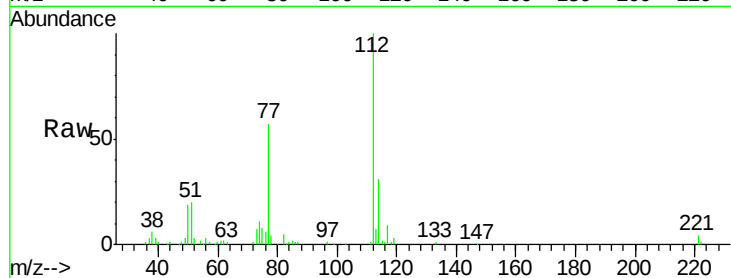
#65
Chlorobenzene
Concen: 20.432 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion:112 Resp: 53703
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

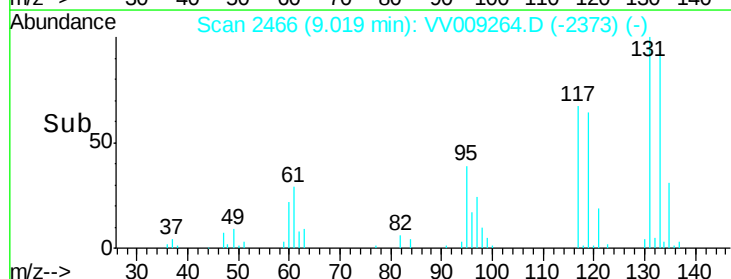
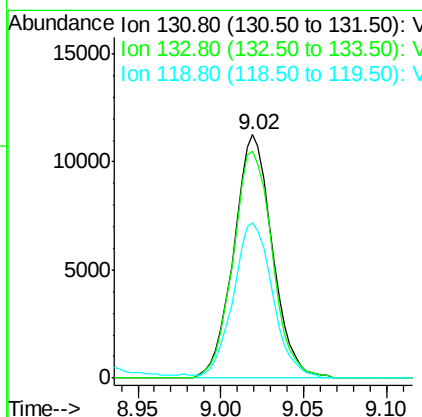
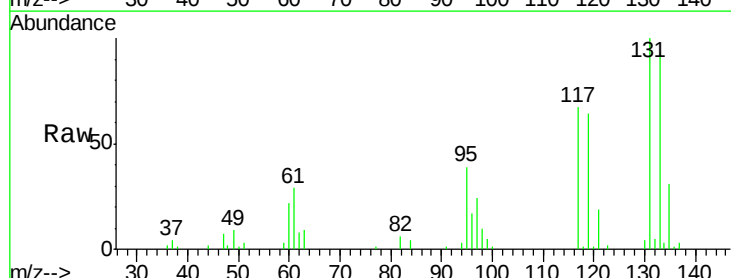
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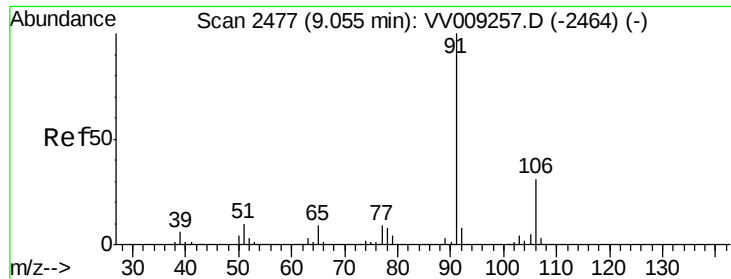
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.785 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion:131 Resp: 18241
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 65.4 32.4 97.2





#67

Ethyl Benzene

Concen: 20.261 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleID :

VV0124SBS01

Tot Ion: 91 Resp: 90348

Ion Ratio Lower Upper

91 100

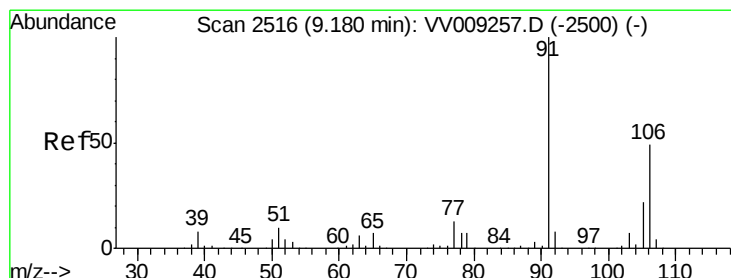
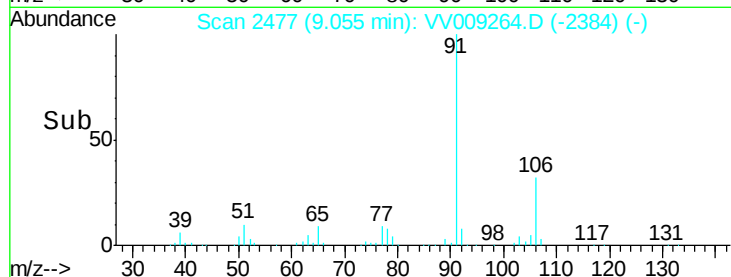
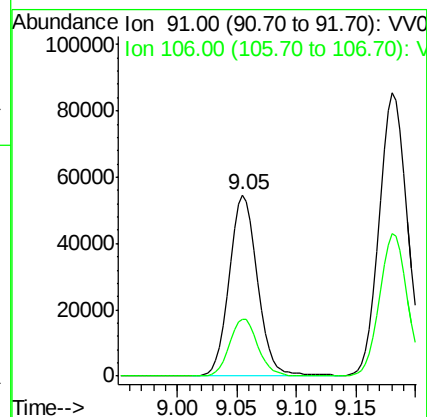
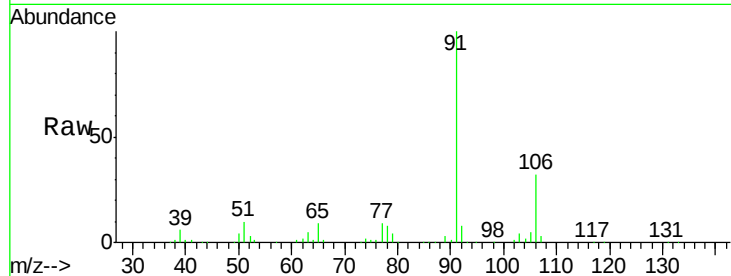
106 31.7 24.6 37.0

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#68

m/p-Xylenes

Concen: 41.759 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009264.D

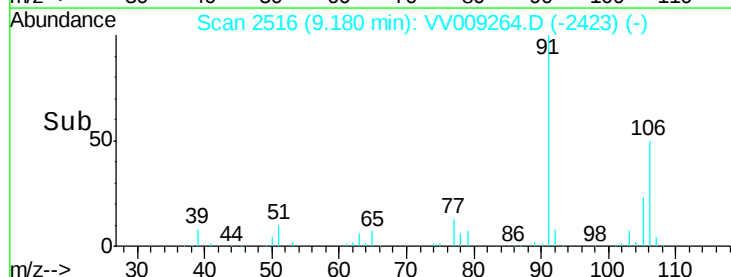
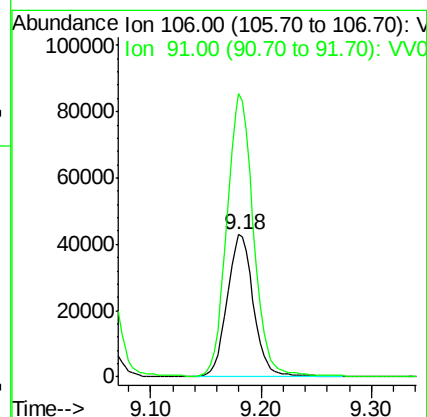
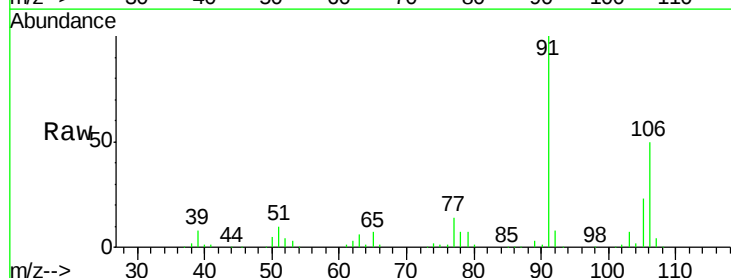
Acq: 24 Jan 2019 17:58

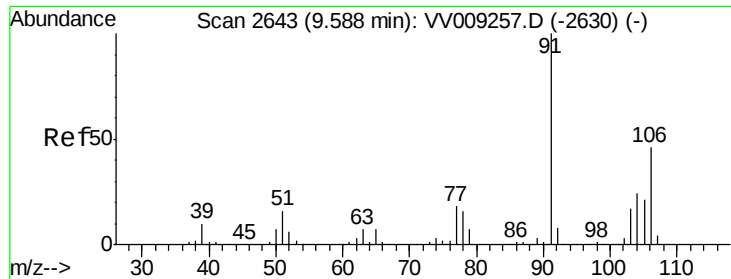
Tgt Ion: 106 Resp: 71430

Ion Ratio Lower Upper

106 100

91 198.4 161.9 242.9





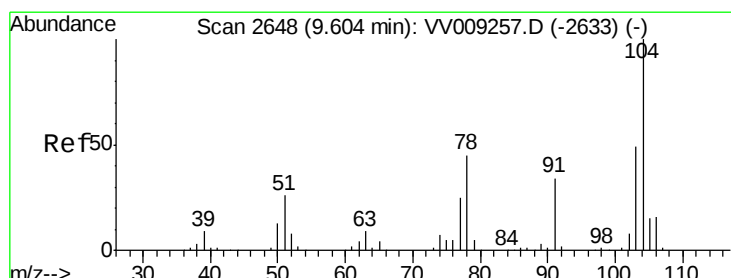
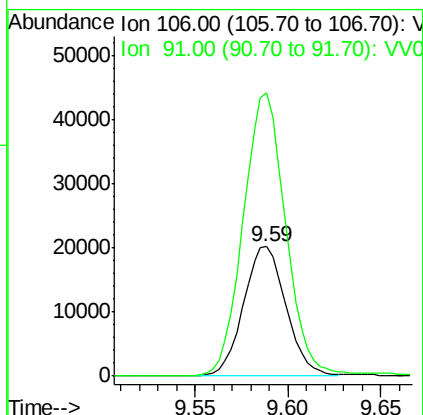
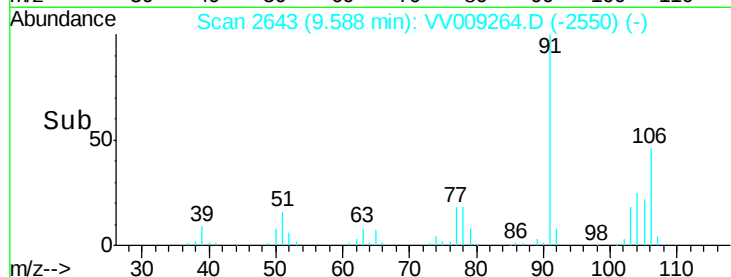
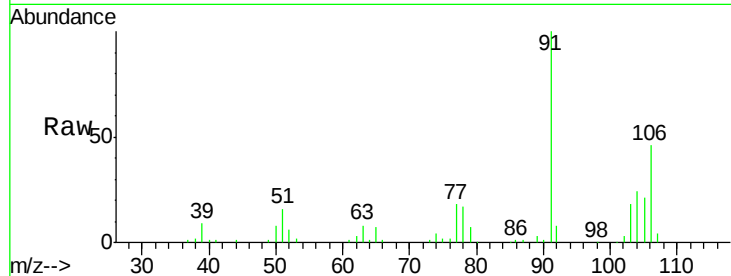
#69
o-Xylene
Concen: 20.128 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion:106 Resp: 32175
Ion Ratio Lower Upper
106 100
91 220.5 108.3 324.9

