

Data File : VV012039.D
Acq On : 25 Jul 2019 20:39
Operator : SY/MD
Sample : VSTDCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Quant Time: Jul 26 02:40:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	124151	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	119515	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62288	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28478	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.59	69	25460	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.13	63	65137	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	3.96	46	115560	61.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.54%
24) Chloroform-d	4.40	84	88442	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.08	65	51353	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
32) Benzene-d6	5.10	84	176124	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.12	67	51288	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.36	98	164457	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.67	79	20504	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.13	63	93545	60.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39270	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	66787	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66730	5.200 ug/L	98
3) Chloromethane	1.25	50	38541	5.176 ug/L	97
5) Vinyl chloride	1.32	62	40835	5.356 ug/L	96
6) Bromomethane	1.54	94	24943	5.563 ug/L	96
8) Chloroethane	1.60	64	23241	5.153 ug/L	91
9) Trichlorofluoromethane	1.77	101	77894	5.543 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34183	5.411 ug/L	99
12) 1,1-Dichloroethene	2.14	96	30744	5.441 ug/L	95
13) Acetone	2.23	43	52153	51.296 ug/L	98
14) Carbon disulfide	2.32	76	81850	5.082 ug/L	99
15) Methyl Acetate	2.47	43	10699	4.820 ug/L	99
16) Methylene chloride	2.54	84	31196	4.924 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	105281	5.460 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	45866	5.212 ug/L	98
19) 1,1-Dichloroethane	3.23	63	84029	5.407 ug/L	97
21) 2-Butanone	4.05	43	103565	53.099 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	49537	5.238 ug/L	100

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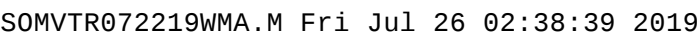
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

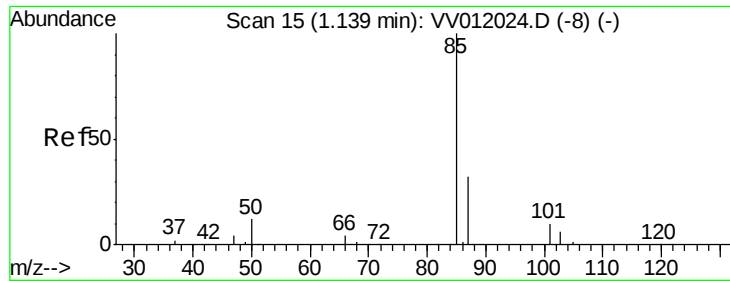
Quant Time: Jul 26 02:40:47 2019
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	21522	5.536	ug/L	96
25) Chloroform	4.43	83	102999	5.487	ug/L	99
27) 1,2-Dichloroethane	5.18	62	57439	5.504	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	84620	5.532	ug/L	100
30) Cyclohexane	4.72	56	71948	4.979	ug/L	98
31) Carbon tetrachloride	4.87	117	74979	5.445	ug/L	100
33) Benzene	5.15	78	189100	5.379	ug/L	100
34) Trichloroethene	5.96	95	50630	5.186	ug/L	96
35) Methylcyclohexane	6.18	83	78567	5.170	ug/L	99
37) 1,2-Dichloropropane	6.22	63	44631	5.281	ug/L	100
38) Bromodichloromethane	6.56	83	61374	5.435	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	65777	5.251	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	260263	55.113	ug/L	100
42) Toluene	7.43	91	205005	5.433	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	52972	5.316	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	32148	5.507	ug/L	99
47) Tetrachloroethene	8.02	164	45582	5.411	ug/L	98
48) 2-Hexanone	8.19	43	186976	56.442	ug/L	99
49) Dibromochloromethane	8.29	129	39921	5.585	ug/L	97
50) 1,2-Dibromoethane	8.40	107	30895	5.606	ug/L	93
51) Chlorobenzene	8.92	112	136030	5.505	ug/L	99
52) Ethylbenzene	9.05	91	232173	5.390	ug/L	99
53) m,p-xylene	9.18	106	89544	5.462	ug/L	99
54) o-xylene	9.59	106	85180	5.479	ug/L	99
55) Styrene	9.60	104	147827	5.643	ug/L	99
56) Isopropylbenzene	9.97	105	236674	5.452	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	35484	5.609	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	27119	5.501	ug/L	98
61) Bromoform	9.77	173	21998	5.753	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	110137	5.406	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	112230	5.351	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	103075	5.495	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	5897	5.412	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	90782	5.328	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	75163	5.432	ug/L	100
69) Naphthalene	13.55	128	108116	5.181	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	66468	5.295	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 5.200 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

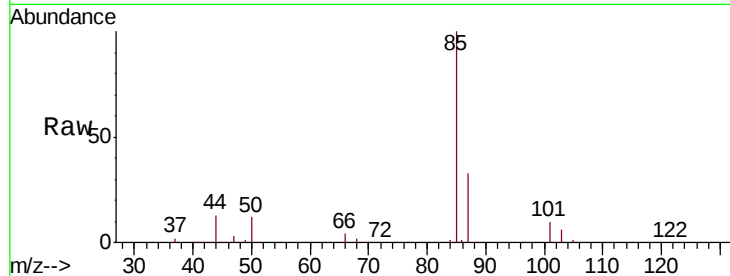
VSTD00550

Tgt Ion: 85 Resp: 66730

Ion Ratio Lower Upper

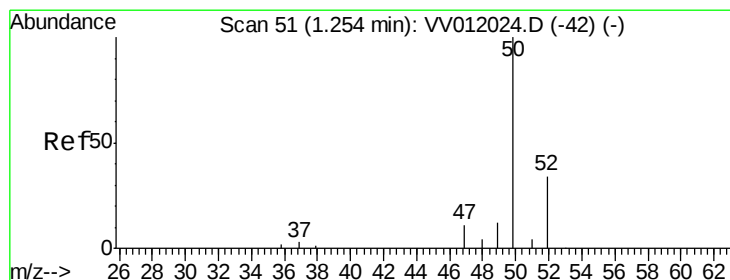
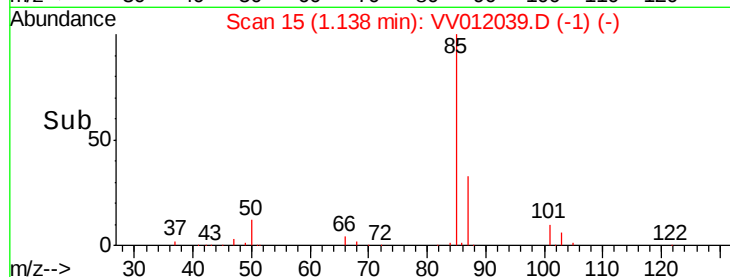
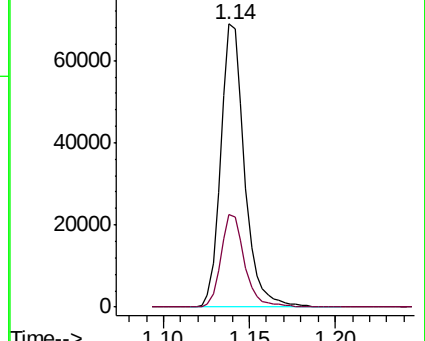
85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV012024.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012039.D (-1) (-)



#3

Chloromethane

Concen: 5.176 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012039.D

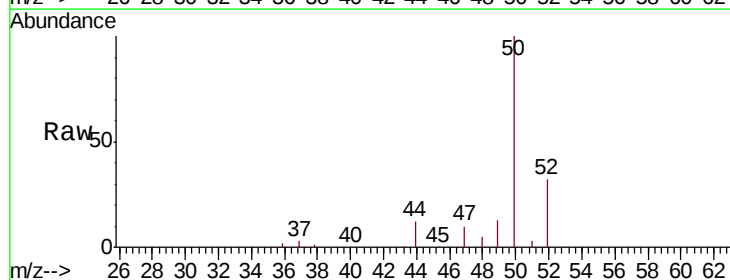
Acq: 25 Jul 2019 20:39

Tgt Ion: 50 Resp: 38541

Ion Ratio Lower Upper

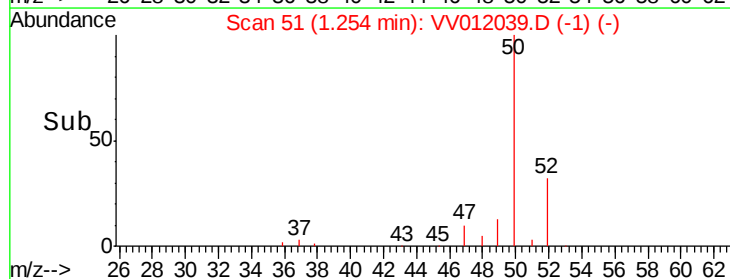
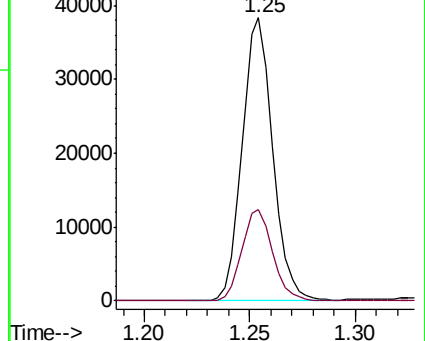
50 100

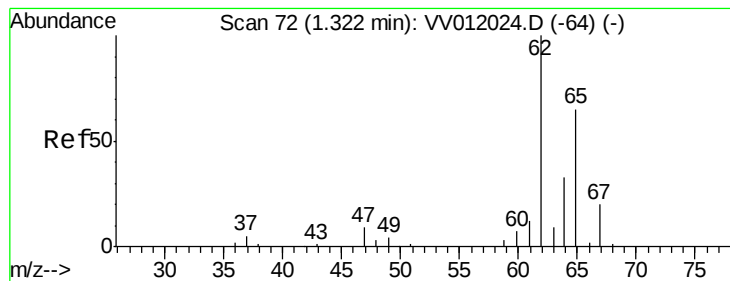
52 32.3 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV012024.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012039.D (-1) (-)





#5

Vinyl chloride

Concen: 5.356 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

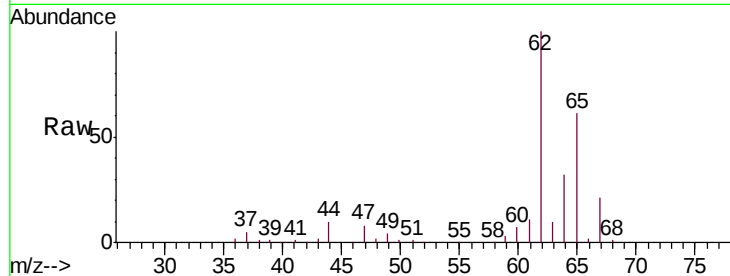
VSTD00550

Tgt Ion: 62 Resp: 40835

Ion Ratio Lower Upper

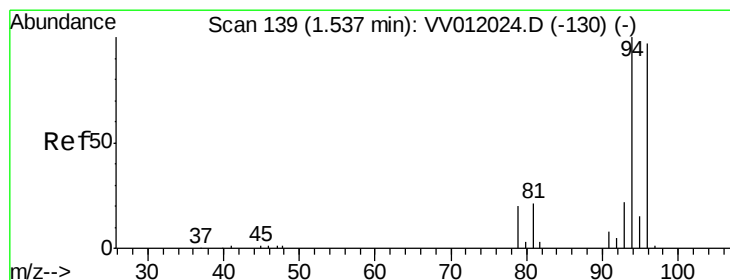
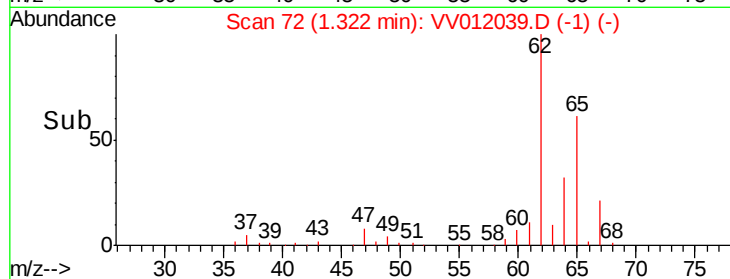
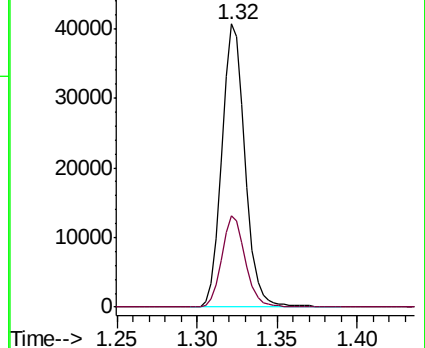
62 100

64 32.3 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.563 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012039.D

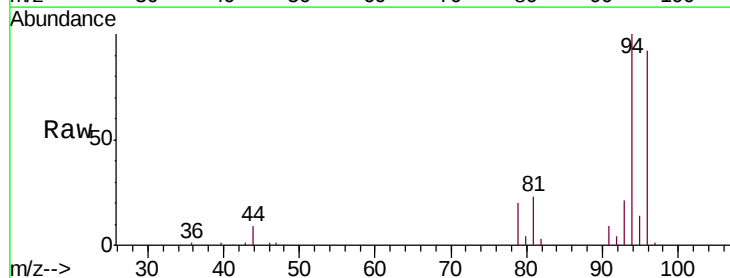
Acq: 25 Jul 2019 20:39

Tgt Ion: 94 Resp: 24943

Ion Ratio Lower Upper

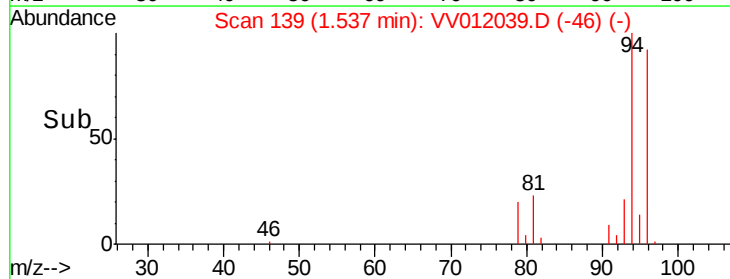
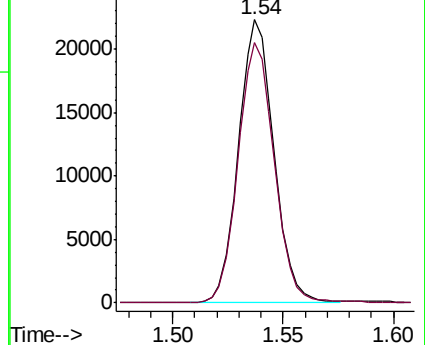
94 100

