

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009256.D
 Acq On : 24 Jan 2019 13:20
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:27 AM

Quant Time: Jan 24 13:41:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	84070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	138199	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	127309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	21345	20.82	ug/l	0.00
Spiked Amount			Recovery	=	41.64%	
35) Dibromofluoromethane	4.64	113	18779	20.88	ug/l	0.00
Spiked Amount			Recovery	=	41.76%	
50) Toluene-d8	7.36	98	73541	21.01	ug/l	0.00
Spiked Amount			Recovery	=	42.02%	
62) 4-Bromofluorobenzene	10.12	95	27207	20.63	ug/l	0.00
Spiked Amount			Recovery	=	41.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	12981	19.089	ug/l	92
3) Chloromethane	1.25	50	18557	20.273	ug/l	99
4) Vinyl Chloride	1.32	62	19440	18.692	ug/l	97
5) Bromomethane	1.53	94	10693	18.130	ug/l	100
6) Chloroethane	1.59	64	10430	17.943	ug/l	99
7) Trichlorofluoromethane	1.76	101	9009	12.343	ug/l	96
8) Diethyl Ether	1.96	74	9470	20.630	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.13	101	16482	18.174	ug/l	98
10) Methyl Iodide	2.25	142	25619	17.699	ug/l	98
11) Tert butyl alcohol	2.66	59	8465	126.399	ug/l #	94
12) 1,1-Dichloroethene	2.14	96	17235	19.356	ug/l	94
13) Acrolein	2.05	56	5270	88.827	ug/l	98
14) Allyl chloride	2.41	41	24979	16.277	ug/l	97
15) Acrylonitrile	2.76	53	21161	106.420	ug/l	96
16) Acetone	2.17	43	26190	94.152	ug/l	98
17) Carbon Disulfide	2.32	76	45671	16.767	ug/l	99
18) Methyl Acetate	2.44	43	14264	19.199	ug/l	99
19) Methyl tert-butyl Ether	2.79	73	26834	19.414	ug/l	96
20) Methylene Chloride	2.52	84	17980	16.817	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	17221	17.951	ug/l	92
22) Diisopropyl ether	3.32	45	62535	19.136	ug/l	90
23) Vinyl Acetate	3.30	43	190947	107.690	ug/l	98
24) 1,1-Dichloroethane	3.21	63	37015	18.206	ug/l	98
25) 2-Butanone	4.02	43	38399	120.717	ug/l	98
26) 2,2-Dichloropropane	3.95	77	19835	17.335	ug/l	97
27) cis-1,2-Dichloroethene	3.95	96	22575	19.471	ug/l	96
28) Bromochloromethane	4.29	49	14831	19.768	ug/l	94
29) Tetrahydrofuran	4.39	42	21265	122.915	ug/l	96
30) Chloroform	4.42	83	39022	19.110	ug/l	99
31) Cyclohexane	4.71	56	35905	19.345	ug/l	93
32) 1,1,1-Trichloroethane	4.64	97	30410	17.670	ug/l	100
36) 1,1-Dichloropropene	4.87	75	29023	18.915	ug/l	98
37) Ethyl Acetate	4.12	43	15284	25.919	ug/l #	92
38) Carbon Tetrachloride	4.87	117	29167	18.988	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	36644	20.167	ug/l	99
40) Benzene	5.14	78	86013	20.043	ug/l	99
41) Methacrylonitrile	4.31	41	8298	23.349	ug/l	97
42) 1,2-Dichloroethane	5.17	62	26505	19.734	ug/l	96
43) Isopropyl Acetate	5.33	43	28330	24.424	ug/l	99
44) Trichloroethene	5.95	130	22823	20.210	ug/l	94
45) 1,2-Dichloropropane	6.22	63	21572	20.898	ug/l	99
46) Dibromomethane	6.35	93	12079	22.804	ug/l	97
47) Bromodichloromethane	6.55	83	27829	19.882	ug/l	97
48) Methyl methacrylate	6.42	41	13759	23.246	ug/l	99
49) 1,4-Dioxane	6.41	88	3415	506.135	ug/l	96
51) 4-Methyl-2-Pentanone	7.27	43	72427	123.038	ug/l	99
52) Toluene	7.43	92	53511	19.712	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	27418	20.126	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	31241	19.916	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	16520	22.136	ug/l	99
56) Ethyl methacrylate	7.83	69	19048	21.907	ug/l	97
57) 1,3-Dichloropropane	8.05	76	28951	21.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1649	121.360	ug/l	97
59) 2-Hexanone	8.19	43	52823	124.067	ug/l	99
60) Dibromochloromethane	8.29	129	18324	20.970	ug/l	99
61) 1,2-Dibromoethane	8.40	107	16279	22.306	ug/l	100
64) Tetrachloroethene	8.02	164	18085	19.962	ug/l	98
65) Chlorobenzene	8.93	112	59163	19.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	20220	19.976	ug/l	98
67) Ethyl Benzene	9.05	91	102194	19.368	ug/l	99
68) m/p-Xylenes	9.18	106	79326	39.601	ug/l	96
69) o-Xylene	9.59	106	36292	19.542	ug/l	100
70) Styrene	9.60	104	58681	19.798	ug/l	99
71) Bromoform	9.77	173	10385	21.756	ug/l #	96
73) Isopropylbenzene	9.97	105	101640	19.145	ug/l	99
74) N-amyl acetate	9.84	43	22469	22.887	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	20605	23.022	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	16973m	24.113	ug/l	
77) Bromobenzene	10.26	156	23297	20.516	ug/l	95
78) n-propylbenzene	10.40	91	120894	19.208	ug/l	100
79) 2-Chlorotoluene	10.47	91	71495	18.827	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	86416	19.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	5255	21.127	ug/l	94
82) 4-Chlorotoluene	10.58	91	83981	18.776	ug/l	98
83) tert-Butylbenzene	10.91	119	81632	19.254	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	88294	19.658	ug/l	100
85) sec-Butylbenzene	11.13	105	106889	19.249	ug/l	100
86) p-Isopropyltoluene	11.29	119	93204	19.169	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	47615	20.194	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	48578	20.380	ug/l	99
89) n-Butylbenzene	11.70	91	90485	19.173	ug/l	99
90) Hexachloroethane	11.95	117	16422	18.993	ug/l	97
91) 1,2-Dichlorobenzene	11.69	146	42214	20.282	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3498	23.279	ug/l	94

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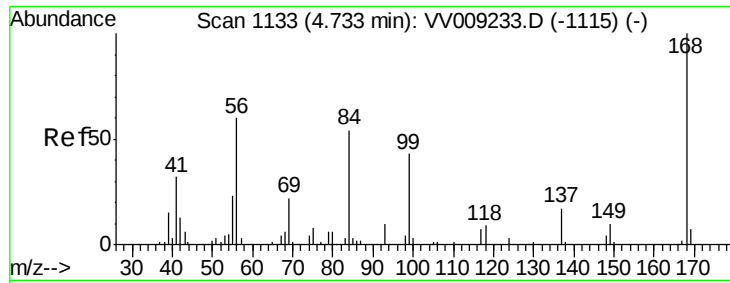
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	28488	21.262	ug/l	99
94) Hexachlorobutadiene	13.49	225	16577	19.962	ug/l	100
95) Naphthalene	13.55	128	54495	23.522	ug/l	98
96) 1,2,3-Trichlorobenzene	13.80	180	24657	21.732	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 84070

Ion Ratio Lower Upper

168 100

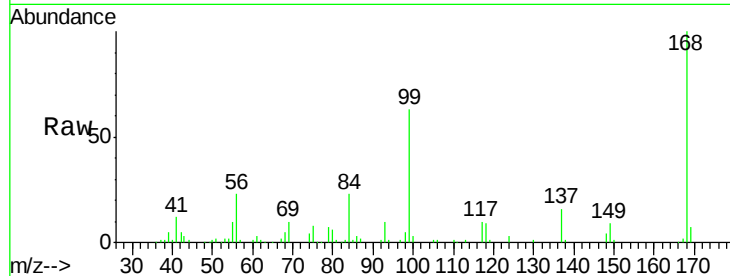
99 62.3 50.9 76.3

Manual Integrations

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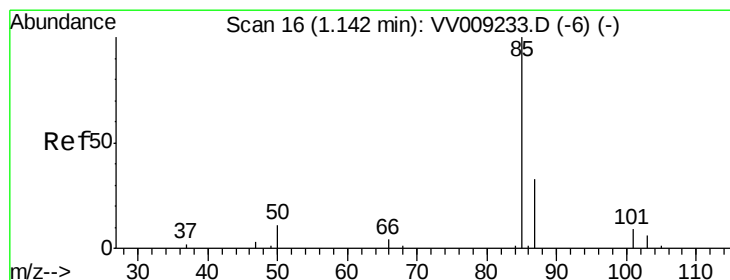
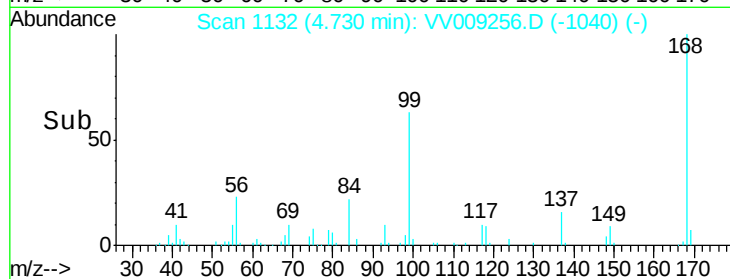


Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

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

4.73

4.60 4.70 4.80 4.90



#2

Dichlorodifluoromethane

Concen: 19.089 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009256.D

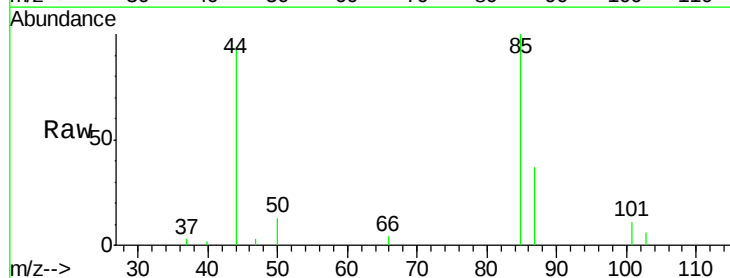
Acq: 24 Jan 2019 13:20

Tgt Ion: 85 Resp: 12981

Ion Ratio Lower Upper

85 100

87 37.4 16.6 49.7

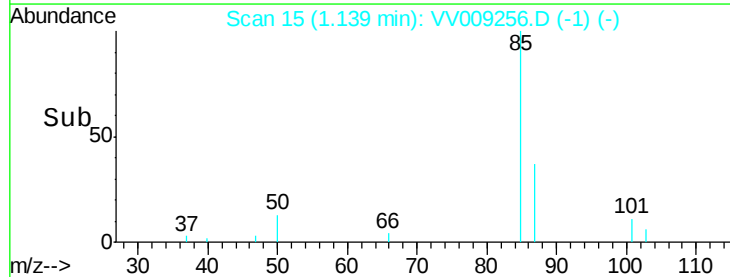


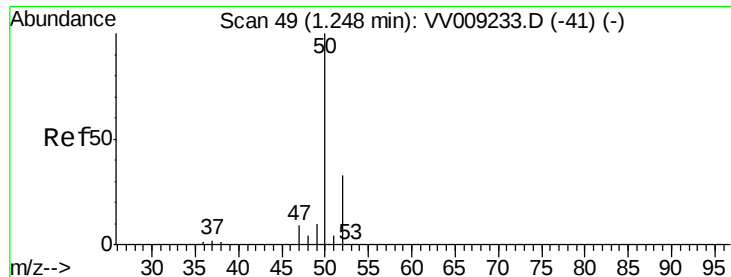
Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

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

1.14

1.10 1.20 1.30





#3

Chloromethane

Concen: 20.273 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 18557

Ion Ratio Lower Upper

50 100

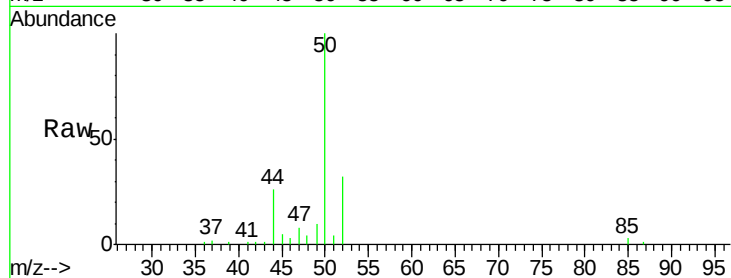
52 32.3 26.3 39.5

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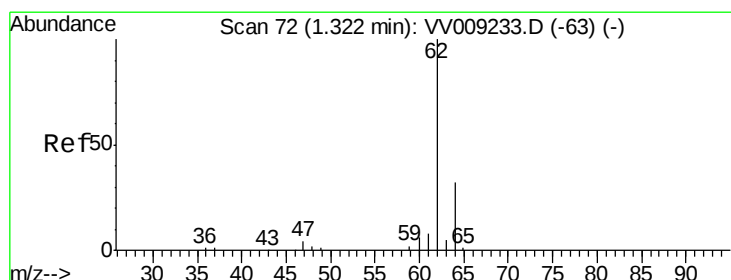
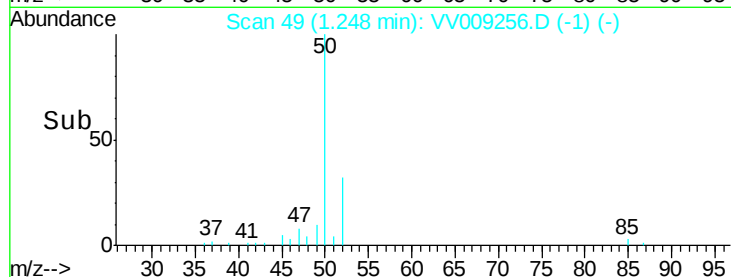
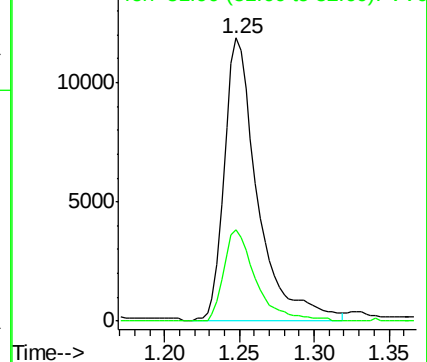
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Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 18.692 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009256.D

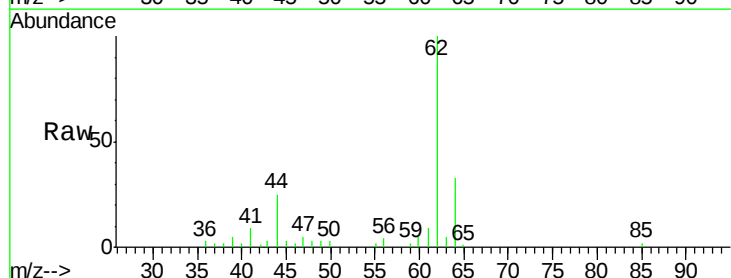
Acq: 24 Jan 2019 13:20

Tgt Ion: 62 Resp: 19440

Ion Ratio Lower Upper

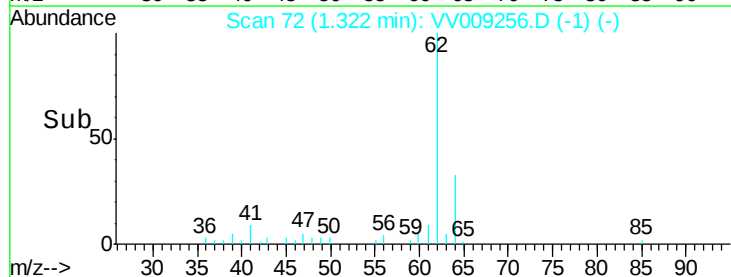
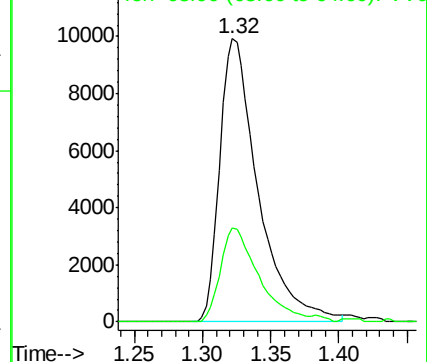
62 100

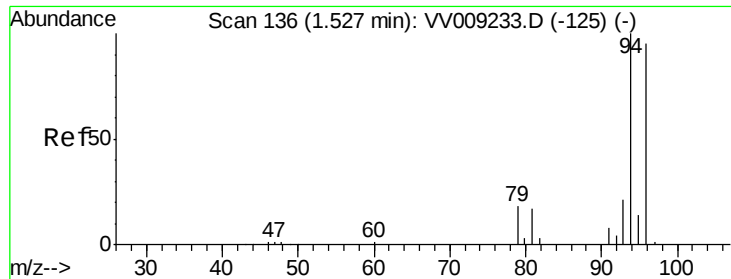
64 33.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0





#5

Bromomethane

Concen: 18.130 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 10693

Ion Ratio Lower Upper

94 100

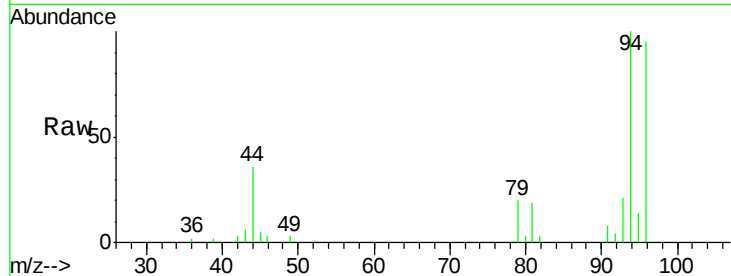
96 95.5 76.3 114.5

Manual Integrations

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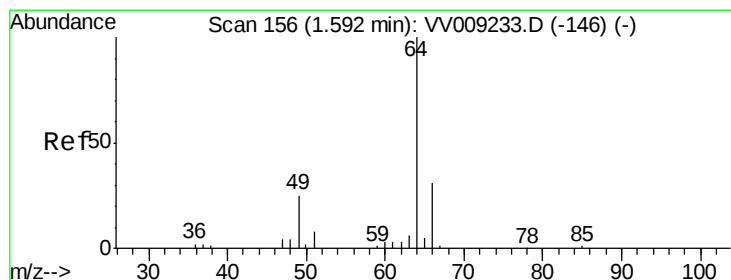
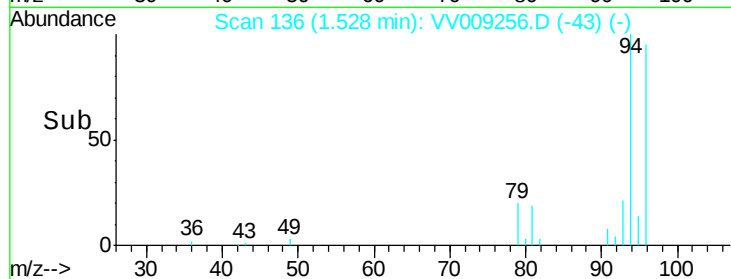
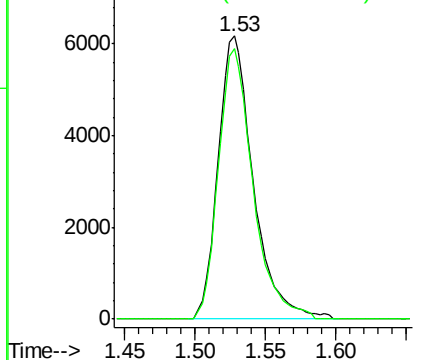
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Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0



#6

Chloroethane

Concen: 17.943 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009256.D

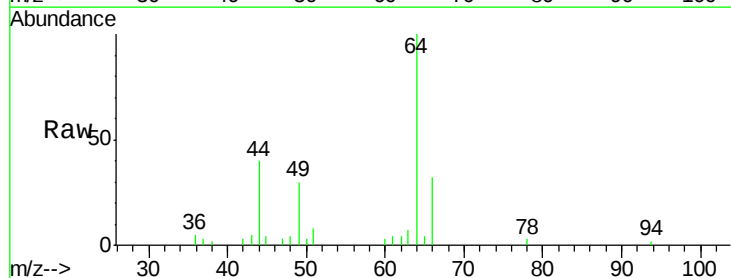
Acq: 24 Jan 2019 13:20

Tgt Ion: 64 Resp: 10430

Ion Ratio Lower Upper

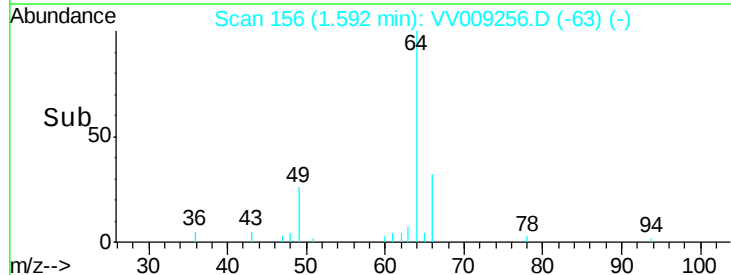
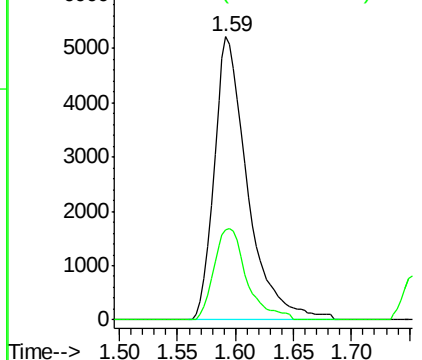
64 100

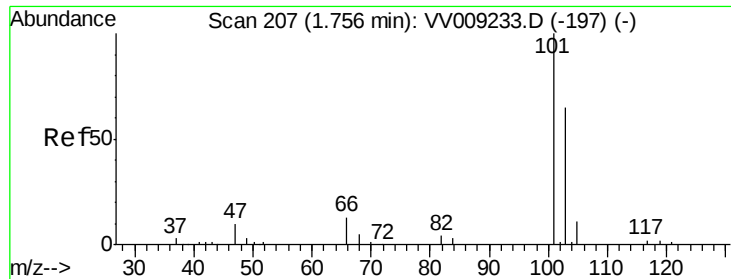
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0





#7

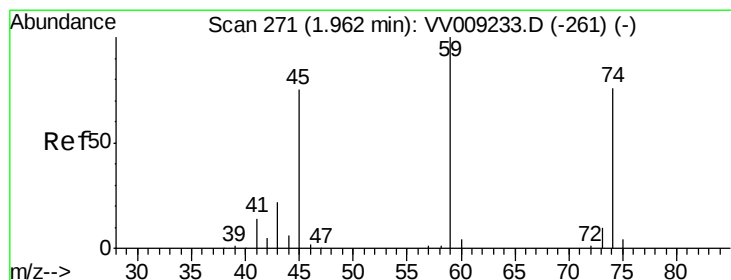
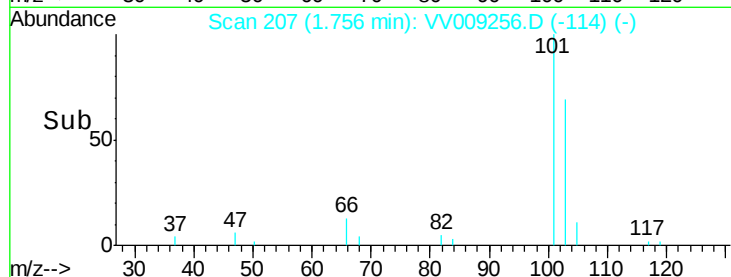
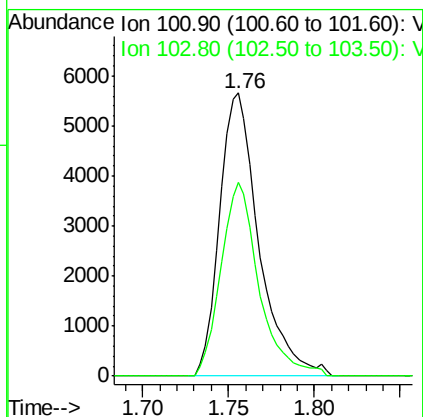
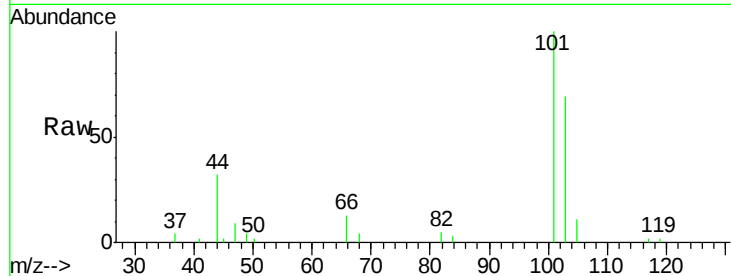
Trichlorofluoromethane
Concen: 12.343 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

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VSTDIC020

Tot Ion:101 Resp: 9009
Ion Ratio Lower Upper
101 100
103 68.7 52.2 78.4

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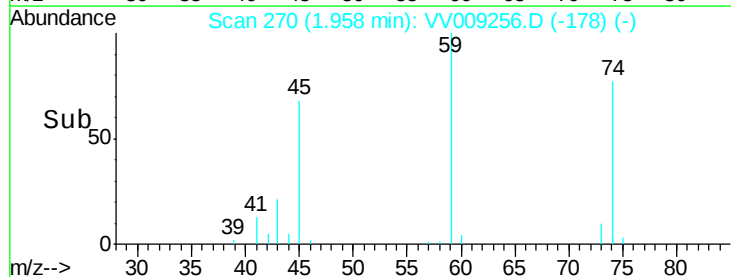
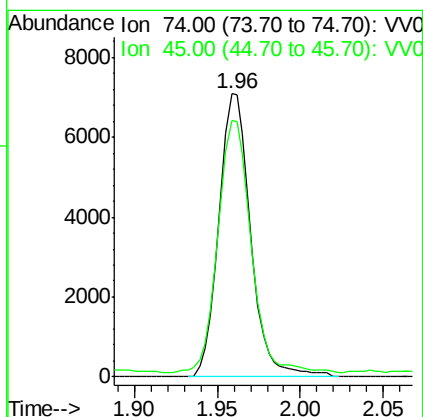
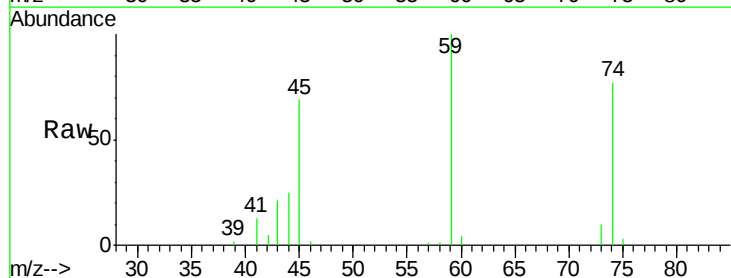
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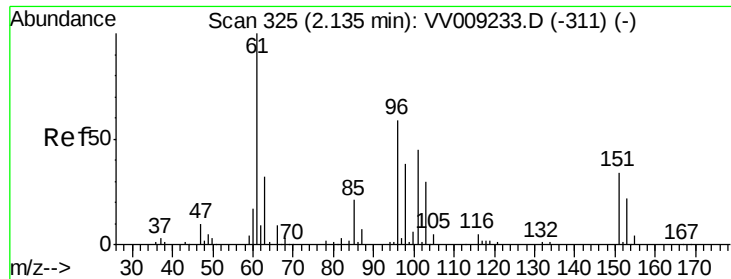


#8

Diethyl Ether
Concen: 20.630 ug/l
RT: 1.96 min Scan# 270
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 74 Resp: 9470
Ion Ratio Lower Upper
74 100
45 94.2 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.174 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

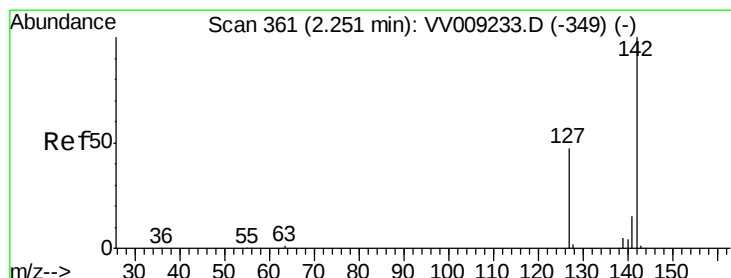
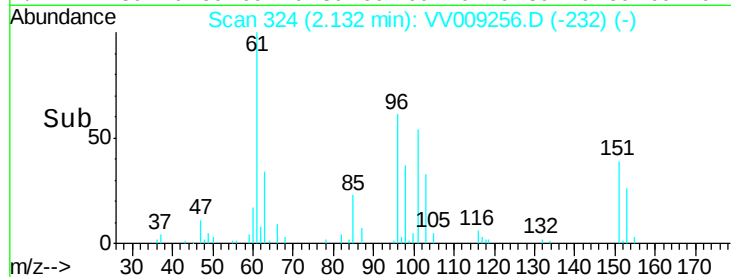
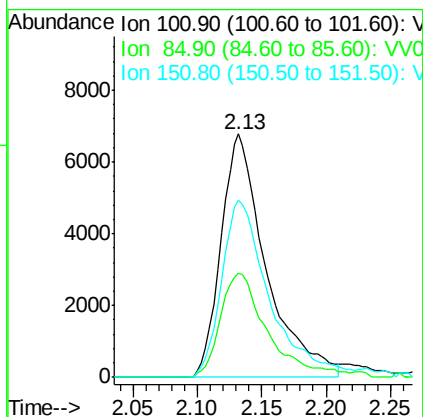
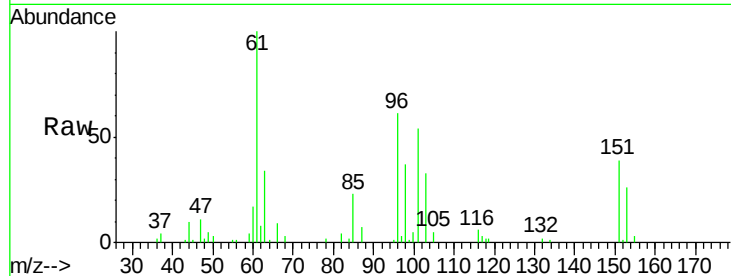
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	16482
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.3	52.9
151	77.0	60.1	90.1

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#10

Methyl Iodide

Concen: 17.699 ug/l

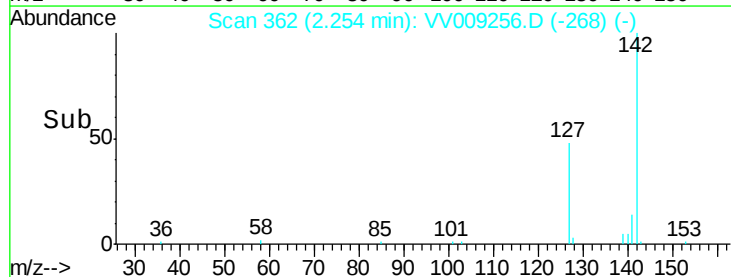
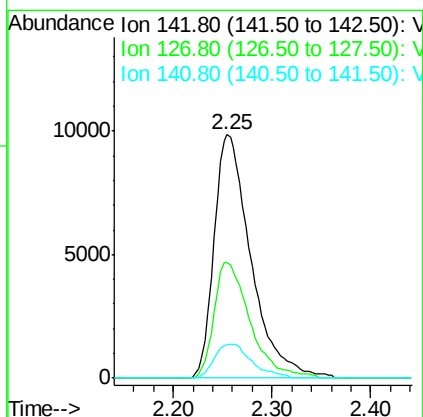
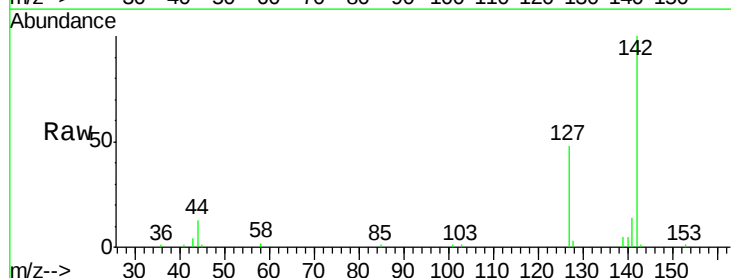
RT: 2.25 min Scan# 362