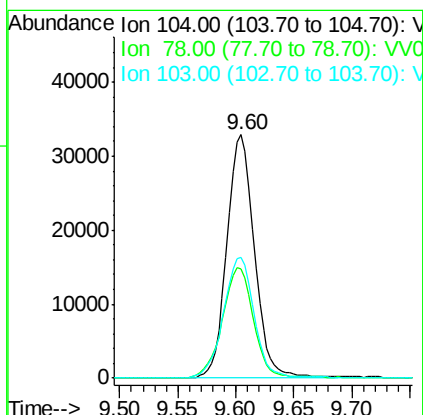
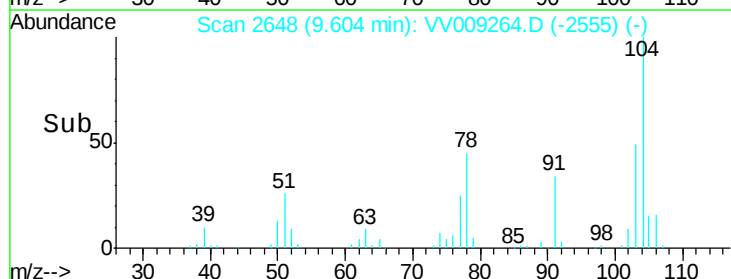
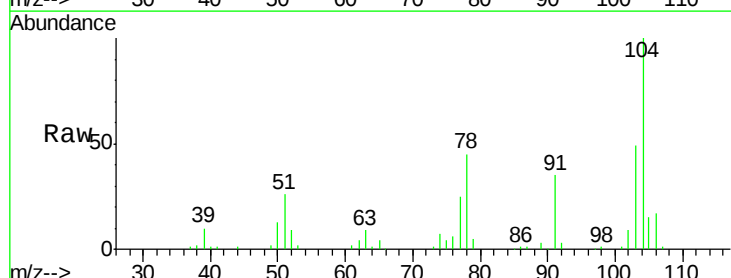
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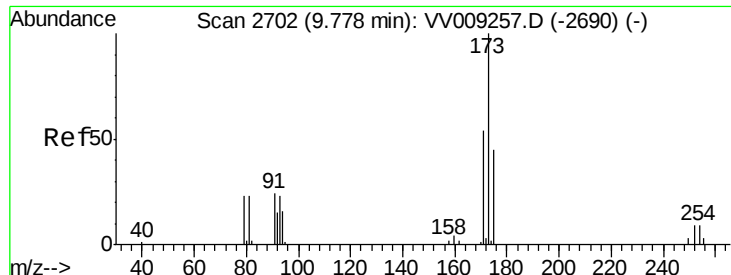
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#70
Styrene
Concen: 20.811 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion:104 Resp: 54173
Ion Ratio Lower Upper
104 100
78 51.1 40.6 60.8
103 54.8 43.3 64.9





#71

Bromoform

Concen: 21.869 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009264.D

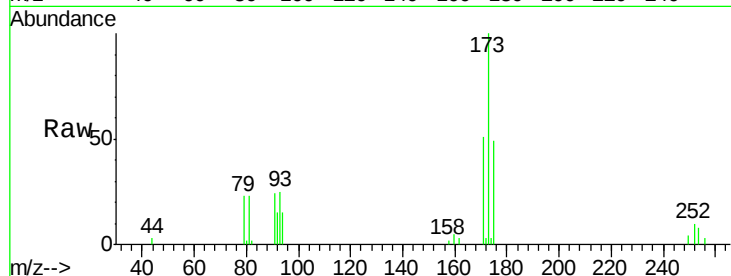
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

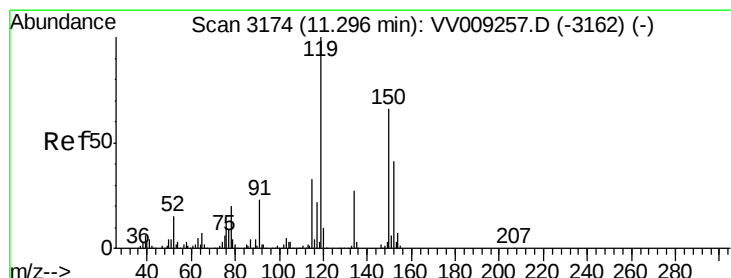
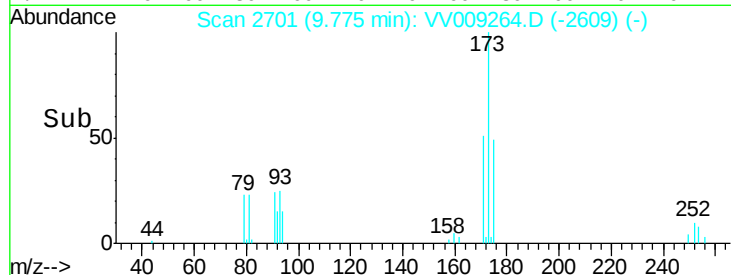
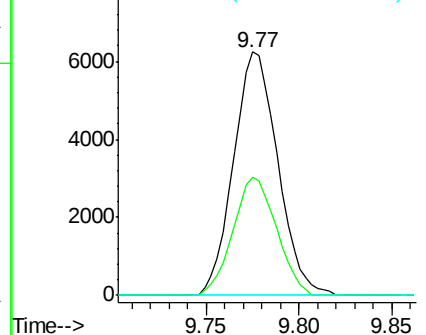
Tot Ion:	173	Resp:	10347
Ion Ratio	Lower	Upper	
173	100		
175	47.7	23.9	71.7
254	0.0	0.0	0.0

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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

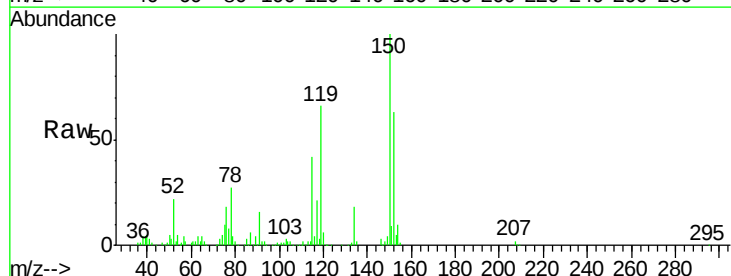
RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

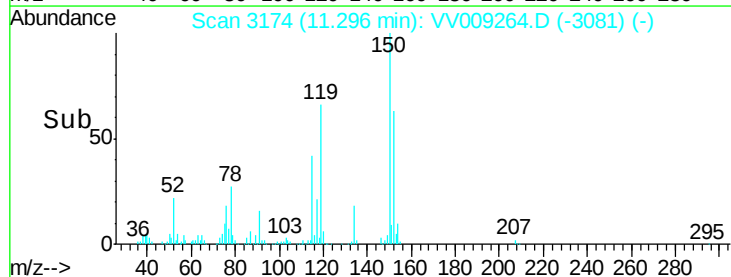
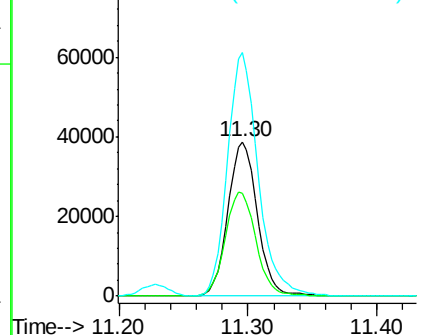
Lab File: VV009264.D

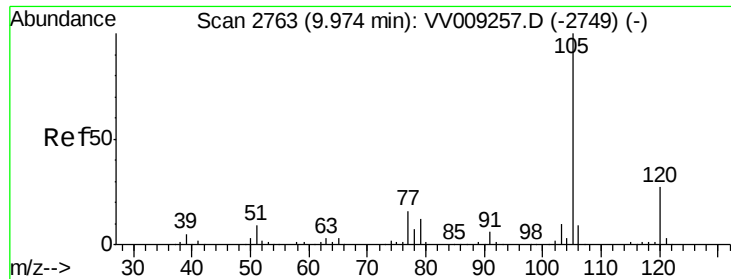
Acq: 24 Jan 2019 17:58

Tgt Ion:	152	Resp:	61355
Ion Ratio	Lower	Upper	
152	100		
115	70.5	43.0	128.8
150	164.4	0.0	352.0



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: 20.309 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion: 105 Resp: 92536