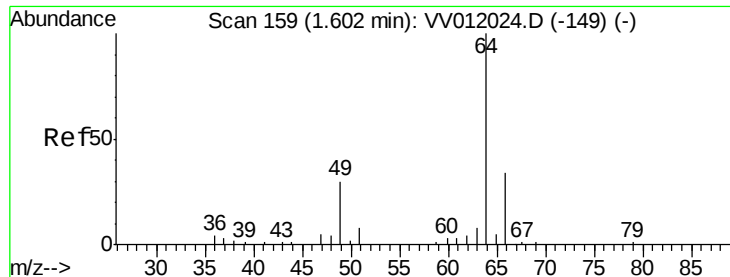
96 91.9 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

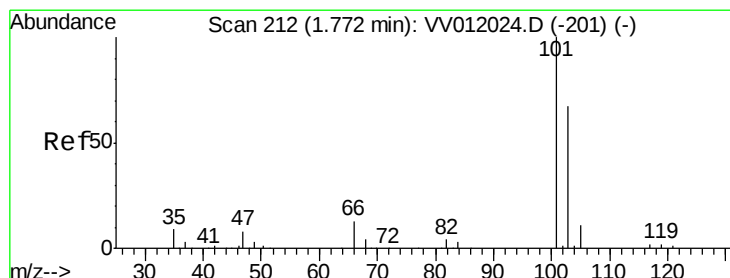
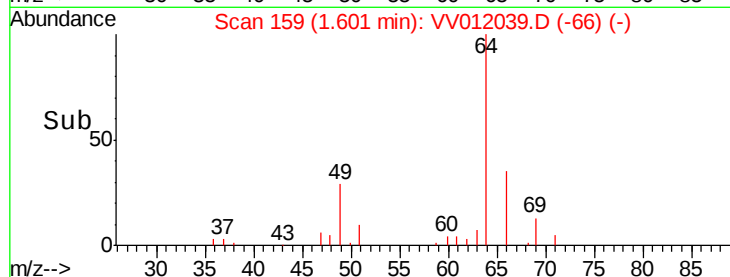
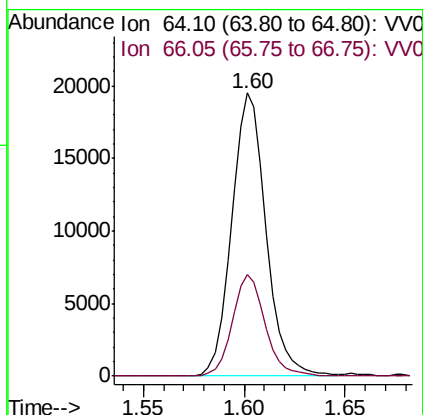
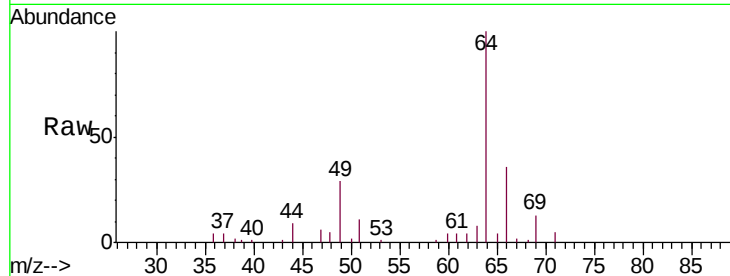




#8
Chloroethane
Concen: 5.153 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

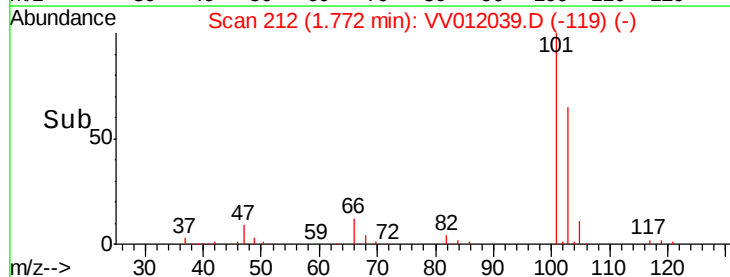
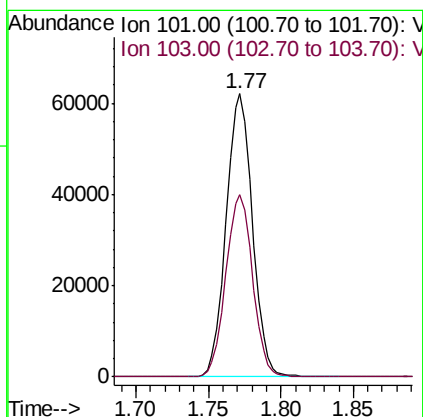
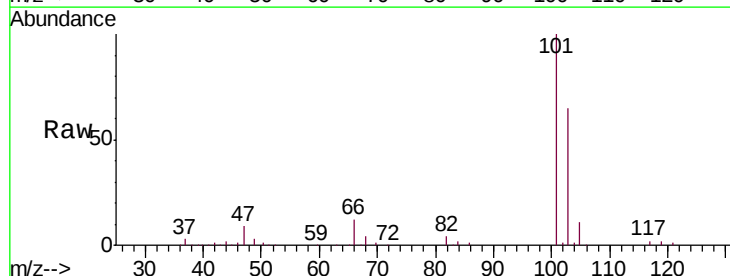
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

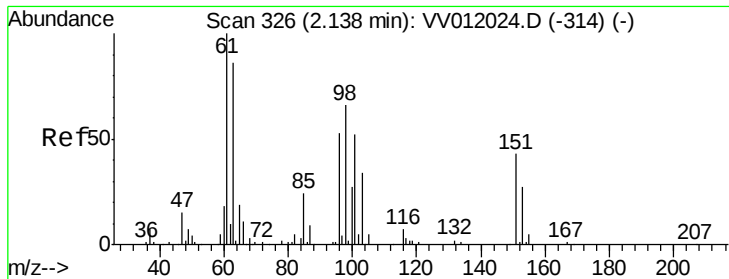
Tgt Ion: 64 Resp: 23241
Ion Ratio Lower Upper
64 100
66 36.0 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.543 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 101 Resp: 77894
Ion Ratio Lower Upper
101 100
103 65.5 50.4 75.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.411 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampled :

VSTD00550

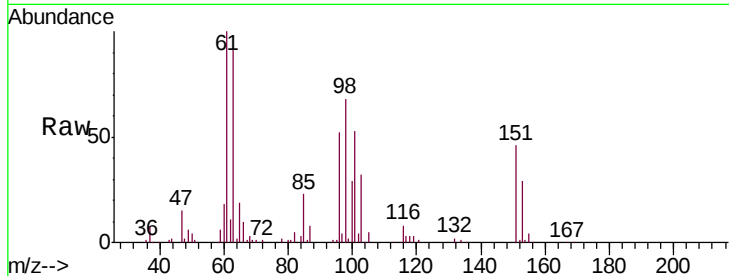
Tgt Ion: 101 Resp: 34183

Ion Ratio Lower Upper

101 100

85 44.8 37.0 55.6

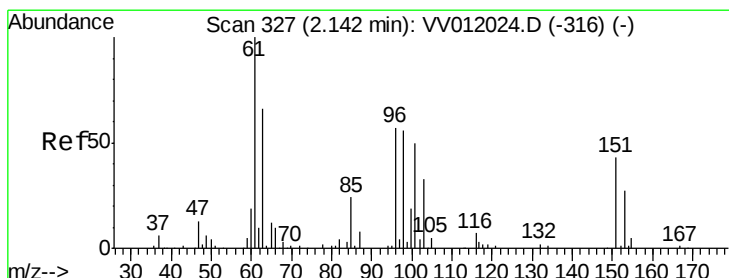
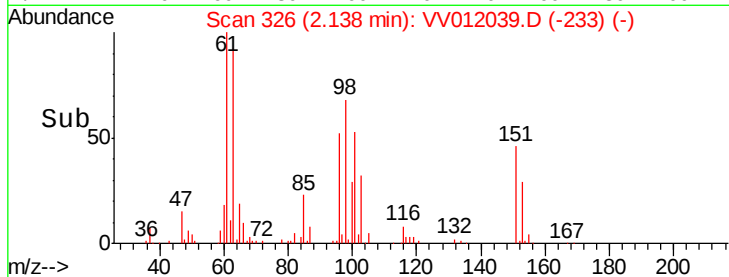
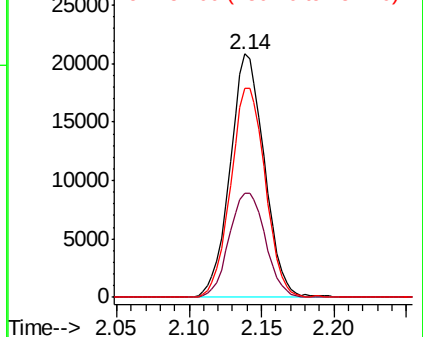
151 86.1 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.441 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

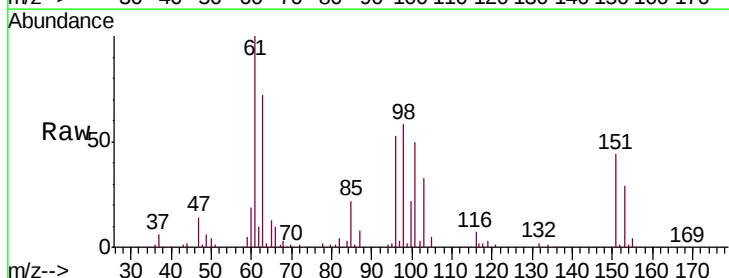
Tgt Ion: 96 Resp: 30744

Ion Ratio Lower Upper

96 100

61 188.5 132.7 246.5

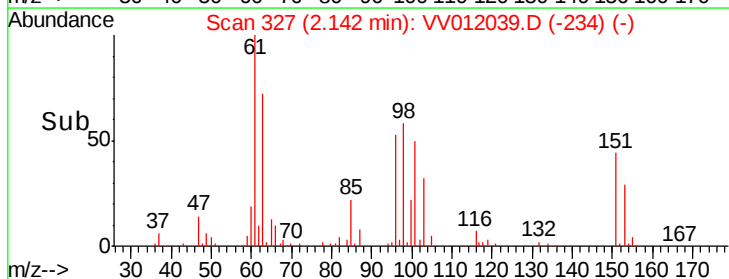
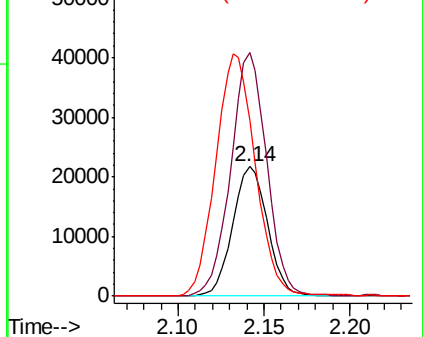
63 136.4 104.0 193.1

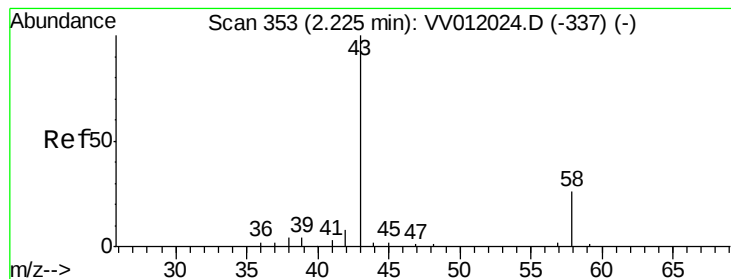


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.296 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

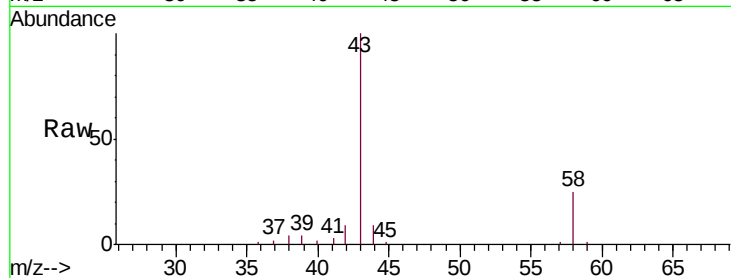
VSTD00550

Tgt Ion: 43 Resp: 52153

Ion Ratio Lower Upper

43 100

58 24.8 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV012024.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV012024.D (-337) (-)