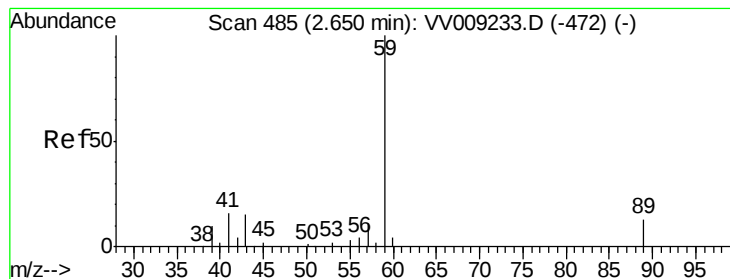
Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion:	142	Resp:	25619
Ion Ratio	Lower	Upper	
142	100		
127	46.0	37.9	56.9
141	14.2	11.7	17.5





#11

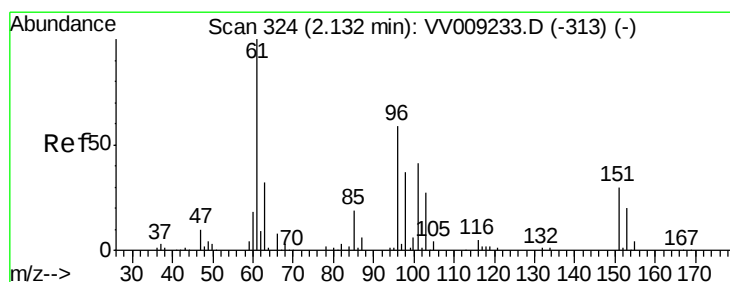
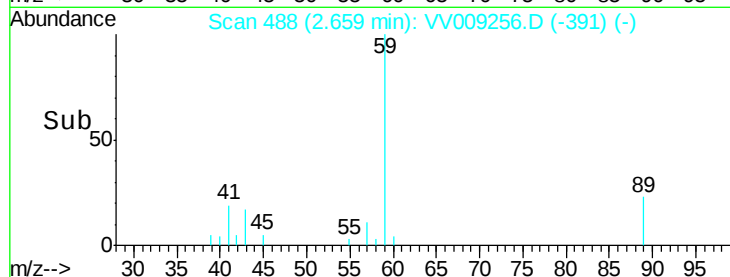
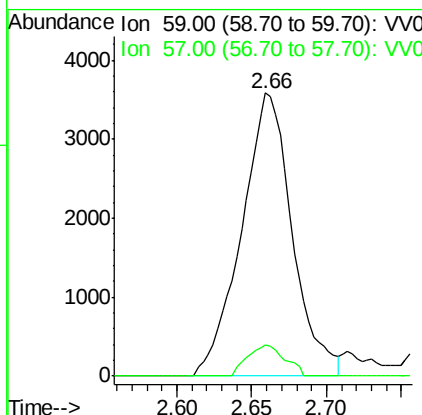
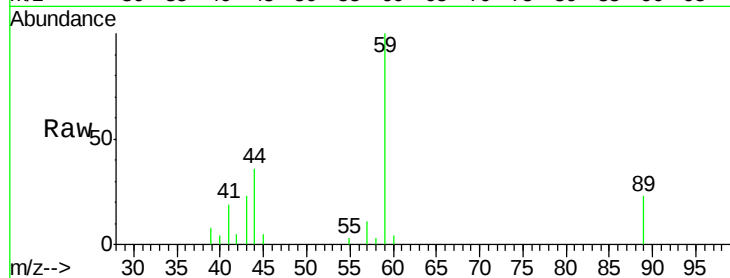
Tert butyl alcohol
 Concen: 126.399 ug/l
 RT: 2.66 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.4	12.6#

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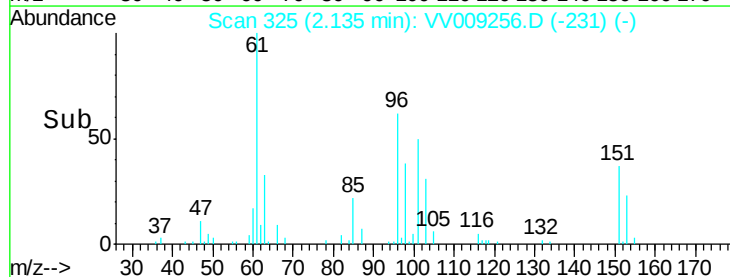
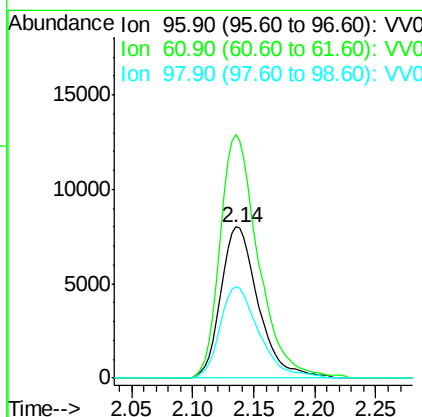
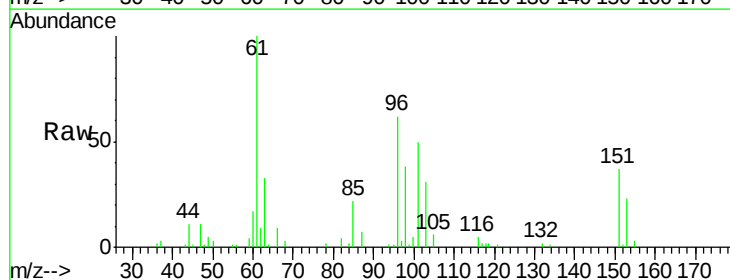
MMDadoda
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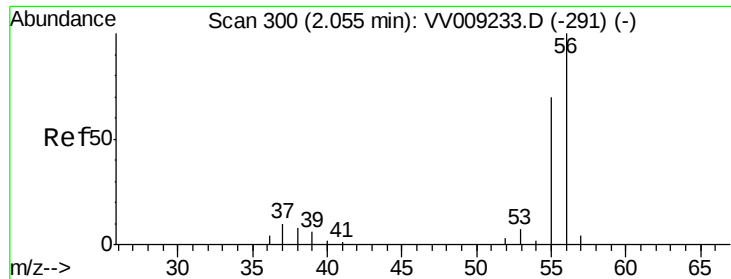


#12

1,1-Dichloroethene
 Concen: 19.356 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	136.6	205.0
98	60.8	50.6	75.8





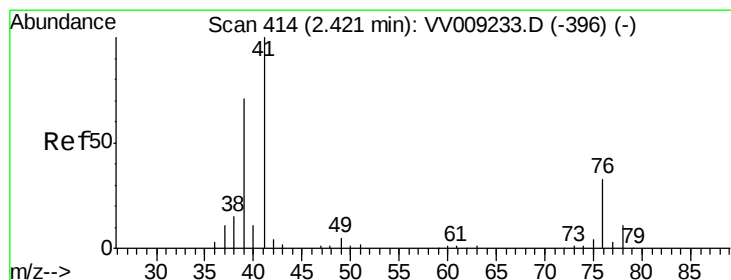
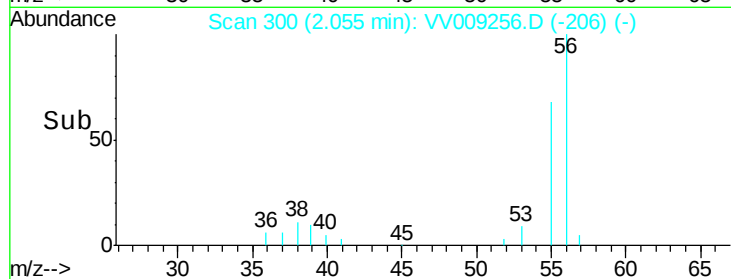
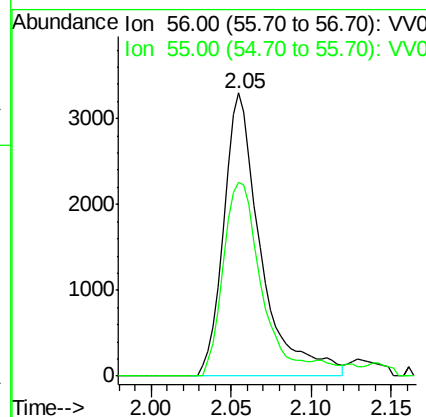
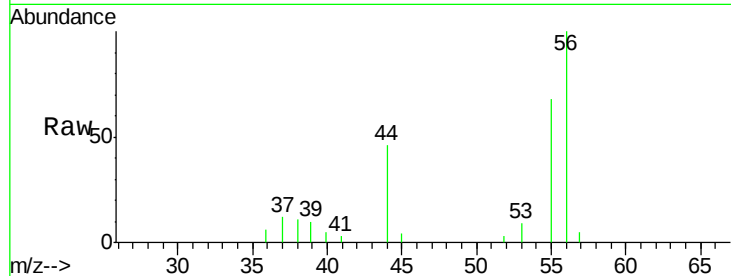
#13
Acrolein
Concen: 88.827 ug/l
RT: 2.05 min Scan# 300
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100	5270		
55	55	69.1		54.0	81.0

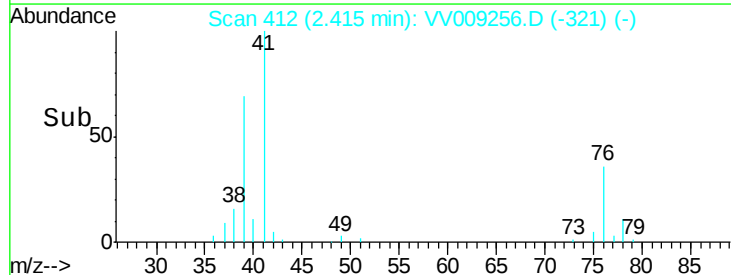
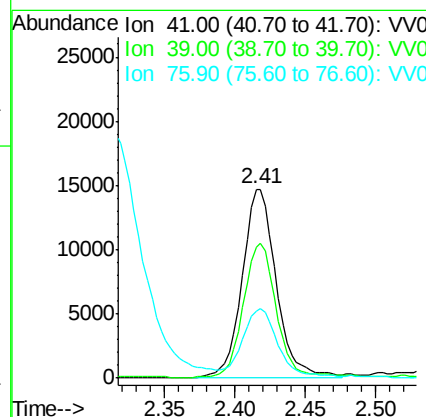
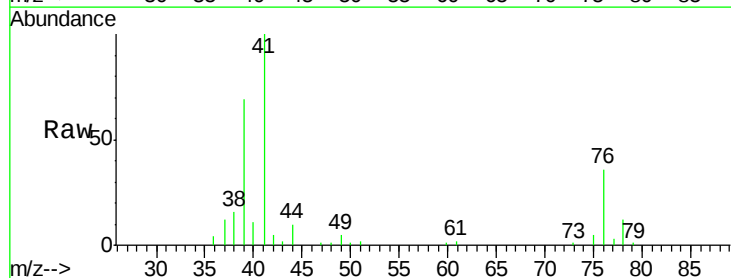
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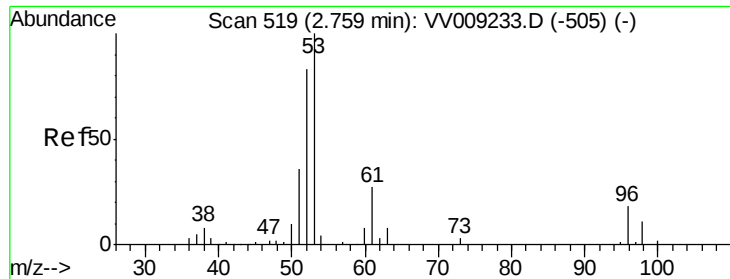
MMDadoda
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#14
Allyl chloride
Concen: 16.277 ug/l
RT: 2.41 min Scan# 412
Delta R.T. -0.01 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	24979		
39	39	70.6		55.1	82.7
76	76	36.6		26.7	40.1





#15

Acrylonitrile

Concen: 106.420 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

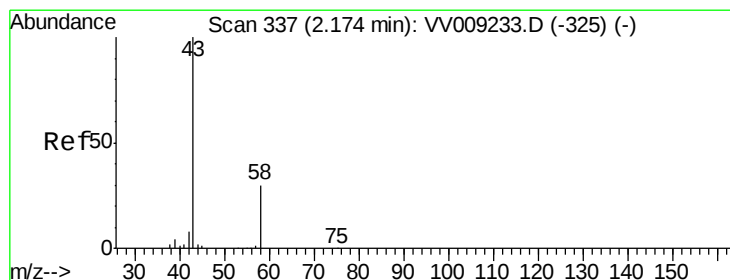
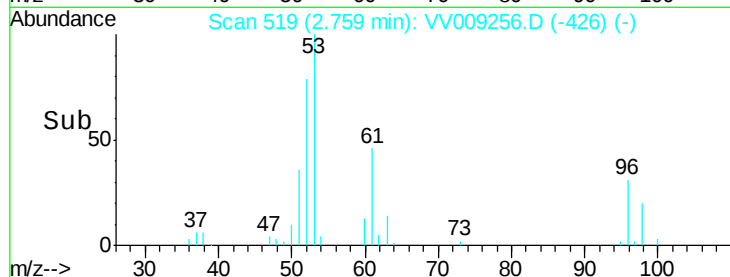
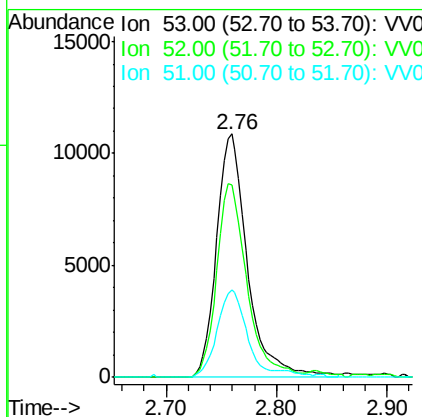
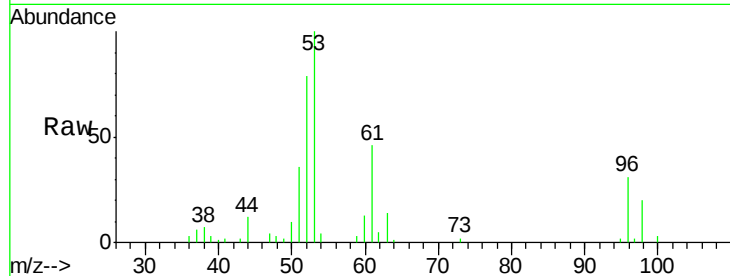
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	21161
Ion	Ratio	Lower	Upper
53	100		
52	77.7	65.3	97.9
51	34.0	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 94.152 ug/l

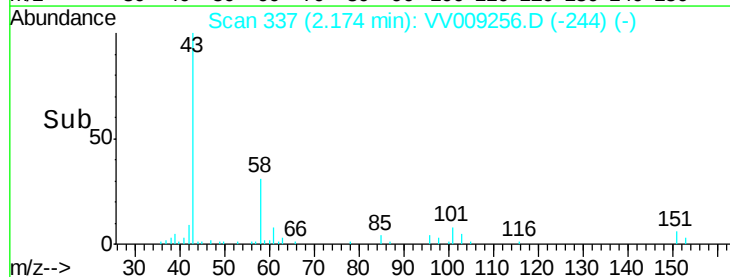
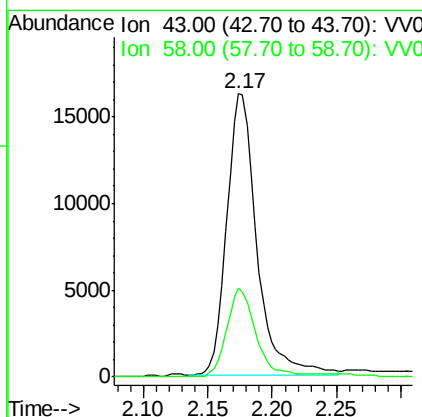
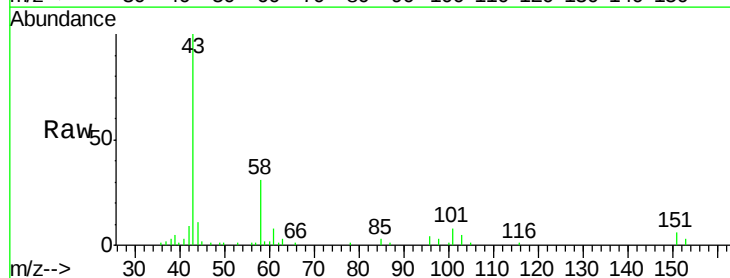
RT: 2.17 min Scan# 337

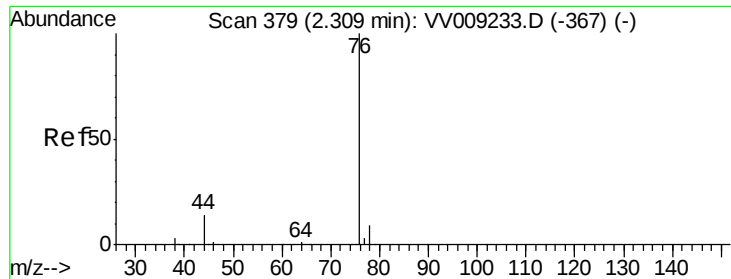
Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion:	43	Resp:	26190
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.4	36.6





#17

Carbon Disulfide

Concen: 16.767 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 45671

Ion Ratio Lower Upper

76 100

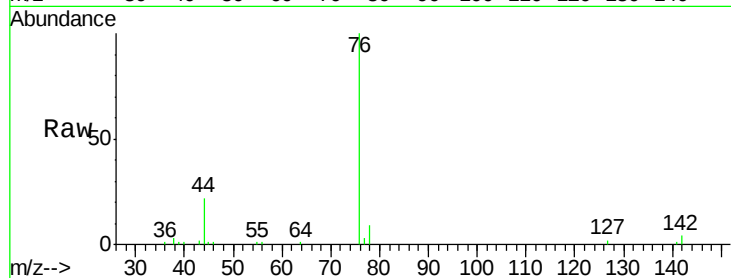
78 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0

20000

15000

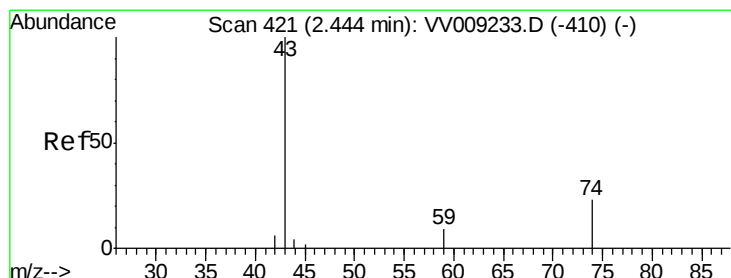
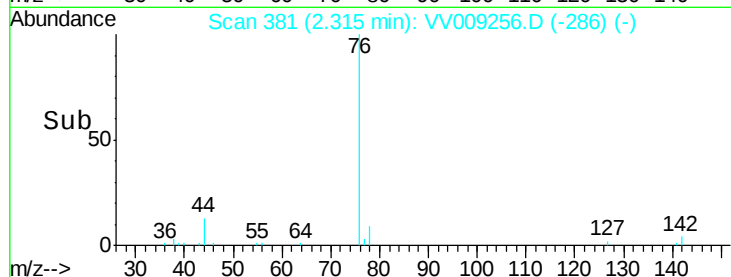
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#18

Methyl Acetate

Concen: 19.199 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009256.D

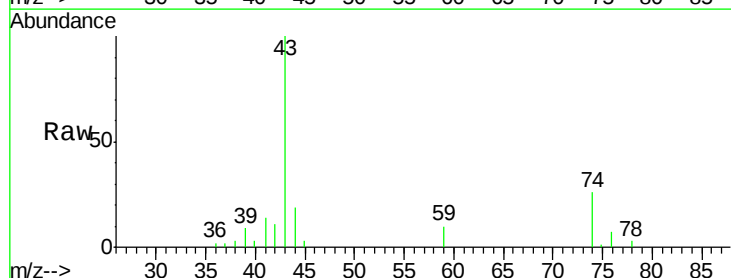
Acq: 24 Jan 2019 13:20

Tgt Ion: 43 Resp: 14264

Ion Ratio Lower Upper

43 100

74 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

10000

8000

6000

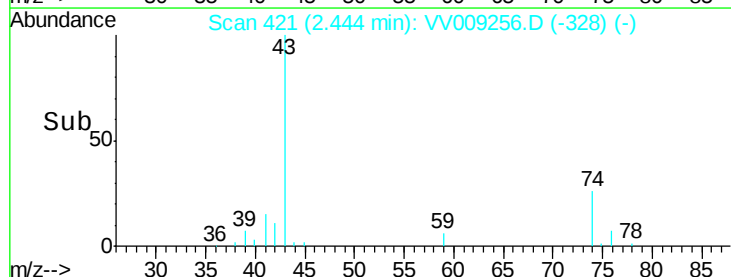
4000

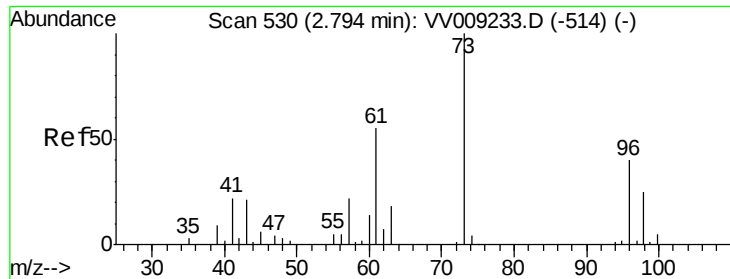
2000

0

2.35 2.40 2.45 2.50

Time-->





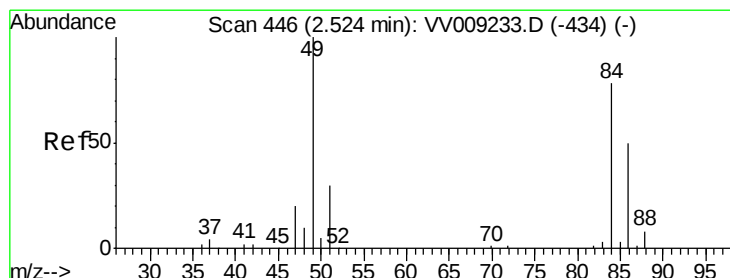
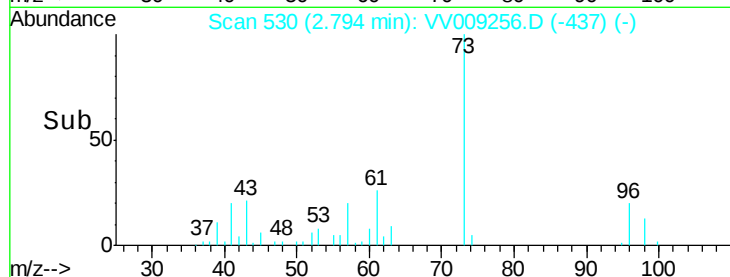
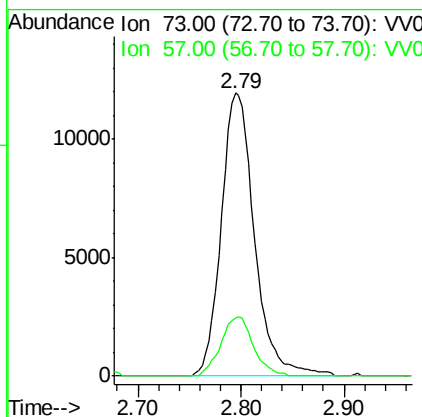
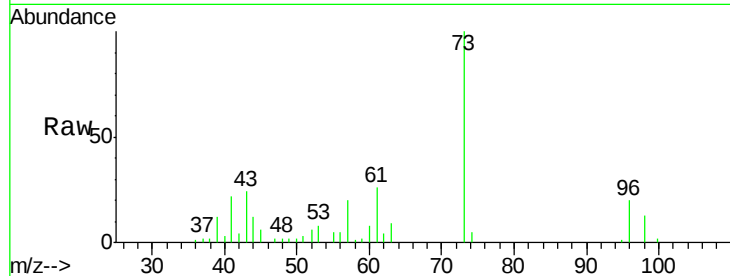
#19
Methvl tert-butvl Ether
Concen: 19.414 ug/l
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 26834
Ion Ratio Lower Upper
73 100
57 20.5 18.0 27.0

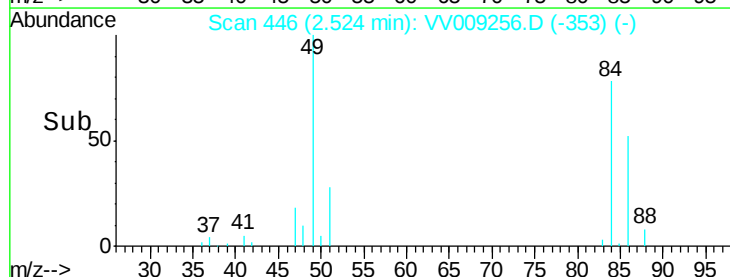
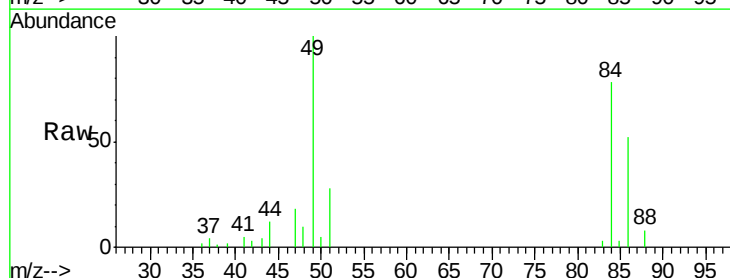
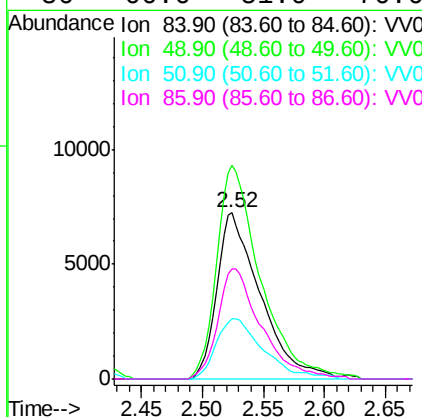
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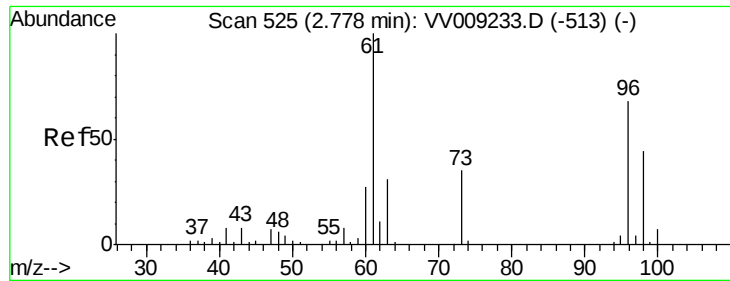
MMDadoda
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#20
Methylene Chloride
Concen: 16.817 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 84 Resp: 17980
Ion Ratio Lower Upper
84 100
49 128.8 102.0 153.0
51 36.2 30.9 46.3
86 66.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.951 ug/l

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 17221

Ion Ratio Lower Upper

96 100

61 133.9 117.7 176.5

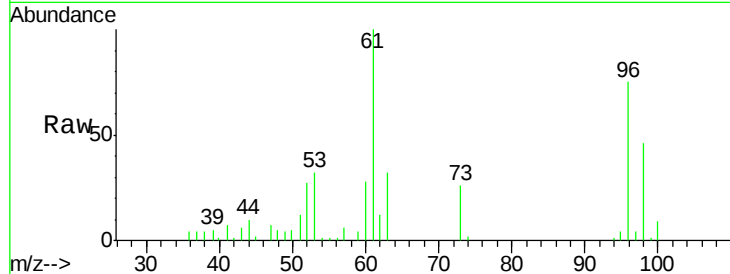
98 61.6 51.5 77.3

Manual Integrations

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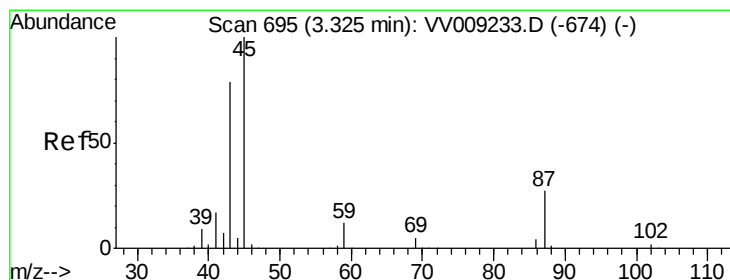
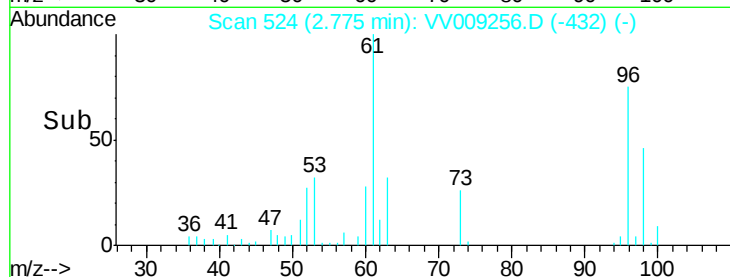
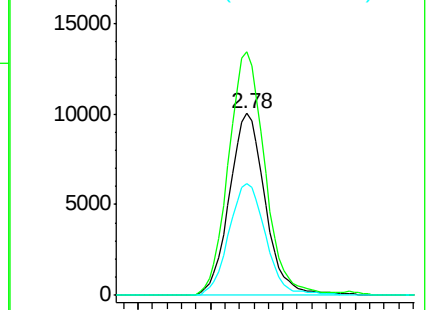
1/25/2019 10:01:27 AM



Abundance Ion 95.90 (95.60 to 96.60): VV009233.D (-513) (-)

Ion 60.90 (60.60 to 61.60): VV009233.D (-513) (-)

Ion 97.90 (97.60 to 98.60): VV009233.D (-513) (-)



#22

Diisopropyl ether

Concen: 19.136 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion: 45 Resp: 62535

Ion Ratio Lower Upper

45 100

43 91.3 63.0 94.4

87 28.1 21.5 32.3

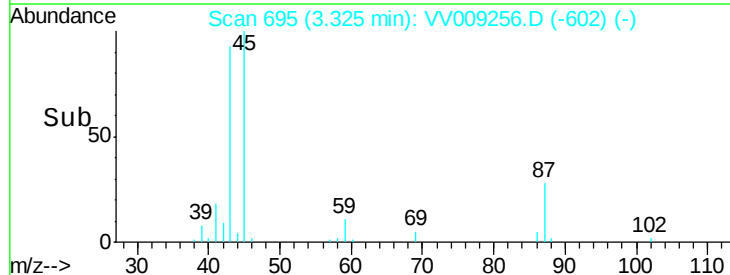
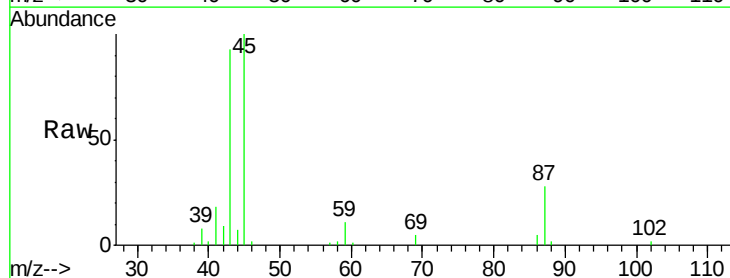
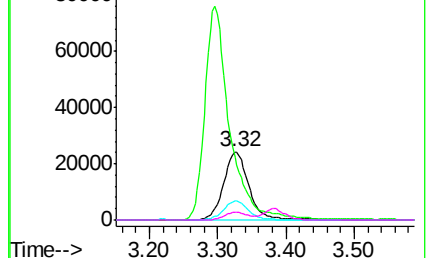
59 11.1 9.3 13.9