Ion Ratio Lower Upper

105 100

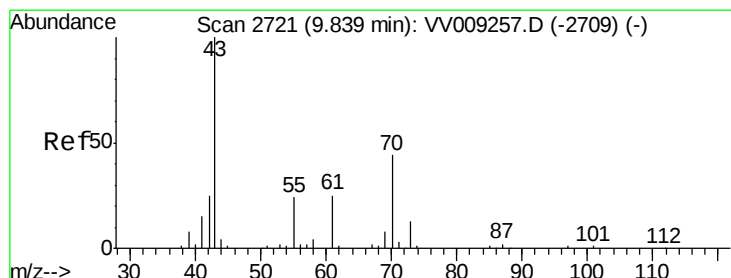
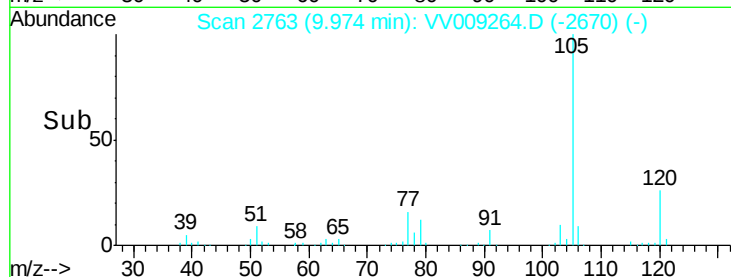
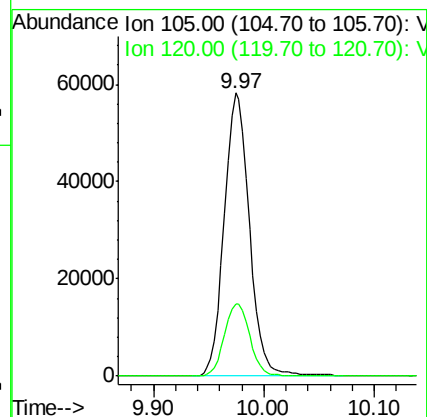
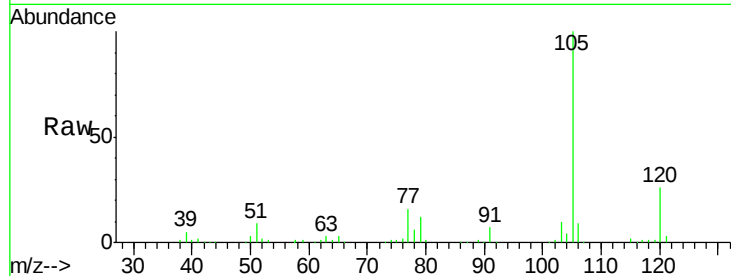
120 26.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.361 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion: 43 Resp: 22774

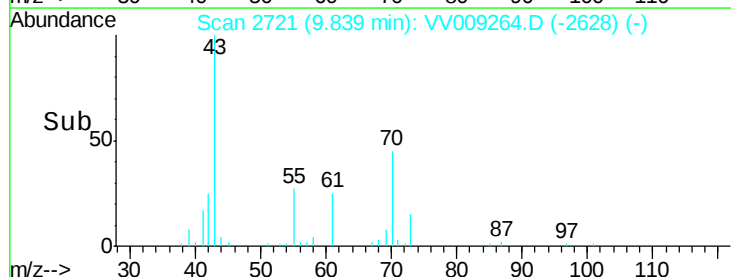
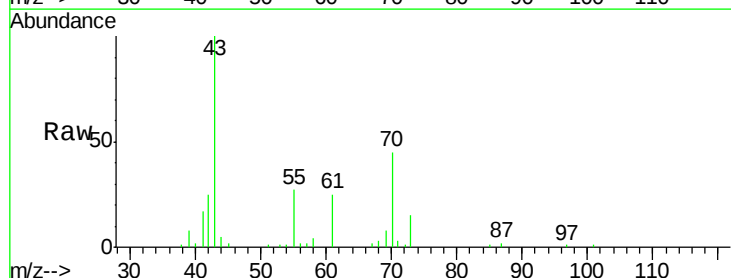
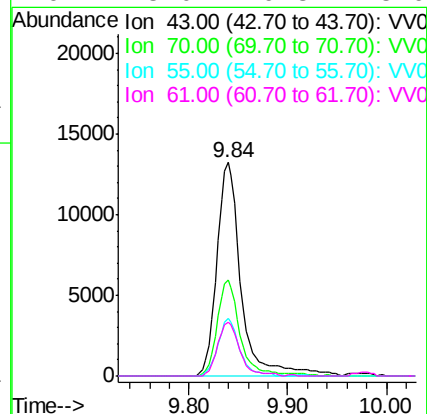
Ion Ratio Lower Upper

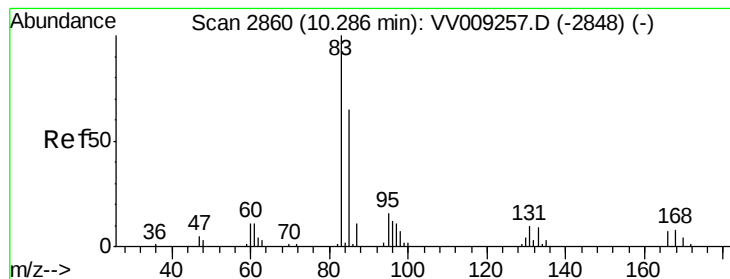
43 100

70 41.4 35.4 53.0

55 24.0 20.4 30.6

61 23.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.601 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

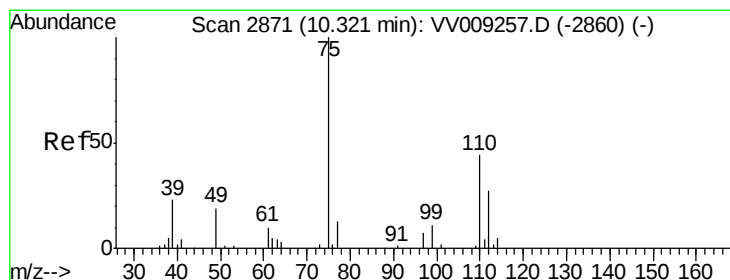
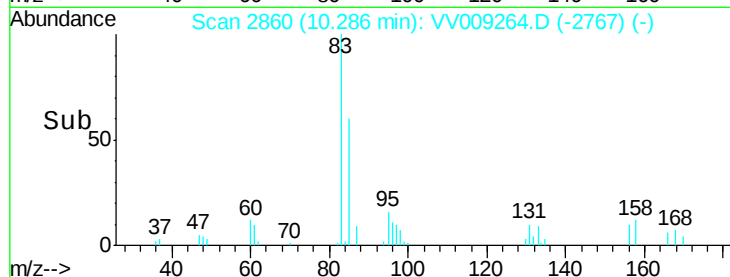
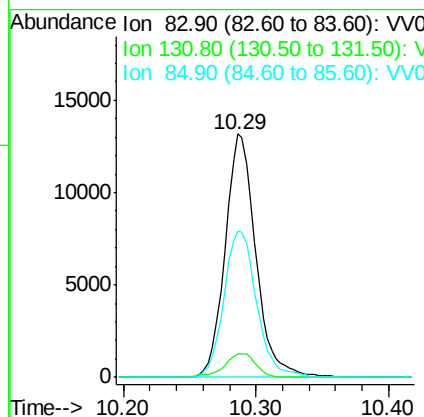
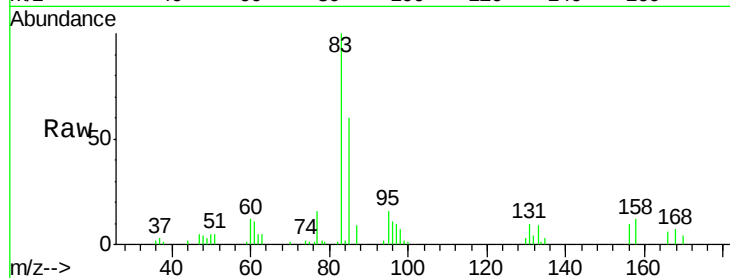
ClientSampleId :

VV0124SBS01

Tot Ion:	83	Resp:	21176
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	63.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 23.280 ug/l m

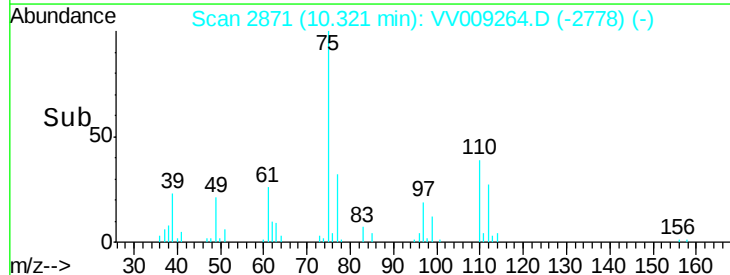
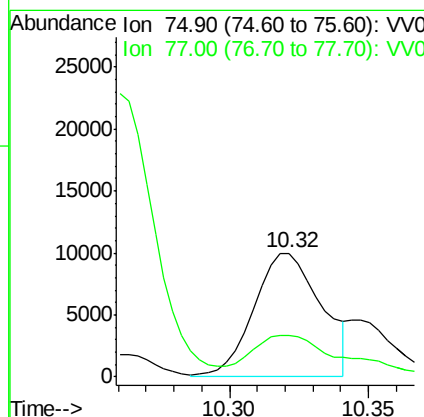
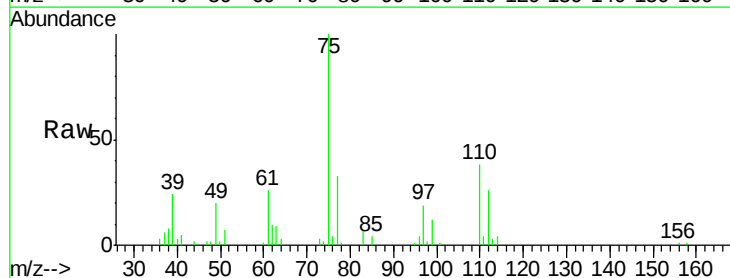
RT: 10.32 min Scan# 2871

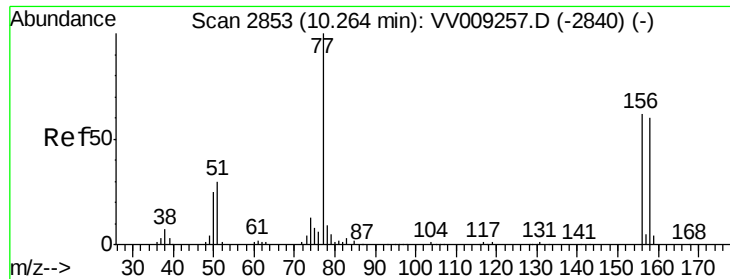
Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	75	Resp:	16860
Ion Ratio	Lower	Upper	
75	100		
77	46.9	6.2	18.4





#77

Bromobenzene

Concen: 20.493 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

ClientSampleId :