2.23

15000

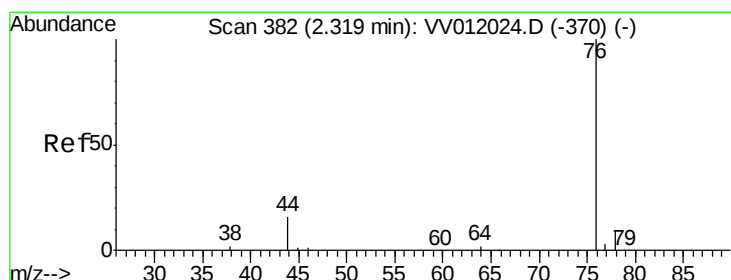
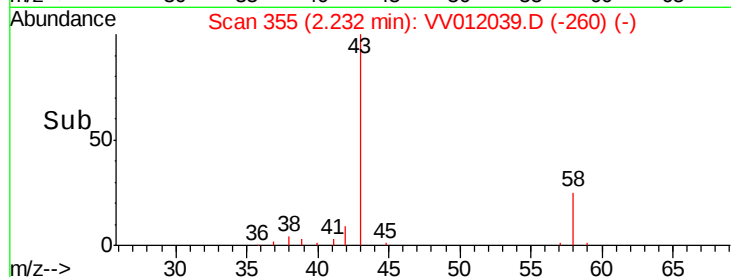
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.082 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012039.D

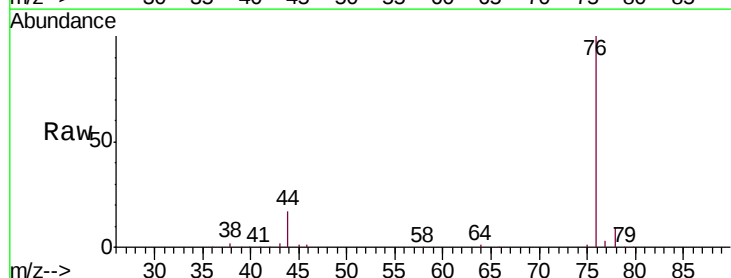
Acq: 25 Jul 2019 20:39

Tgt Ion: 76 Resp: 81850

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV012024.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012024.D (-370) (-)

2.32

60000

50000

40000

30000

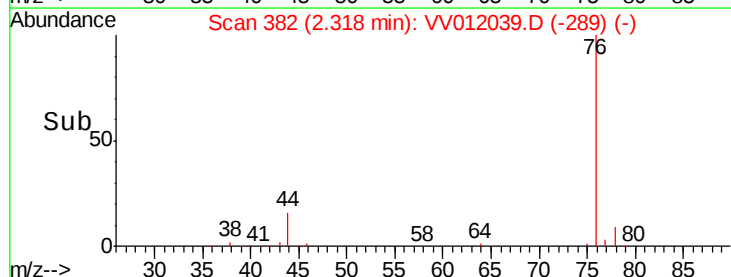
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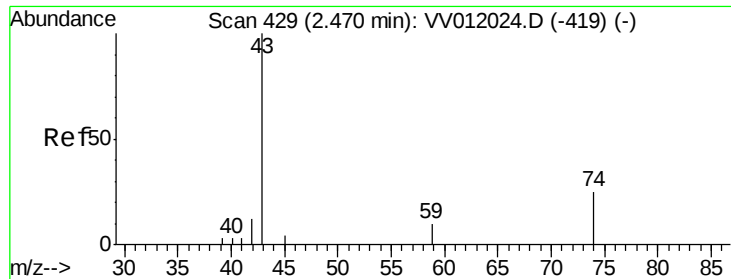
10000

0

Time-->

2.25 2.30 2.35

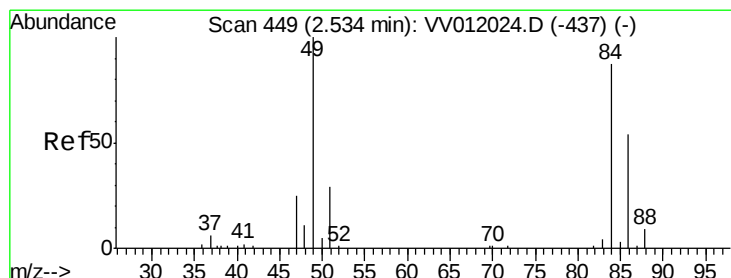
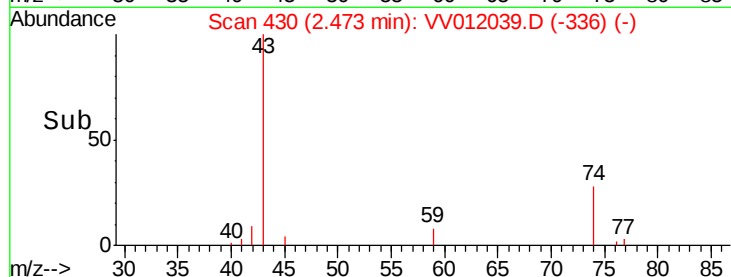
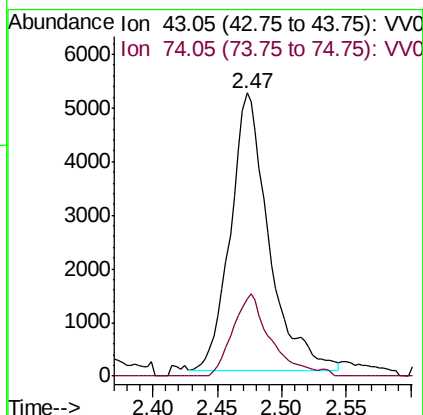
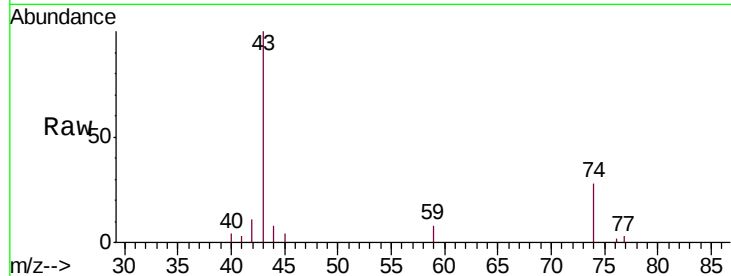




#15
Methyl Acetate
Concen: 4.820 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

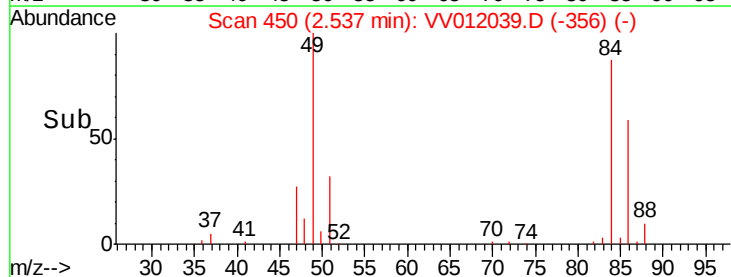
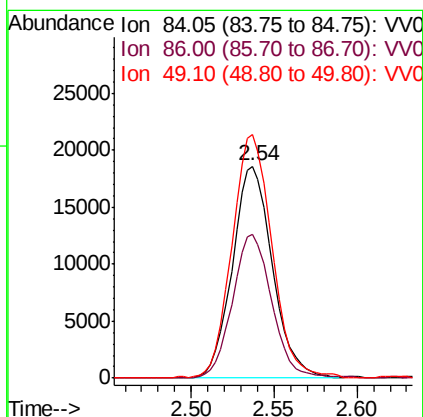
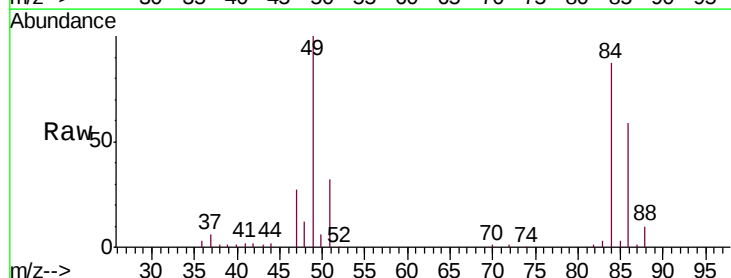
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

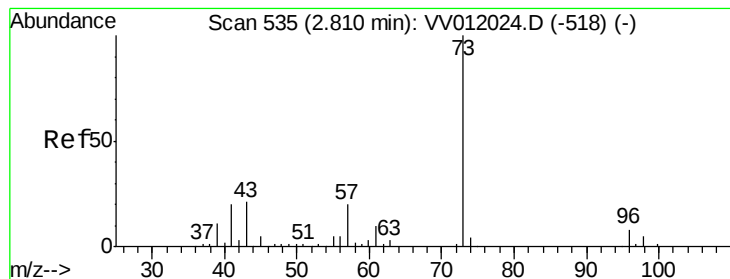
Tgt Ion: 43 Resp: 10699
Ion Ratio Lower Upper
43 100
74 28.9 23.4 35.2



#16
Methylene chloride
Concen: 4.924 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 84 Resp: 31196
Ion Ratio Lower Upper
84 100
86 67.9 47.6 88.4
49 114.8 84.3 156.5





#17

Methyl tert-butyl Ether

Concen: 5.460 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

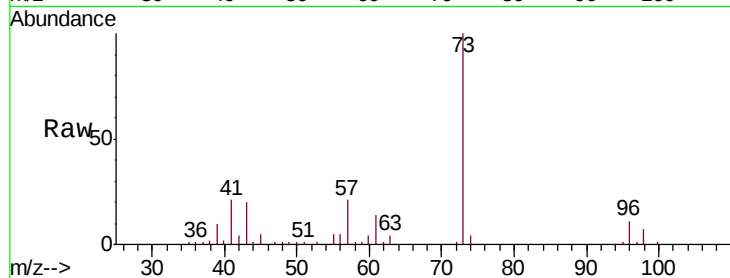
Tgt Ion: 73 Resp: 105281

Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.4

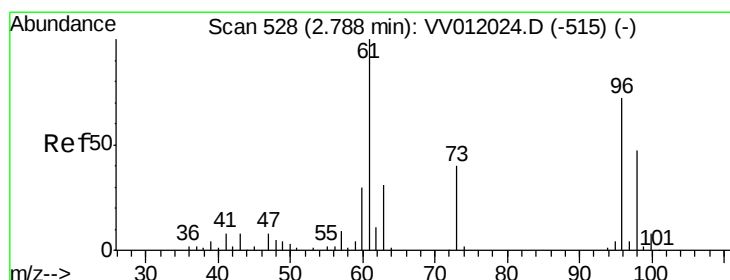
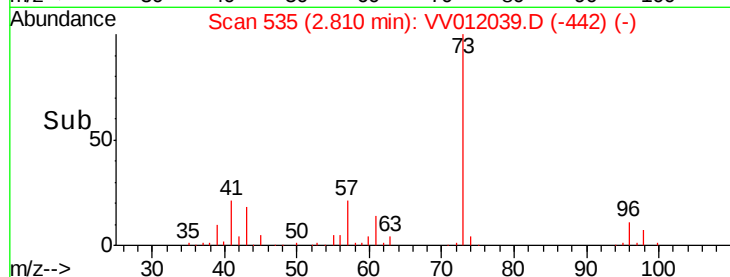
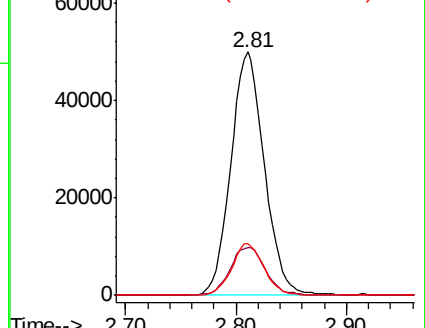
57 20.6 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012024.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV012024.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV012024.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.212 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

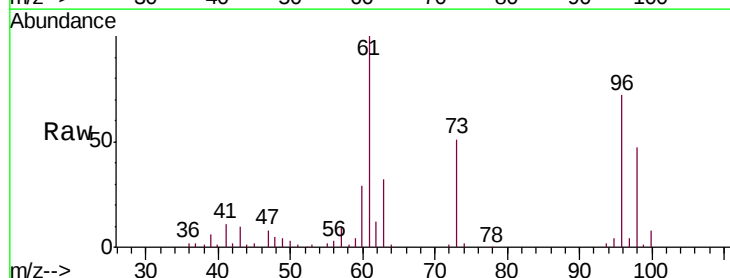
Tgt Ion: 96 Resp: 45866

Ion Ratio Lower Upper

96 100

61 138.6 95.4 177.2

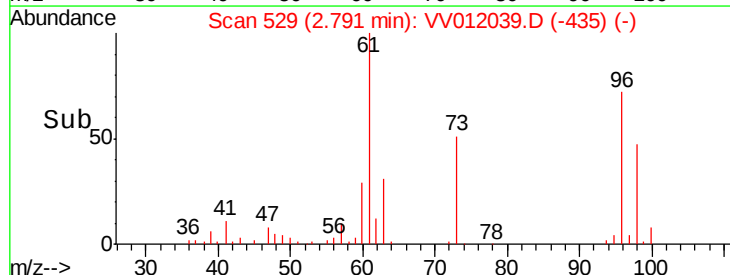
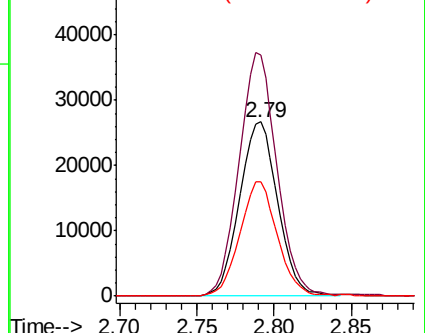
98 65.4 44.4 82.5