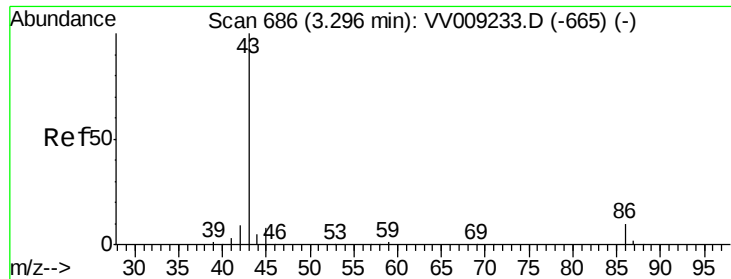
Abundance Ion 45.00 (44.70 to 45.70): VV009233.D (-674) (-)

Ion 43.00 (42.70 to 43.70): VV009233.D (-674) (-)

Ion 87.00 (86.70 to 87.70): VV009233.D (-674) (-)

Ion 59.00 (58.70 to 59.70): VV009233.D (-674) (-)





#23

Vinyl Acetate

Concen: 107.690 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 190947

Ion Ratio Lower Upper

43 100

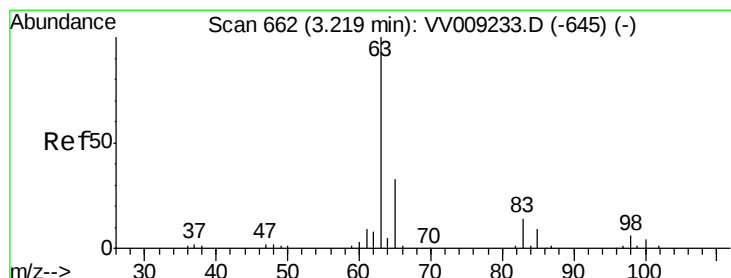
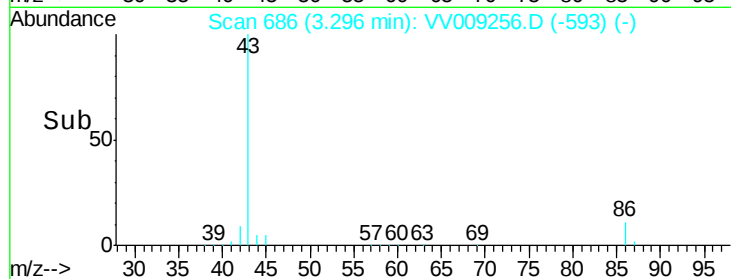
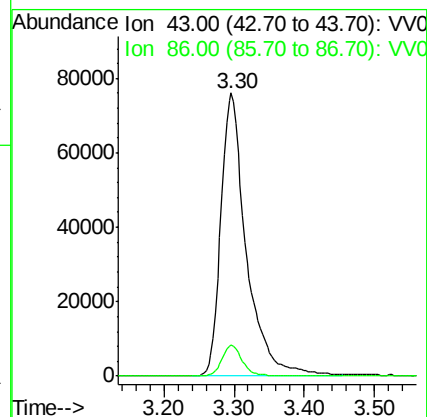
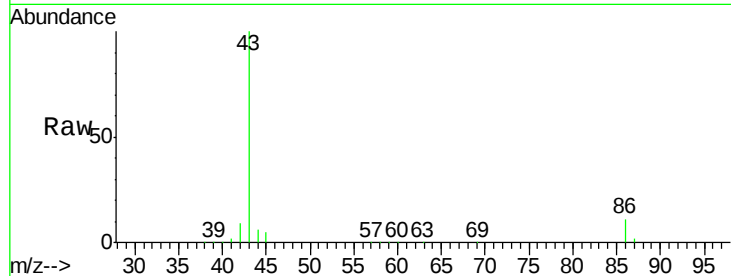
86 11.0 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 18.206 ug/l

RT: 3.21 min Scan# 660

Delta R.T. -0.01 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

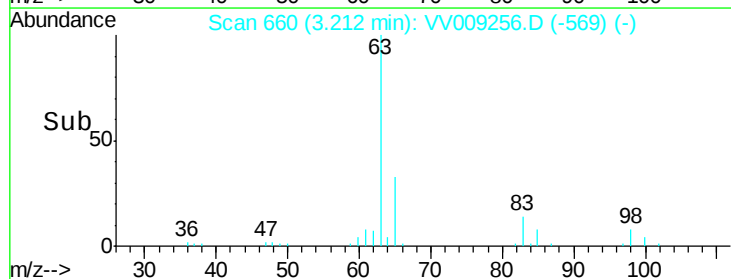
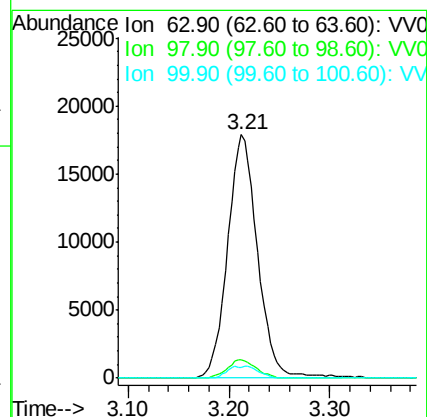
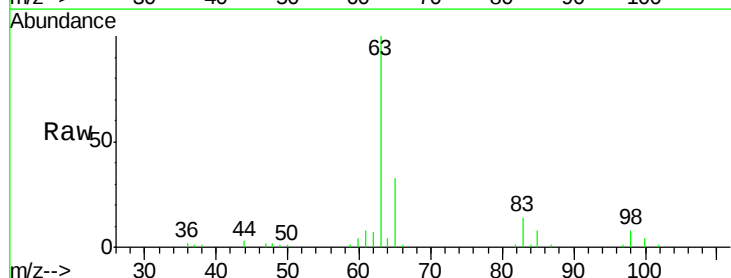
Tgt Ion: 63 Resp: 37015

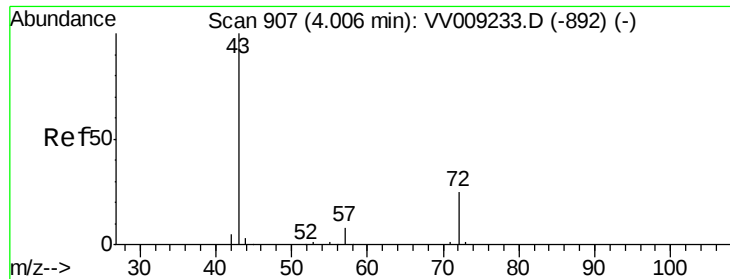
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 120.717 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 38399

Ion Ratio Lower Upper

43 100

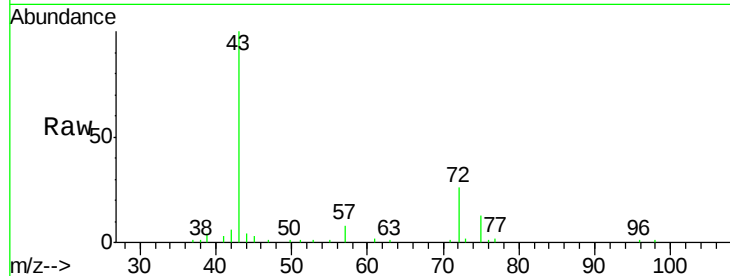
72 26.1 20.2 30.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV009233.D (-892) (-)

4.02

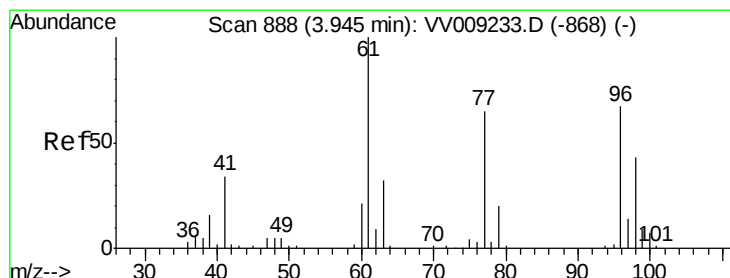
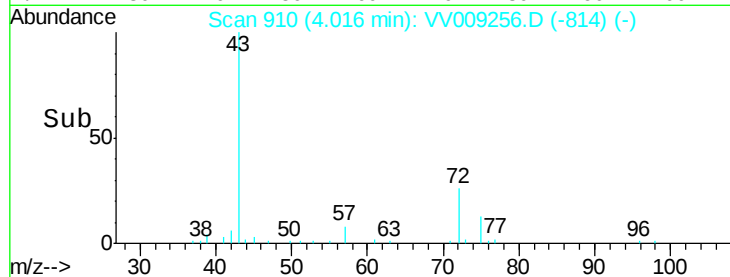
15000

10000

5000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.335 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009256.D

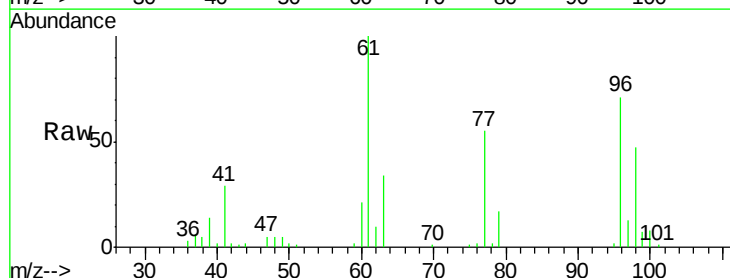
Acq: 24 Jan 2019 13:20

Tgt Ion: 77 Resp: 19835

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV009233.D (-868) (-)

Ion 96.90 (96.60 to 97.60): VV009233.D (-868) (-)

3.95

8000

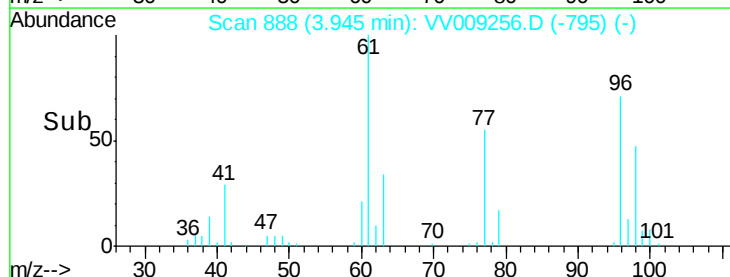
6000

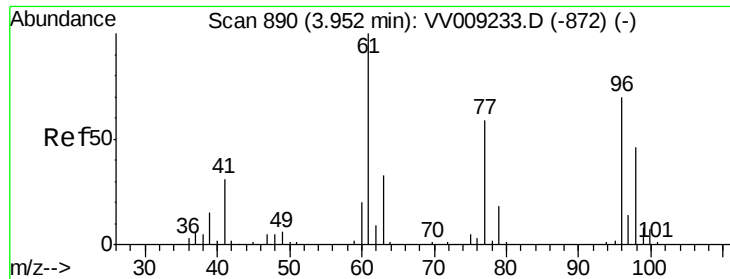
4000

2000

0

Time-->





#27

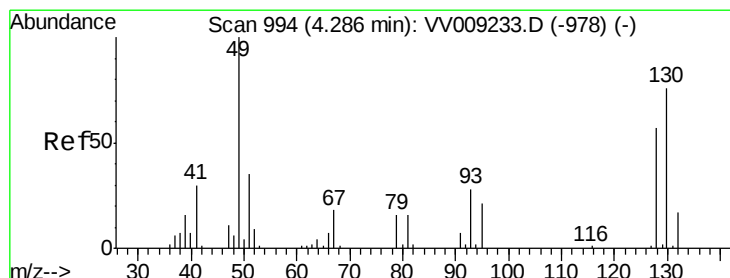
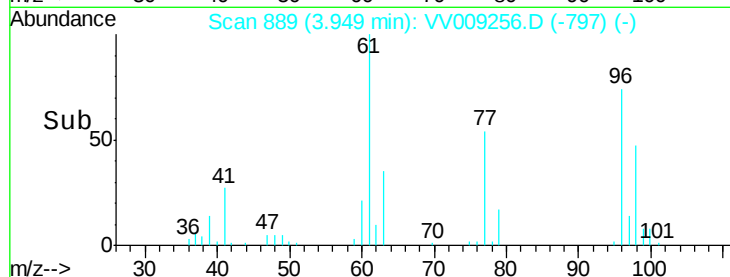
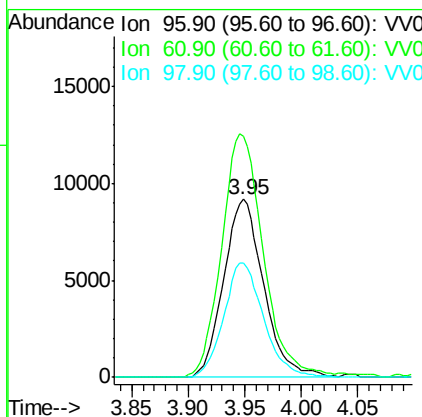
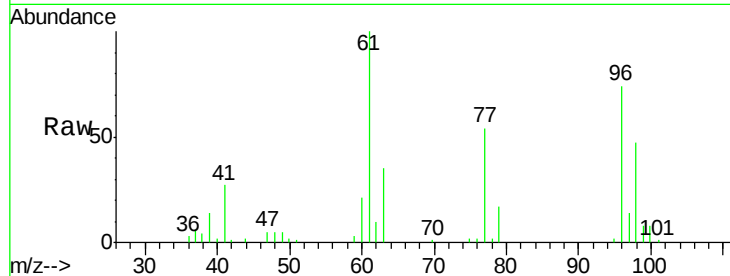
cis-1,2-Dichloroethene
Concen: 19.471 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	22575		
61	142.1		0.0	296.4
98	63.8		0.0	130.0

Manual Integrations
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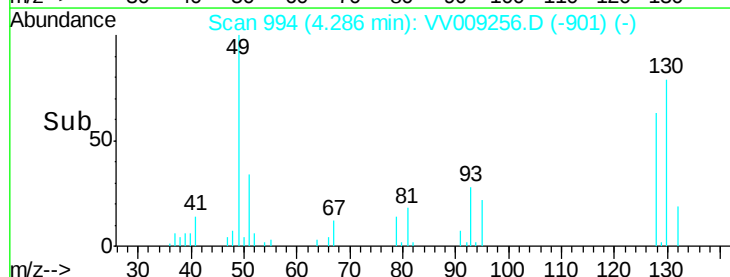
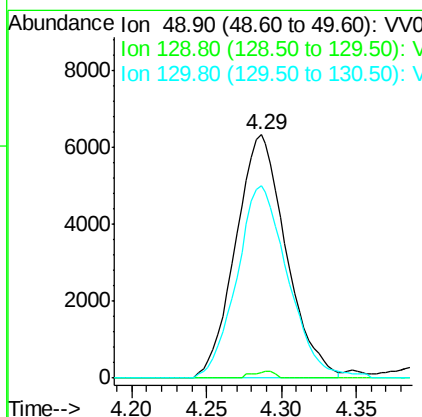
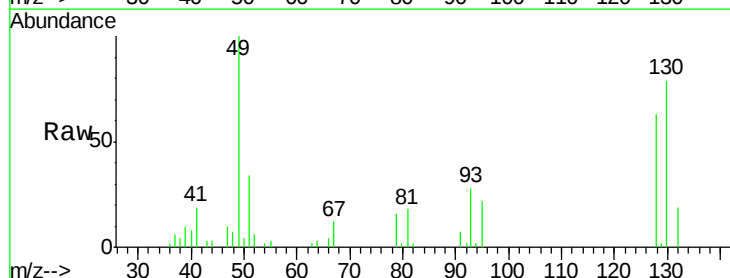
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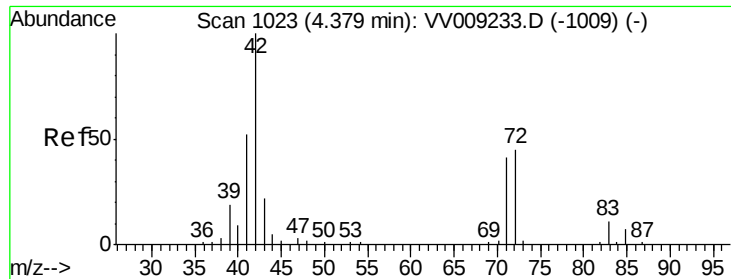


#28

Bromochloromethane
Concen: 19.768 ug/l
RT: 4.29 min Scan# 994
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14831		
129	1.3		0.0	3.6
130	80.2		60.2	90.4





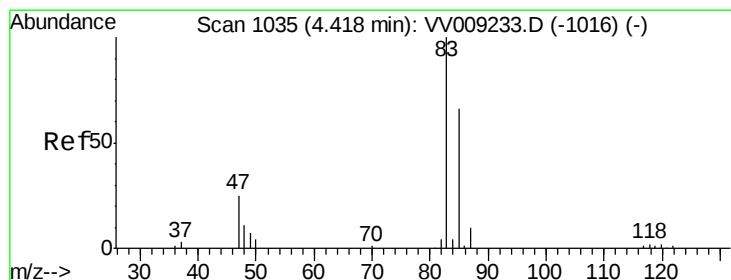
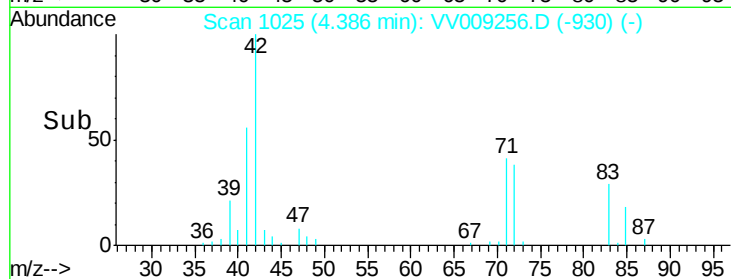
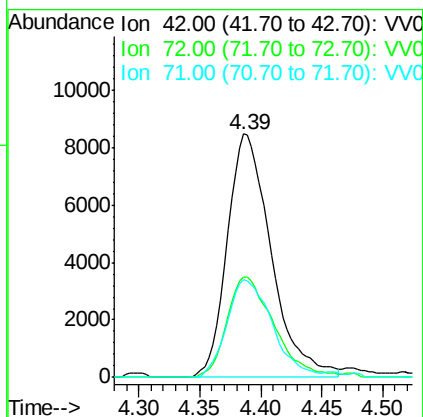
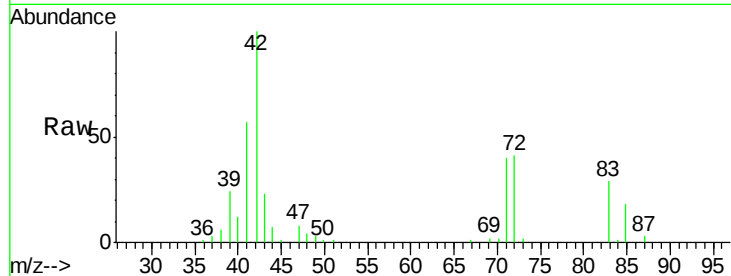
#29
Tetrahydrofuran
Concen: 122.915 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	37.7	56.5
71	41.3	31.5	47.3

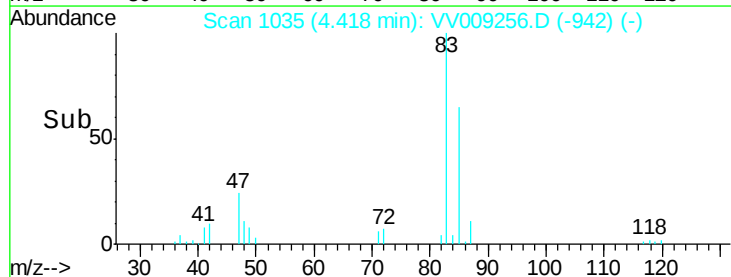
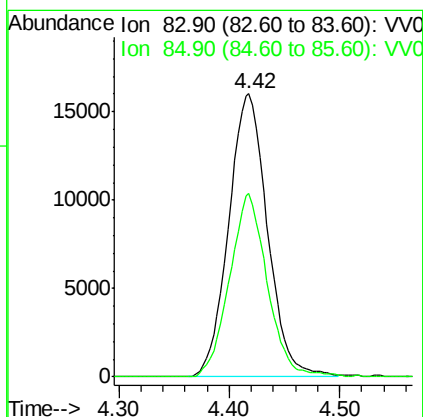
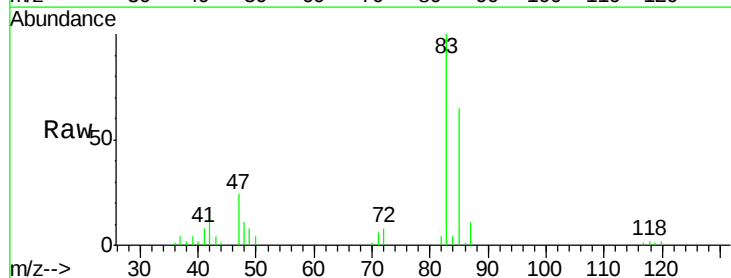
Manual Integrations
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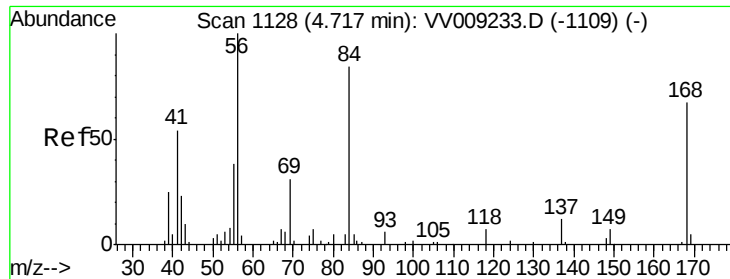
MMDadoda
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#30
Chloroform
Concen: 19.110 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0





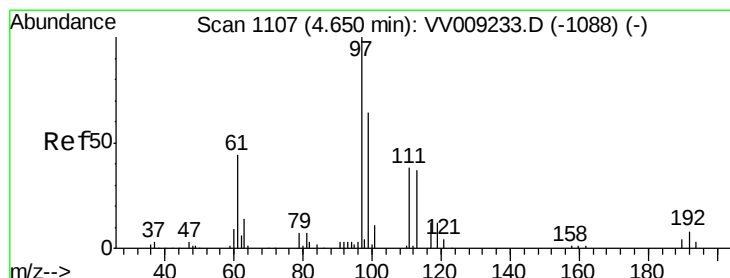
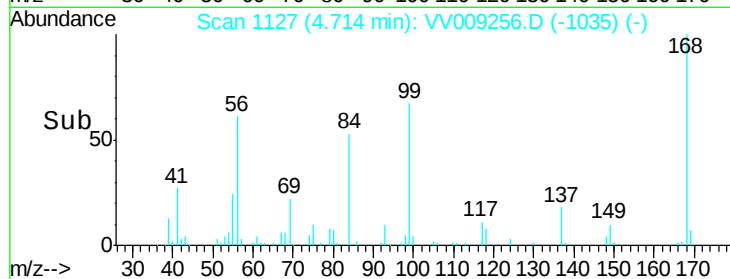
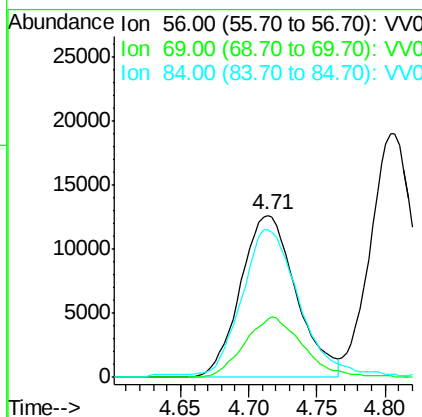
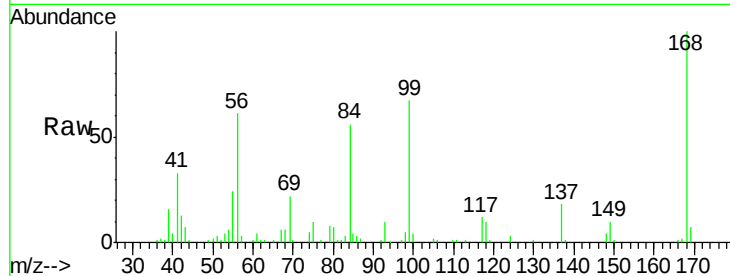
#31
Cyclohexane
Concen: 19.345 ug/l
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.1	37.7
84	89.5	67.3	100.9

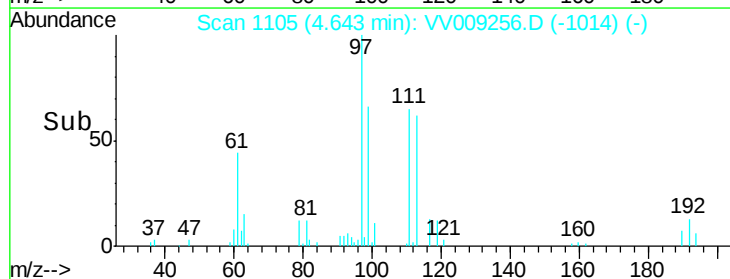
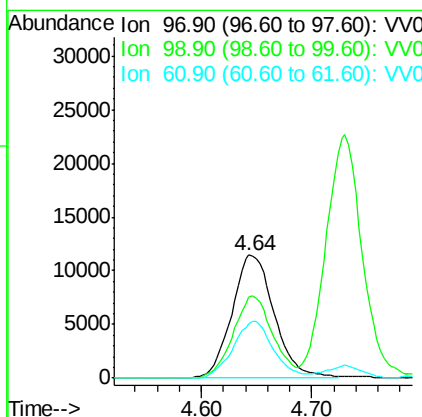
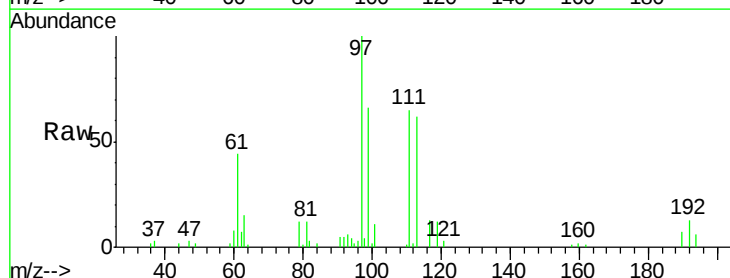
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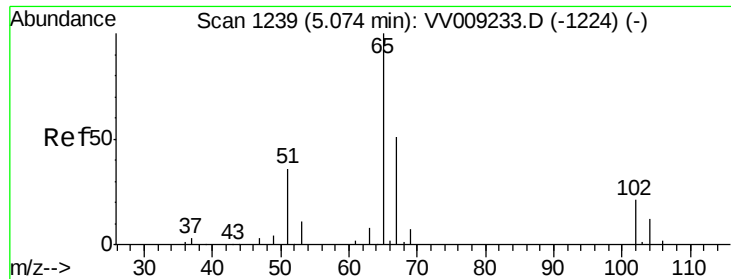
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#32
1,1,1-Trichloroethane
Concen: 17.670 ug/l
RT: 4.64 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.2	75.2
61	43.9	34.7	52.1





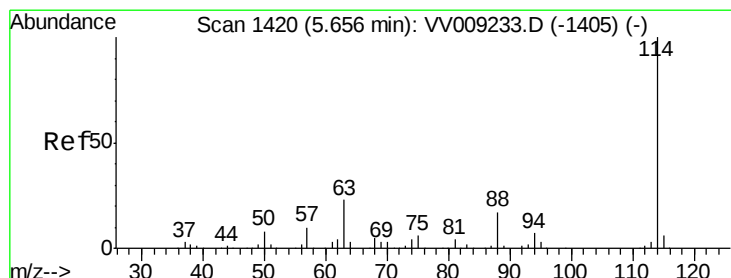
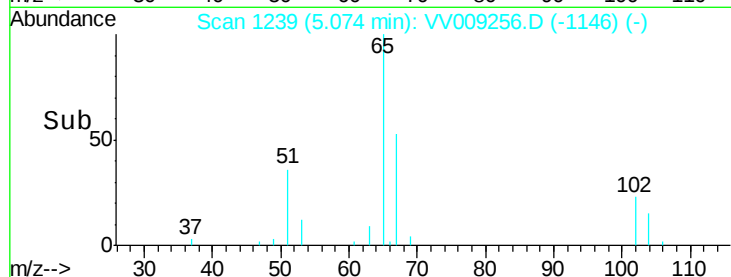
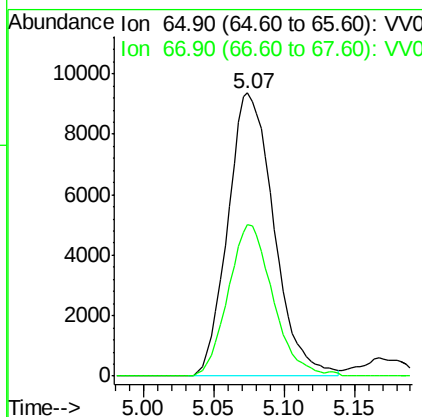
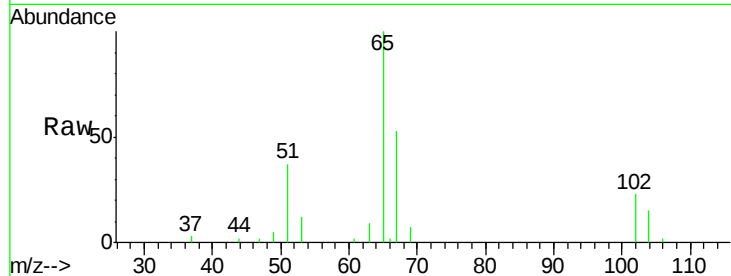
#33
 1,2-Dichloroethane-d4
 Concen: 20.819 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.8

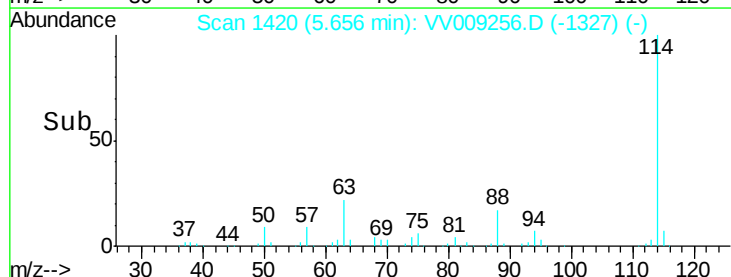
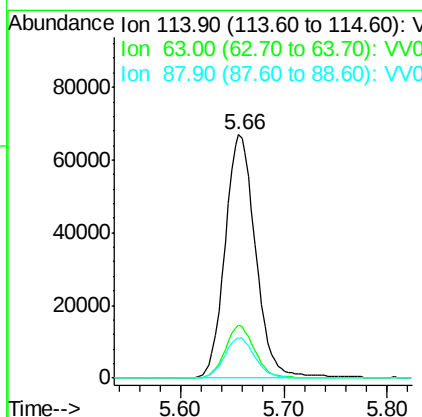
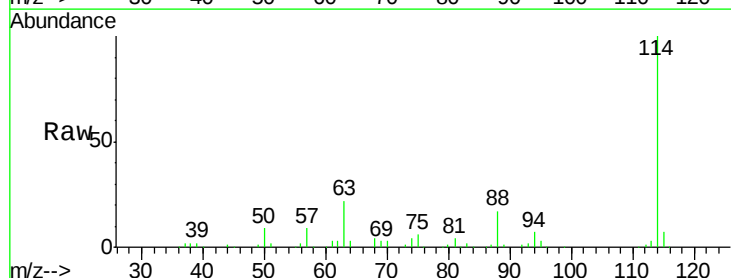
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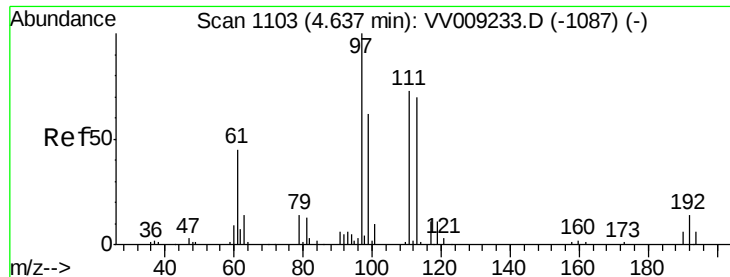
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	45.2
88	16.7	0.0	33.4