VV0124SBS01

Tot Ion:156 Resp: 21786

Ion Ratio Lower Upper

156 100

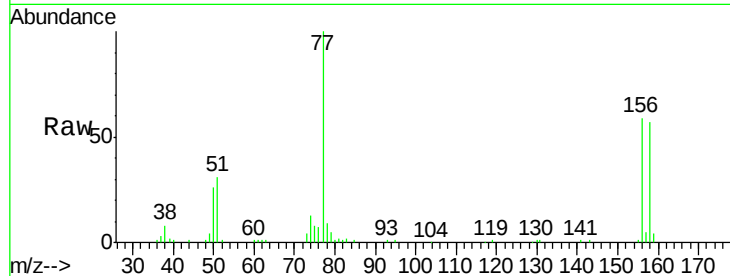
77 167.2 81.7 244.9

158 98.0 48.4 145.0

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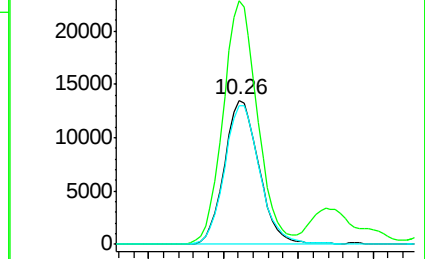
1/25/2019 10:01:53 AM



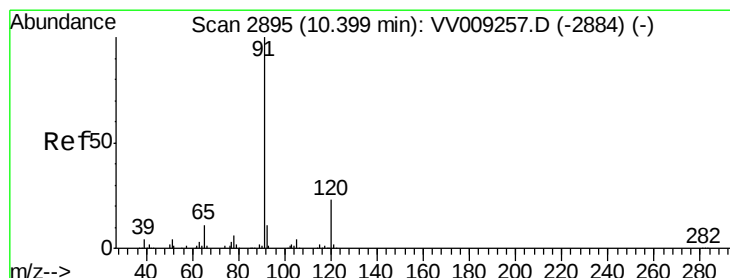
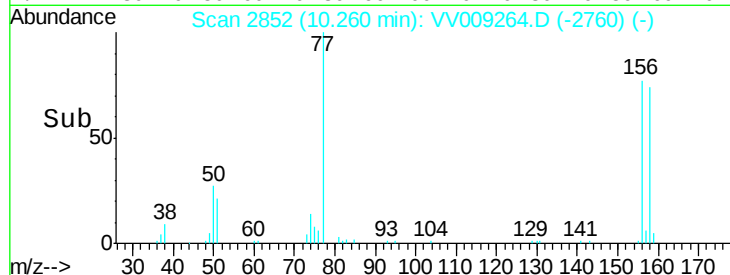
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.019 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009264.D

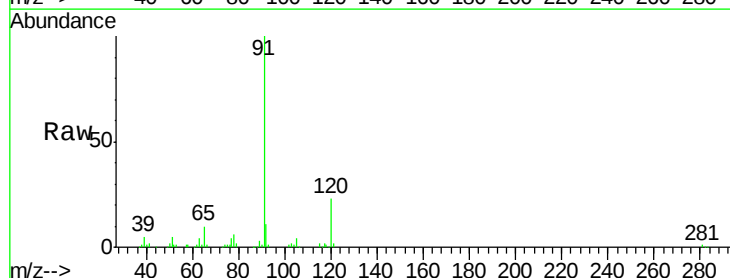
Acq: 24 Jan 2019 17:58

Tgt Ion: 91 Resp: 107918

Ion Ratio Lower Upper

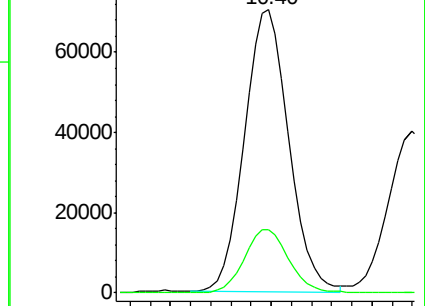
91 100

120 23.0 11.6 34.8

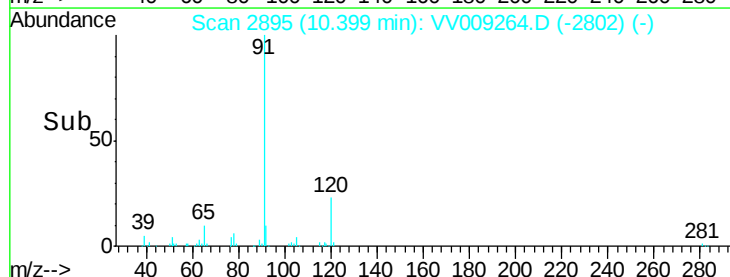


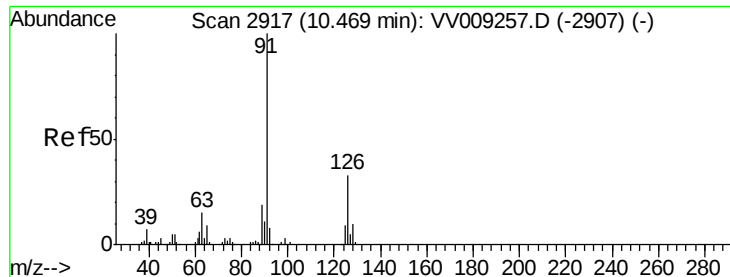
Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V



Time-->





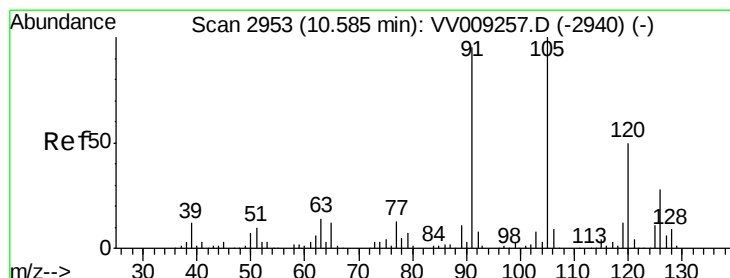
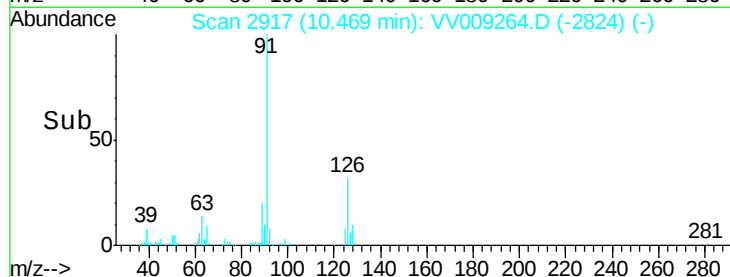
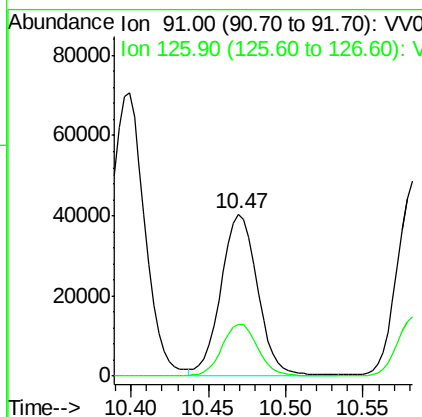
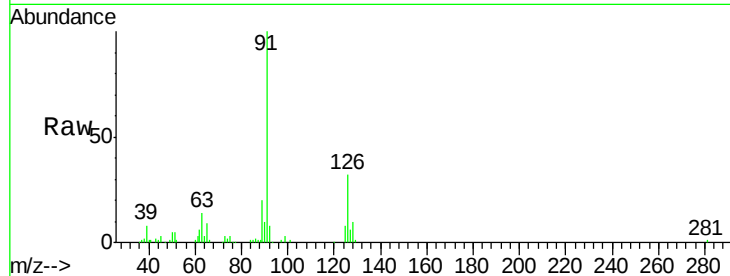
#79
 2-Chlorotoluene
 Concen: 20.310 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion: 91 Resp: 65987
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.4

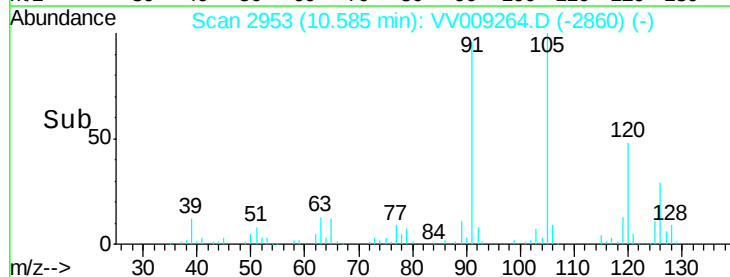
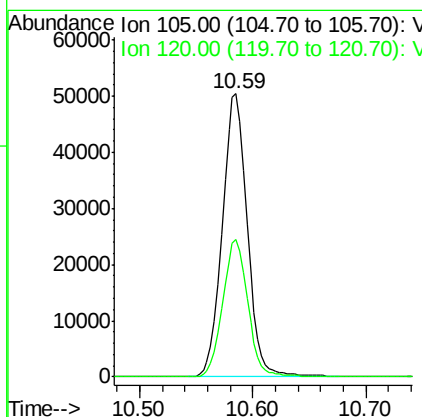
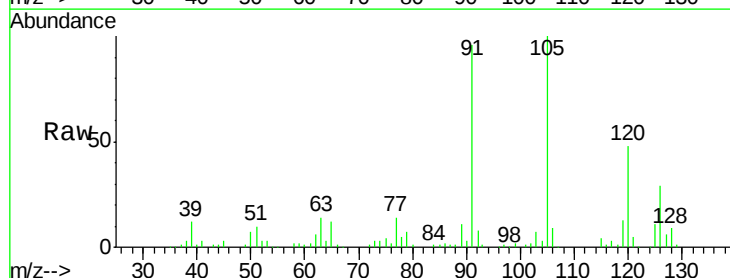
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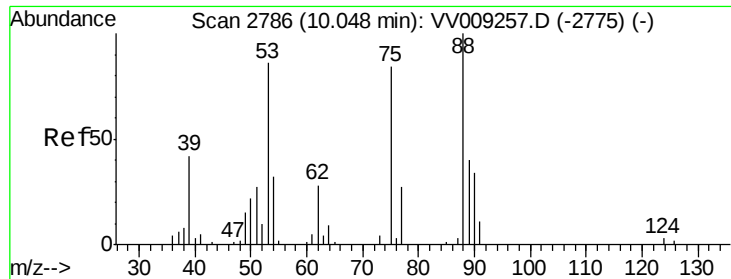
MMDadoda
 1/25/2019 10:01:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.264 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Tgt Ion: 105 Resp: 77663
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.026 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