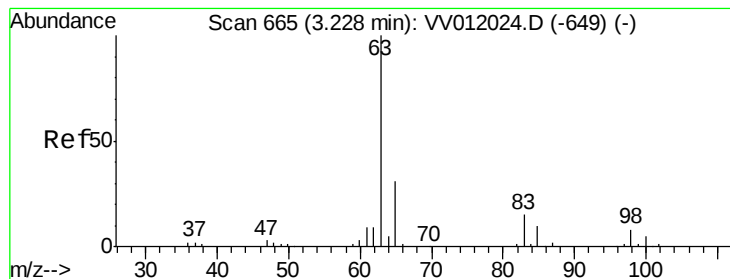


Abundance Ion 96.00 (95.70 to 96.70): VV012024.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012024.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012024.D (-515) (-)





#19

1,1-Dichloroethane

Concen: 5.407 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

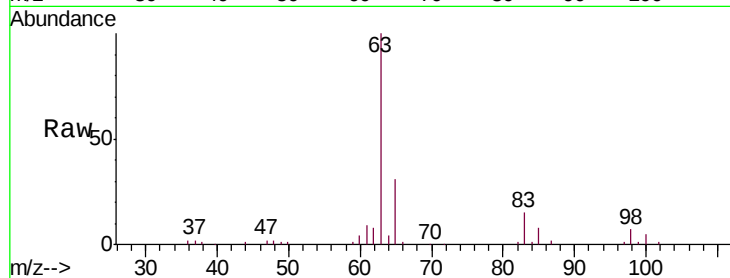
Tgt Ion: 63 Resp: 84029

Ion Ratio Lower Upper

63 100

65 31.4 23.5 43.7

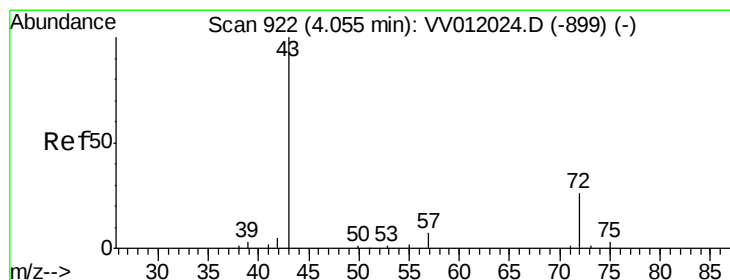
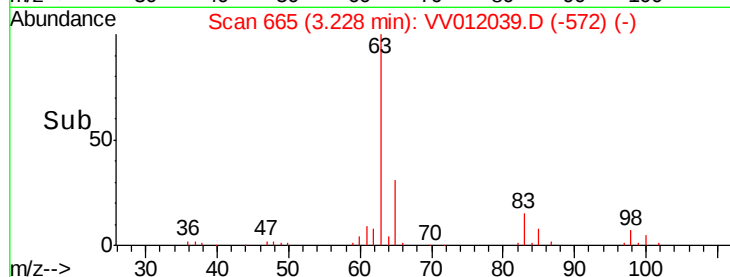
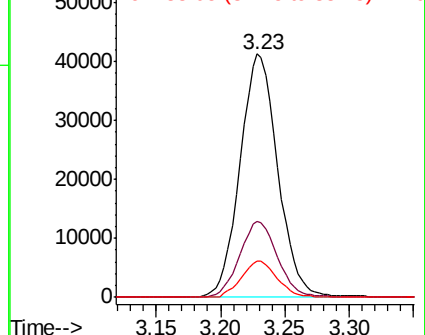
83 14.7 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 53.099 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV012039.D

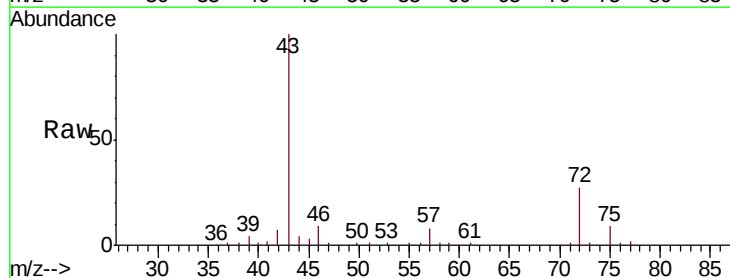
Acq: 25 Jul 2019 20:39

Tgt Ion: 43 Resp: 103565

Ion Ratio Lower Upper

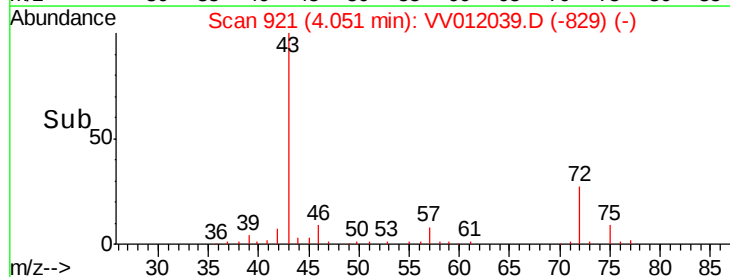
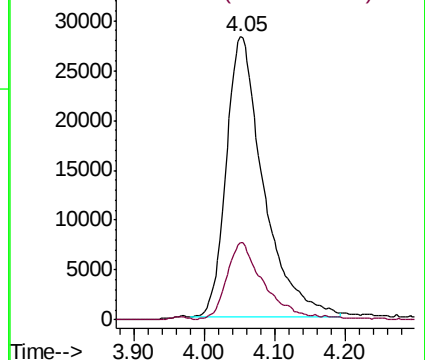
43 100

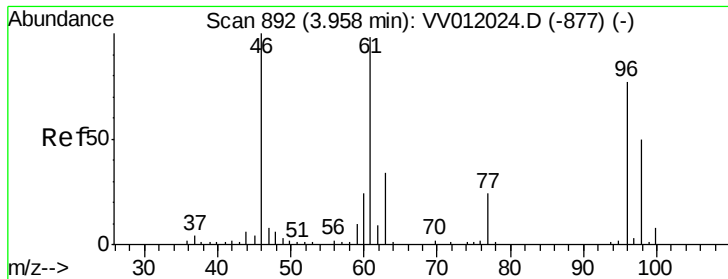
72 27.2 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



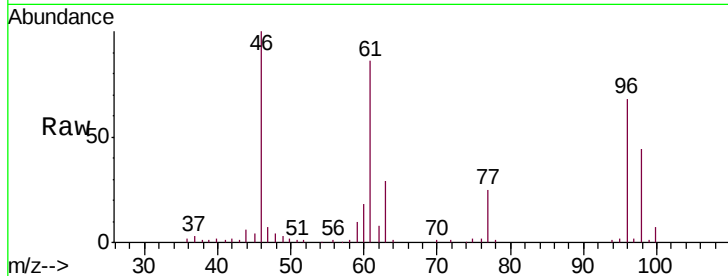


#22

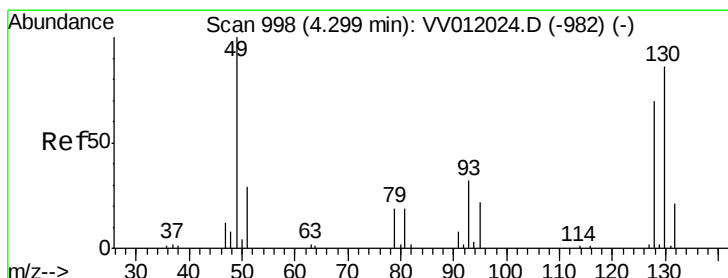
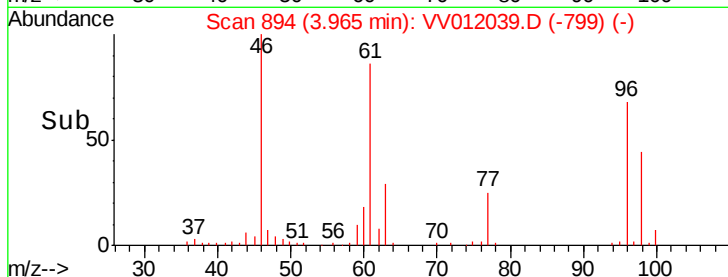
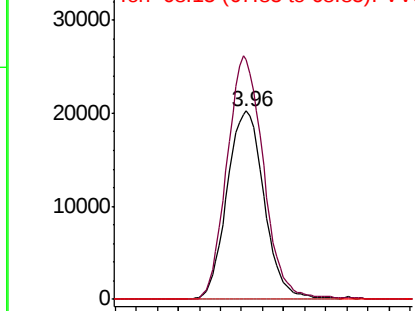
cis-1,2-Dichloroethene
Concen: 5.238 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 96 Resp: 49537
Ion Ratio Lower Upper
96 100
61 127.5 89.0 165.2
68 0.0 0.0 0.0



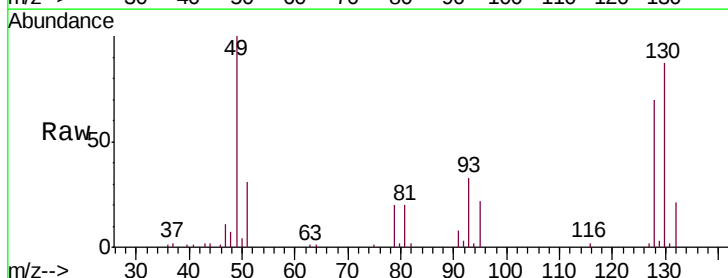
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



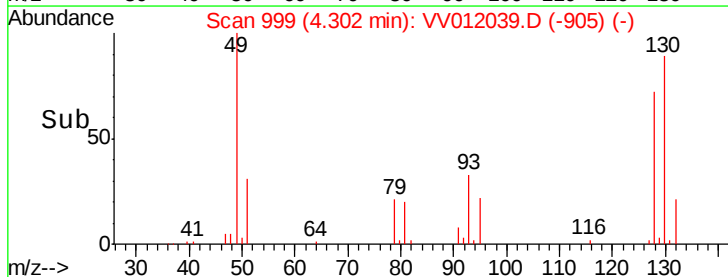
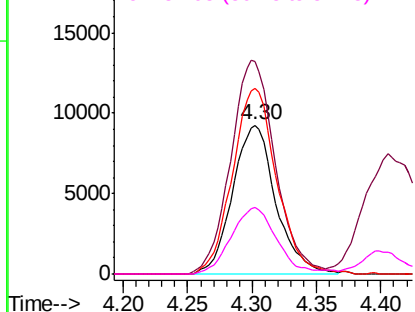
#23

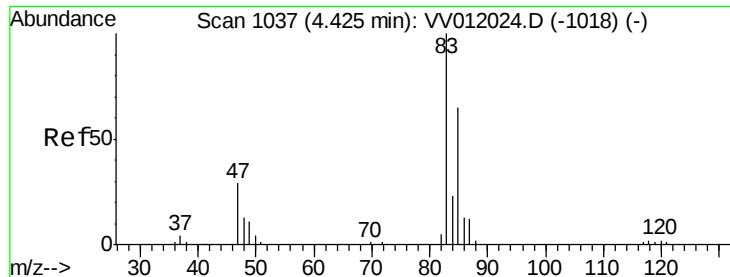
Bromochloromethane
Concen: 5.536 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 128 Resp: 21522
Ion Ratio Lower Upper
128 100
49 142.2 105.5 195.9
130 124.3 88.4 164.2
51 44.4 37.4 56.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

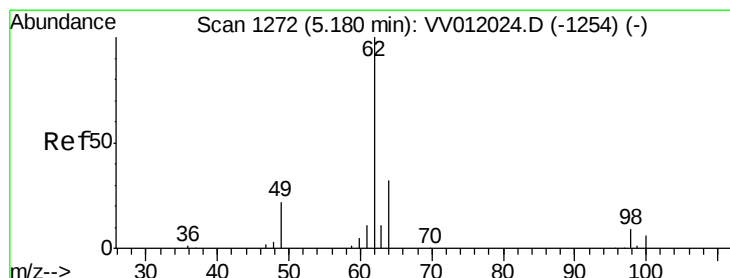
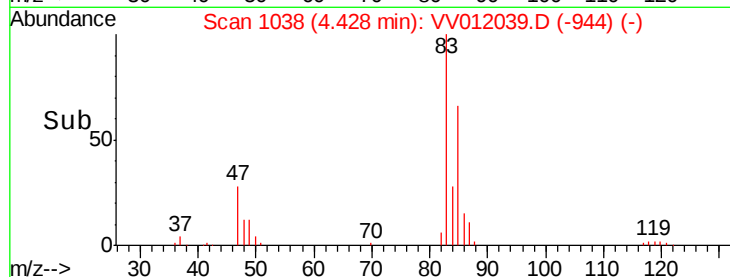
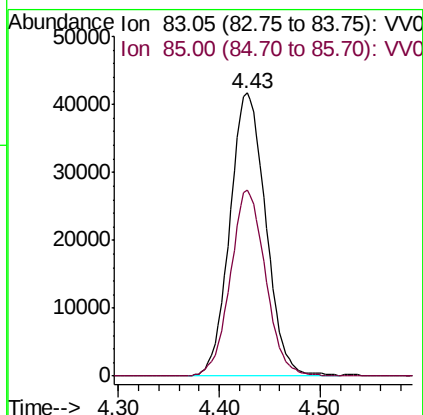
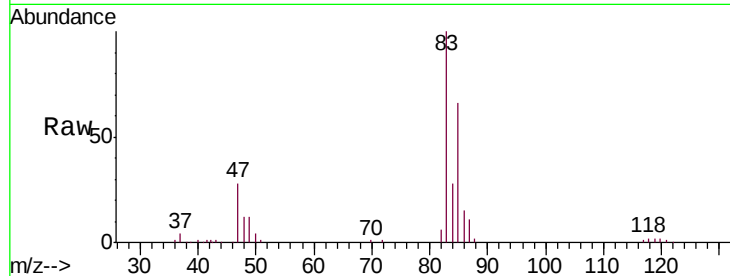




#25
Chloroform
Concen: 5.487 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