#35

Dibromofluoromethane

Concen: 20.882 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 18779

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

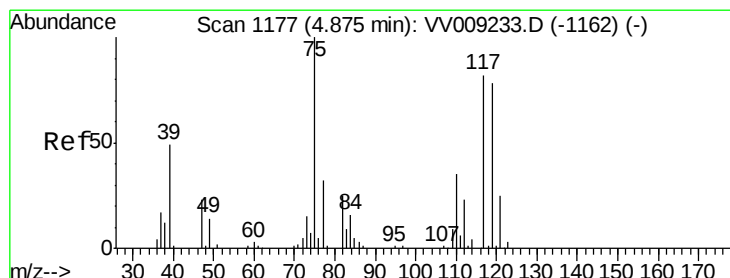
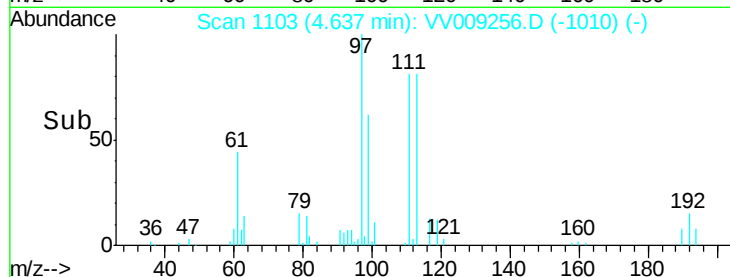
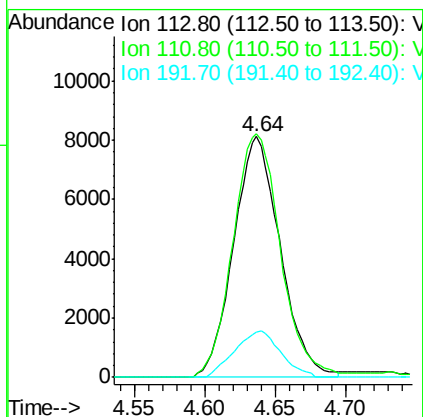
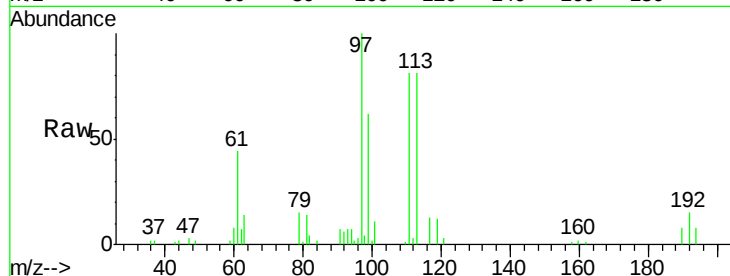
192 19.0 15.0 22.6

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 18.915 ug/l

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

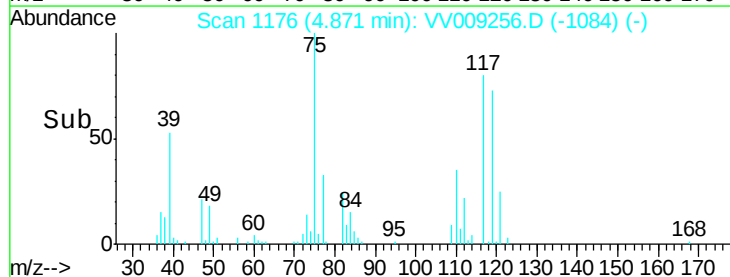
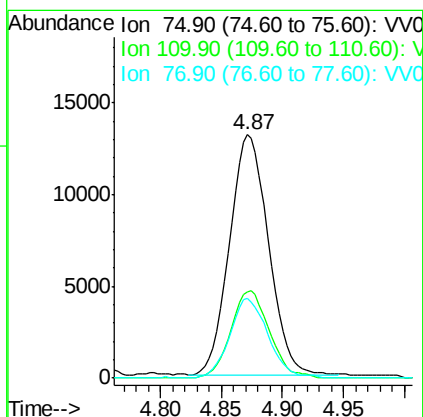
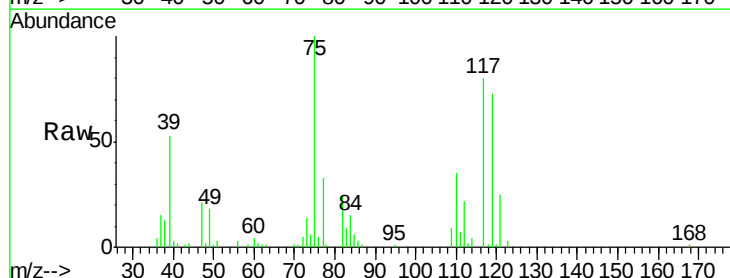
Tgt Ion: 75 Resp: 29023

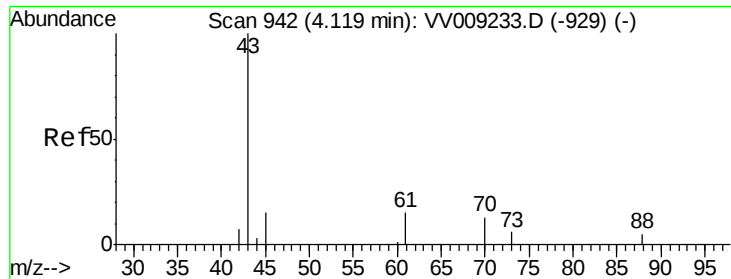
Ion Ratio Lower Upper

75 100

110 36.3 17.5 52.5

77 32.7 25.5 38.3





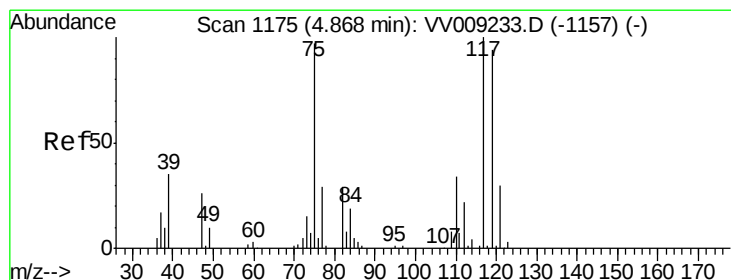
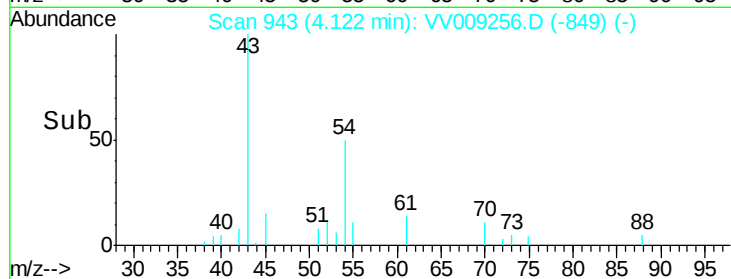
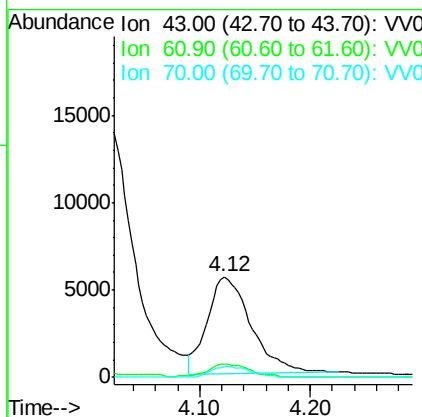
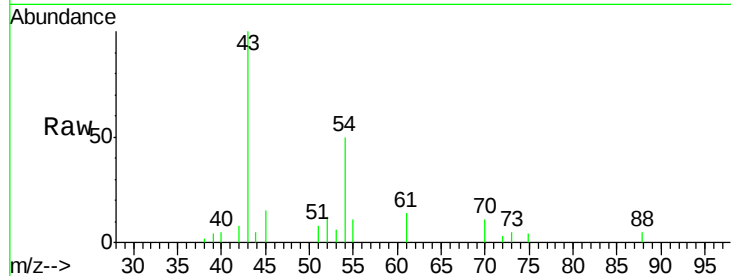
#37
Ethyl Acetate
Concen: 25.919 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.7	12.0	18.0#
70	10.0	8.7	13.1

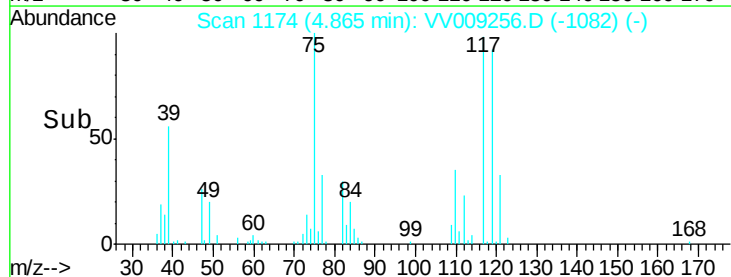
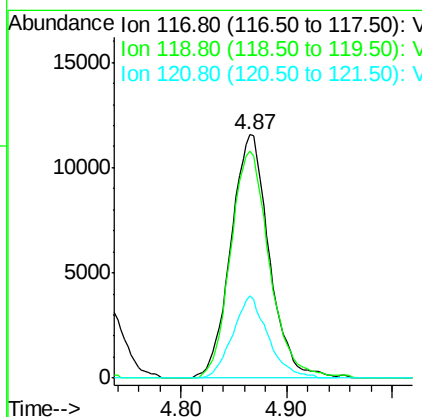
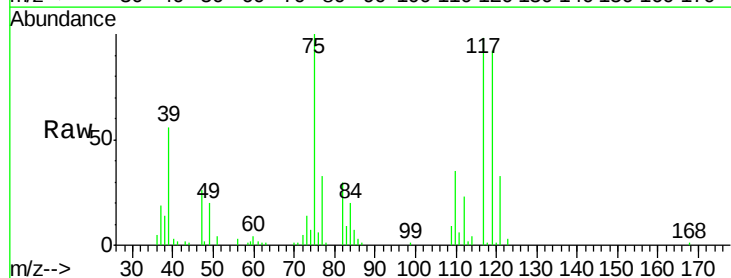
Manual Integrations
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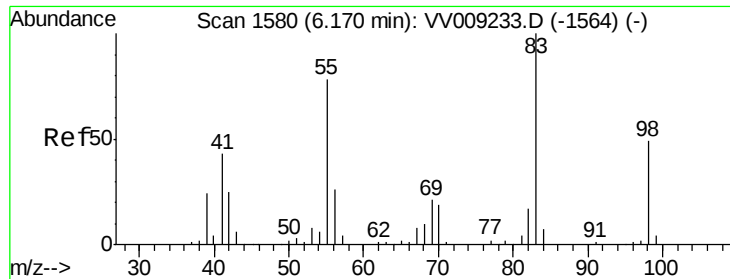
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#38
Carbon Tetrachloride
Concen: 18.988 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.4	113.2
121	33.6	24.2	36.2





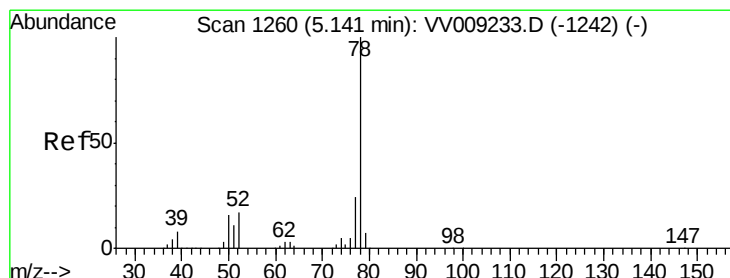
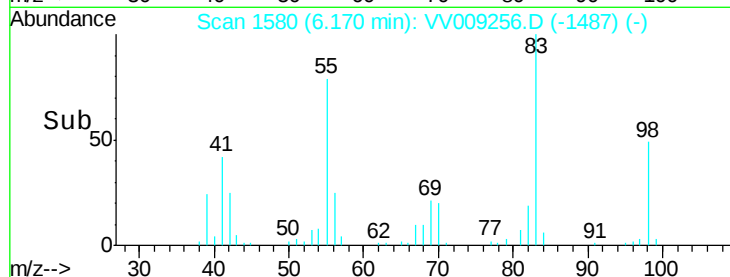
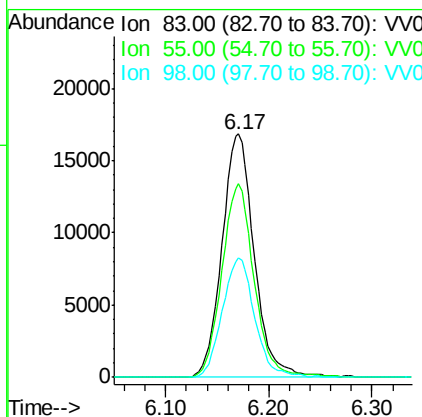
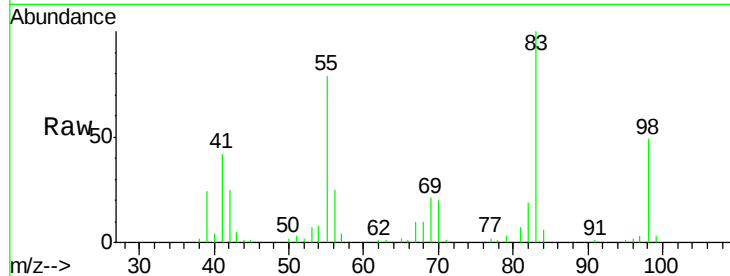
#39
Methvlcvclohexane
Concen: 20.167 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.8	94.2
98	49.1	39.1	58.7

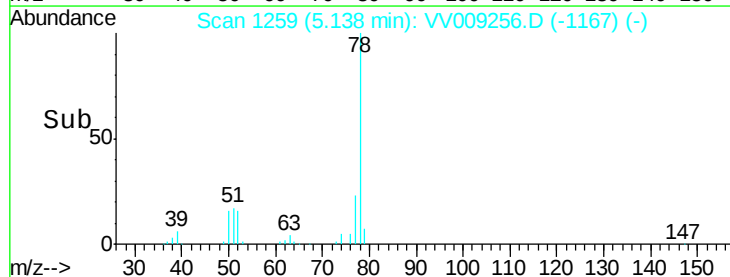
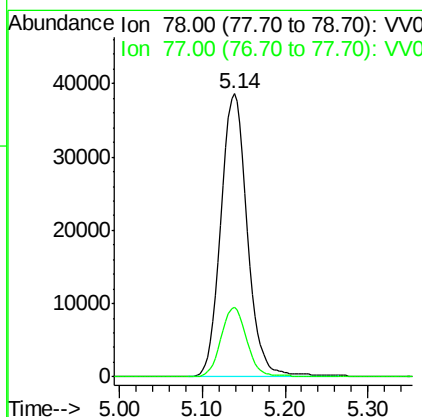
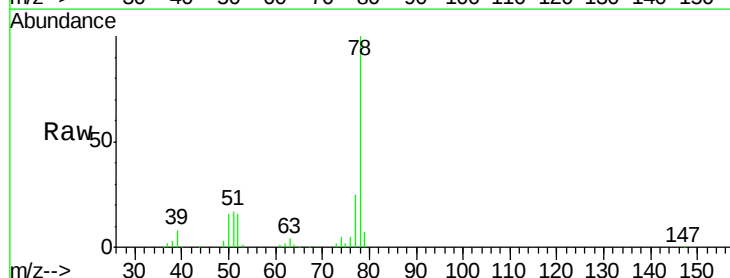
Manual Integrations
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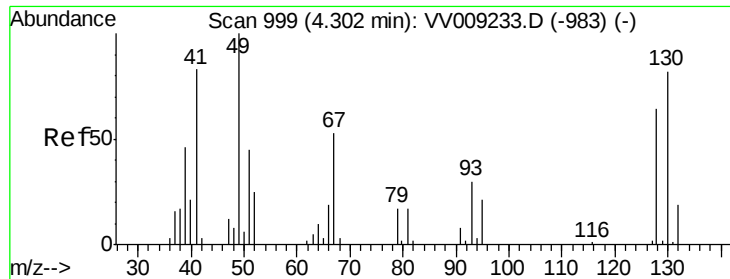
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#40
Benzene
Concen: 20.043 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.2





#41

Methacrylonitrile

Concen: 23.349 ug/l

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 8298

Ion Ratio Lower Upper

41 100

39 54.2 45.4 68.0

67 69.2 55.5 83.3

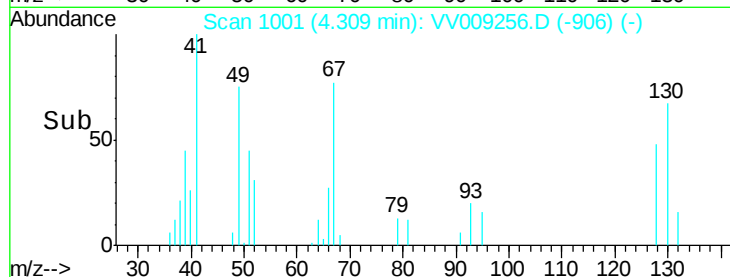
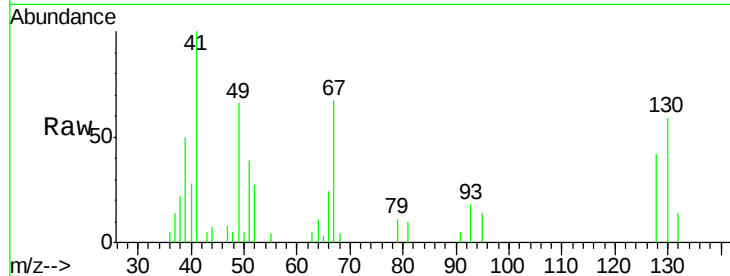
52 28.2 25.2 37.8

Manual Integrations

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MMDadoda

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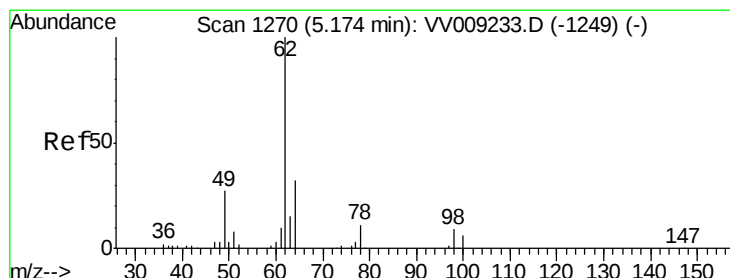
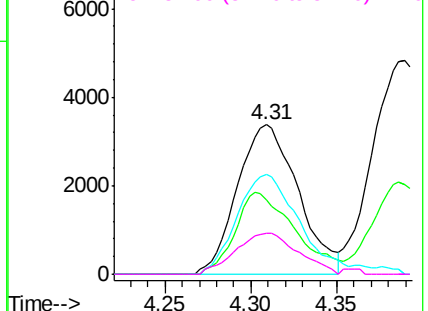


Abundance Ion 41.00 (40.70 to 41.70): VV009233.D (-983) (-)

Ion 39.00 (38.70 to 39.70): VV009233.D (-983) (-)

Ion 67.00 (66.70 to 67.70): VV009233.D (-983) (-)

Ion 52.00 (51.70 to 52.70): VV009233.D (-983) (-)



#42

1,2-Dichloroethane

Concen: 19.734 ug/l

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV009256.D

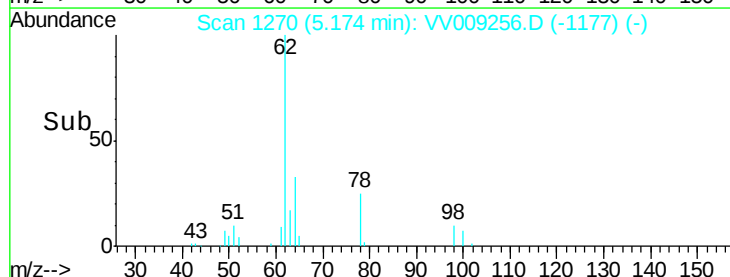
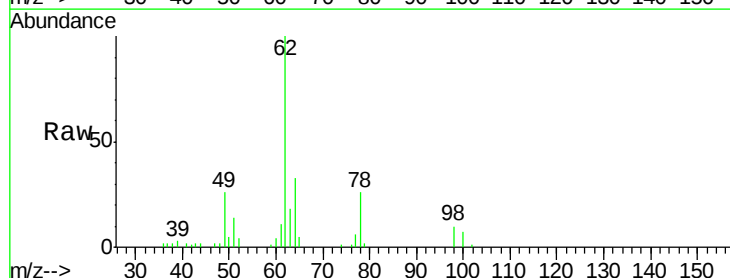
Acq: 24 Jan 2019 13:20

Tgt Ion: 62 Resp: 26505

Ion Ratio Lower Upper

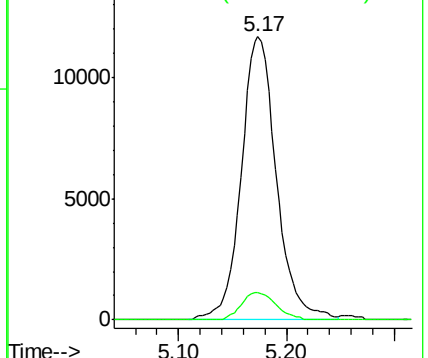
62 100

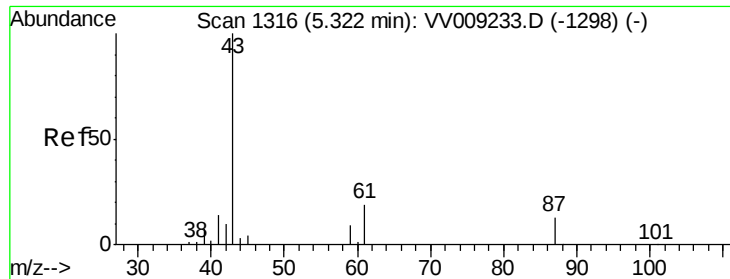
98 9.5 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VV009233.D (-1249) (-)

Ion 97.90 (97.60 to 98.60): VV009233.D (-1249) (-)





#43

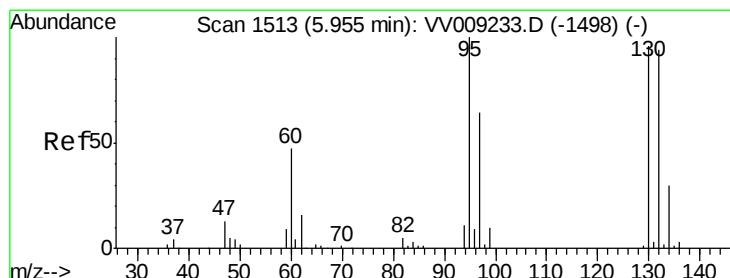
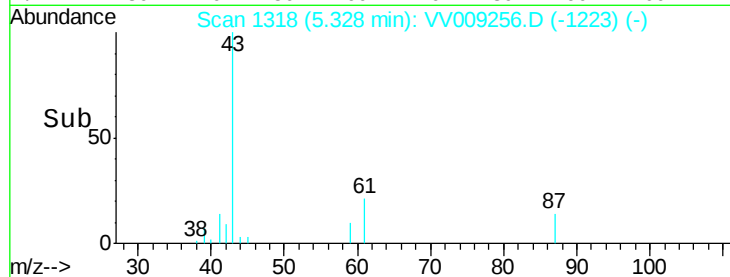
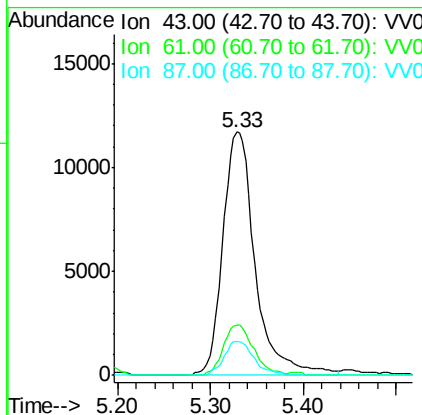
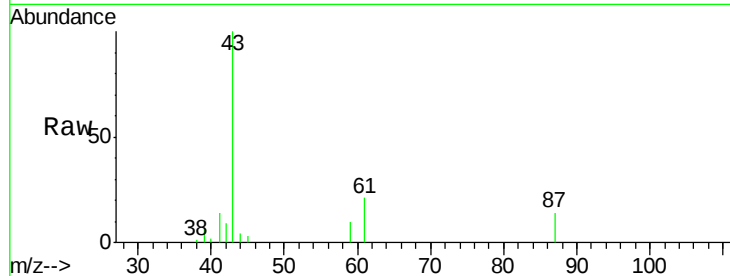
Isopropyl Acetate
 Concen: 24.424 ug/l
 RT: 5.33 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	12.8	9.9	14.9

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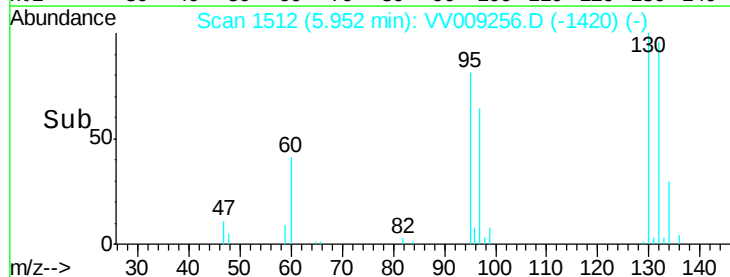
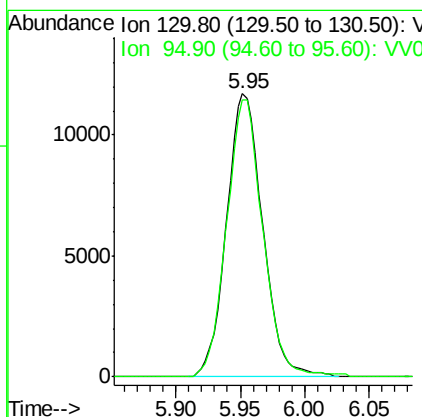
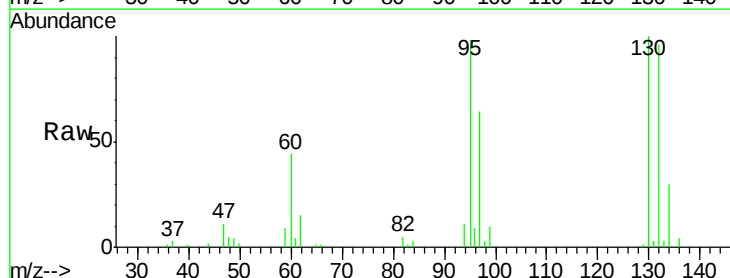
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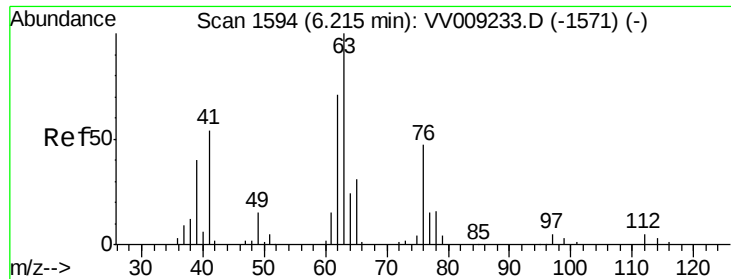


#44

Trichloroethene
 Concen: 20.210 ug/l
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	208.2





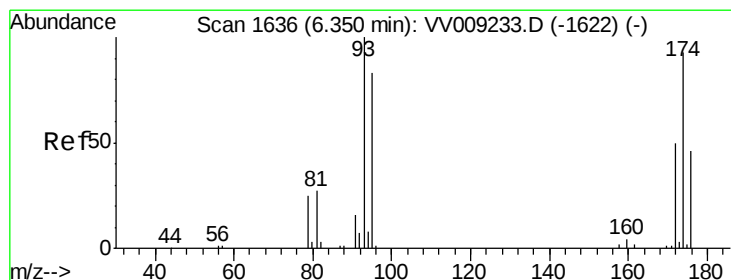
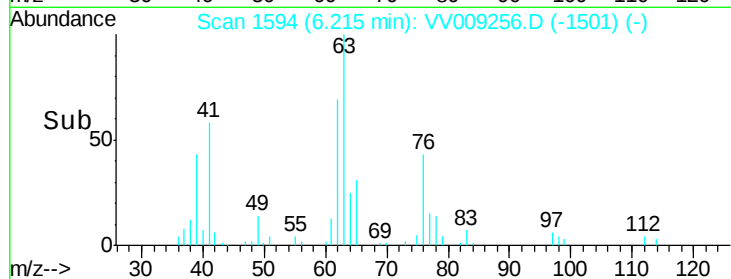
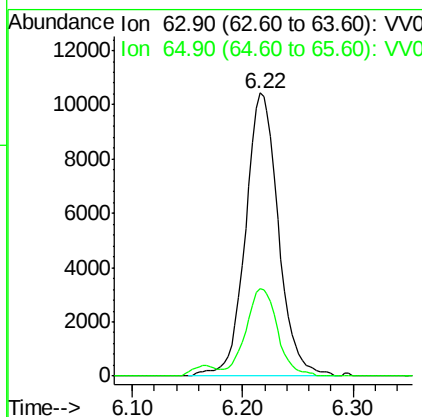
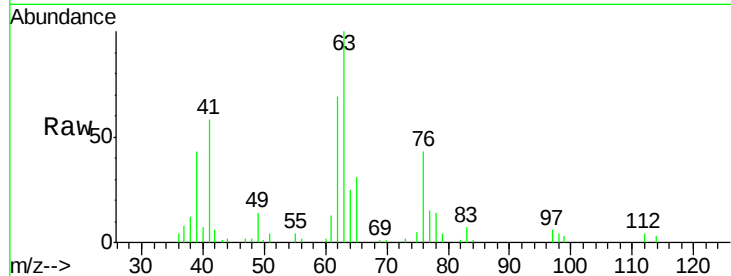
#45
 1,2-Dichloropropane
 Concen: 20.898 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 21572
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7

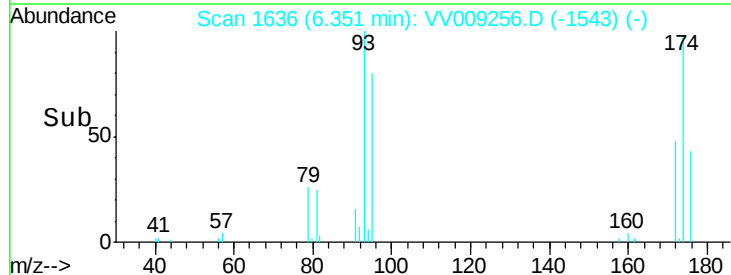
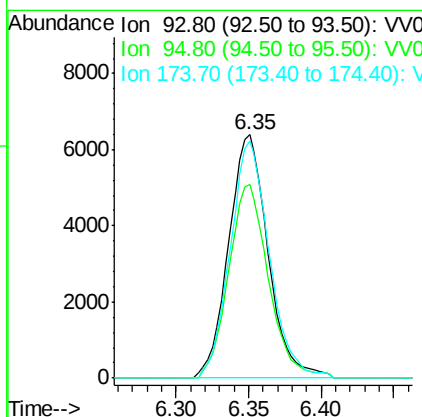
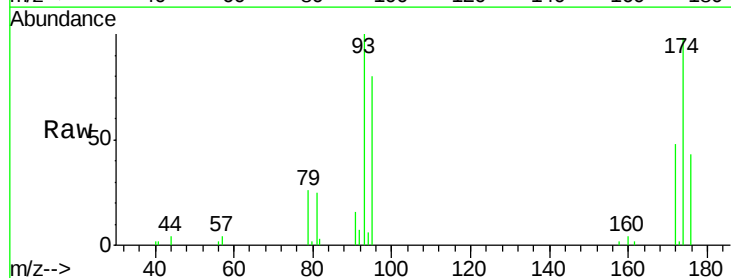
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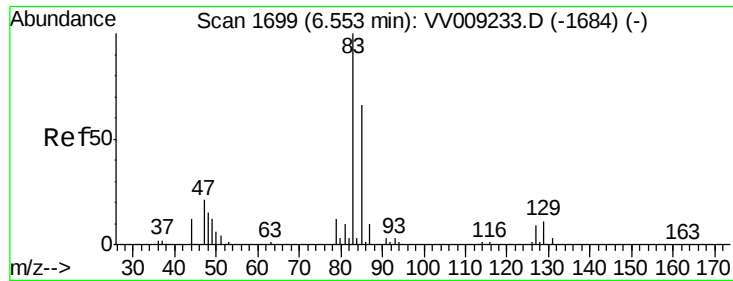
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#46
 Dibromomethane
 Concen: 22.804 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 93 Resp: 12079
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.6 97.0
 174 96.8 74.0 111.0