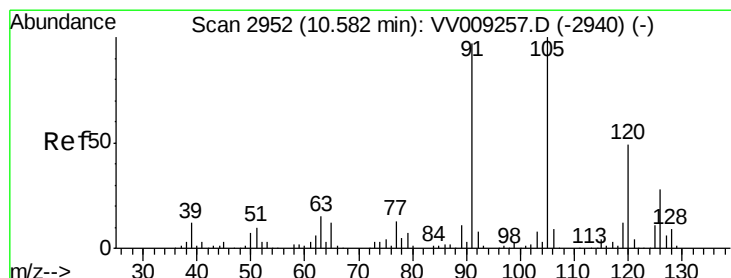
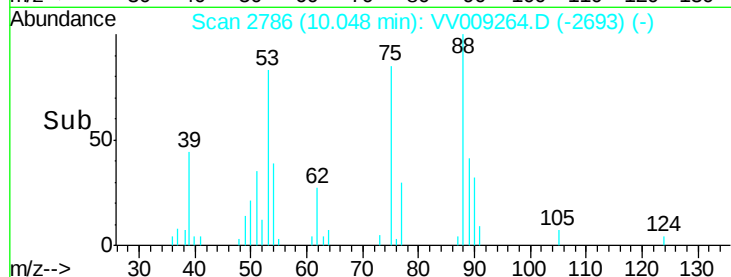
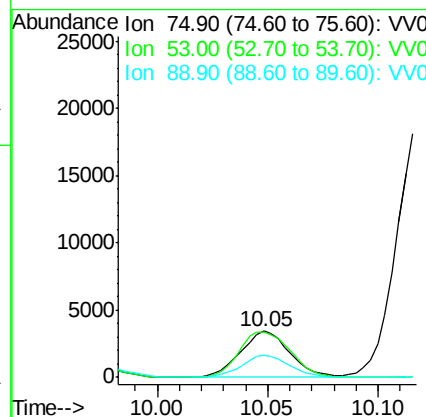
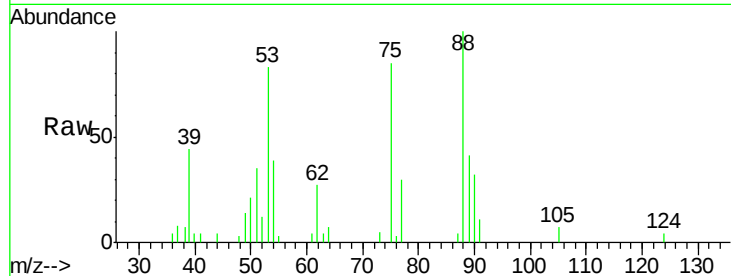
ClientSampleId :

VV0124SBS01

Tot Ion:	75	Resp:	5361
Ion	Ratio	Lower	Upper
75	100		
53	101.4	80.2	120.2
89	45.5	36.8	55.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.055 ug/l

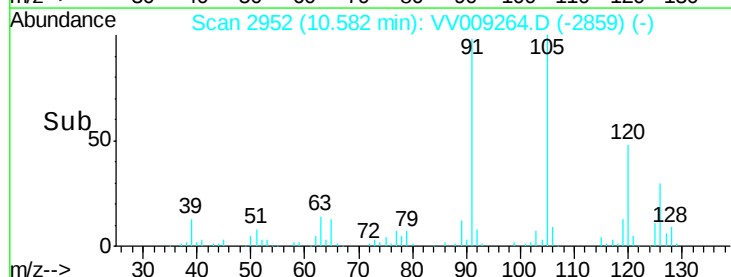
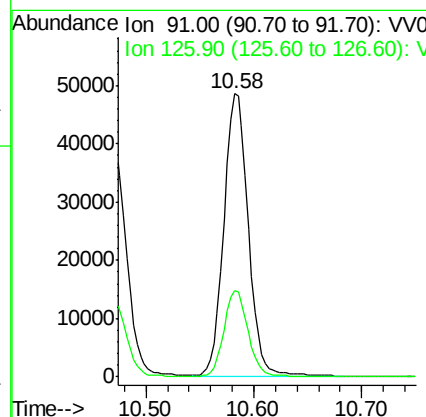
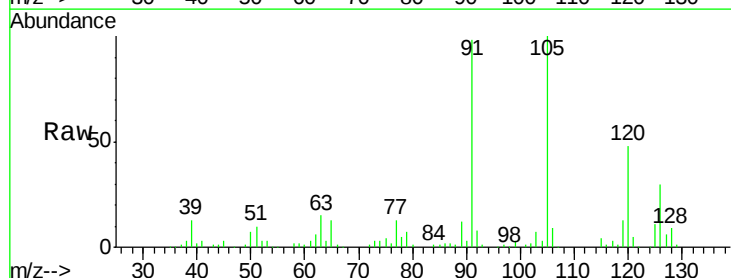
RT: 10.58 min Scan# 2952

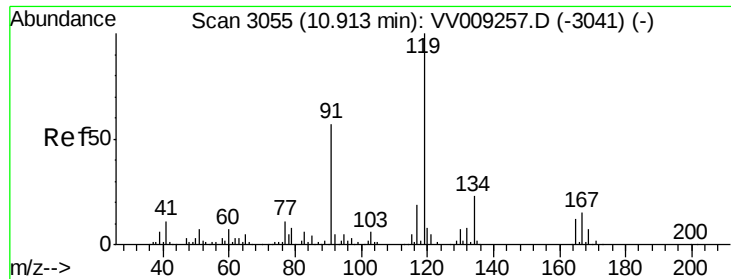
Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	91	Resp:	77245
Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.6	44.0





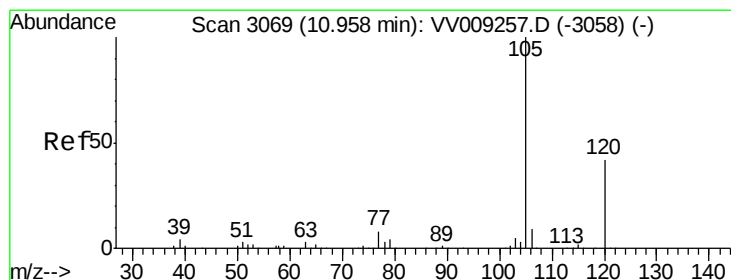
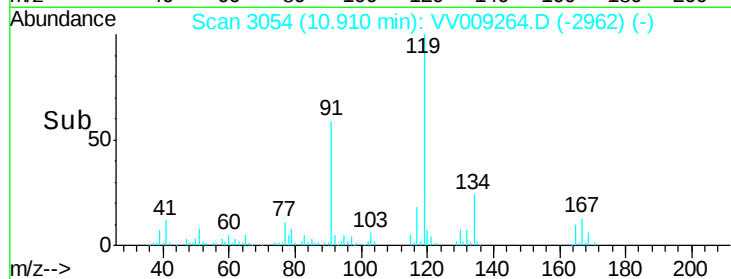
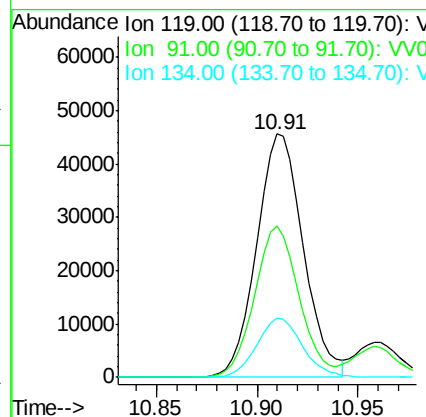
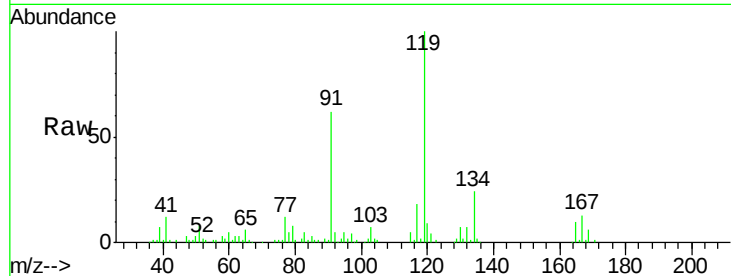
#83
tert-Butylbenzene
Concen: 19.935 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	28.6	85.8
134	23.8	11.9	35.5

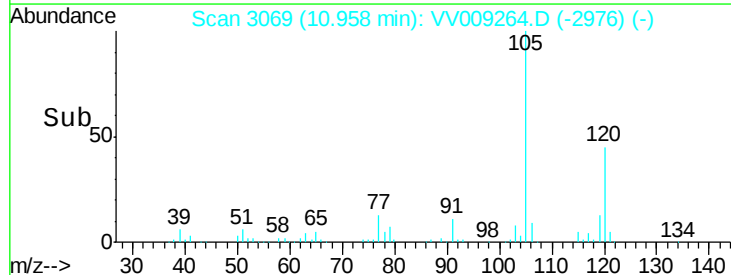
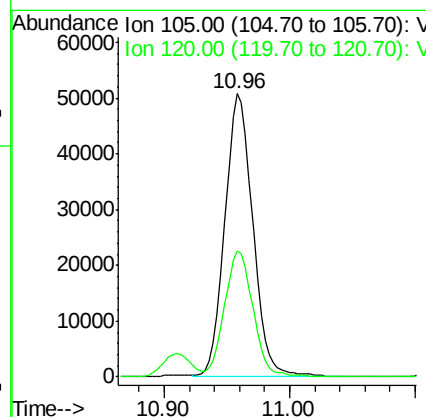
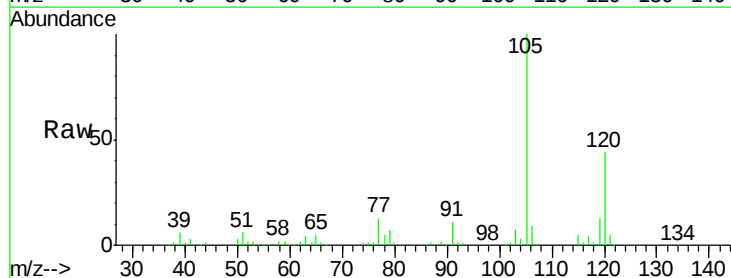
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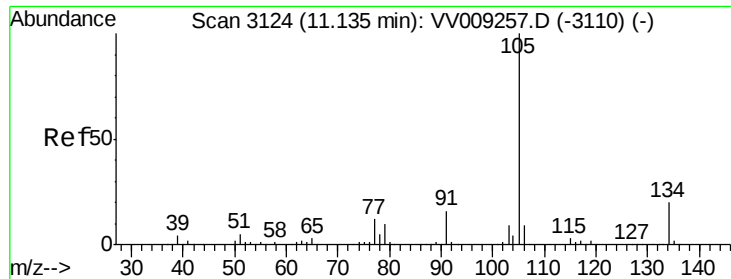
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.061 ug/l
RT: 10.96 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