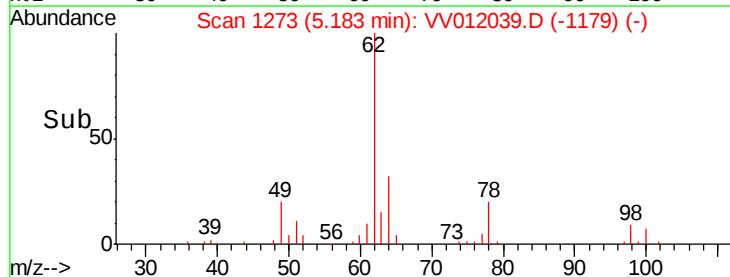
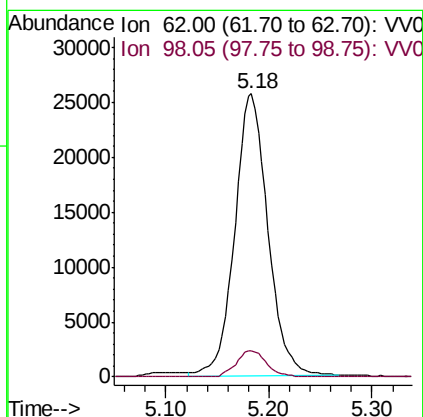
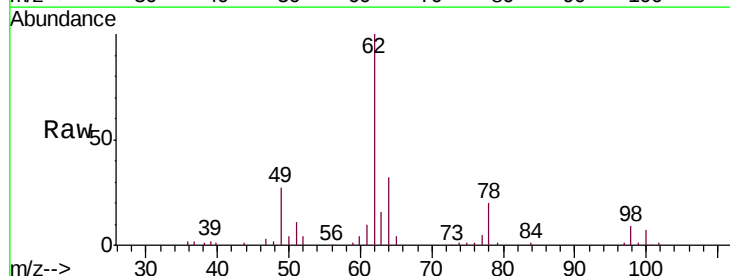
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

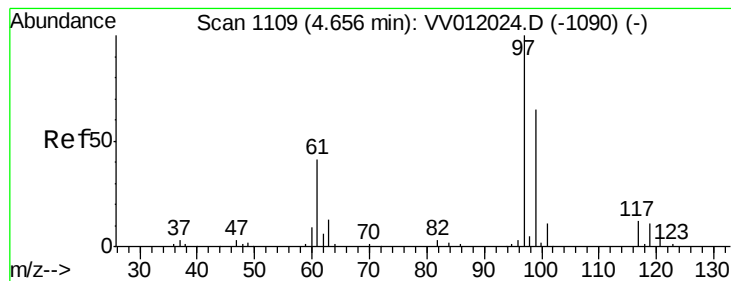
Tgt Ion: 83 Resp: 102999
Ion Ratio Lower Upper
83 100
85 65.6 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.504 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 62 Resp: 57439
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.532 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

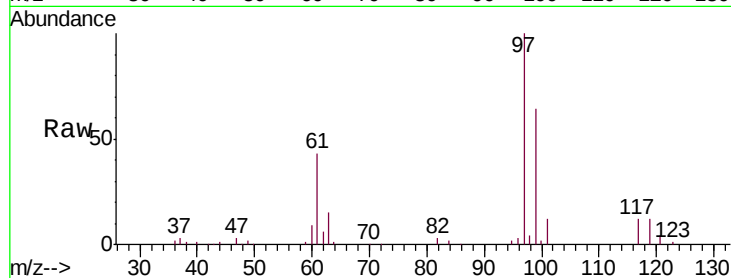
Tgt Ion: 97 Resp: 84620

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

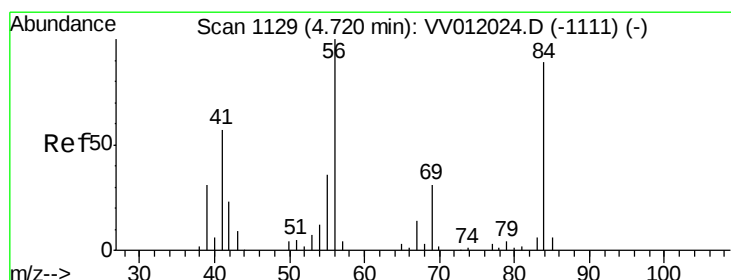
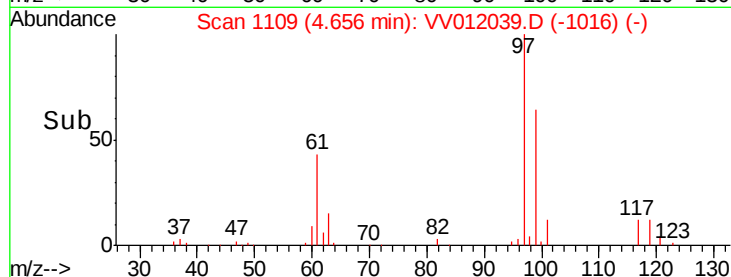
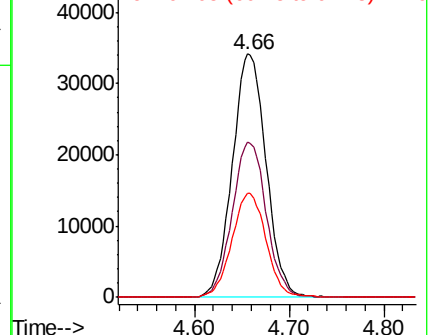
61 43.4 35.1 52.7



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.979 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

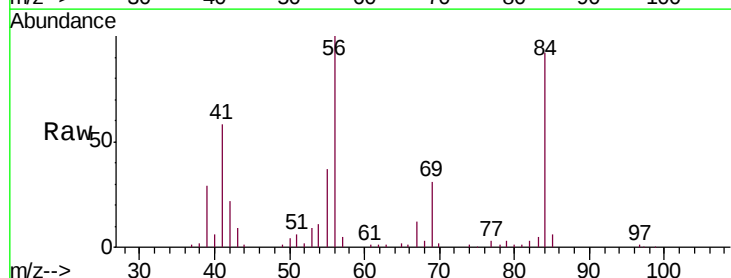
Tgt Ion: 56 Resp: 71948

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

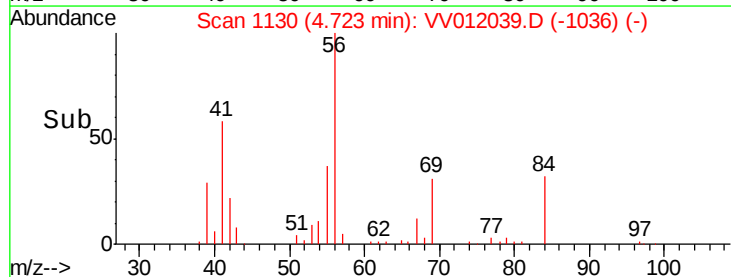
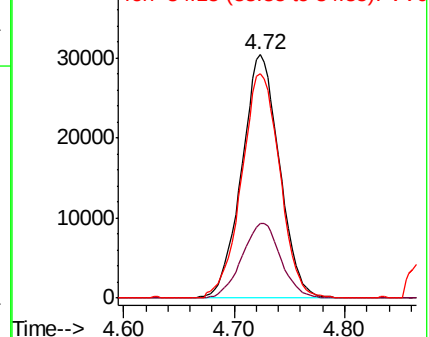
84 93.7 73.4 110.0

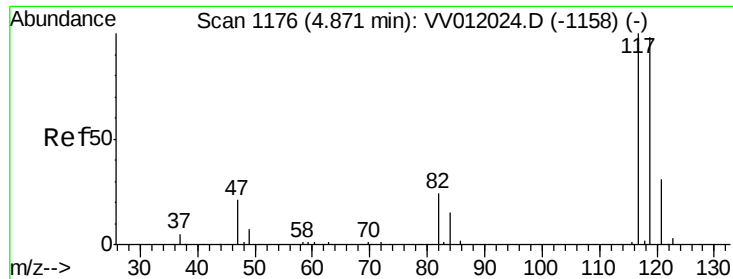


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

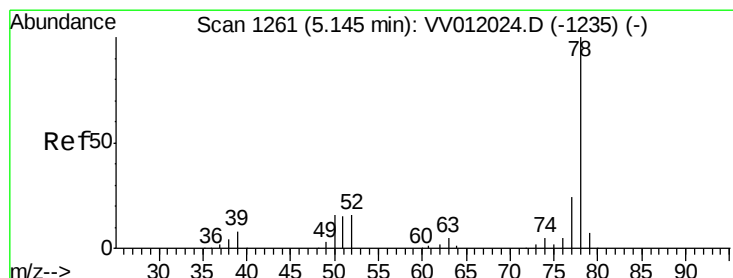
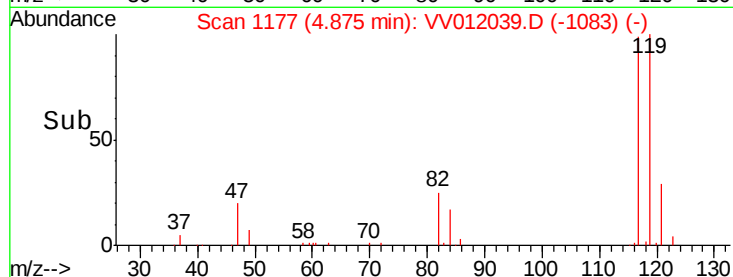
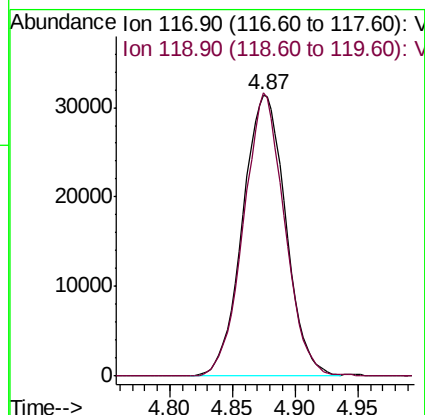
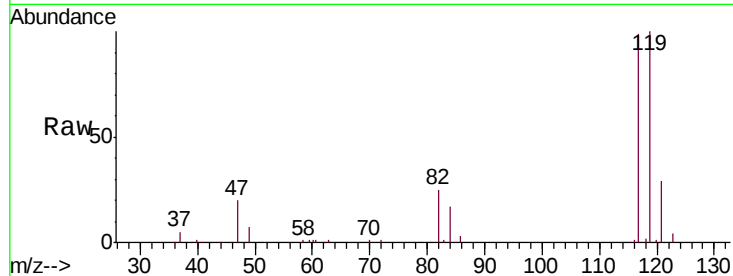




#31
Carbon tetrachloride
Concen: 5.445 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

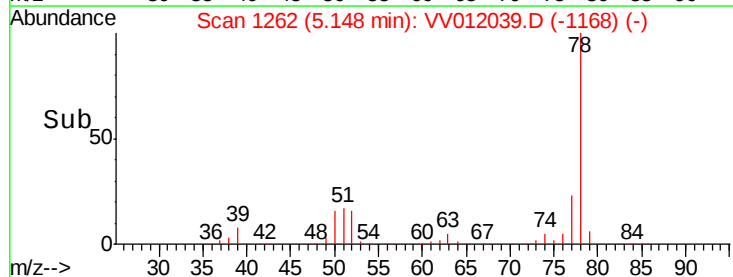
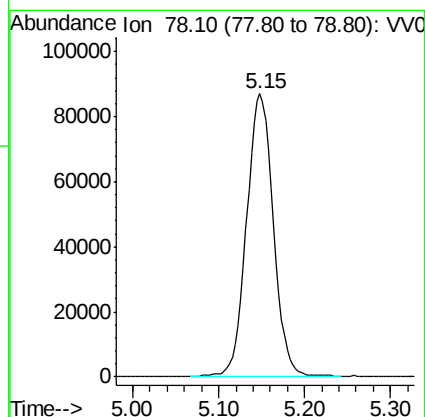
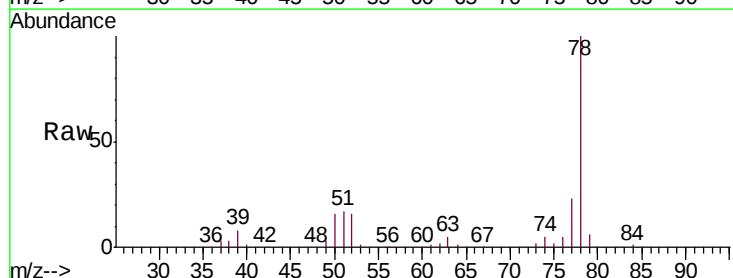
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

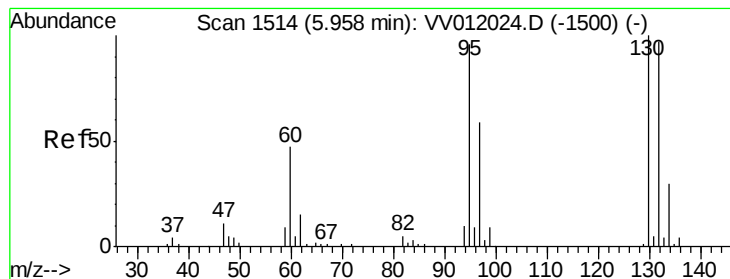
Tgt Ion:117 Resp: 74979
Ion Ratio Lower Upper
117 100
119 95.6 76.4 114.6



#33
Benzene
Concen: 5.379 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 78 Resp: 189100