#47

Bromodichloromethane

Concen: 19.882 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

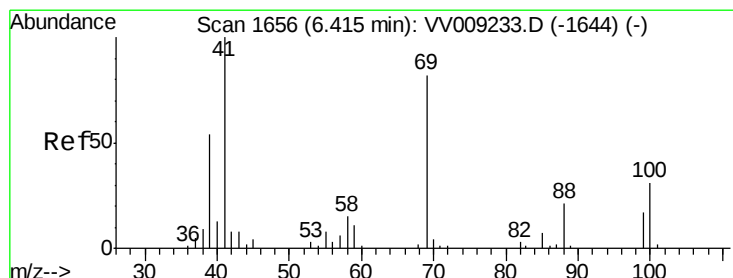
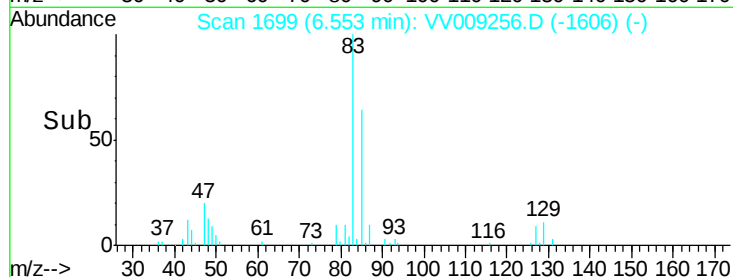
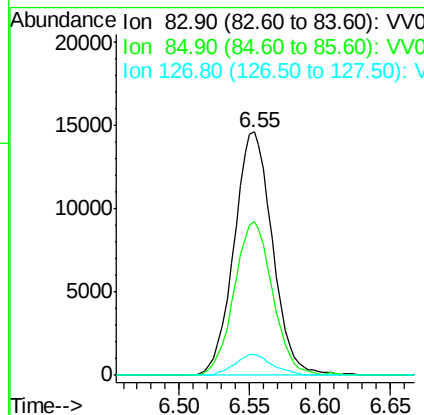
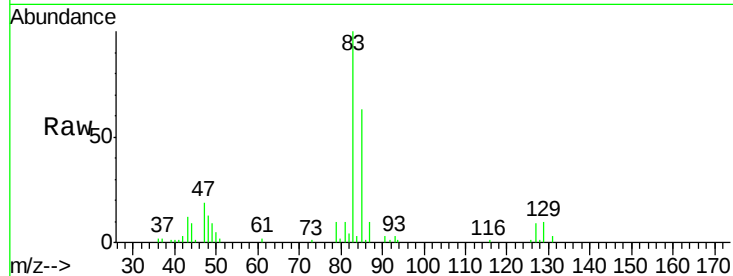
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	27829
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8
127	8.5	7.0	10.6

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#48

Methyl methacrylate

Concen: 23.246 ug/l

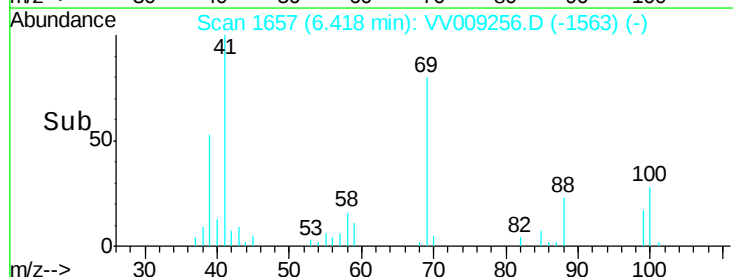
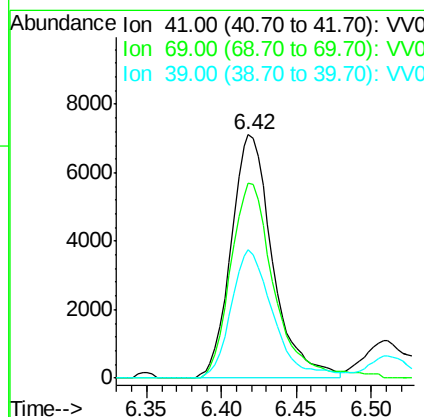
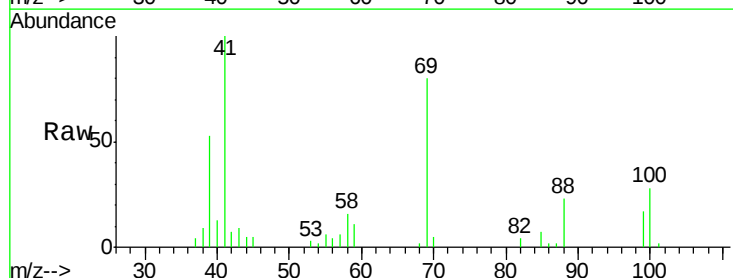
RT: 6.42 min Scan# 1657

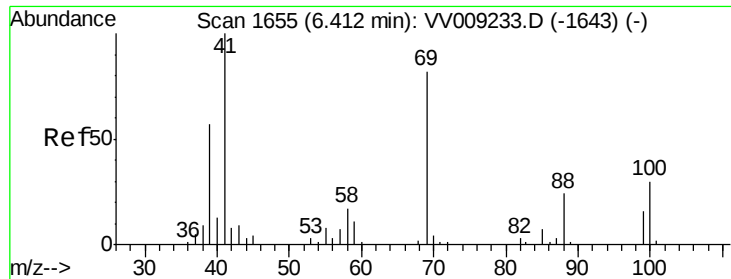
Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion:	41	Resp:	13759
Ion	Ratio	Lower	Upper
41	100		
69	81.9	65.8	98.6
39	53.5	43.4	65.0





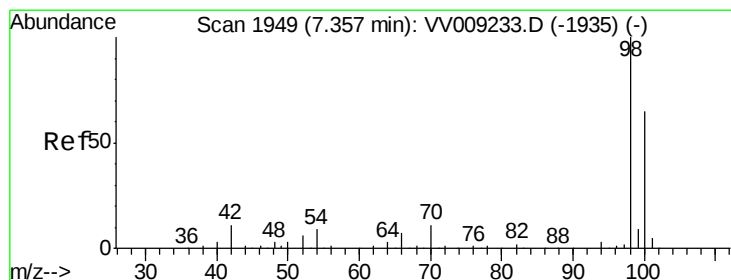
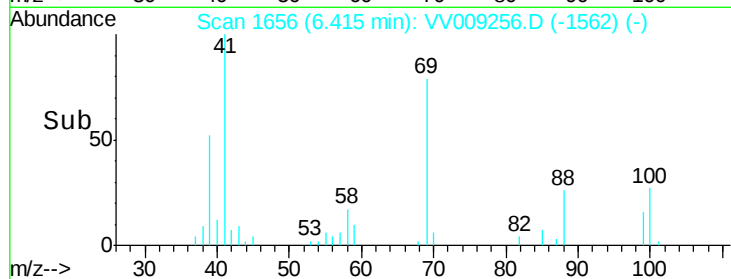
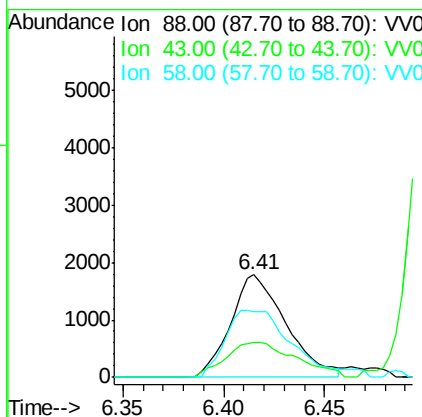
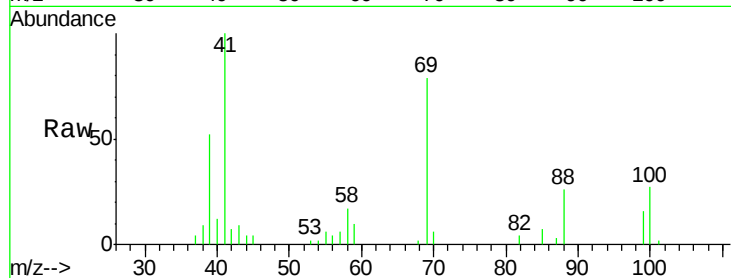
#49
1,4-Dioxane
Concen: 506.135 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	31.9	47.9
58	79.6	62.0	93.0

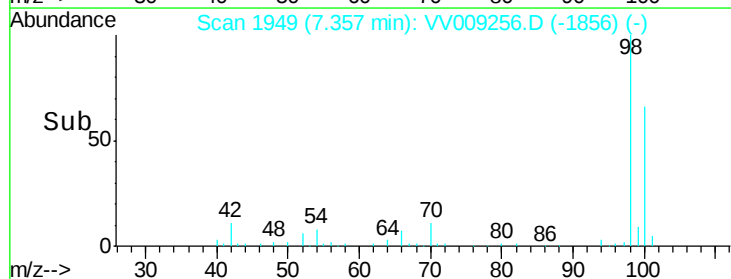
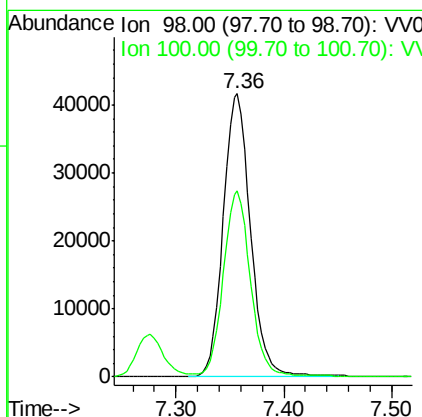
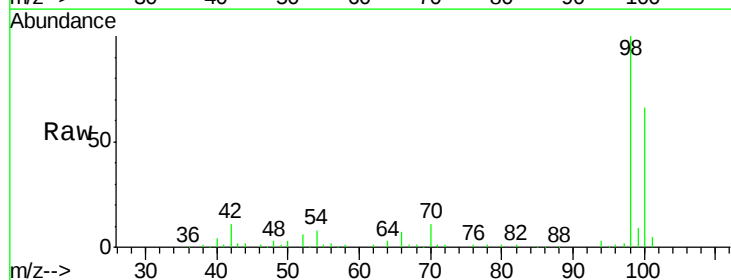
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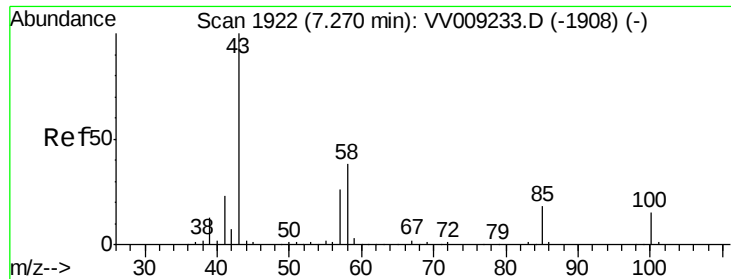
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#50
Toluene-d8
Concen: 21.012 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 123.038 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 72427

Ion Ratio Lower Upper

43 100

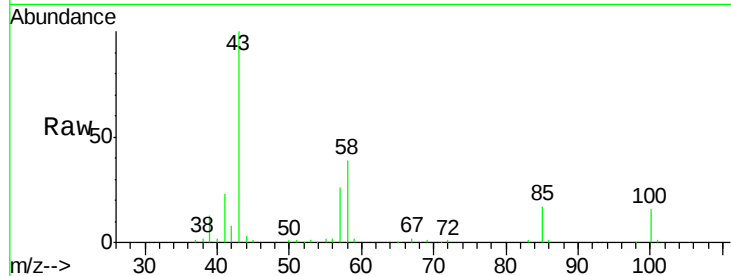
58 37.7 30.4 45.6

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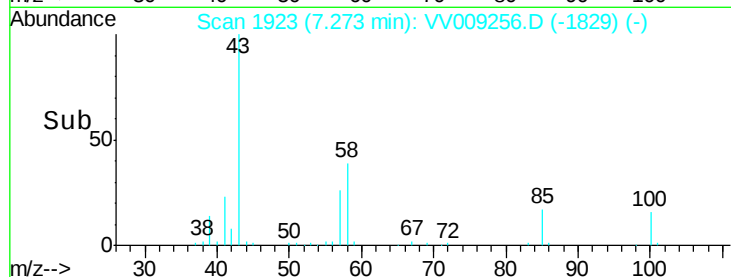


Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV009233.D (-1908) (-)

7.27

Time-->



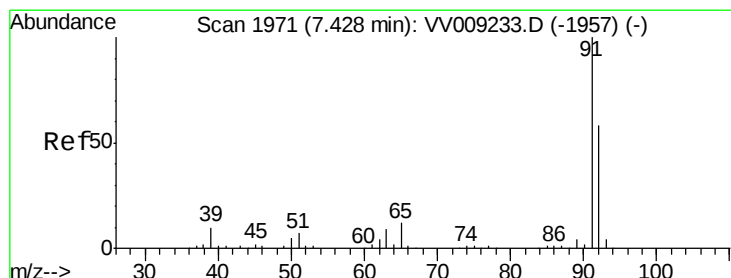
Abundance

Ion 43.00 (42.70 to 43.70): VV009233.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV009233.D (-1908) (-)

7.27

Time-->



#52

Toluene

Concen: 19.712 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009256.D

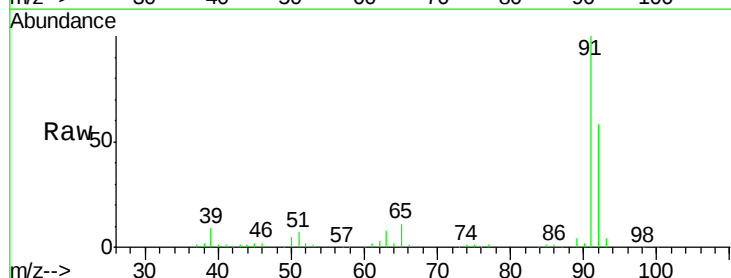
Acq: 24 Jan 2019 13:20

Tgt Ion: 92 Resp: 53511

Ion Ratio Lower Upper

92 100

91 171.4 137.2 205.8

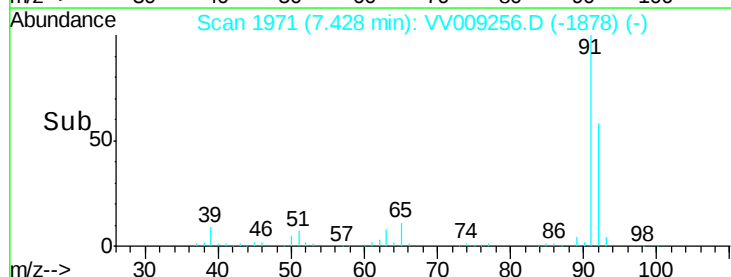


Abundance Ion 92.00 (91.70 to 92.70): VV009233.D (-1957) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-1957) (-)

7.43

Time-->



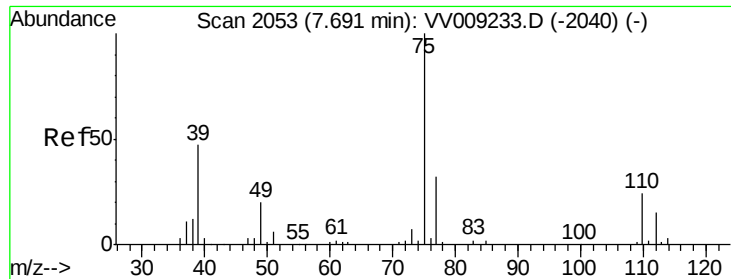
Abundance

Ion 92.00 (91.70 to 92.70): VV009233.D (-1957) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-1957) (-)

7.43

Time-->



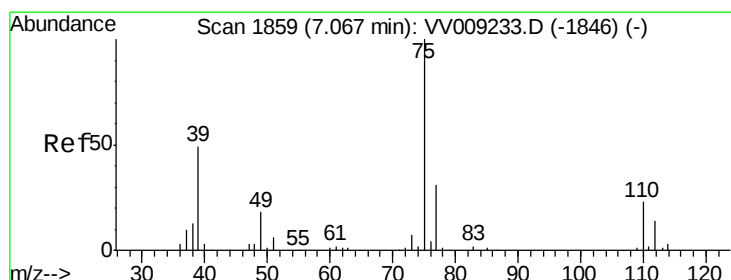
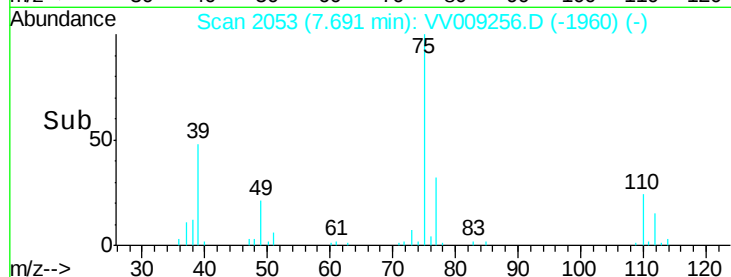
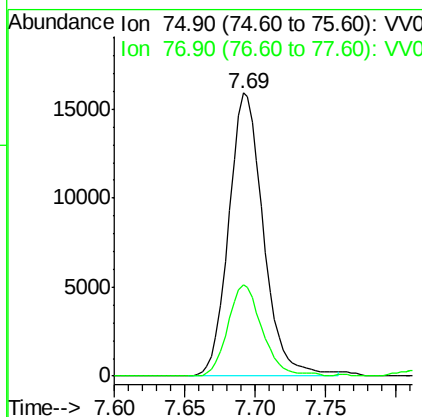
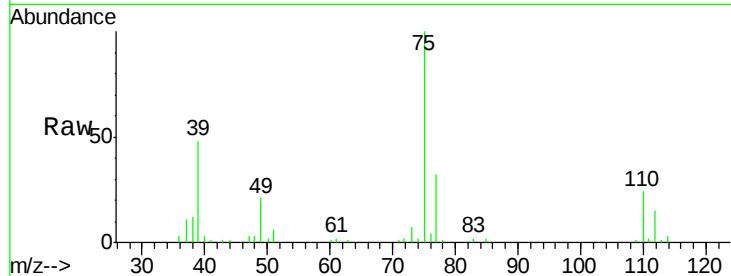
#53
t-1,3-Dichloropropene
Concen: 20.126 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 27418
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8

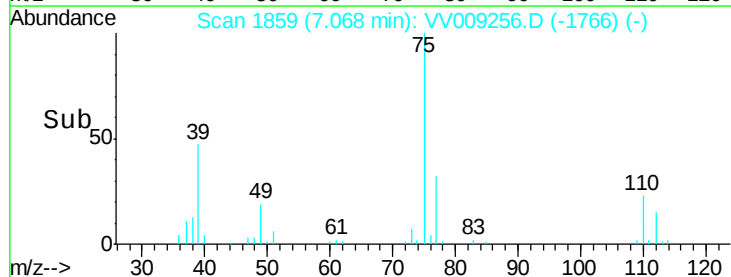
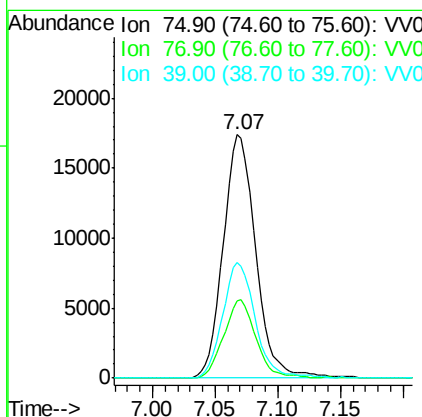
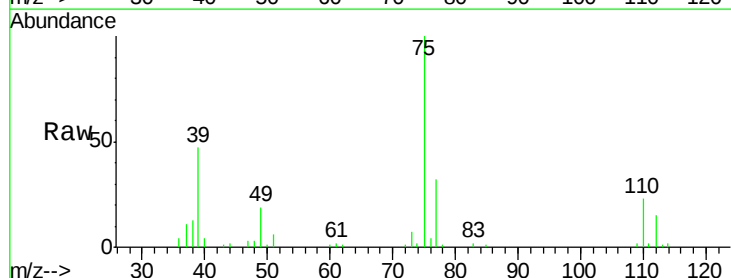
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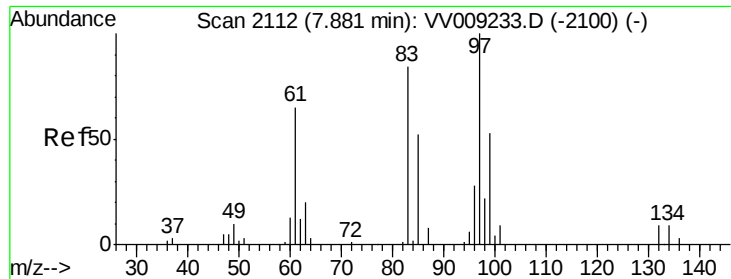
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#54
cis-1,3-Dichloropropene
Concen: 19.916 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 75 Resp: 31241
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 47.5 38.8 58.2





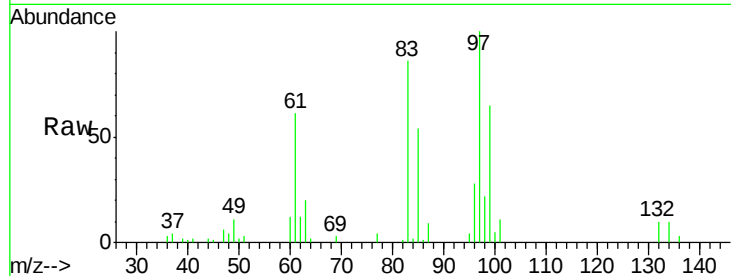
#55
 1,1,2-Trichloroethane
 Concen: 22.136 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

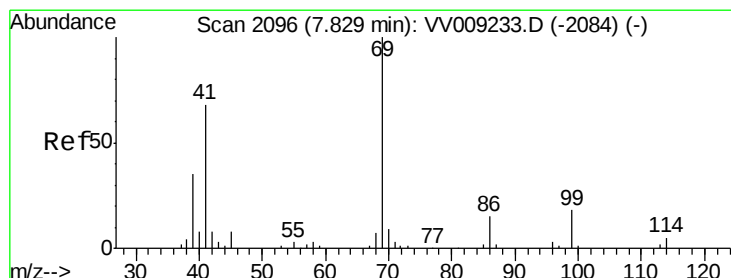
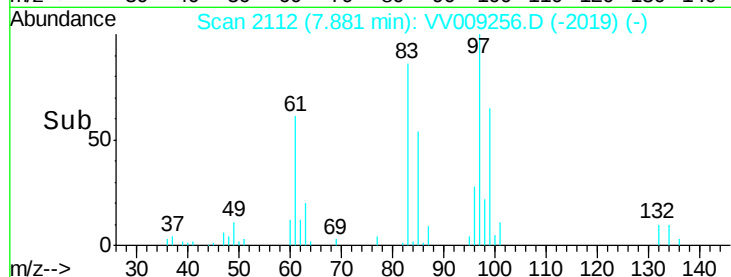
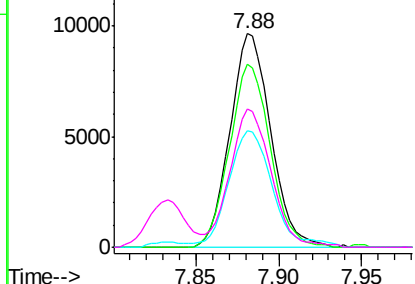
Tot Ion:	97	Resp:	16520
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.4	101.0
85	52.9	42.6	64.0
99	63.6	51.1	76.7

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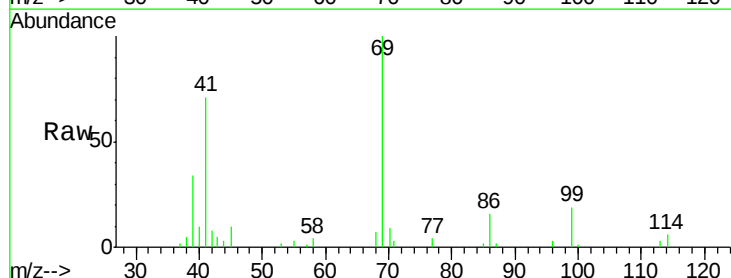


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

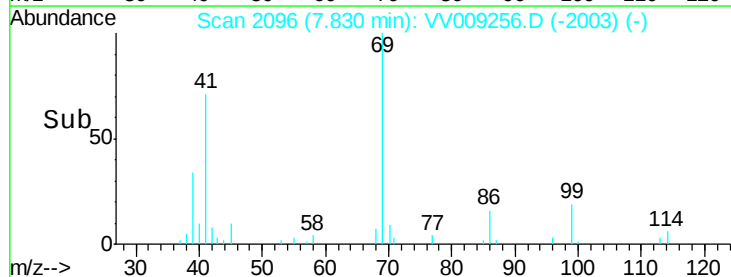
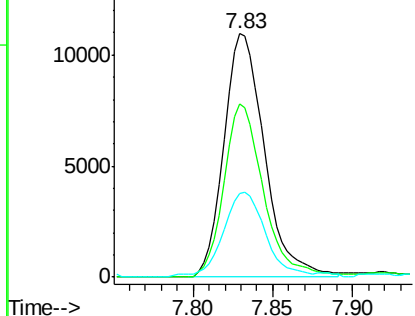


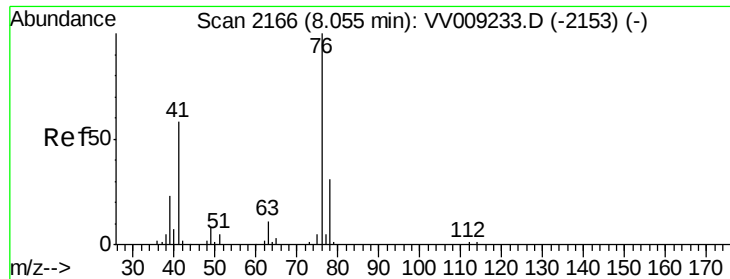
#56
 Ethyl methacrylate
 Concen: 21.907 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion:	69	Resp:	19048
Ion	Ratio	Lower	Upper
69	100		
41	69.2	54.0	81.0
39	37.1	26.8	40.2



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





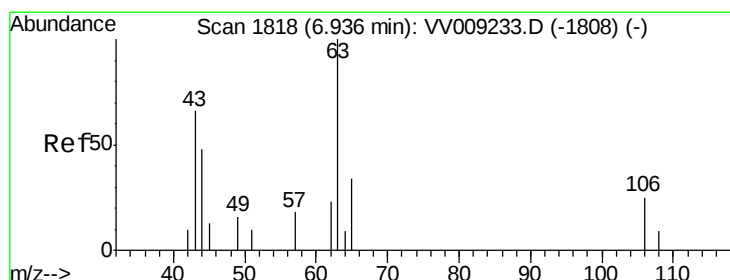
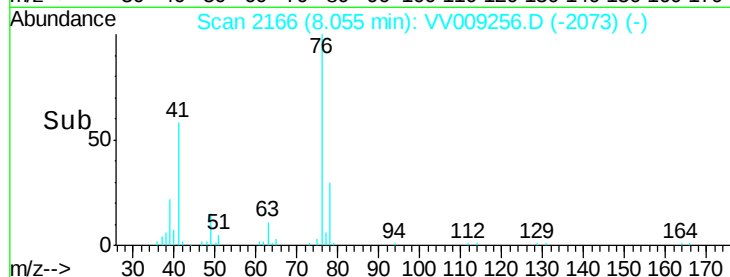
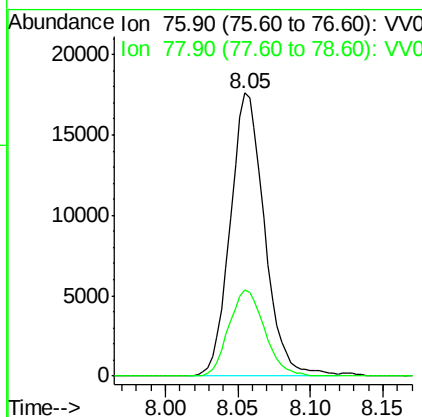
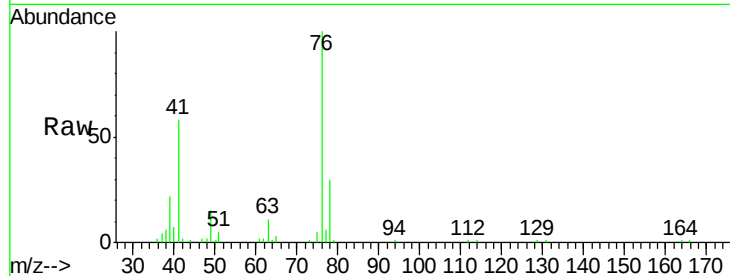
#57
 1,3-Dichloropropane
 Concen: 21.426 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 28951
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3

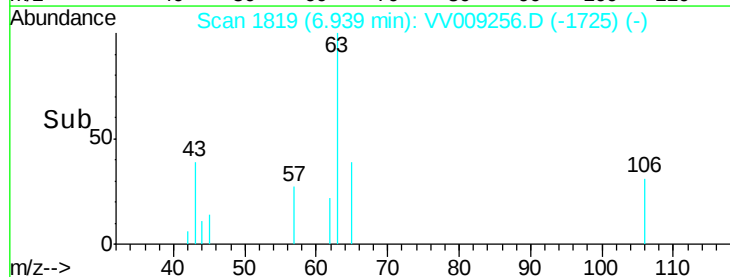
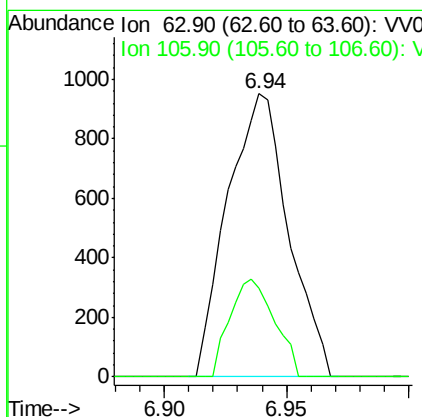
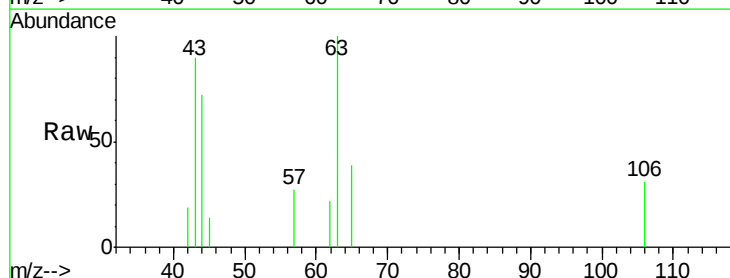
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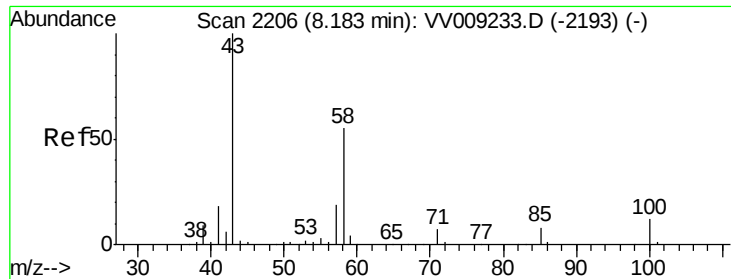
MMDadoda
 1/25/2019 10:01:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.360 ug/l
 RT: 6.94 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 63 Resp: 1649
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.0 28.6