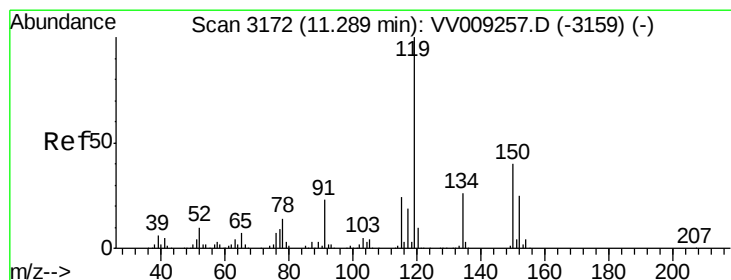
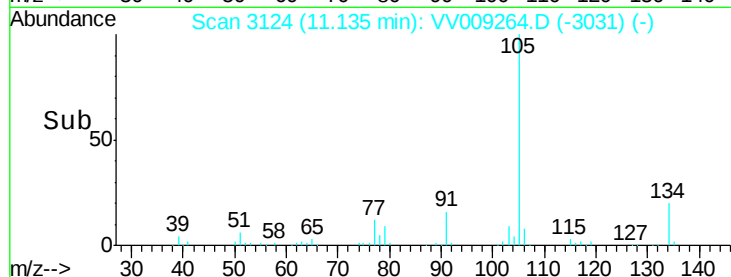
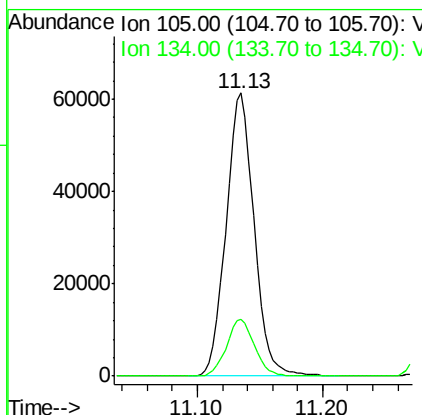
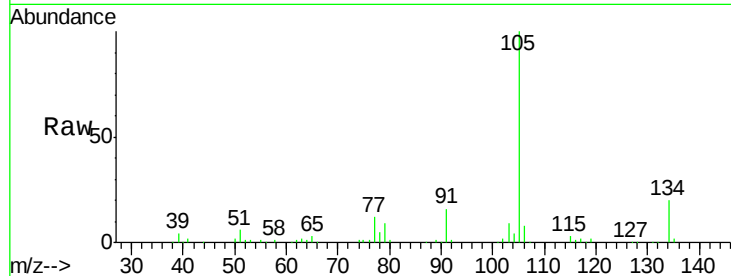
#85
 sec-Butylbenzene
 Concen: 19.812 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion:105 Resp: 95537
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6

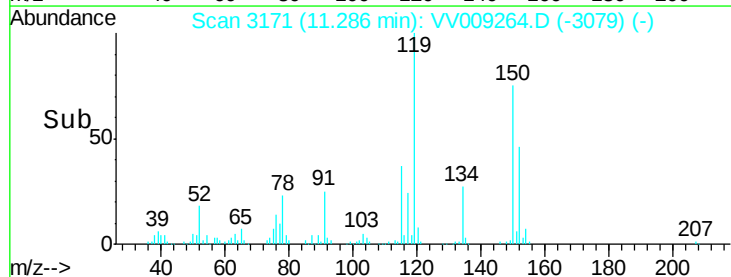
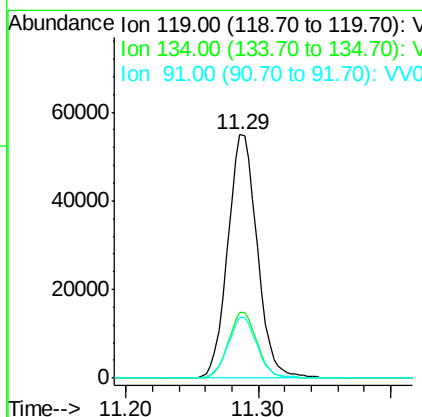
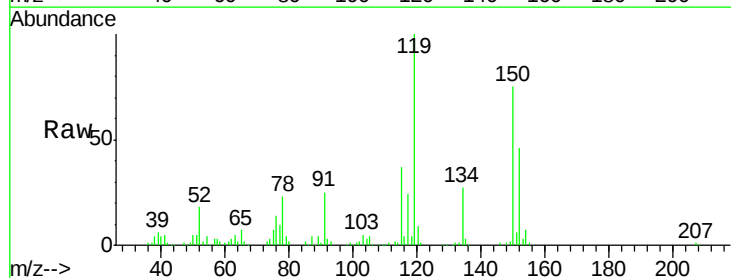
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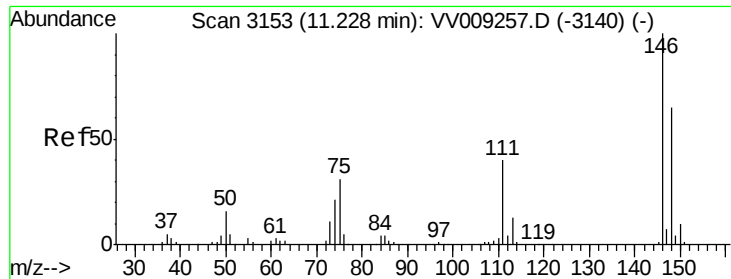
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#86
 p-Isopropyltoluene
 Concen: 19.953 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Tgt Ion:119 Resp: 84909
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 24.6 11.9 35.7





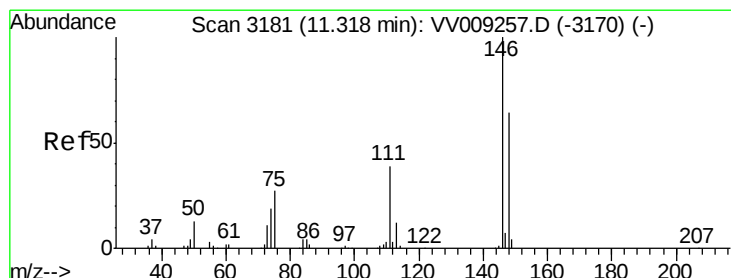
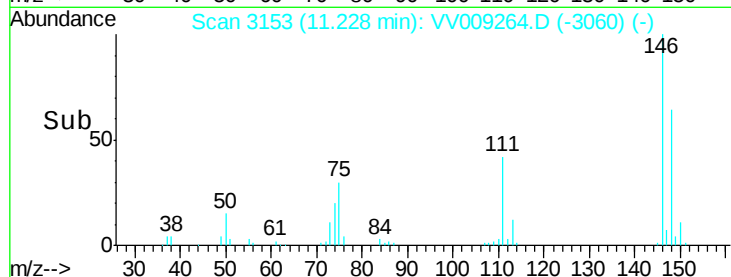
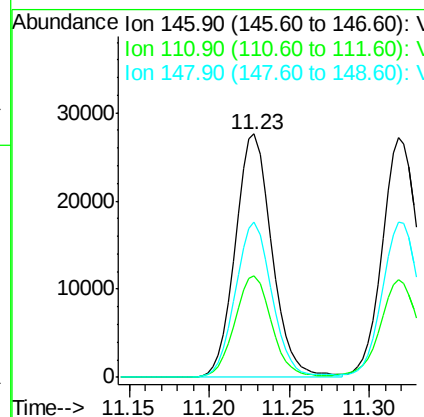
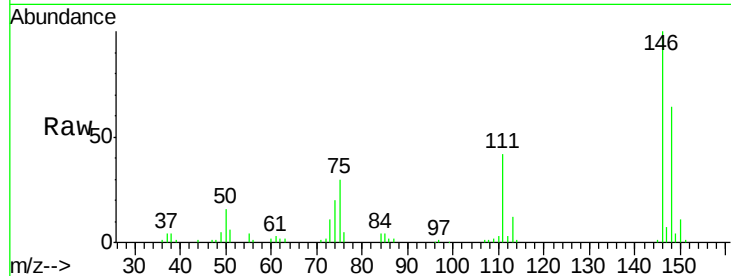
#87
 1,3-Dichlorobenzene
 Concen: 19.977 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	63.8	31.8	95.3

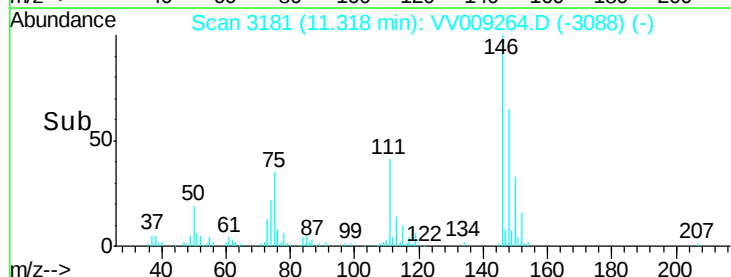
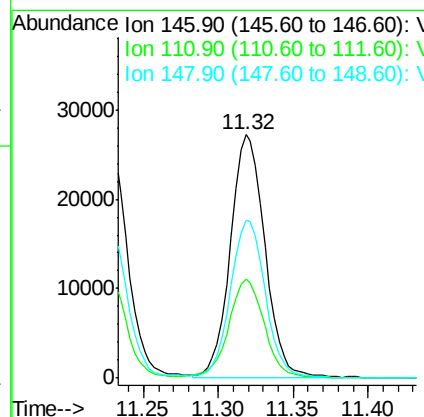
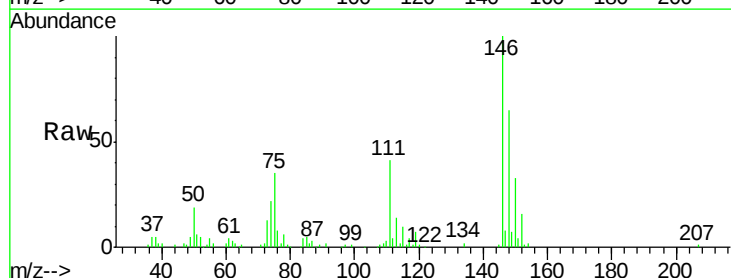
Manual Integrations
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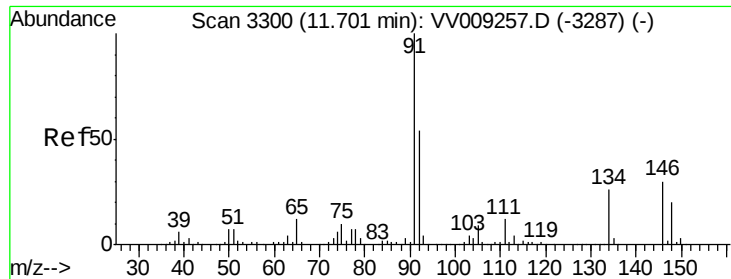
MMDadoda
 1/25/2019 10:01:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.771 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.3	61.0
148	66.5	31.6	94.8