#34

Trichloroethene

Concen: 5.186 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 50630

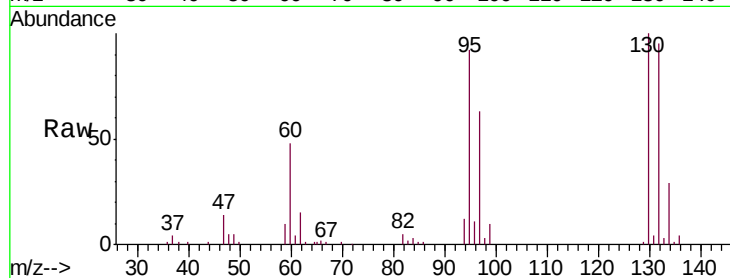
Ion Ratio Lower Upper

95 100

97 69.2 45.6 84.6

132 104.1 71.3 132.3

130 109.2 72.8 135.2

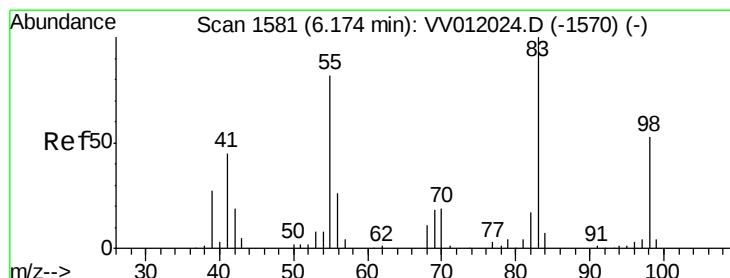
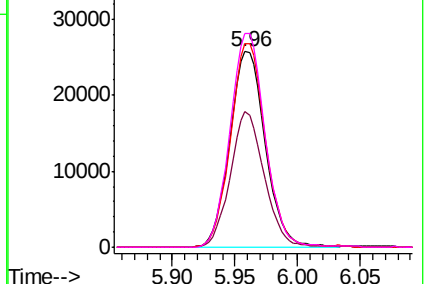
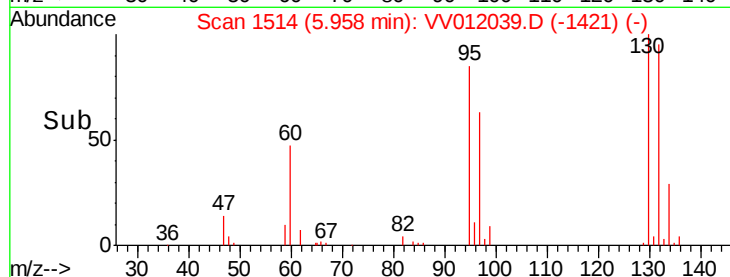


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.170 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

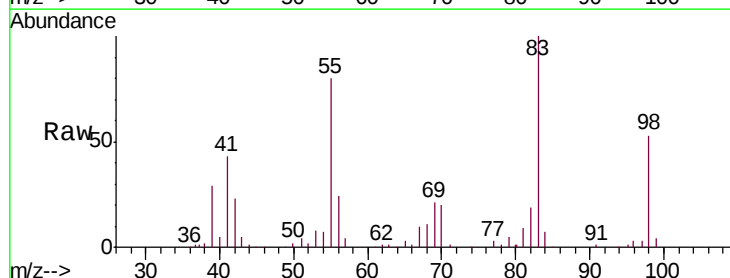
Tgt Ion: 83 Resp: 78567

Ion Ratio Lower Upper

83 100

55 77.0 63.0 94.4

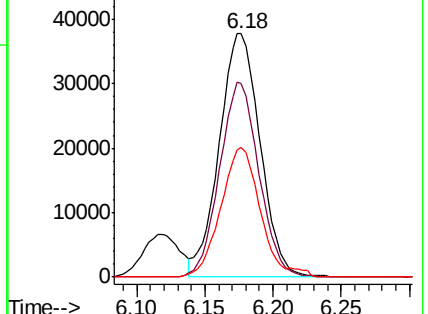
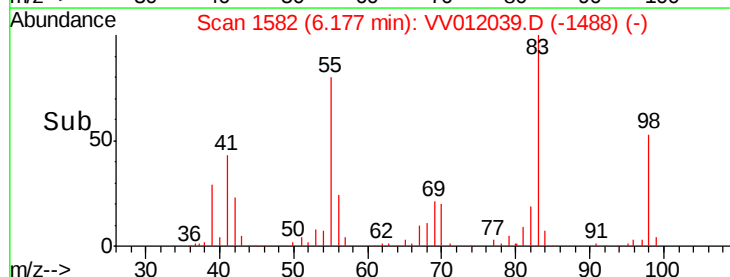
98 51.4 41.4 62.0

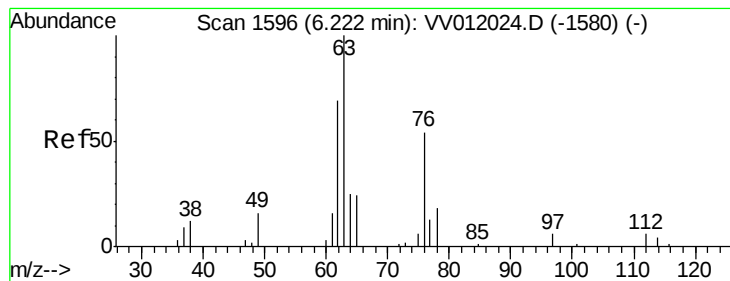


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.281 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

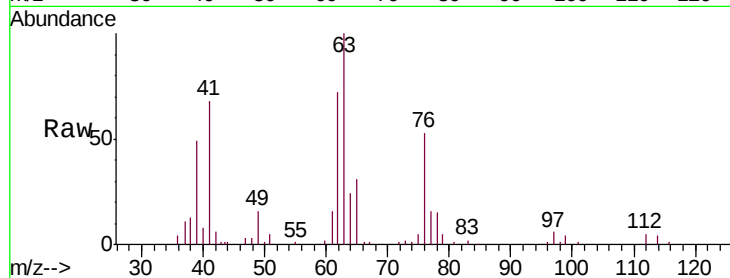
VSTD00550

Tgt Ion: 63 Resp: 44631

Ion Ratio Lower Upper

63 100

112 5.3 4.2 6.4



Abundance Ion 63.10 (62.80 to 63.80): VV012024.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV012024.D (-1580) (-)

6.22

25000

20000

15000

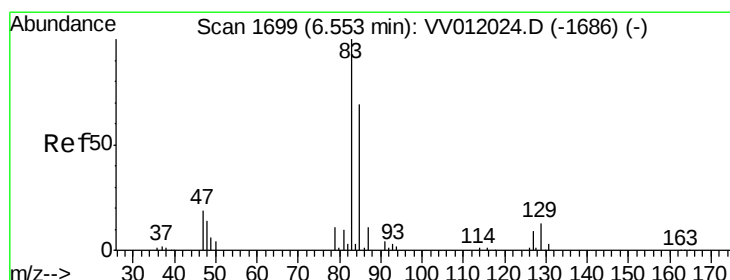
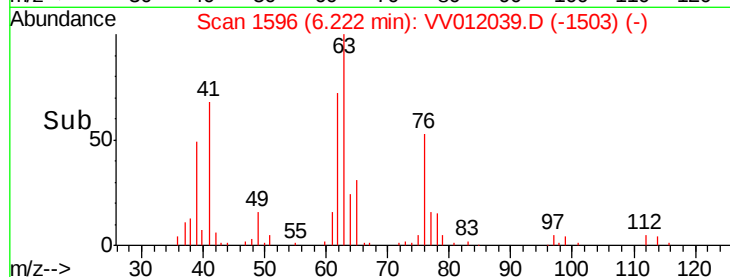
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.435 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

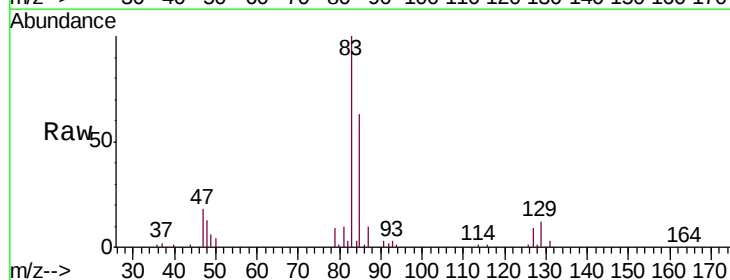
Tgt Ion: 83 Resp: 61374

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.4

127 9.0 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VV012024.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV012024.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV012024.D (-1686) (-)

6.56

40000

30000

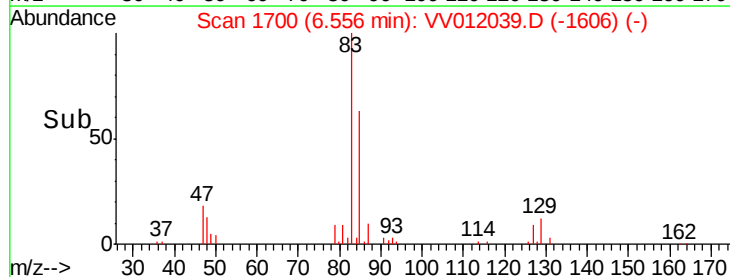
20000

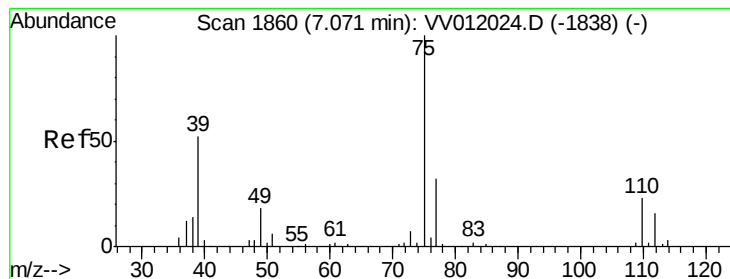
10000

0

6.50 6.55 6.60 6.65

Time-->



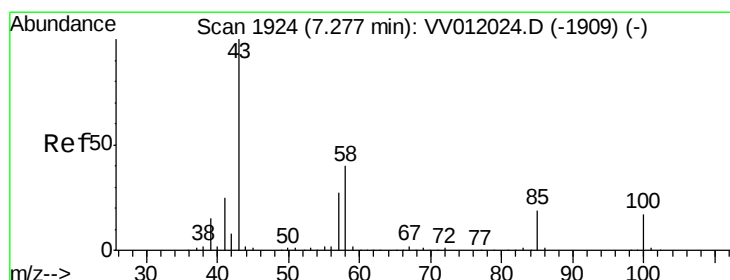
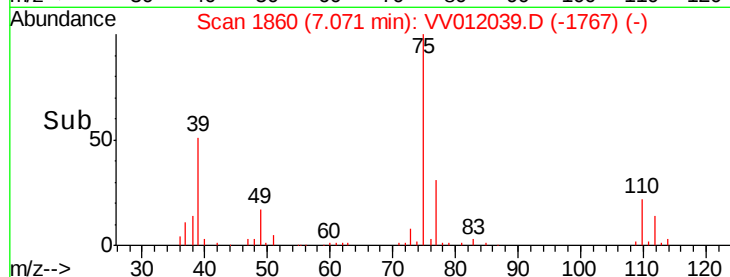
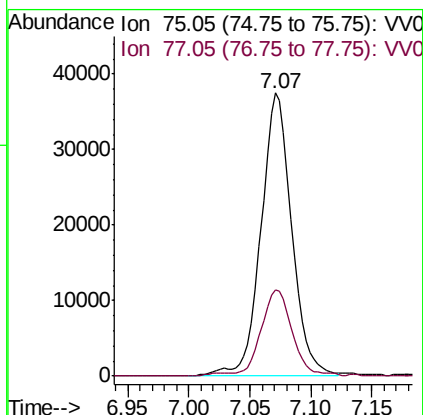
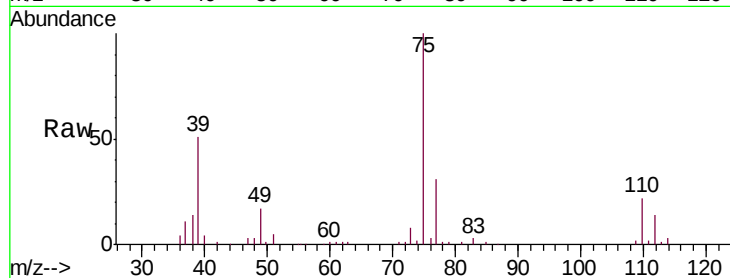


#39

cis-1,3-Dichloropropene
 Concen: 5.251 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

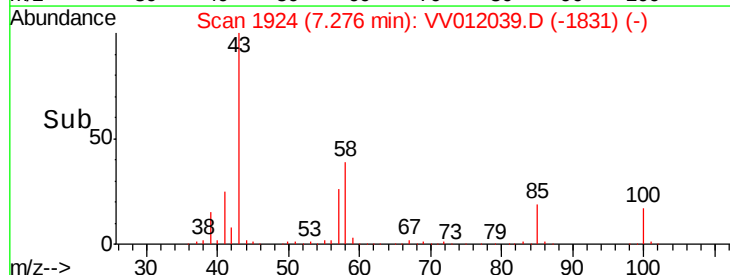
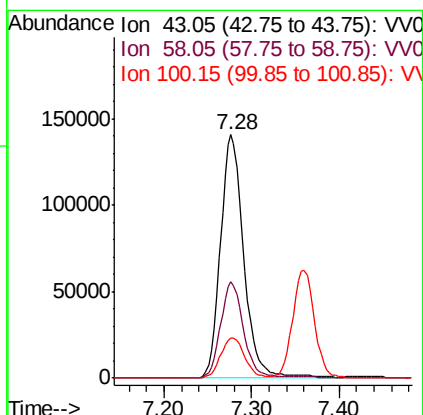
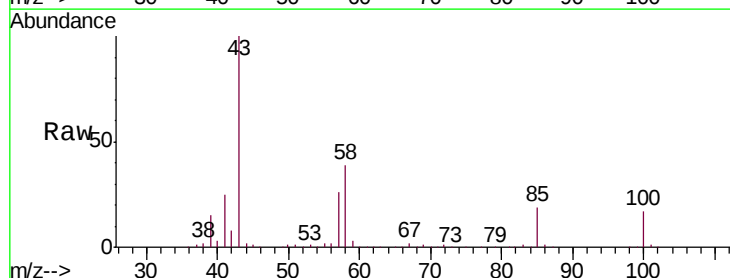
Tgt Ion: 75 Resp: 65777
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.3 39.6