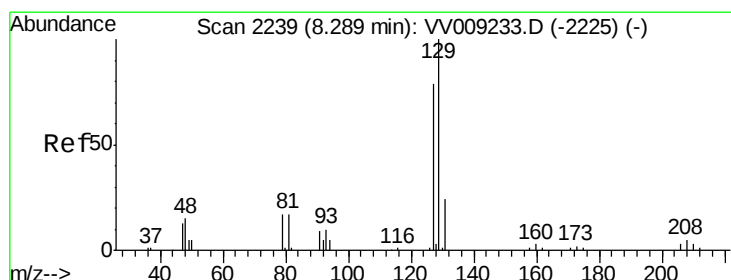
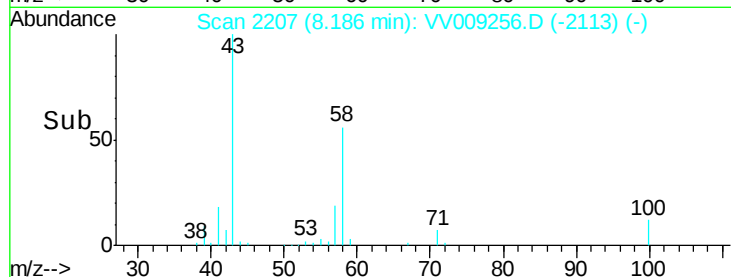
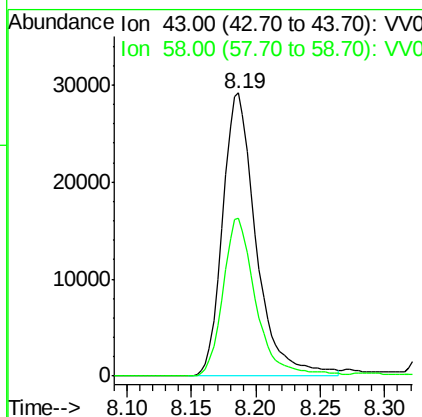
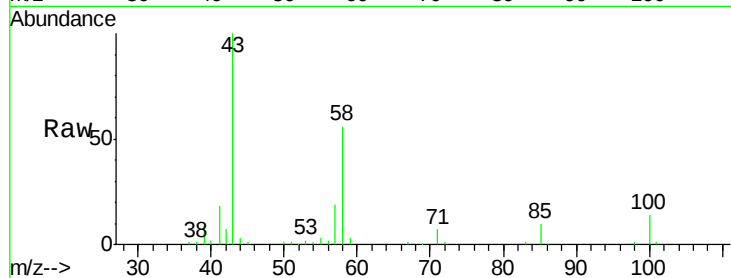
#59
2-Hexanone
Concen: 124.067 ug/l
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 52823
Ion Ratio Lower Upper
43 100
58 54.5 27.5 82.5

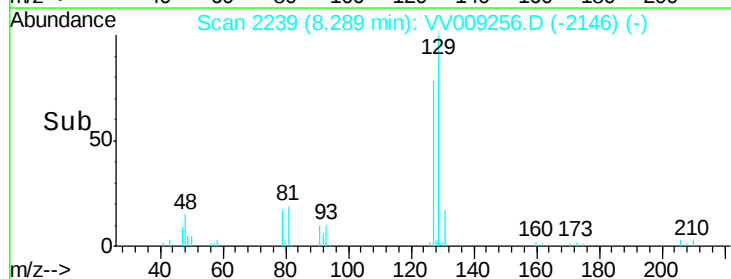
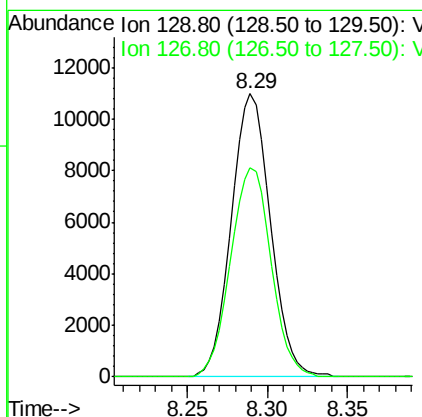
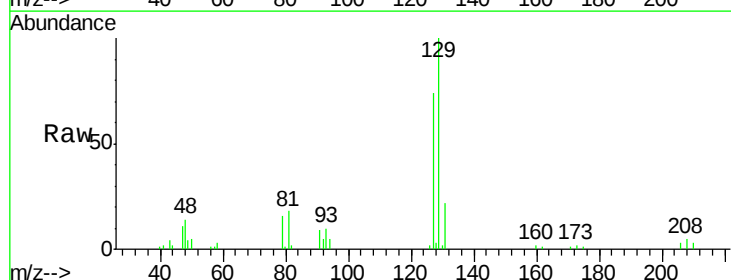
Manual Integrations
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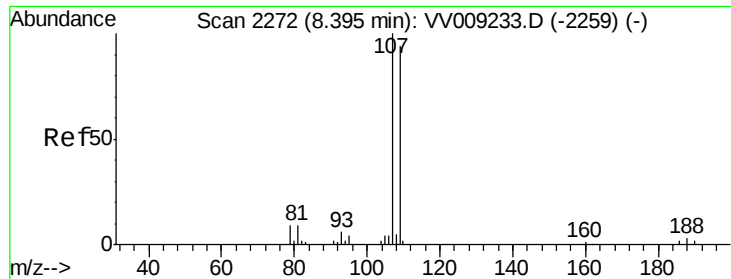
MMDadoda
1/25/2019 10:01:27 AM



#60
Dibromochloromethane
Concen: 20.970 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 129 Resp: 18324
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 22.306 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 16279

Ion Ratio Lower Upper

107 100

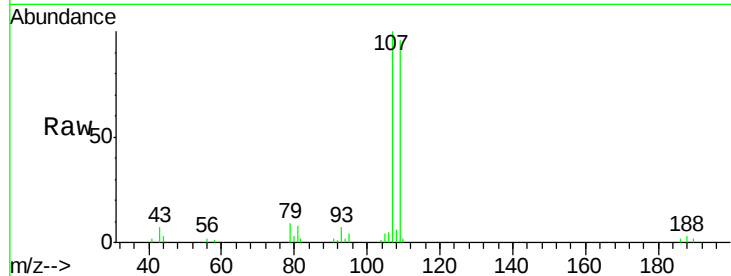
109 95.5 76.2 114.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

10000

8000

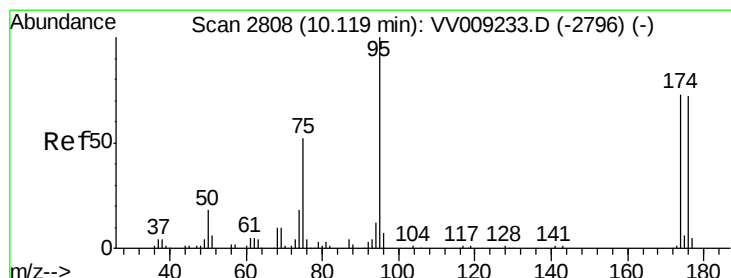
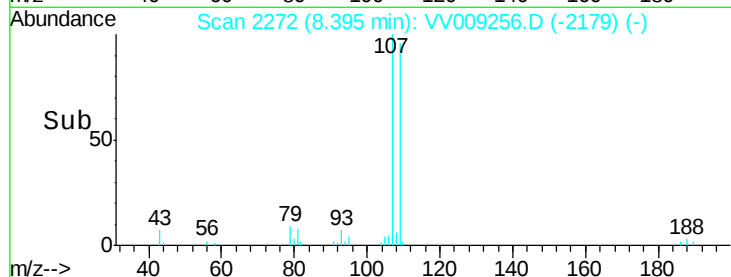
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.629 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

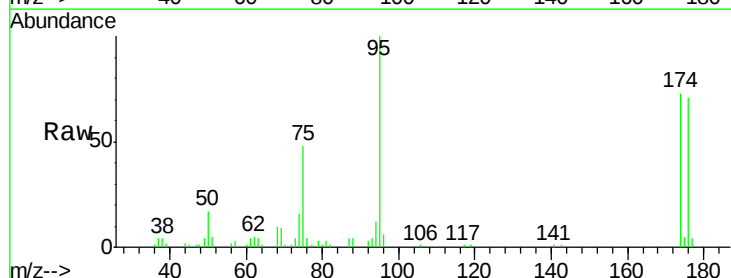
Tgt Ion: 95 Resp: 27207

Ion Ratio Lower Upper

95 100

174 73.2 0.0 148.2

176 72.0 0.0 143.0



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

20000

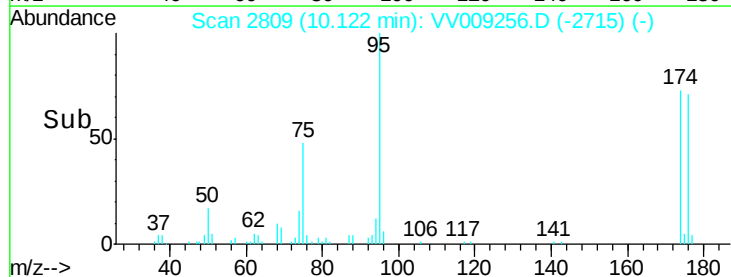
15000

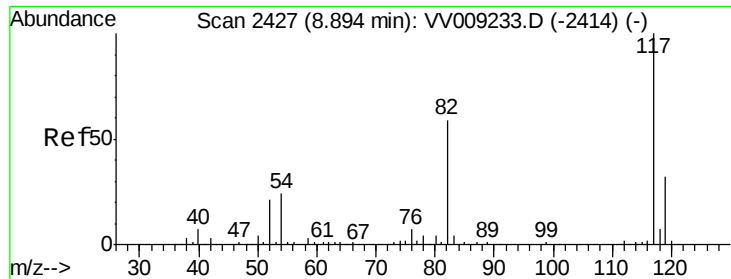
10000

5000

0

Time-->





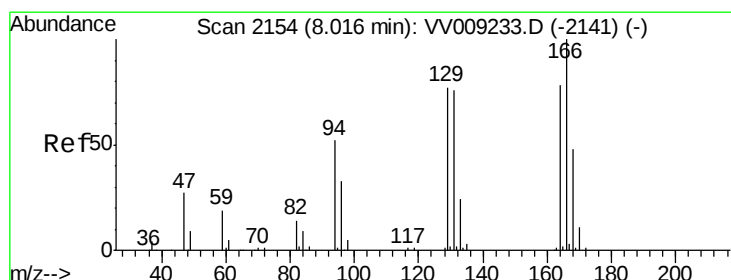
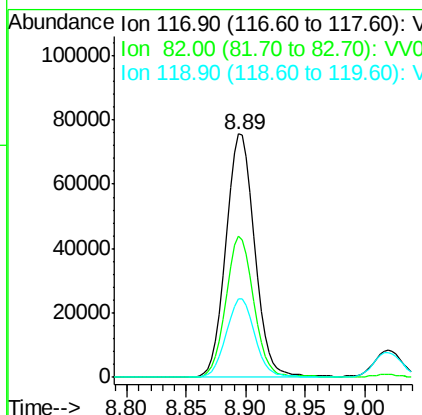
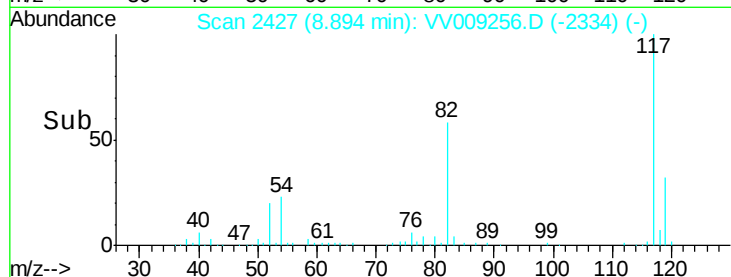
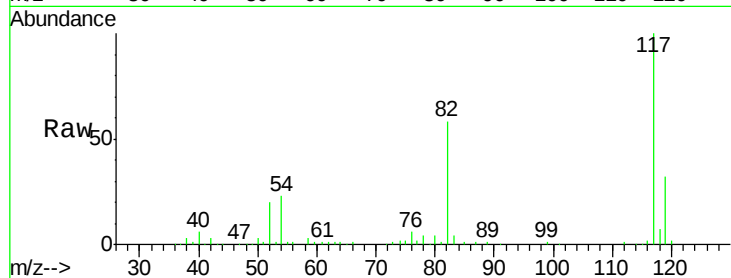
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.0	70.6
119	32.3	25.4	38.2

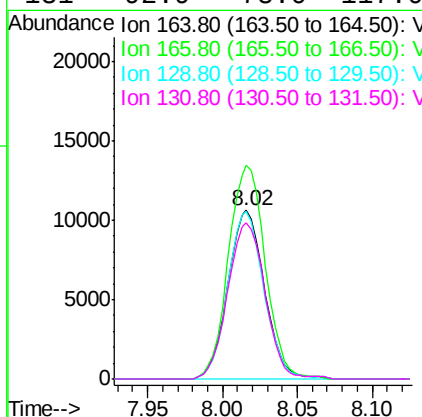
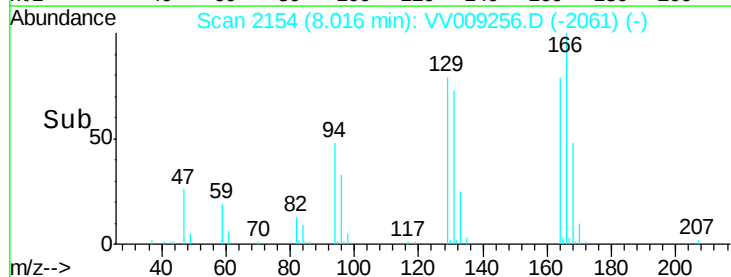
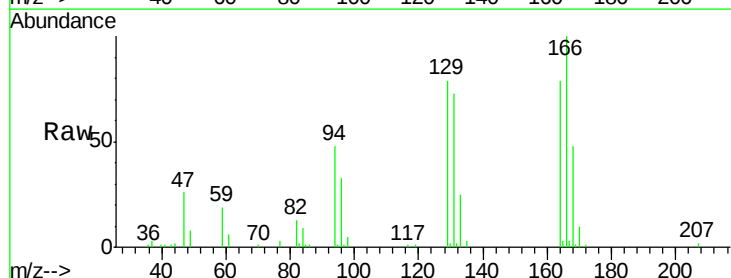
Manual Integrations
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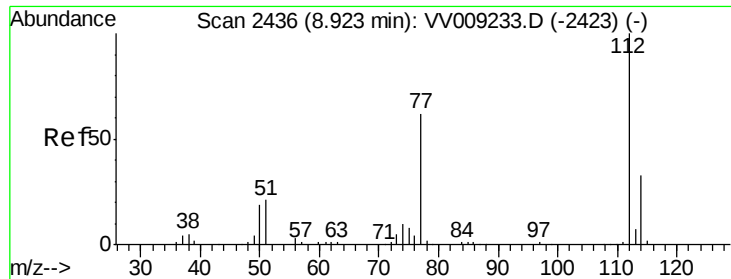
MMDadoda
1/25/2019 10:01:27 AM



#64
Tetrachloroethene
Concen: 19.962 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.1	153.1
129	99.7	78.1	117.1
131	92.9	78.0	117.0





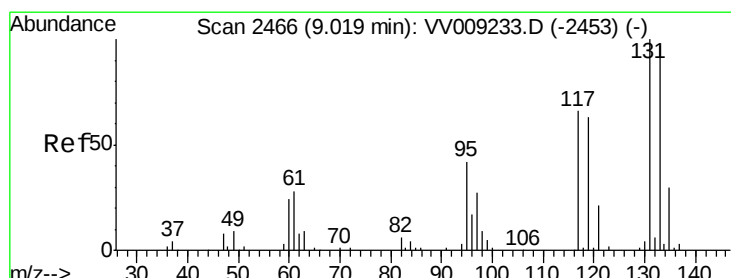
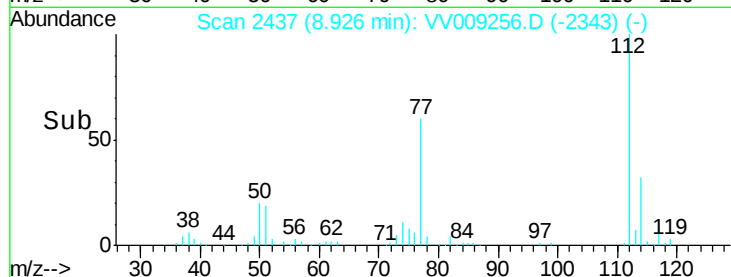
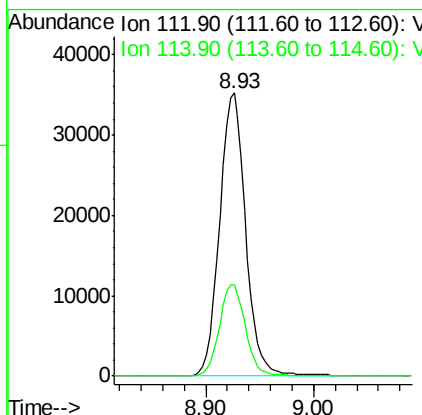
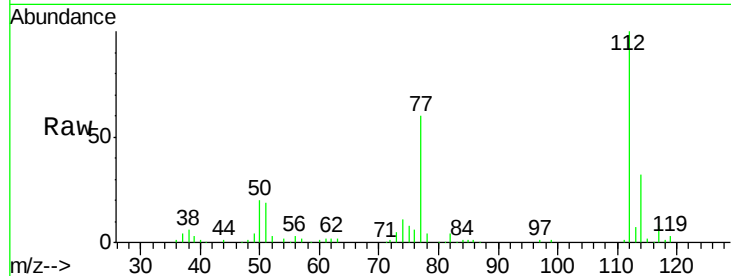
#65
Chlorobenzene
Concen: 19.975 ug/l
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 59163
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

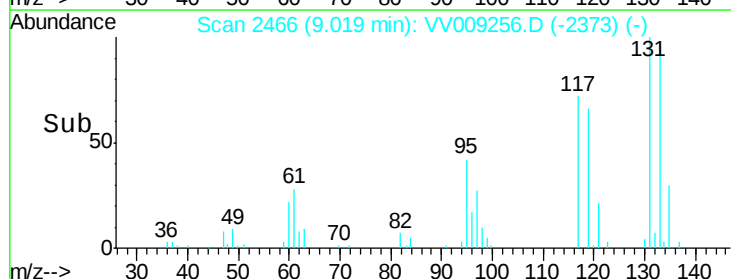
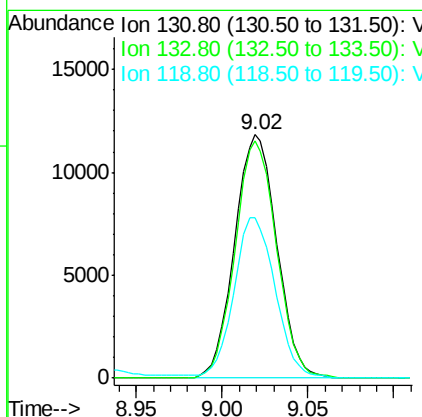
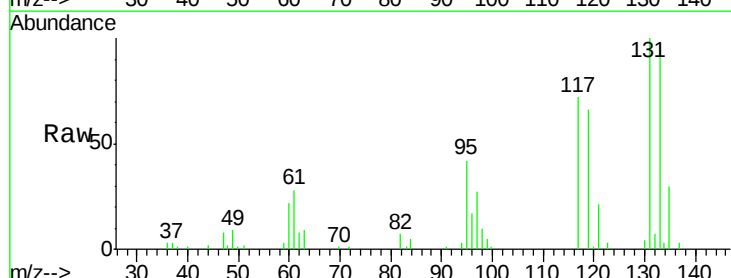
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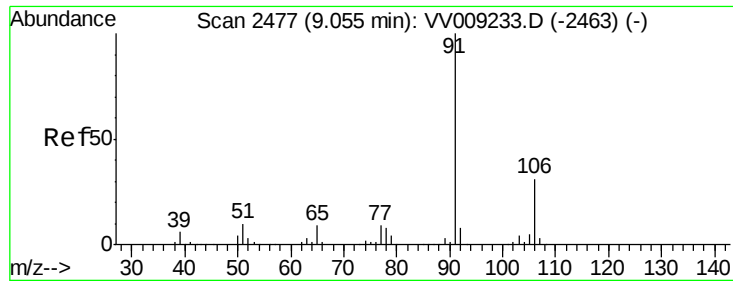
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.976 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:131 Resp: 20220
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.9
119 64.6 31.2 93.6





#67

Ethyl Benzene

Concen: 19.368 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 102194

Ion Ratio Lower Upper

91 100

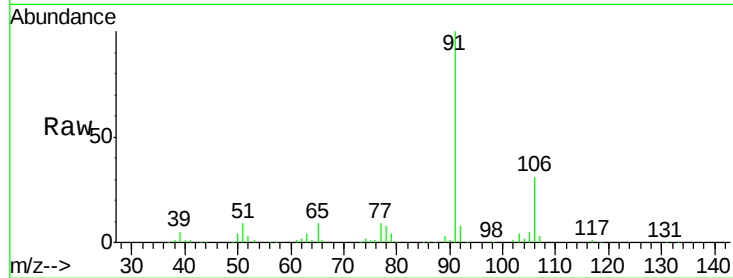
106 31.1 24.6 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV009233.D (-2463) (-)

100000

80000

60000

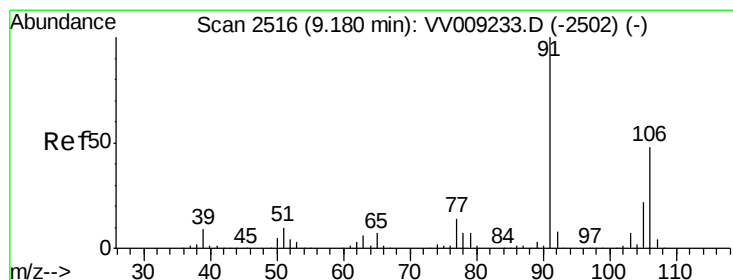
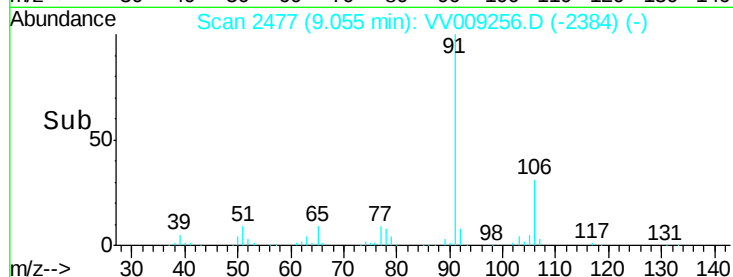
40000

20000

0

9.00 9.05 9.10 9.15

Time-->



#68

m/p-Xylenes

Concen: 39.601 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009256.D

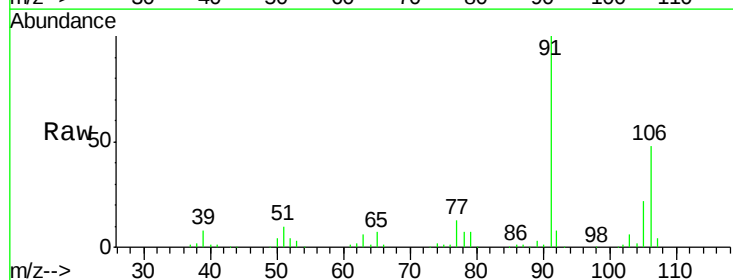
Acq: 24 Jan 2019 13:20

Tgt Ion: 106 Resp: 79326

Ion Ratio Lower Upper

106 100

91 203.1 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VV009233.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-2502) (-)

100000

80000

60000

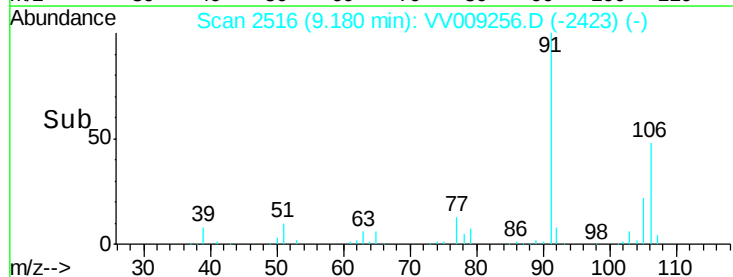
40000

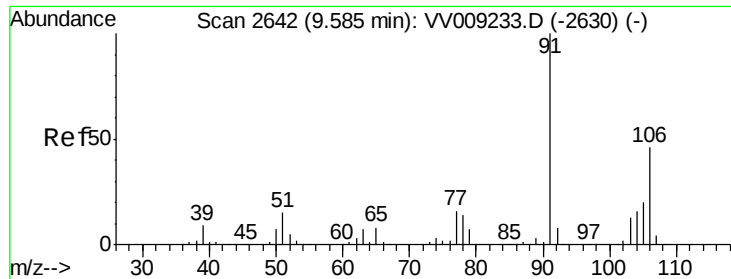
20000

0

9.10 9.20 9.30

Time-->





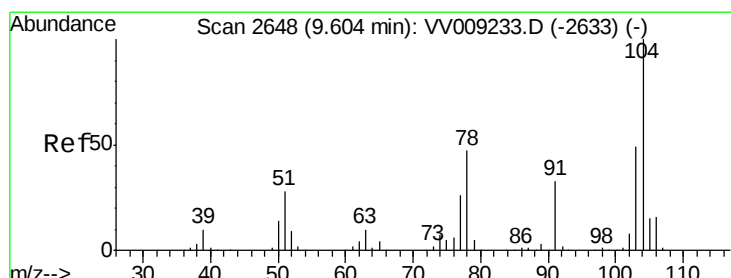
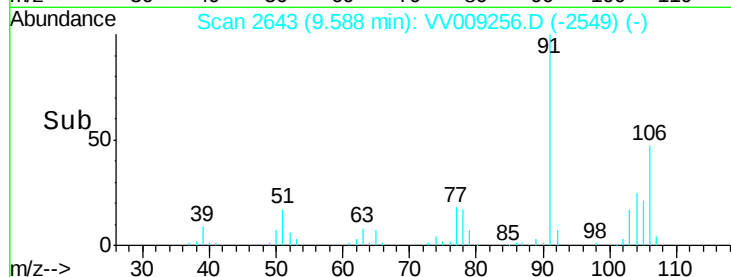
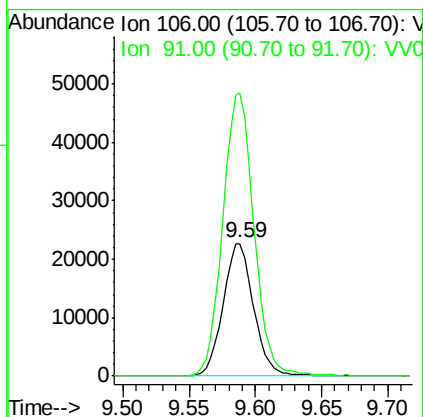
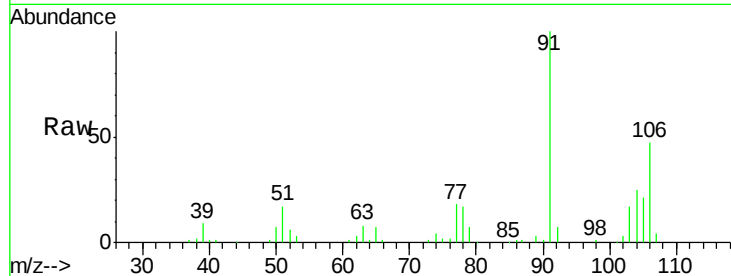
#69
o-Xylene
Concen: 19.542 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleID :
VSTDIC020

Tot Ion:106 Resp: 36292
Ion Ratio Lower Upper
106 100
91 218.6 109.3 327.8

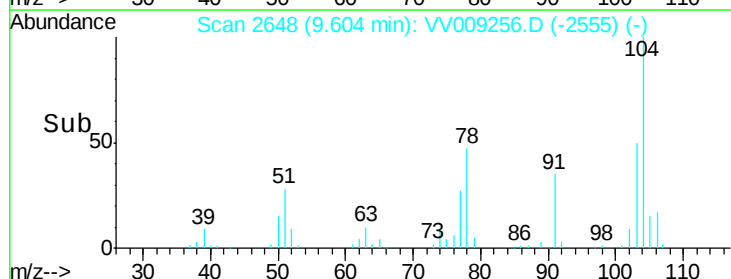
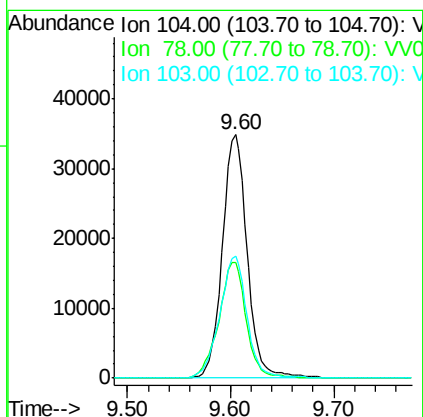
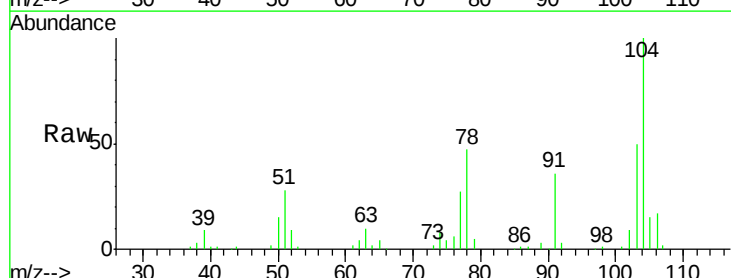
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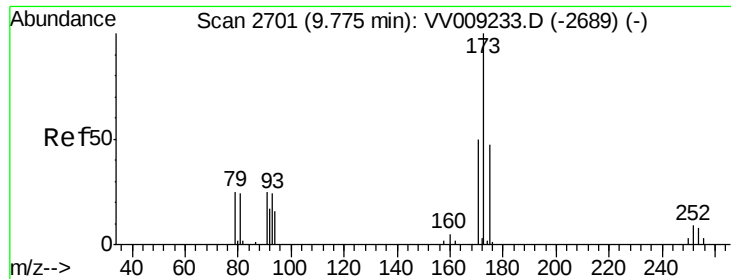
MMDadoda
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#70
Styrene
Concen: 19.798 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:104 Resp: 58681
Ion Ratio Lower Upper
104 100
78 52.1 43.1 64.7
103 54.9 43.8 65.8





#71

Bromoform

Concen: 21.756 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 10385

Ion Ratio Lower Upper

173 100

175 49.5 23.4 70.0

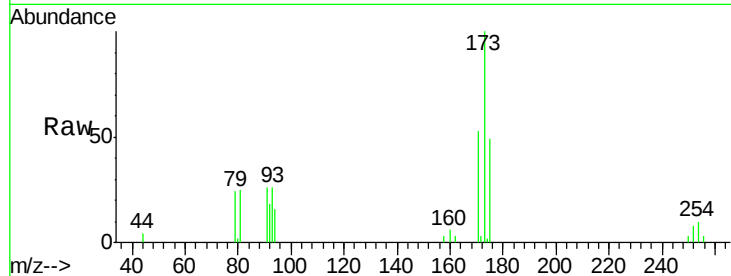
254 0.0 0.0 0.0

Manual Integrations

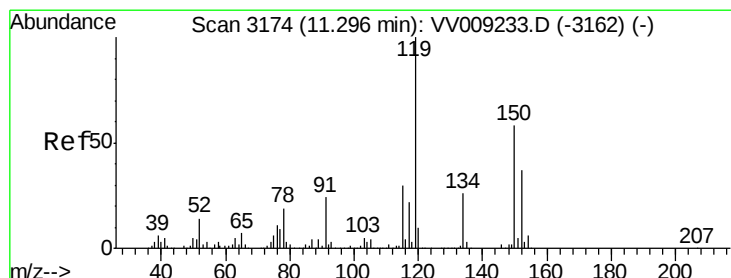
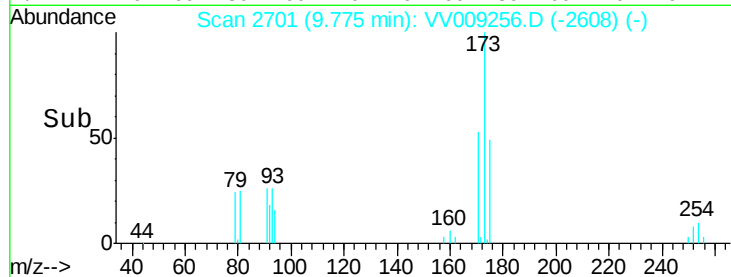
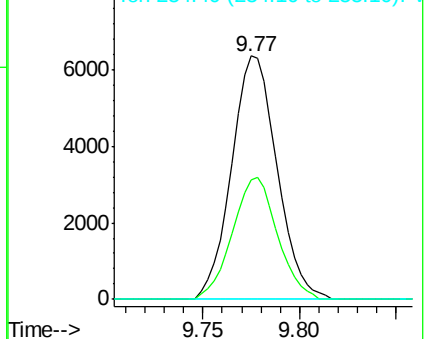
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