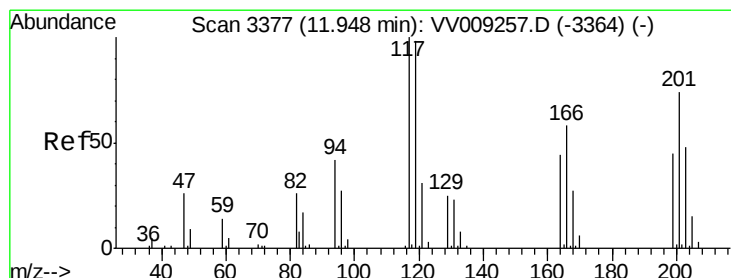
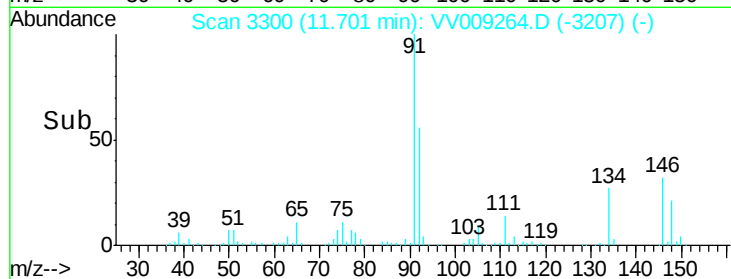
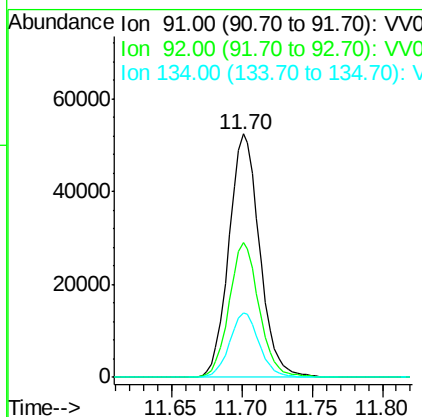
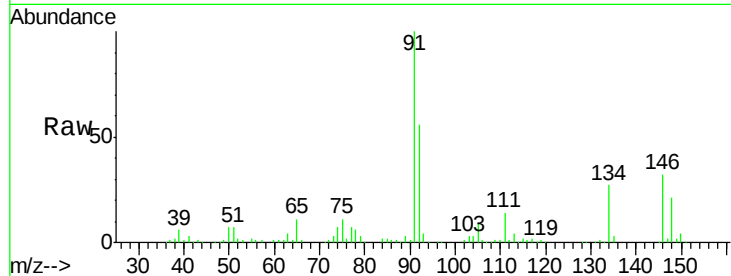
#89
n-Butylbenzene
Concen: 19.446 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Instrument :
MSVOA_V
ClientSampleId :
VV0124SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.2
134	25.6	13.1	39.3

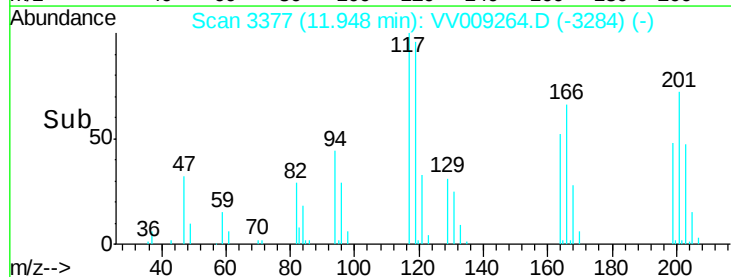
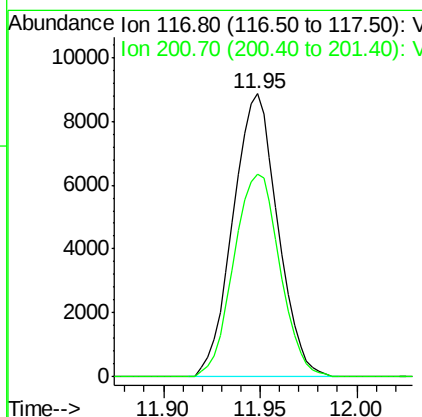
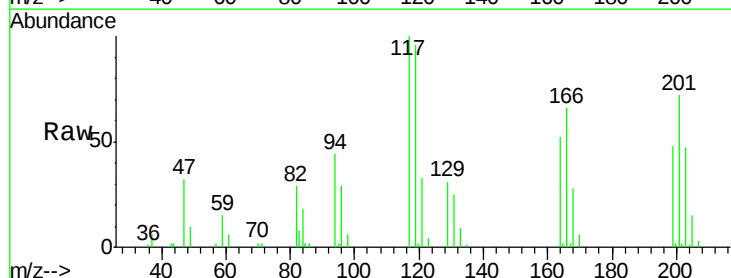
Manual Integrations
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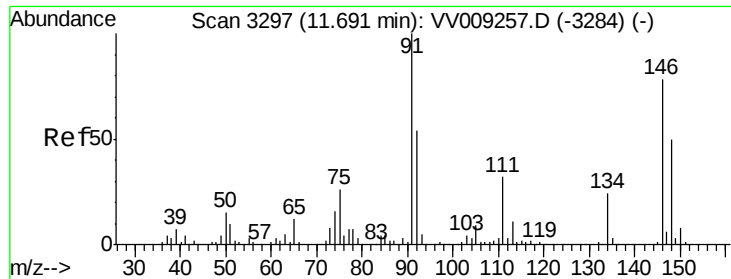
MMDadoda
1/25/2019 10:01:53 AM



#90
Hexachloroethane
Concen: 18.953 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009264.D
Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	36.4	109.3





#91

1,2-Dichlorobenzene

Concen: 20.604 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

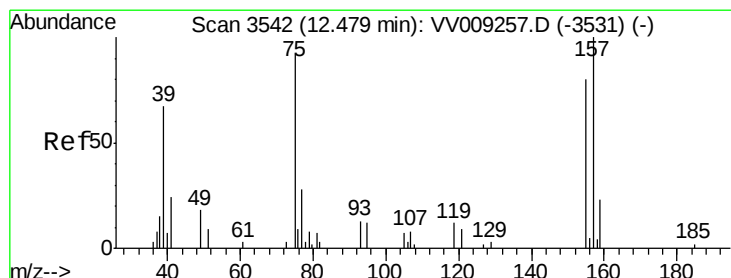
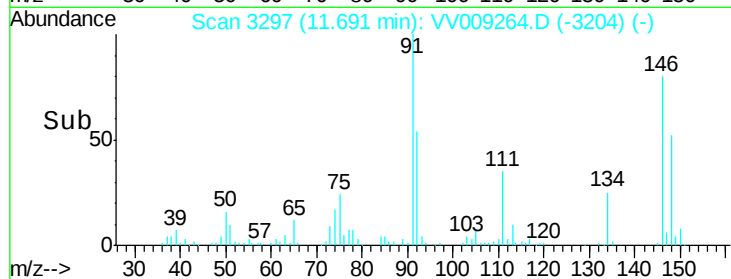
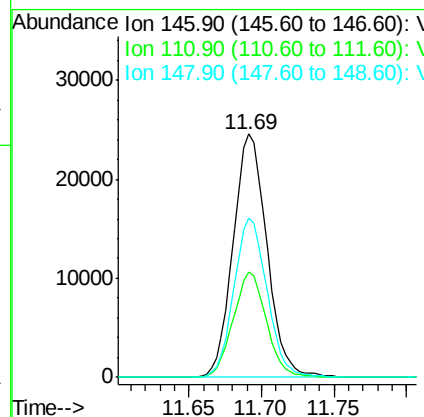
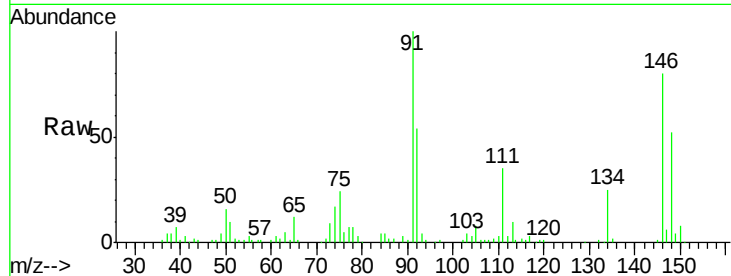
ClientSampleId :

VV0124SBS01

Tot Ion:	146	Resp:	39799
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.9	62.7
148	64.4	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.842 ug/l