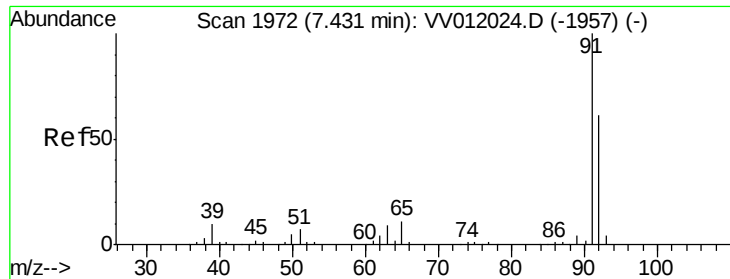


#40

4-Methyl-2-pentanone
 Concen: 55.113 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Tgt Ion: 43 Resp: 260263
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.2 46.8
 100 17.1 13.5 20.3





#42

Toluene

Concen: 5.433 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

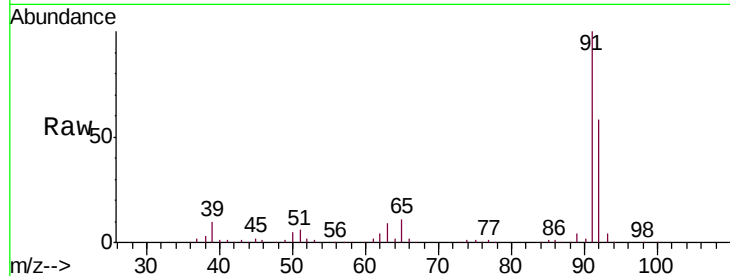
VSTD00550

Tgt Ion: 91 Resp: 205005

Ion Ratio Lower Upper

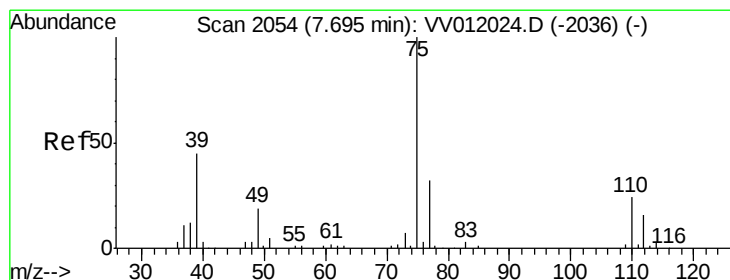
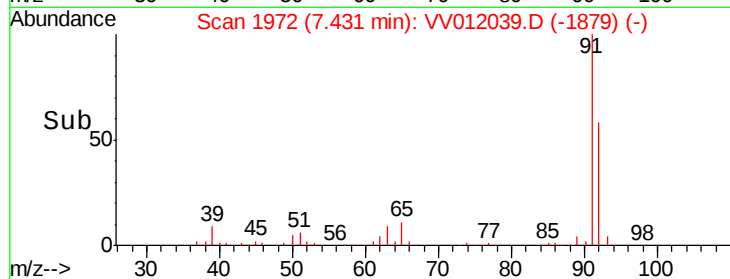
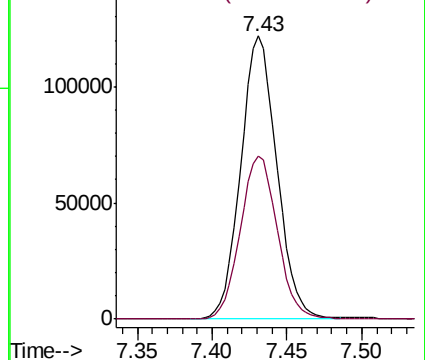
91 100

92 57.7 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.316 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012039.D

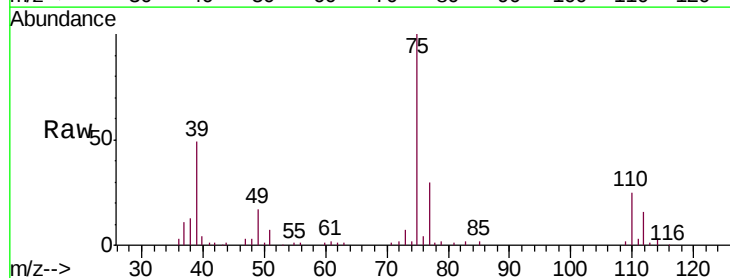
Acq: 25 Jul 2019 20:39

Tgt Ion: 75 Resp: 52972

Ion Ratio Lower Upper

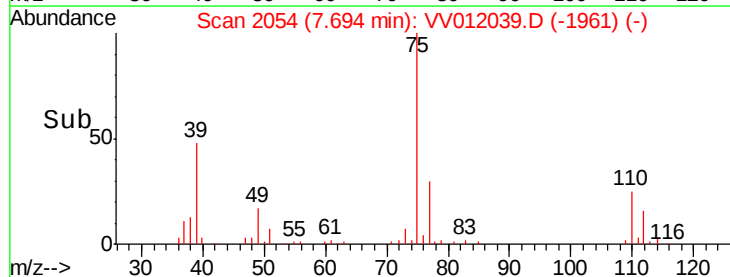
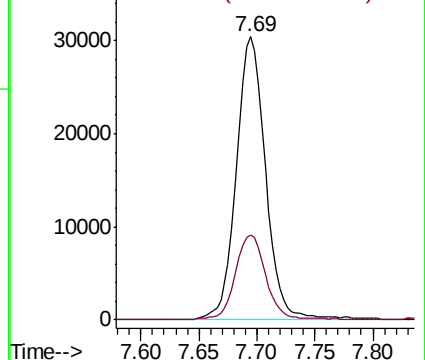
75 100

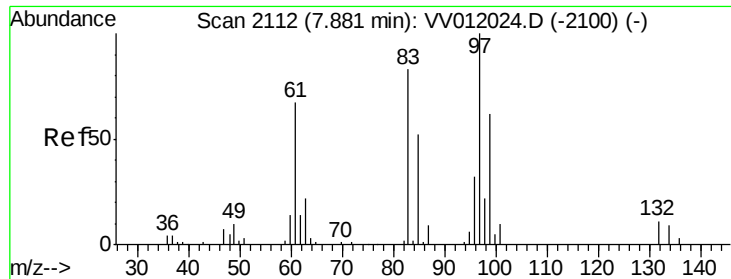
77 30.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

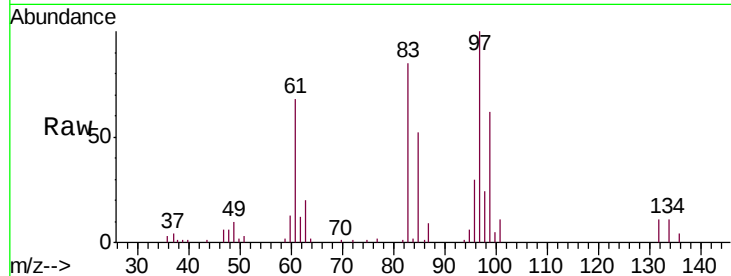




#45
 1,1,2-Trichloroethane
 Concen: 5.507 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:	97	Resp:	32148
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.0	81.8
83	84.8	59.5	110.5
85	52.5	36.6	68.0



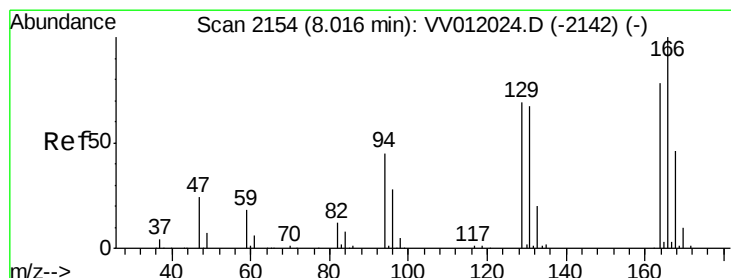
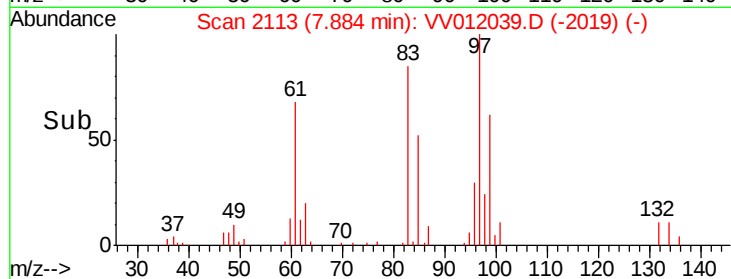
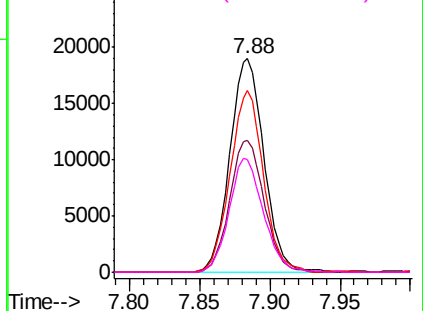
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

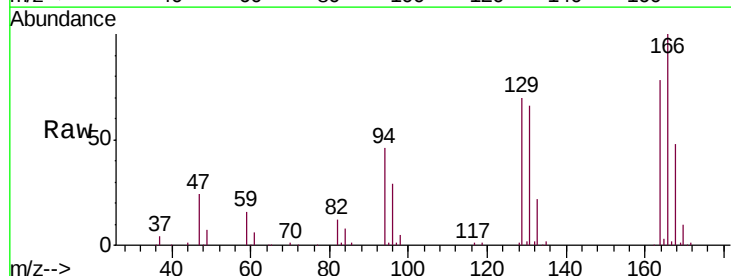
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.411 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Tgt Ion:	164	Resp:	45582
Ion	Ratio	Lower	Upper
164	100		
129	90.4	62.5	116.1
131	84.4	58.6	108.8
166	128.7	88.2	163.8



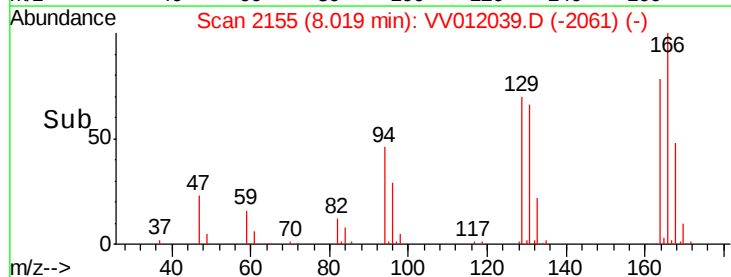
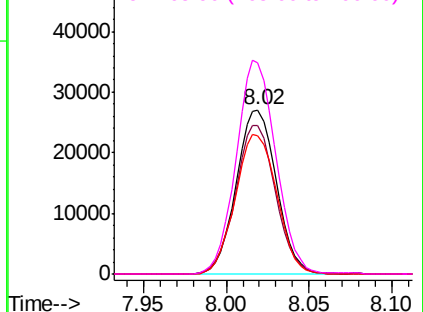
Abundance

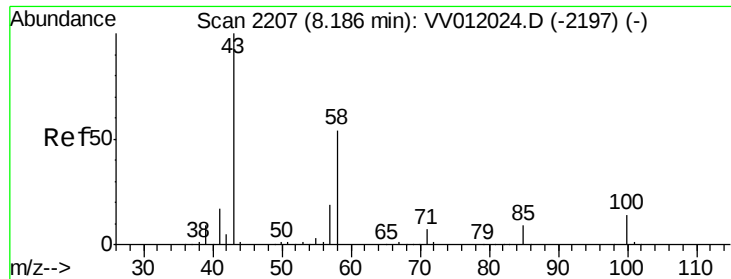
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

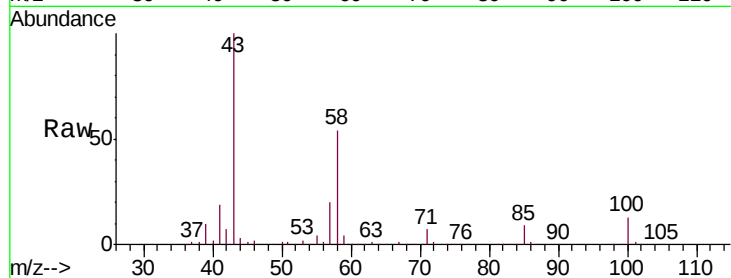




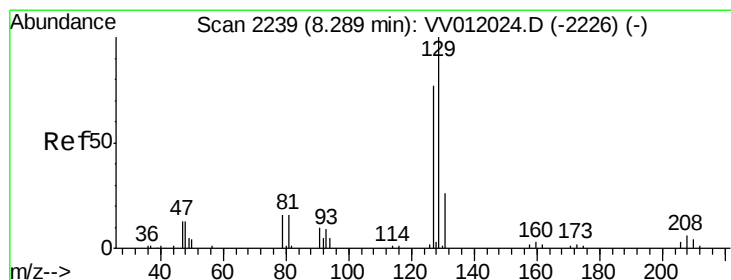
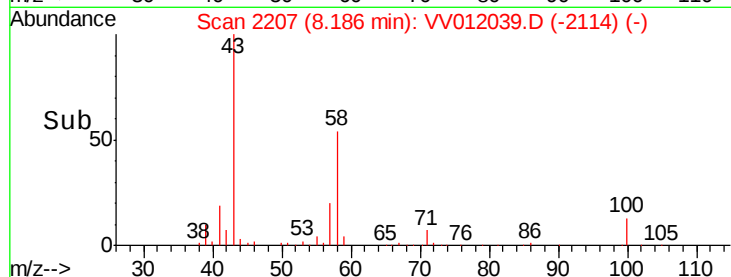
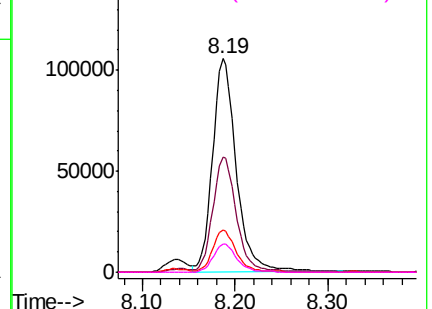
#48
2-Hexanone
Concen: 56.442 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 186976
Ion Ratio Lower Upper
43 100
58 53.6 43.7 65.5
57 19.3 16.0 24.0
100 13.3 10.5 15.7