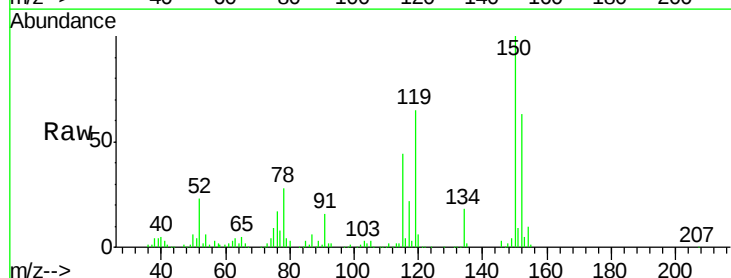
Tgt Ion:152 Resp: 64292

Ion Ratio Lower Upper

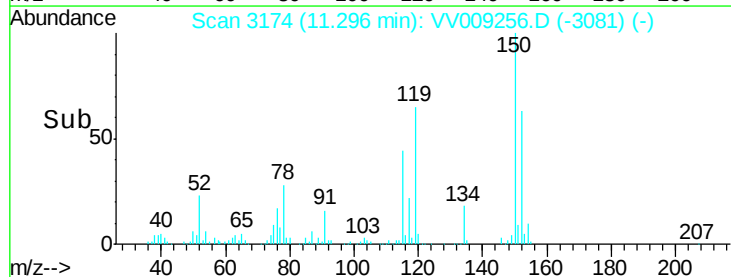
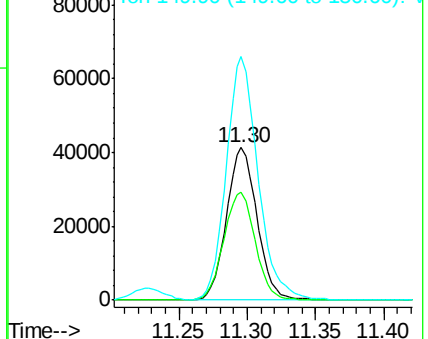
152 100

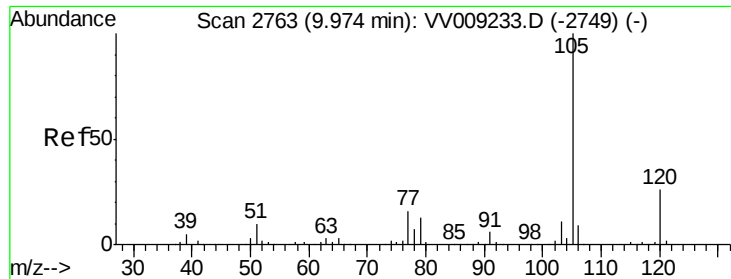
115 73.3 45.0 134.8

150 166.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 19.145 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 101640

Ion Ratio Lower Upper

105 100

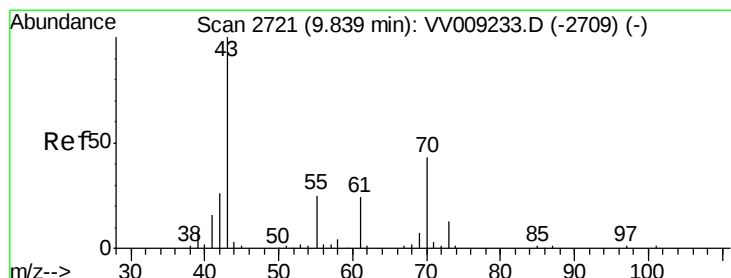
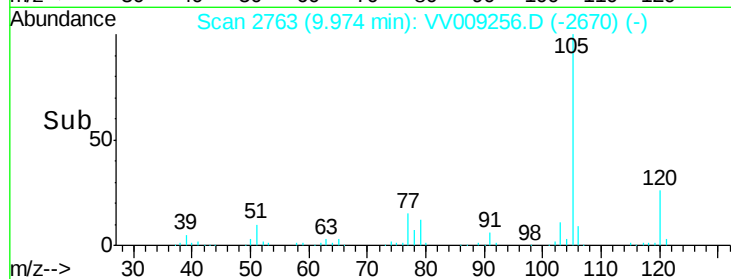
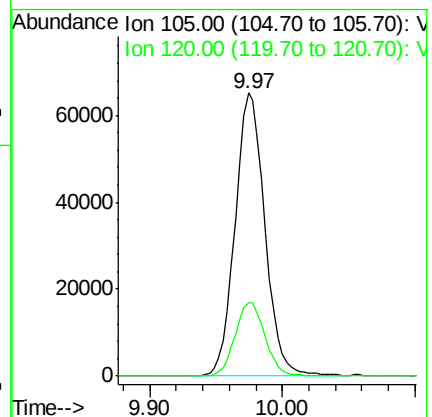
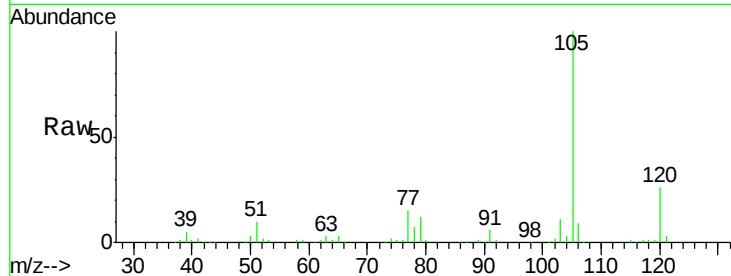
120 26.3 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.887 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion: 43 Resp: 22469

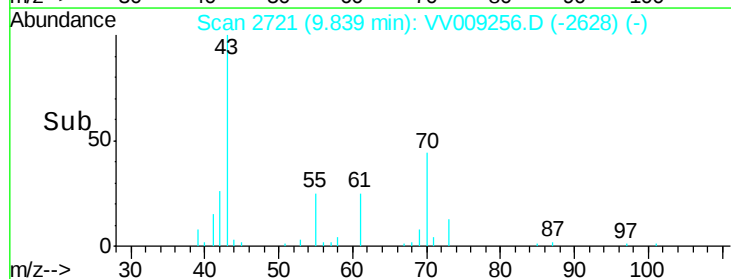
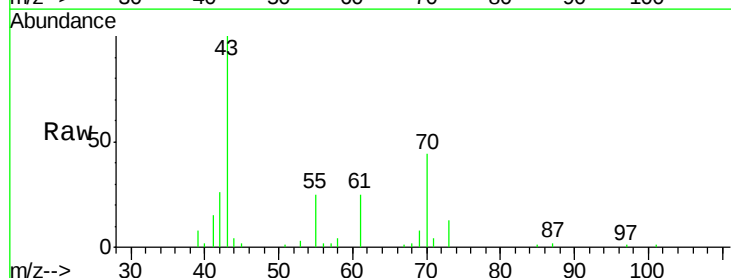
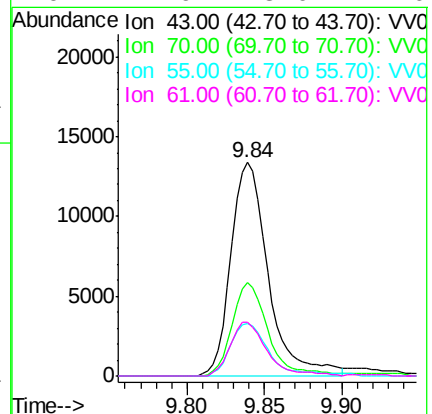
Ion Ratio Lower Upper

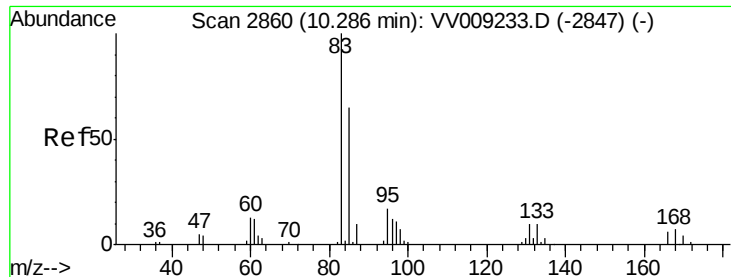
43 100

70 42.3 33.0 49.6

55 25.8 18.7 28.1

61 24.9 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.022 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

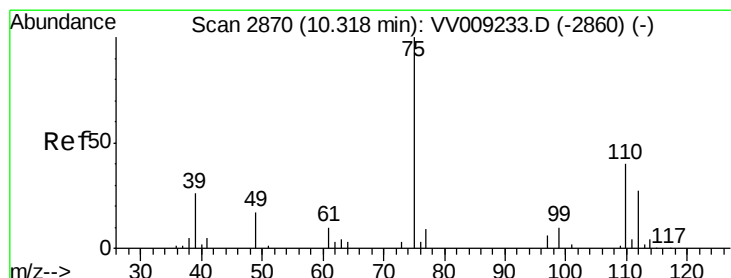
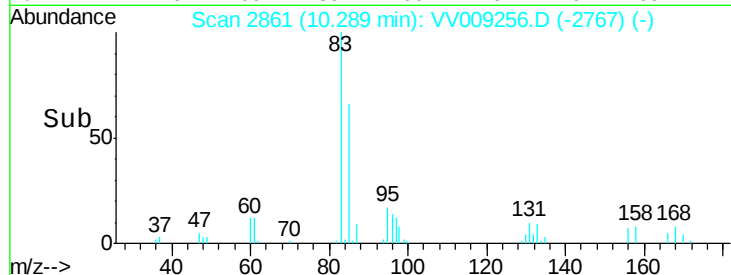
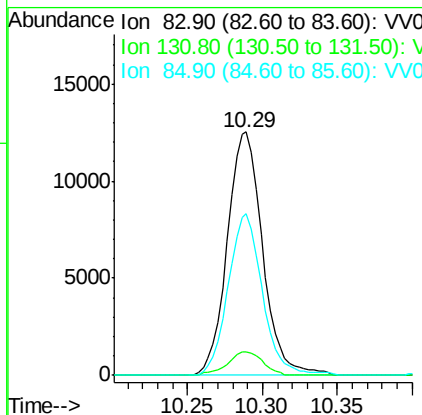
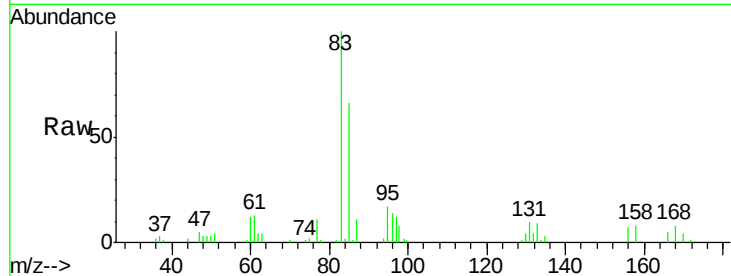
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	20605
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.3
85	64.5	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.113 ug/l m

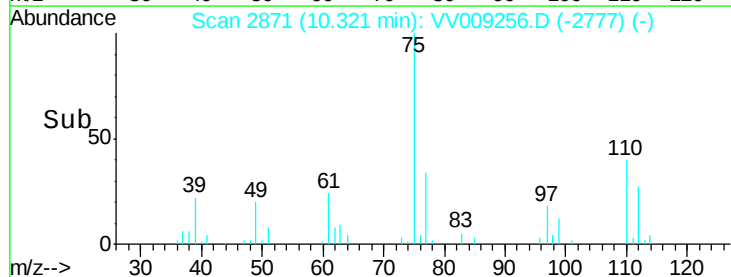
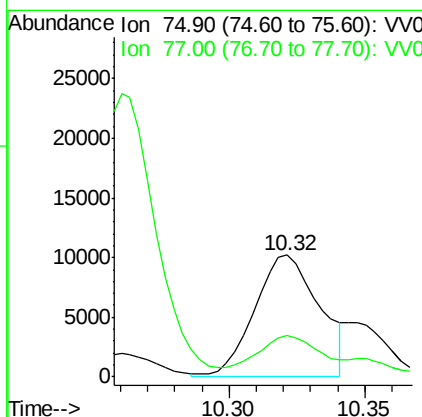
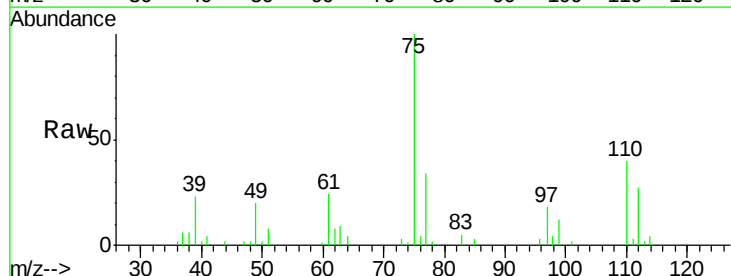
RT: 10.32 min Scan# 2871

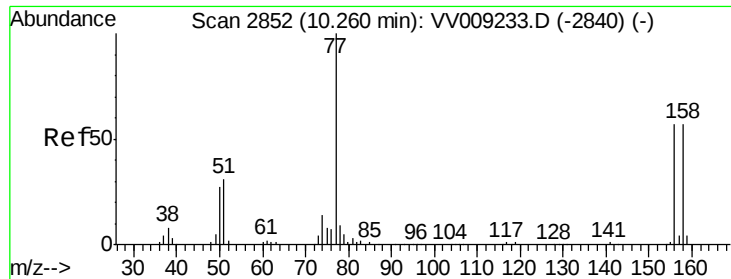
Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion:	75	Resp:	16973
Ion Ratio	Lower	Upper	
75	100		
77	11.4	24.6	73.8#





#77

Bromobenzene

Concen: 20.516 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 23297

Ion Ratio Lower Upper

156 100

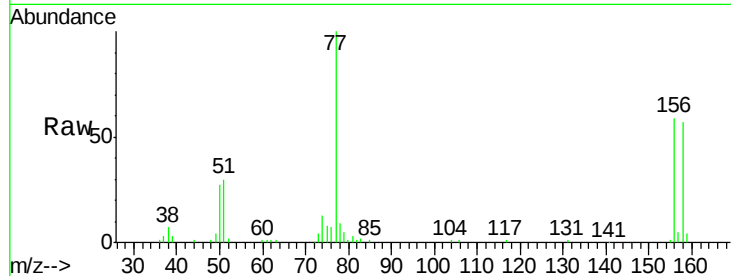
77 164.3 86.0 258.0

158 96.5 49.8 149.3

Manual Integrations
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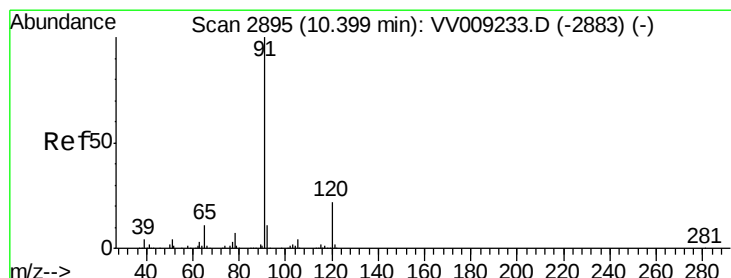
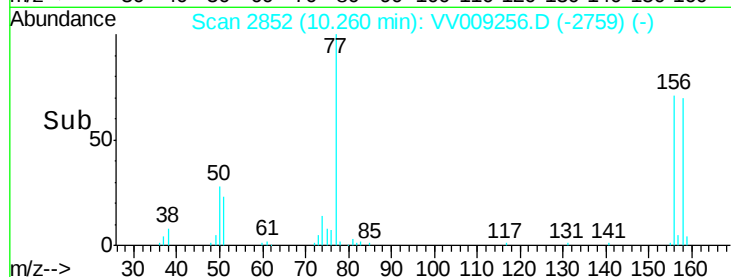
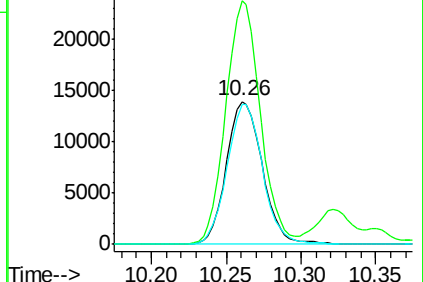
1/25/2019 10:01:27 AM



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



#78

n-propylbenzene

Concen: 19.208 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009256.D

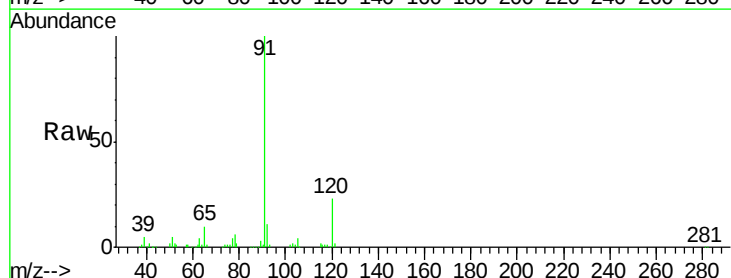
Acq: 24 Jan 2019 13:20

Tgt Ion: 91 Resp: 120894

Ion Ratio Lower Upper

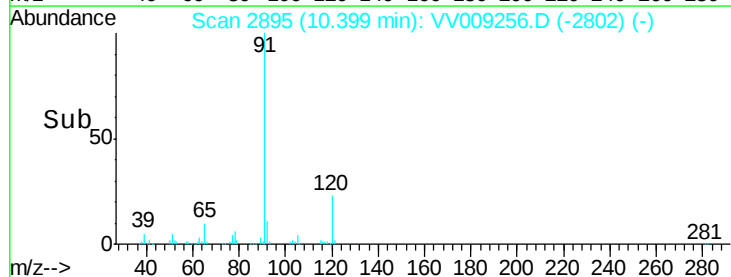
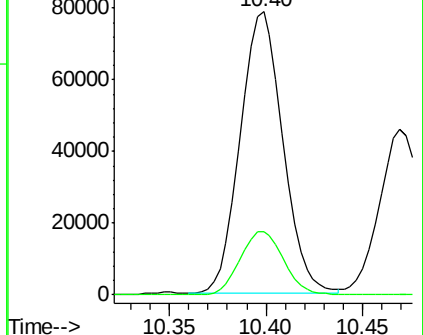
91 100

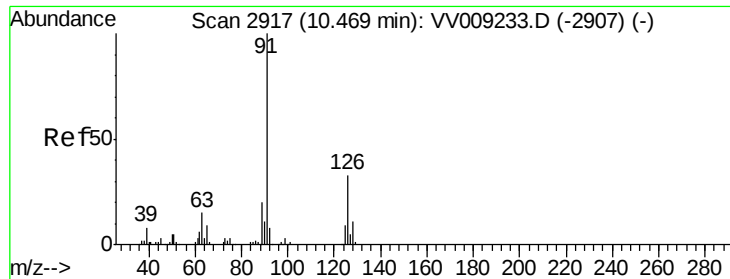
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.827 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 71495

Ion Ratio Lower Upper

91 100

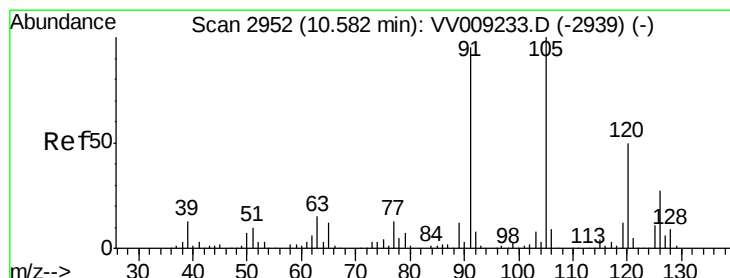
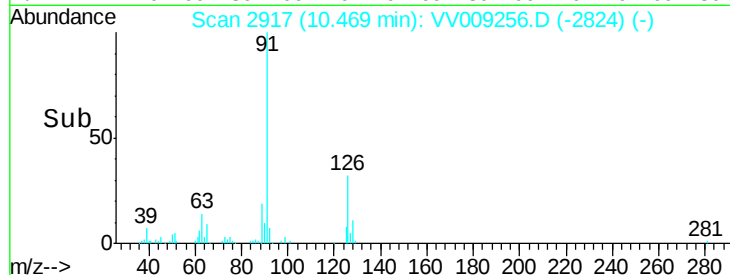
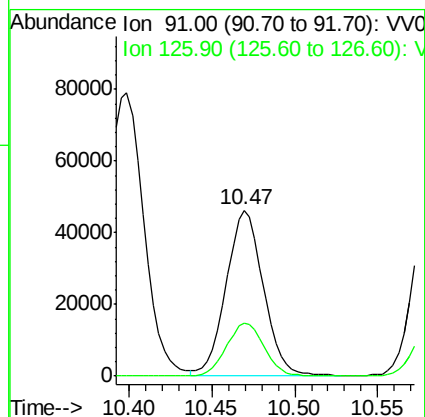
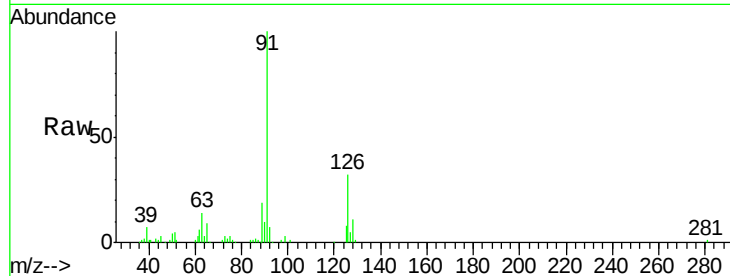
126 32.9 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.409 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009256.D

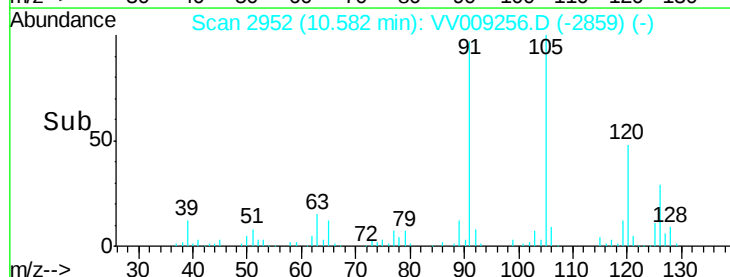
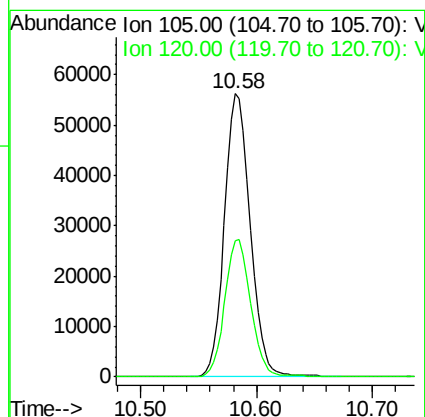
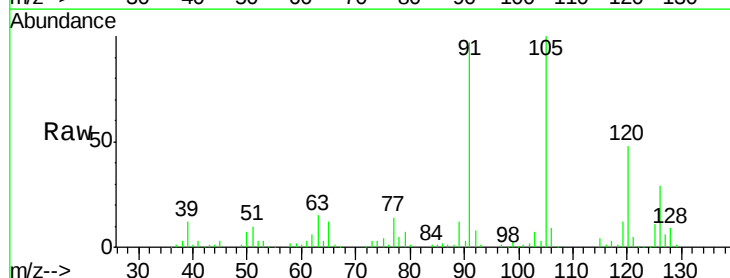
Acq: 24 Jan 2019 13:20

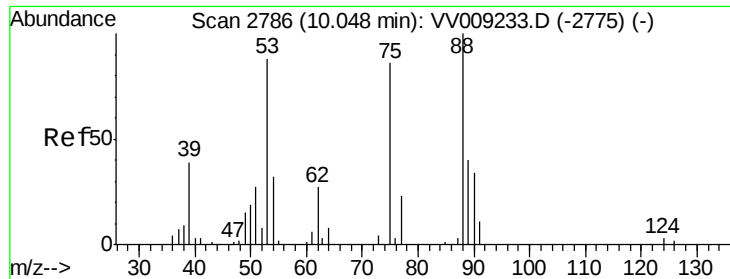
Tgt Ion: 105 Resp: 86416

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.127 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

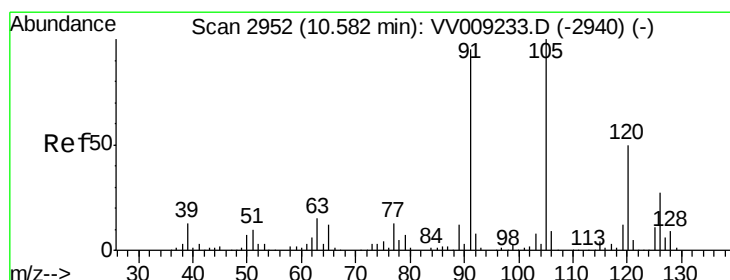
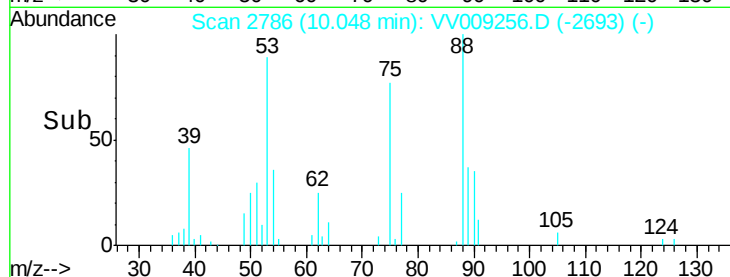
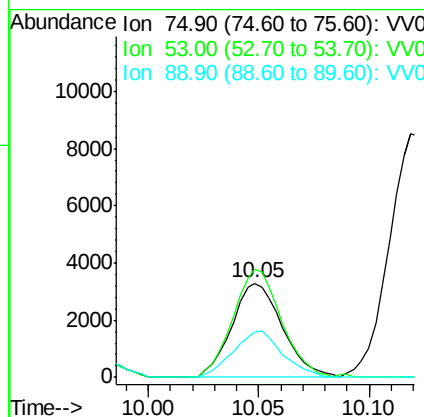
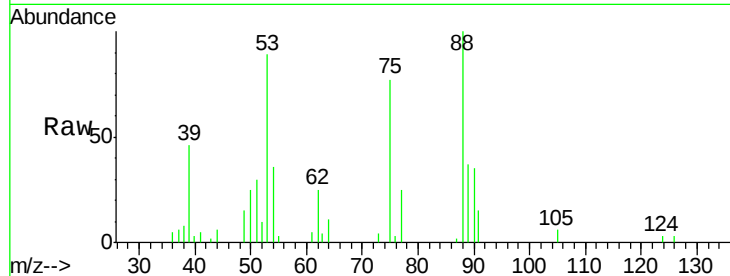
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	5255
Ion	Ratio	Lower	Upper
75	100		
53	109.3	82.1	123.1
89	47.6	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.776 ug/l

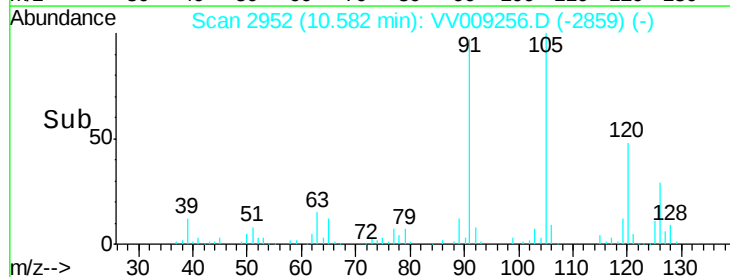
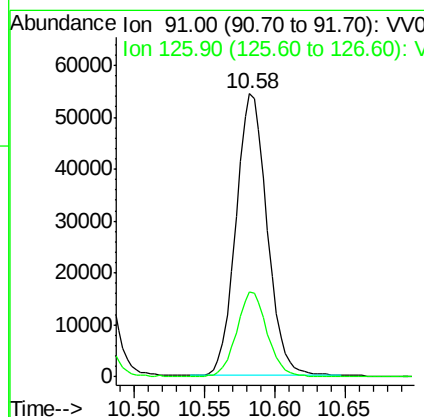
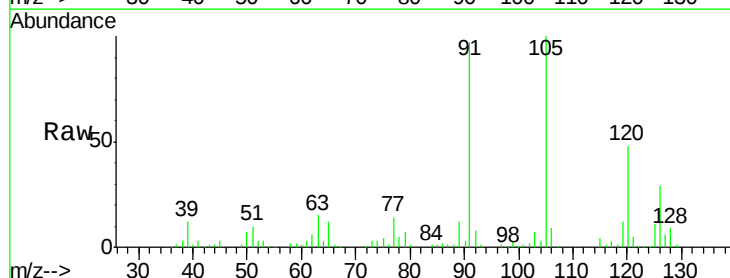
RT: 10.58 min Scan# 2952

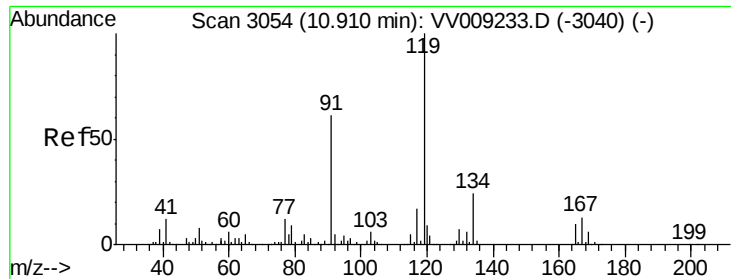
Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion:	91	Resp:	83981
Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.3	42.9





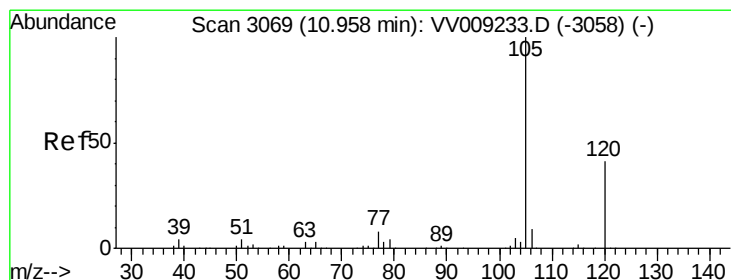
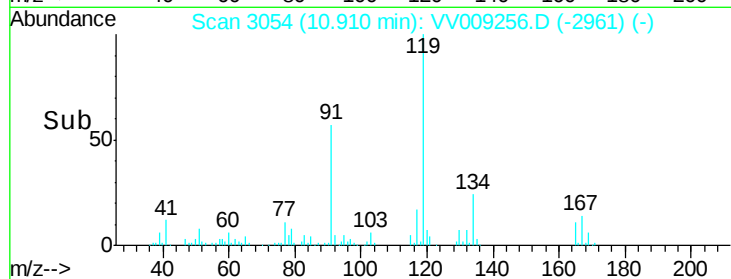
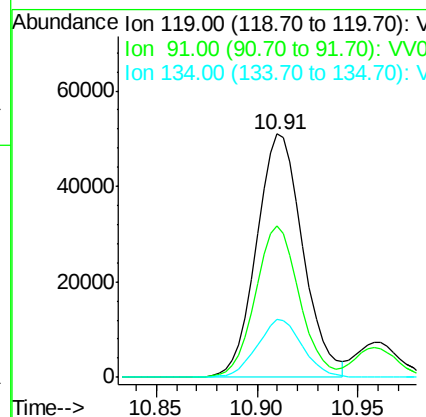
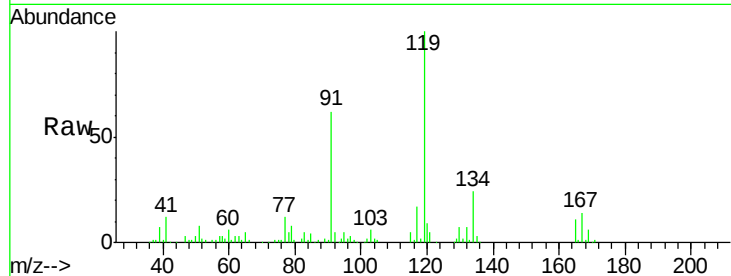
#83
tert-Butylbenzene
Concen: 19.254 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	81632		
91	59.2	30.0	90.1	
134	23.5	11.9	35.7	