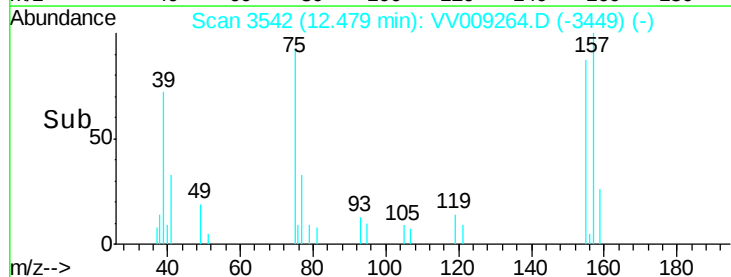
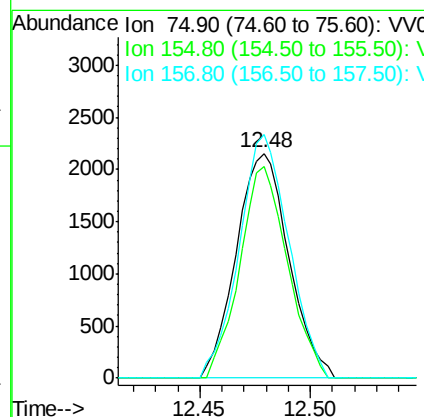
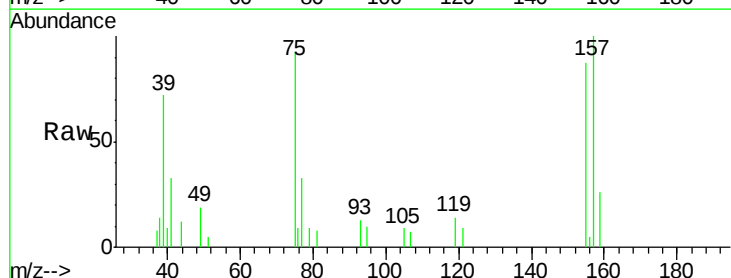
RT: 12.48 min Scan# 3542

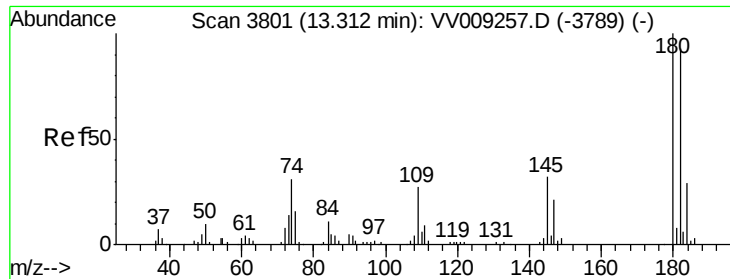
Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion:	75	Resp:	3573
Ion Ratio	Lower	Upper	
75	100		
155	85.2	41.1	123.4
157	102.3	53.2	159.6





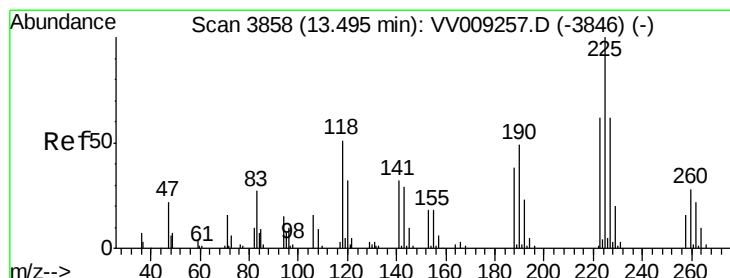
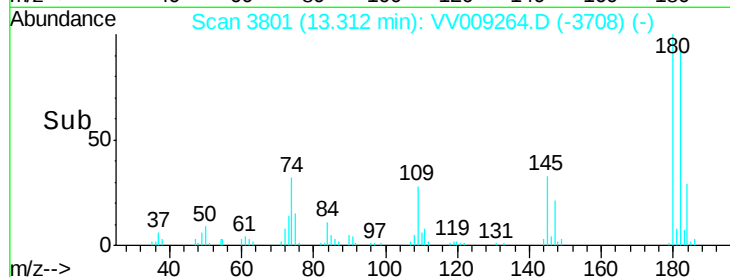
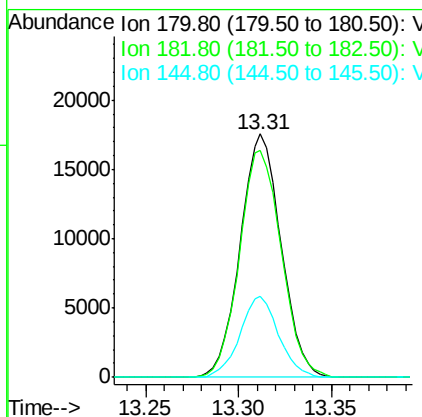
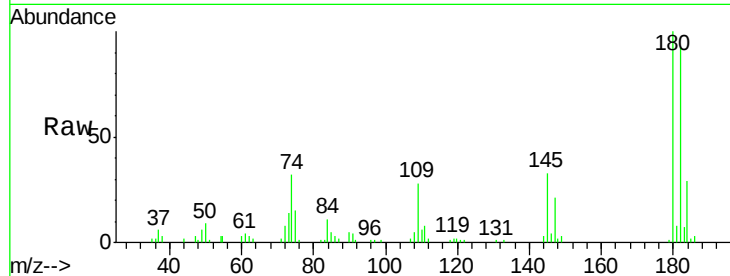
#93
 1,2,4-Trichlorobenzene
 Concen: 19.793 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0124SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.4
145	31.4	15.8	47.4

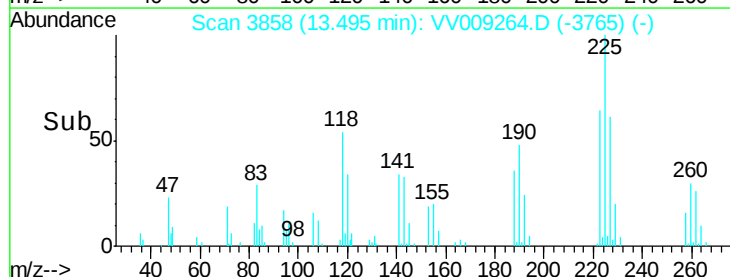
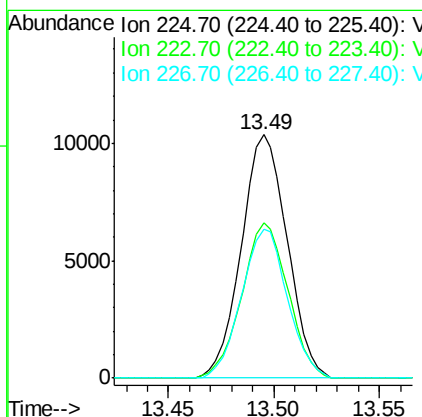
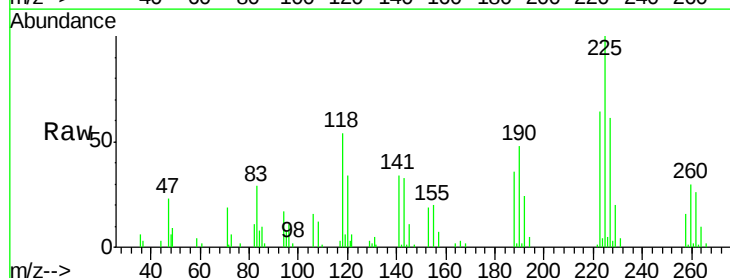
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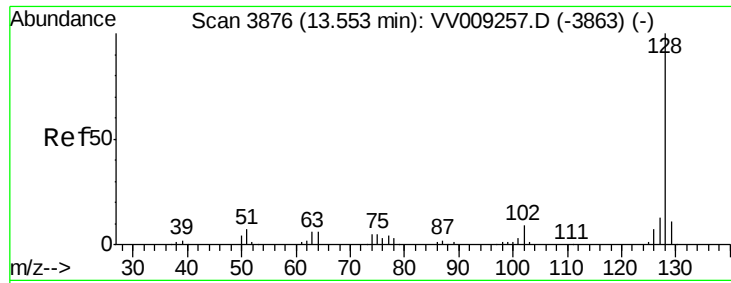
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#94
 Hexachlorobutadiene
 Concen: 20.247 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009264.D
 Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.9
227	61.1	31.6	94.7





#95

Naphthalene

Concen: 20.135 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Instrument :

MSVOA_V

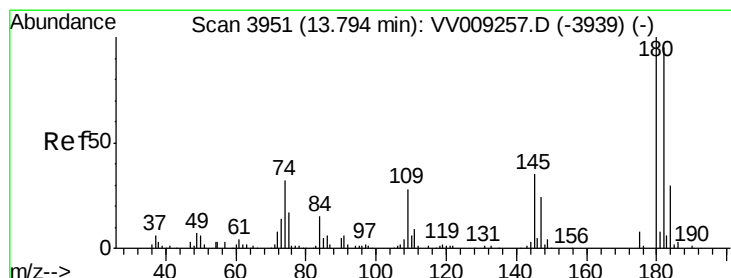
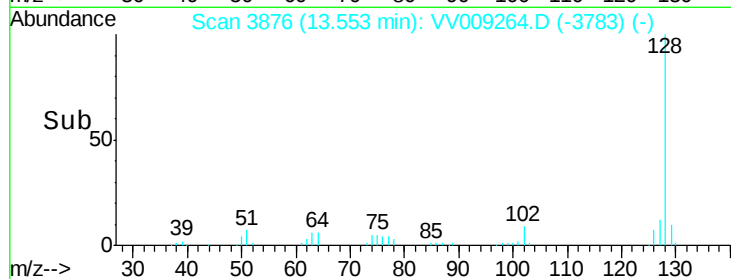
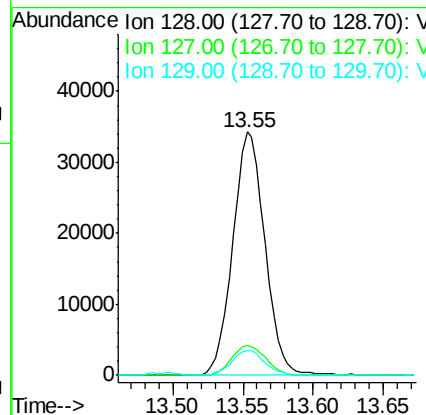
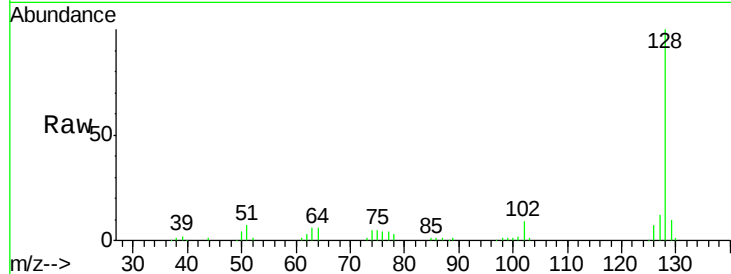
ClientSampleId :

VV0124SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.540 ug/l

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009264.D

Acq: 24 Jan 2019 17:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.5	142.6
145	33.4	17.2	51.6