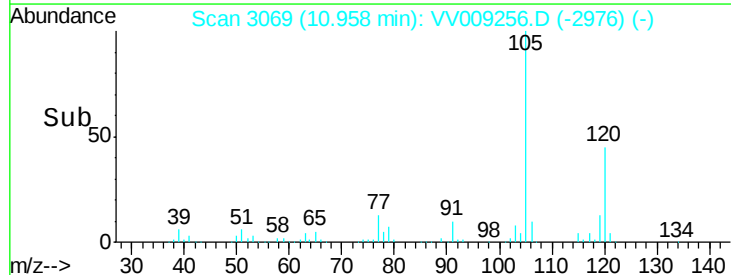
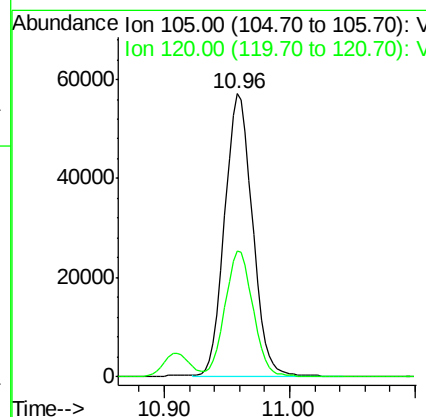
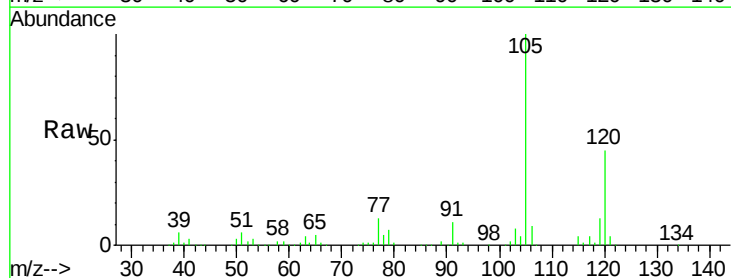
Manual Integrations
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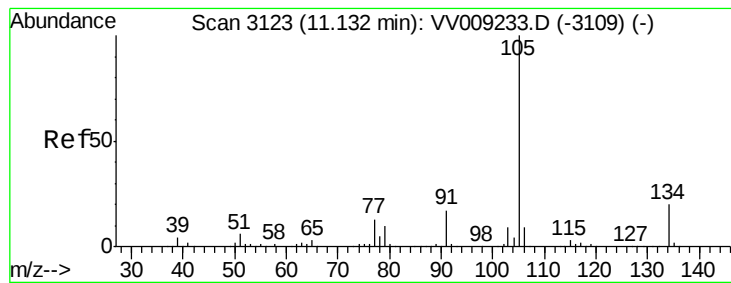
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.658 ug/l
RT: 10.96 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	88294		
120	45.2	22.6	67.7	





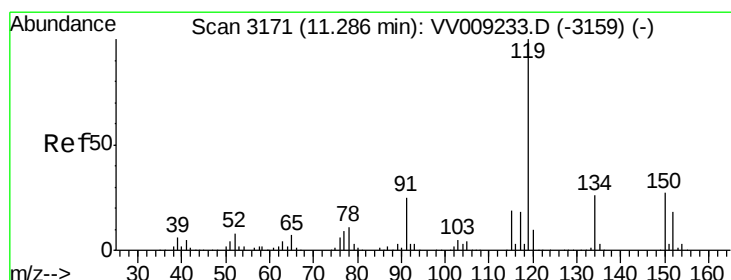
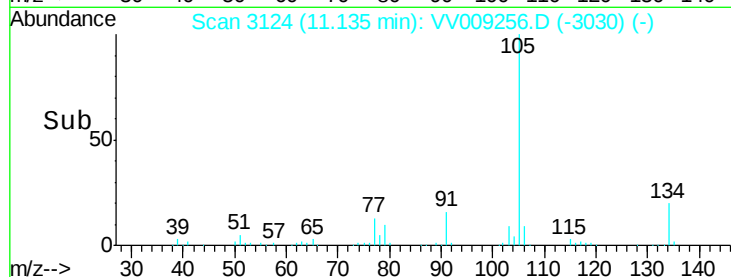
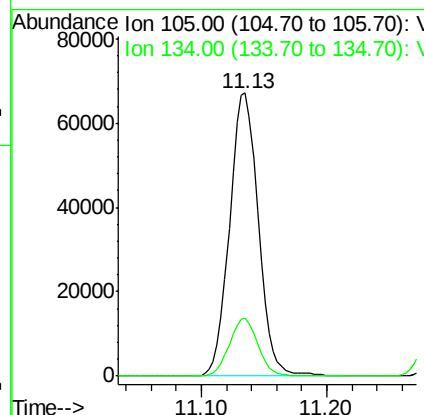
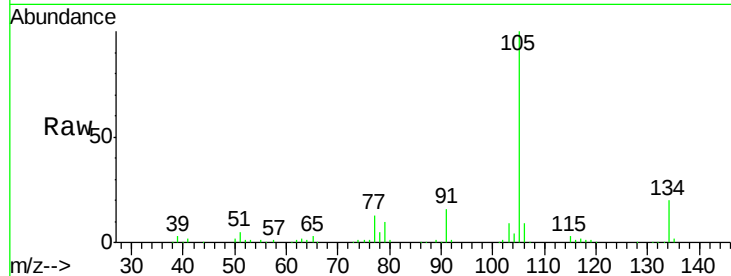
#85
 sec-Butylbenzene
 Concen: 19.249 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 106889
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

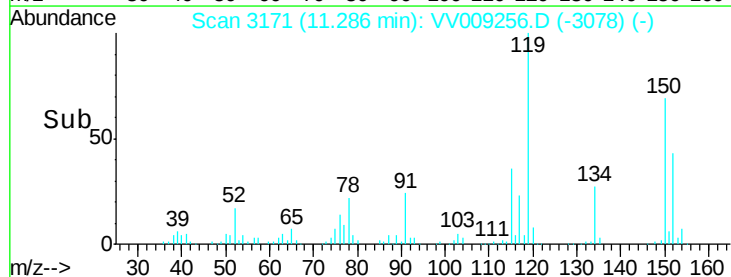
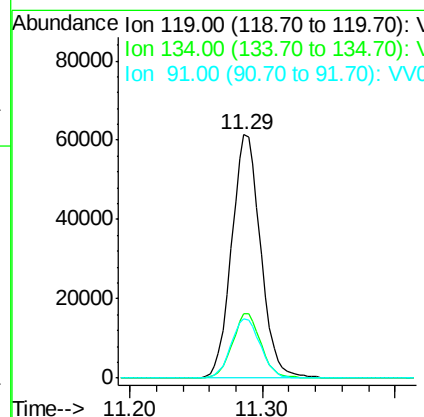
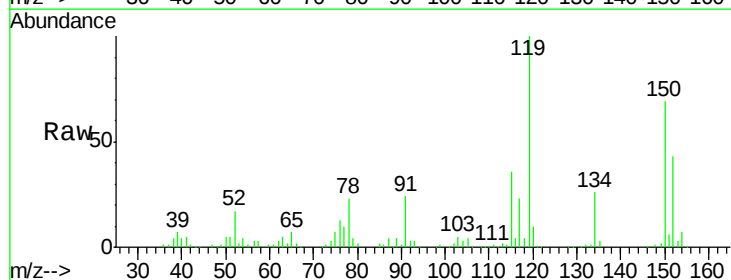
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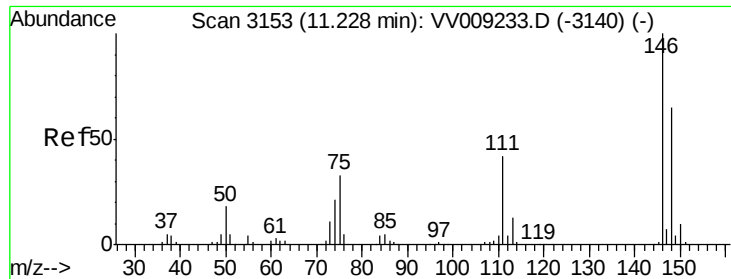
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#86
 p-Isopropyltoluene
 Concen: 19.169 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion:119 Resp: 93204
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 24.7 12.4 37.2





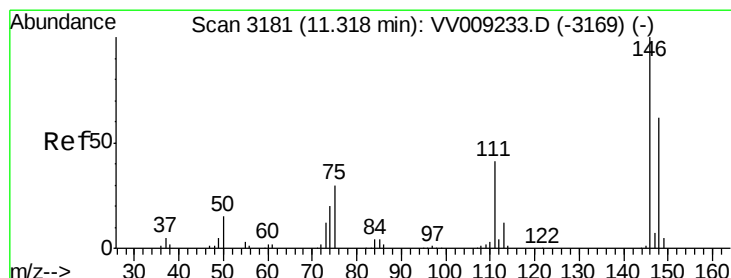
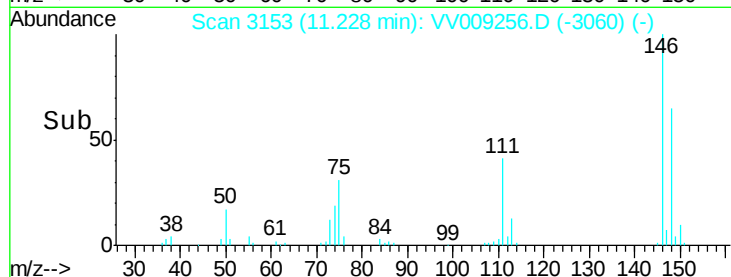
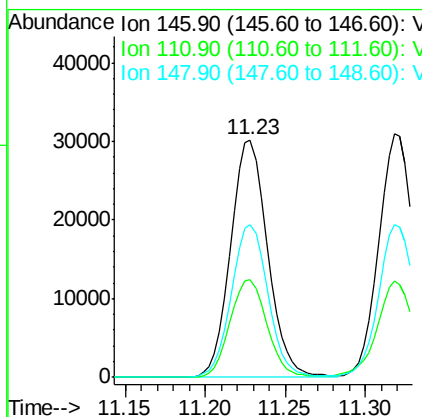
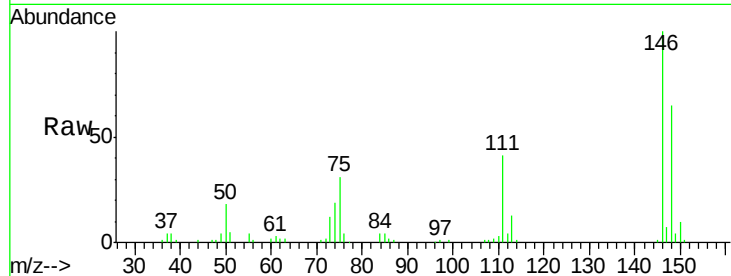
#87
 1,3-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.4
148	63.4	32.1	96.3

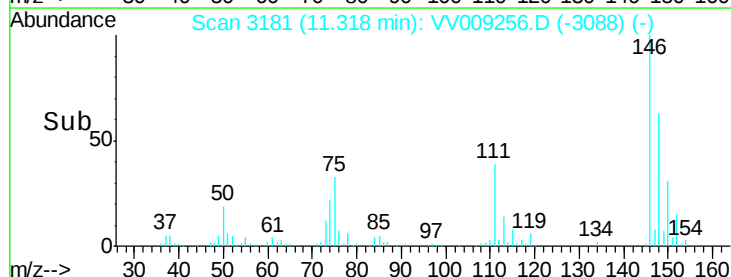
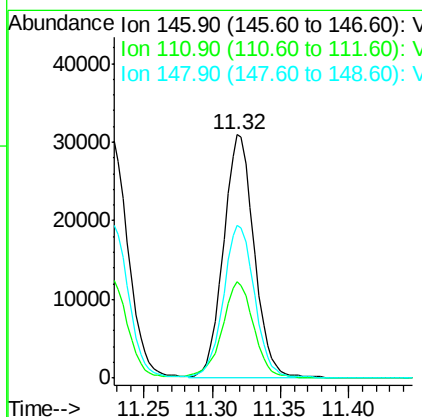
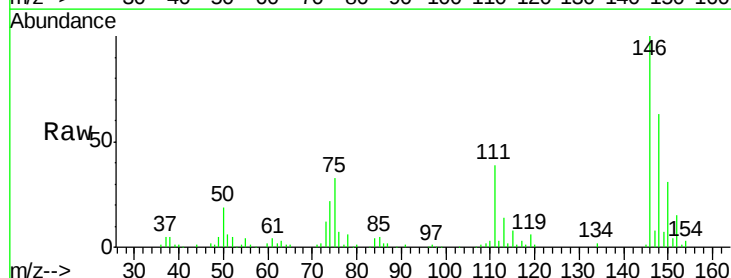
Manual Integrations
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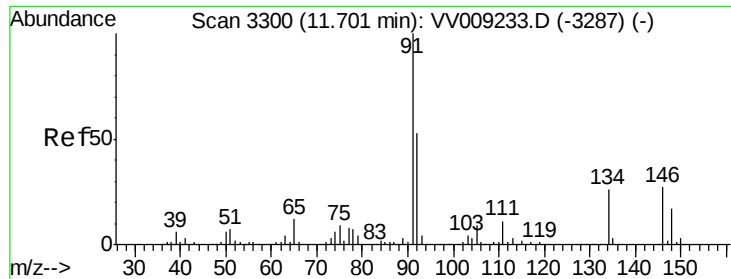
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 1/25/2019 10:01:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.380 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	62.1	31.4	94.3





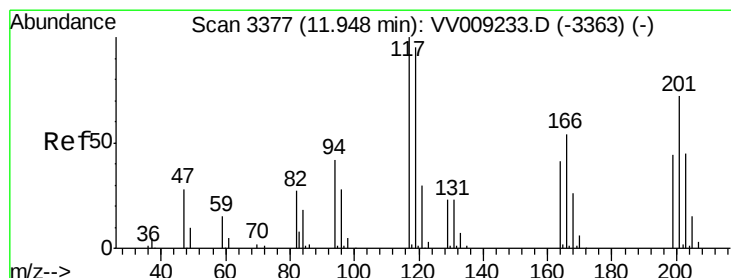
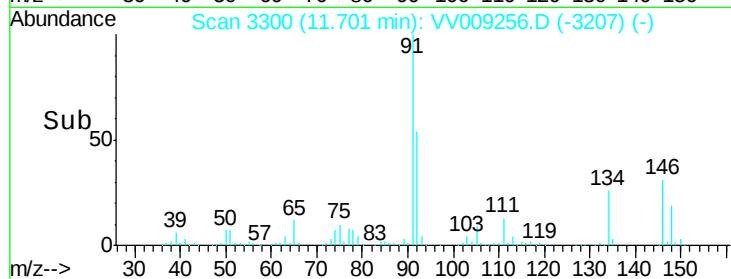
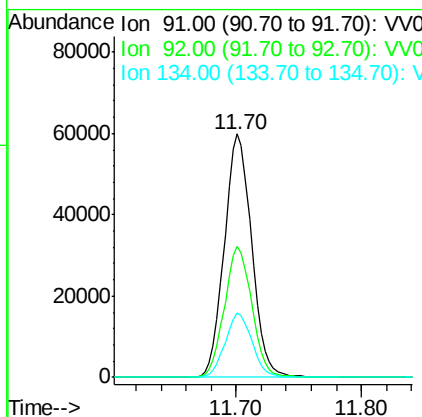
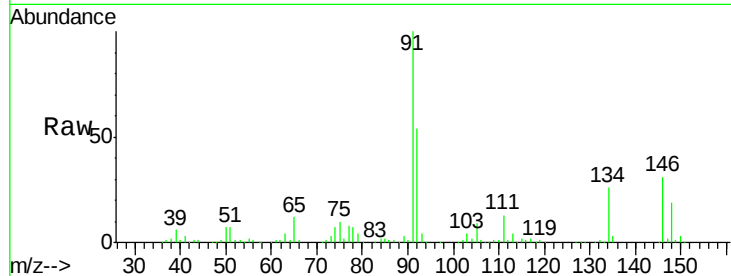
#89
n-Butylbenzene
Concen: 19.173 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.5
134	25.9	12.6	37.8

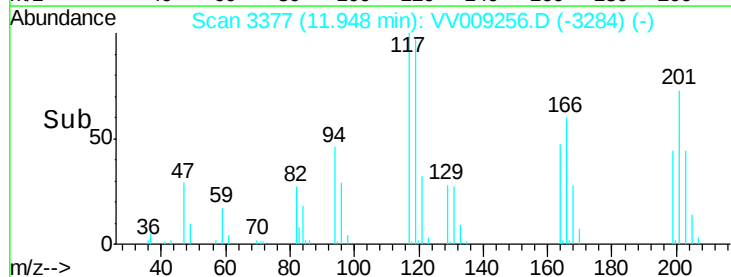
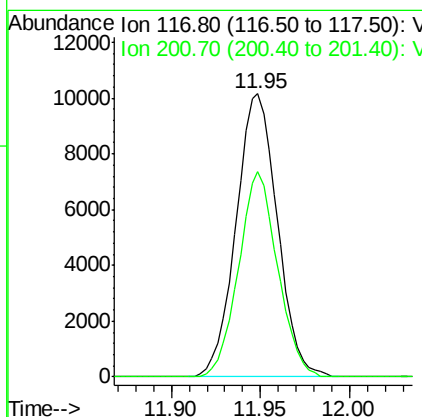
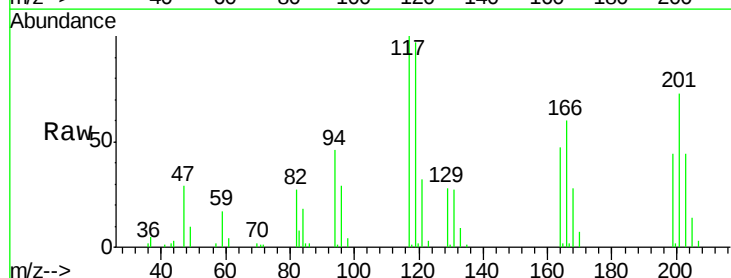
Manual Integrations
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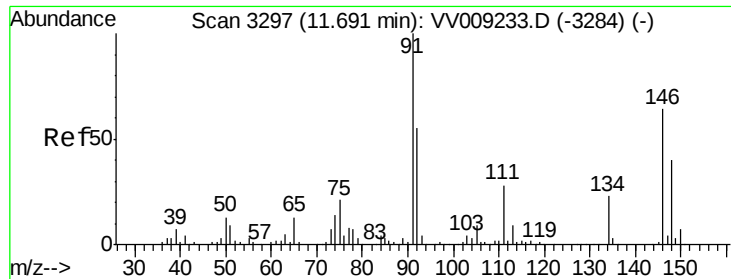
MMDadoda
1/25/2019 10:01:27 AM



#90
Hexachloroethane
Concen: 18.993 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6





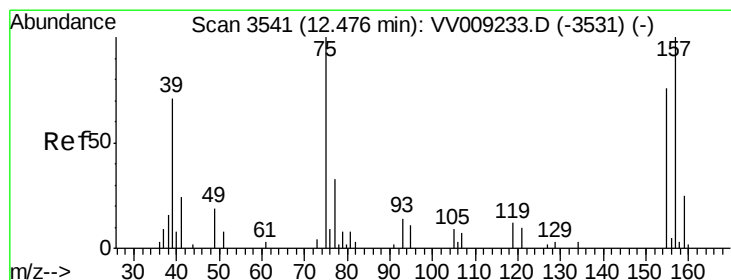
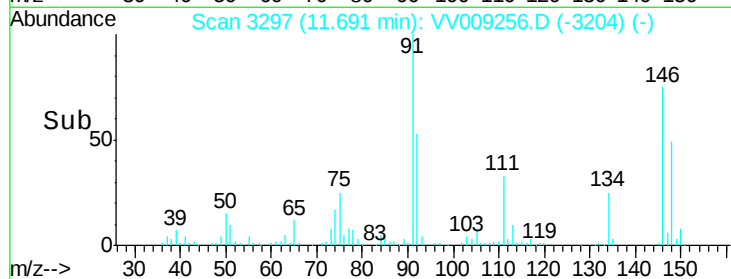
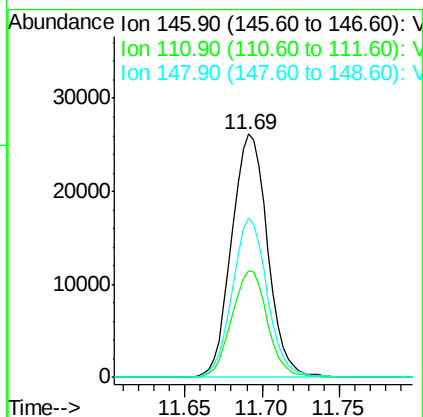
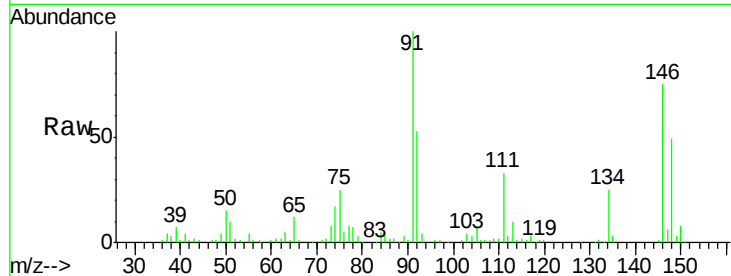
#91
 1,2-Dichlorobenzene
 Concen: 20.282 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.8
148	63.4	31.6	95.0

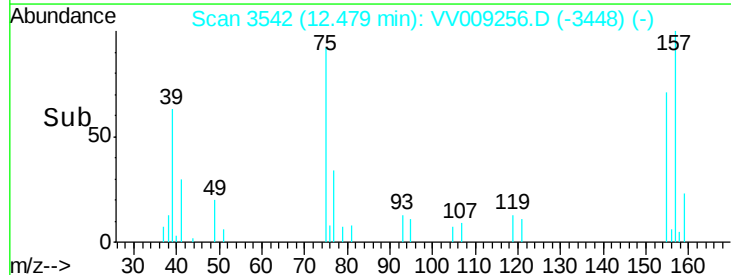
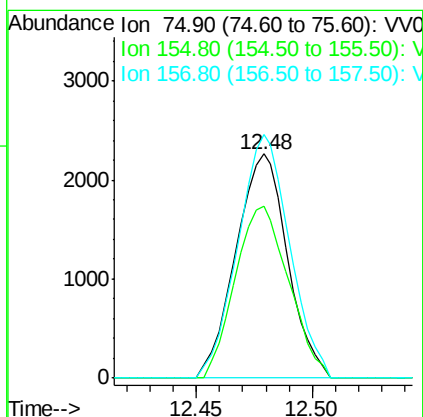
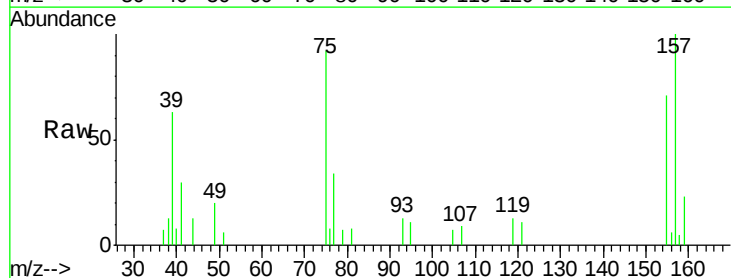
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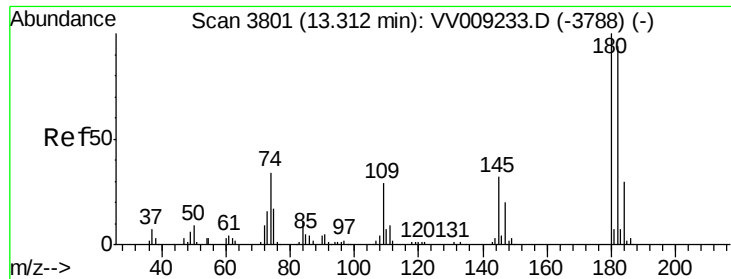
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.279 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	38.0	114.0
157	108.9	50.8	152.4





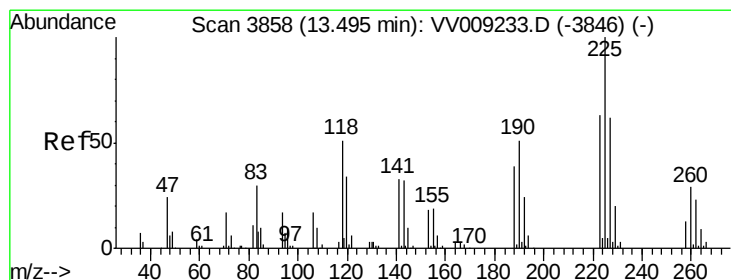
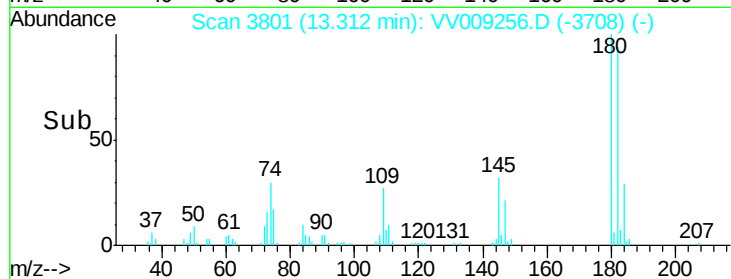
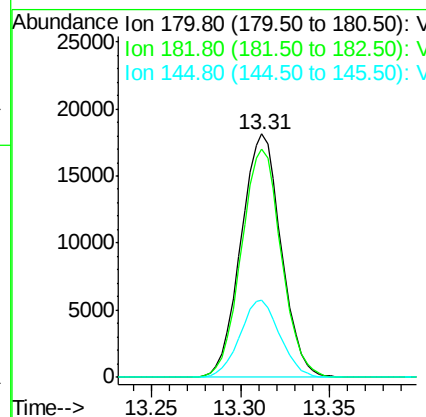
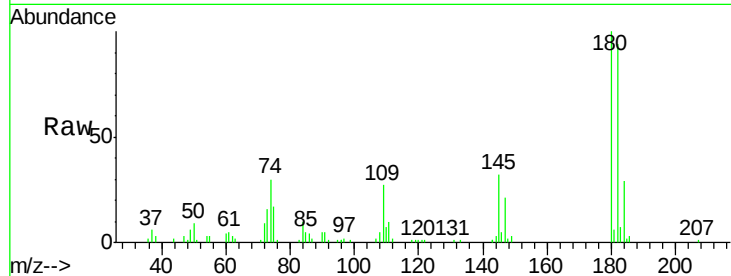
#93
 1,2,4-Trichlorobenzene
 Concen: 21.262 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.4	47.1	141.4	
145	31.6	16.0	48.0	

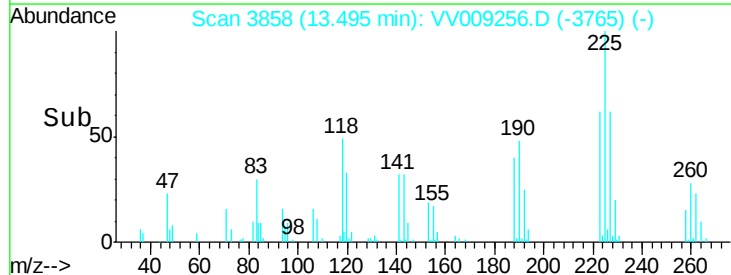
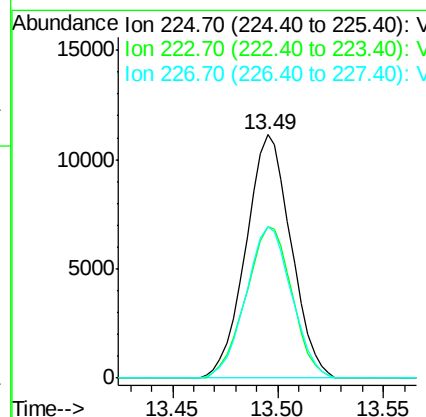
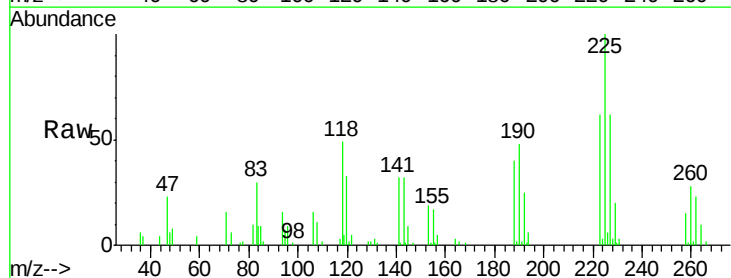
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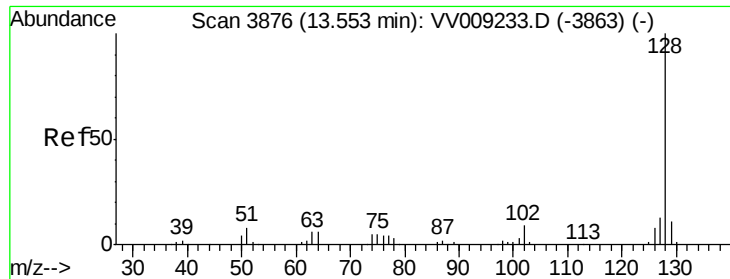
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#94
 Hexachlorobutadiene
 Concen: 19.962 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.7	95.1	
227	62.9	31.6	95.0	





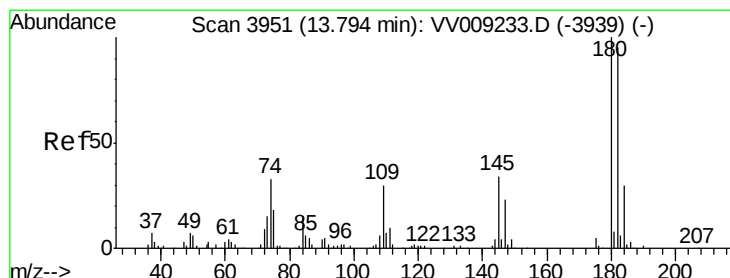
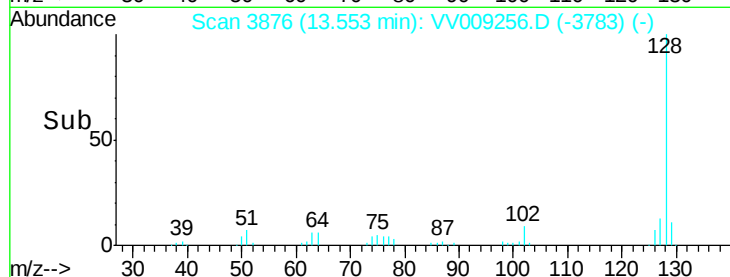
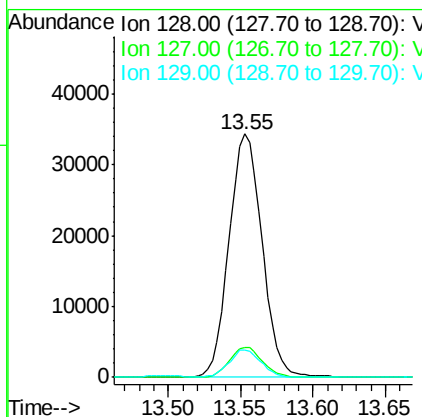
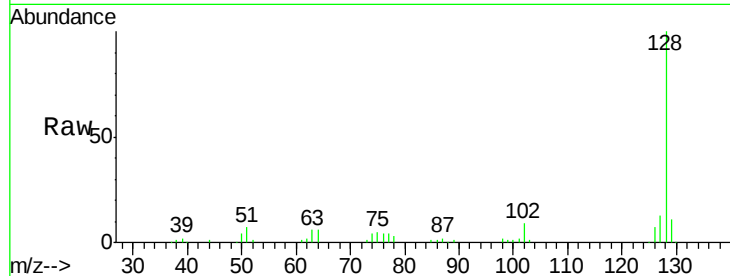
#95
Naphthalene
Concen: 23.522 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 54495
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 10.9 8.8 13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.732 ug/l
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:180 Resp: 24657
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 35.0 17.2 51.5