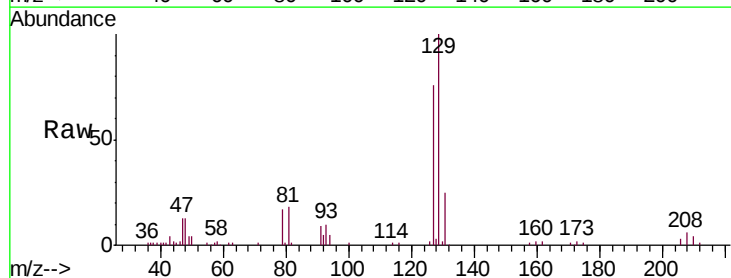


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

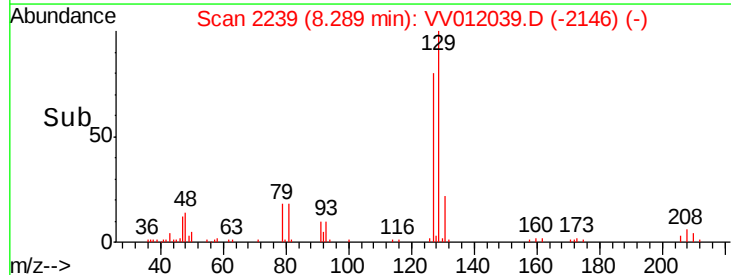
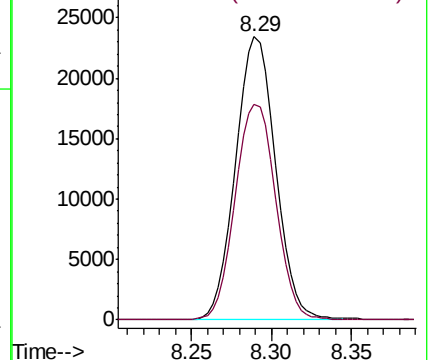


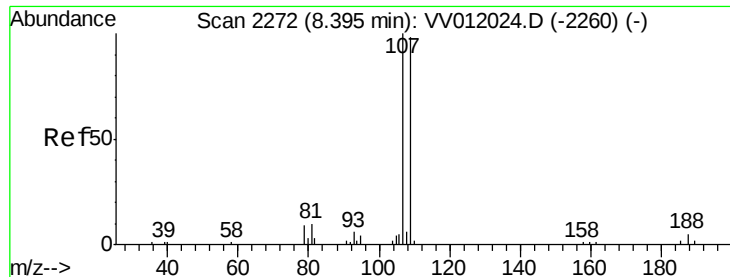
#49
Dibromochloromethane
Concen: 5.585 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 129 Resp: 39921
Ion Ratio Lower Upper
129 100
127 76.2 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

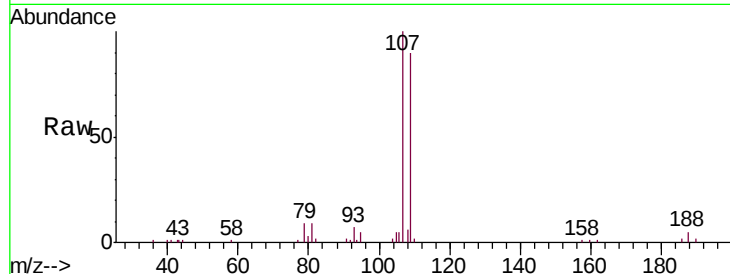




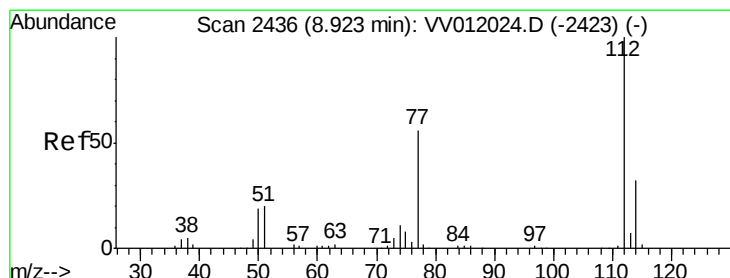
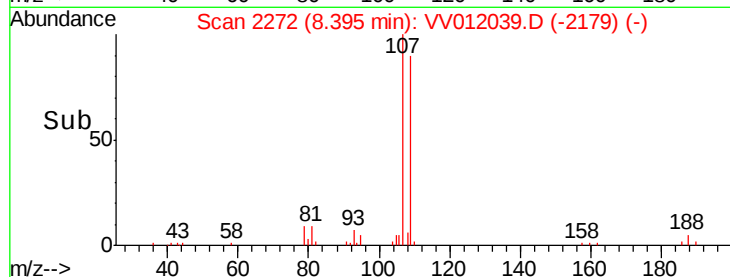
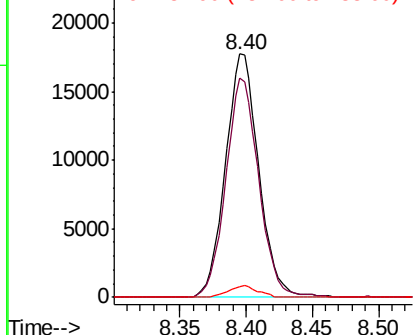
#50
1,2-Dibromoethane
Concen: 5.606 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion:107 Resp: 30895
Ion Ratio Lower Upper
107 100
109 89.8 68.1 126.5
188 4.6 3.5 5.3

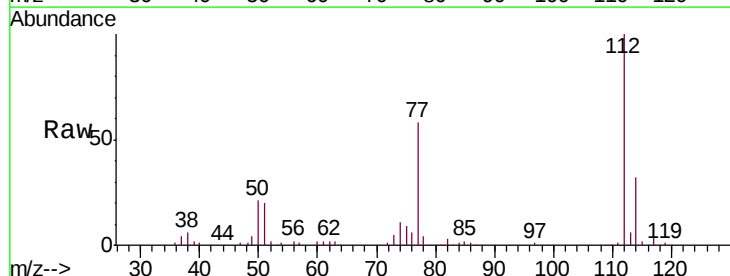


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

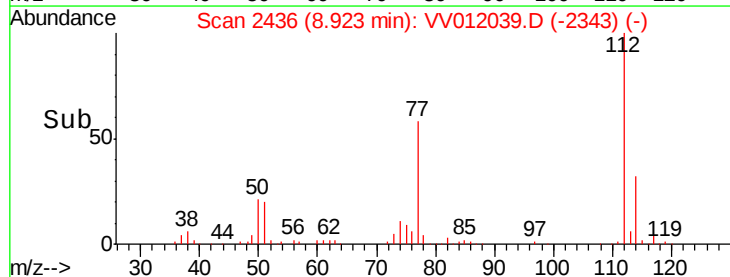
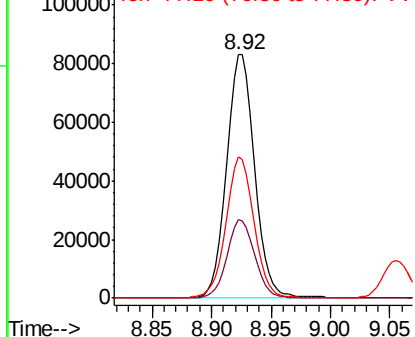


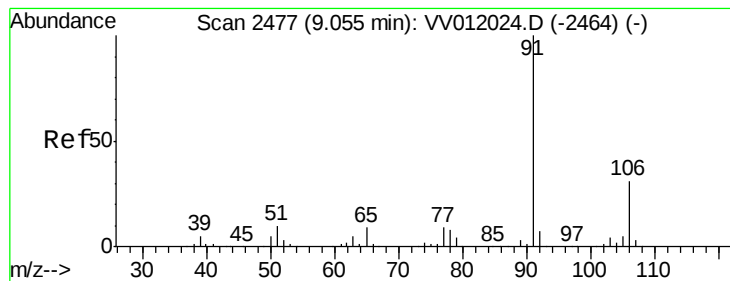
#51
Chlorobenzene
Concen: 5.505 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion:112 Resp: 136030
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.8
77 57.8 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.390 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

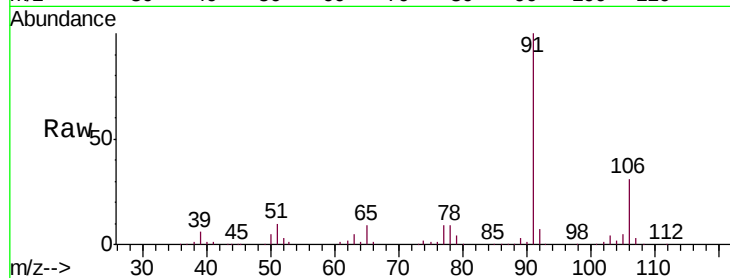
VSTD00550

Tgt Ion: 91 Resp: 232173

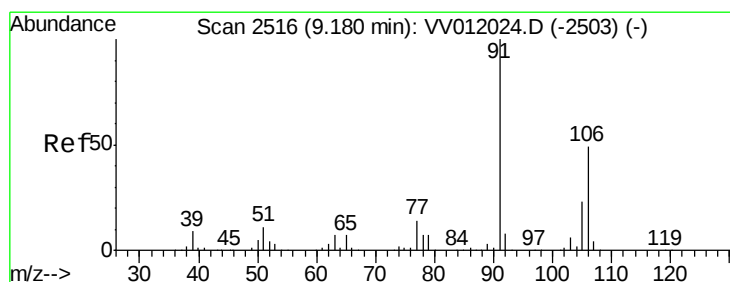
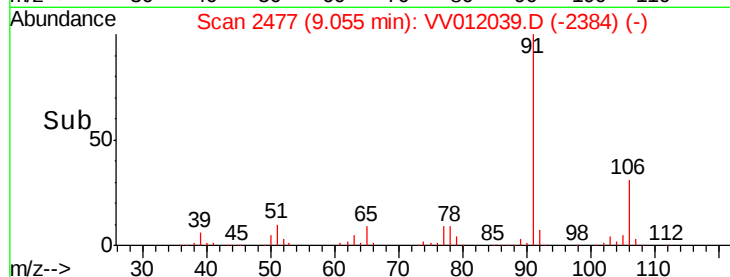
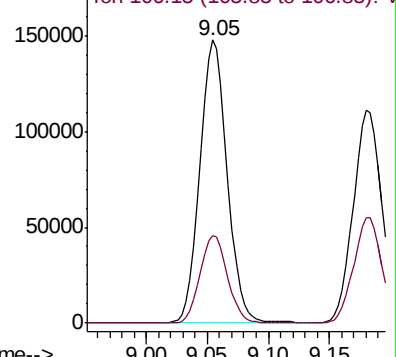
Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012039.D (-2384) (-)



#53

m,p-xylene

Concen: 5.462 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012039.D

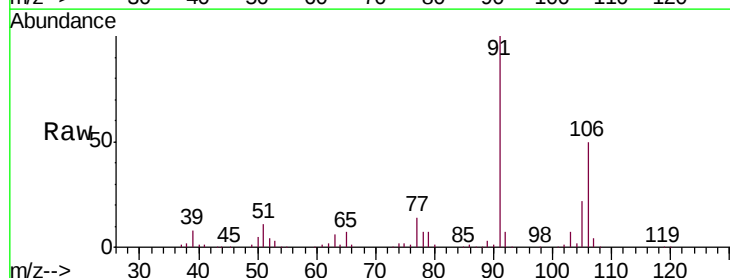
Acq: 25 Jul 2019 20:39

Tgt Ion: 106 Resp: 89544

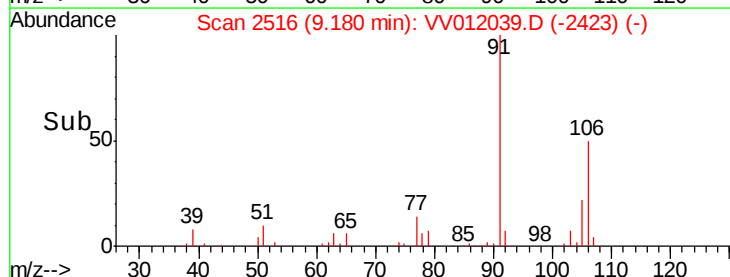
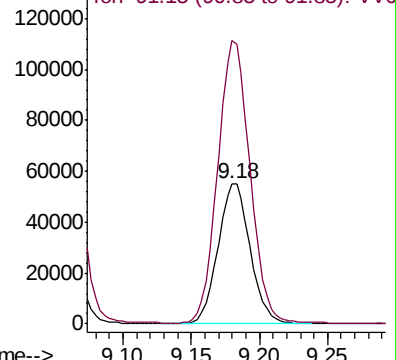
Ion Ratio Lower Upper

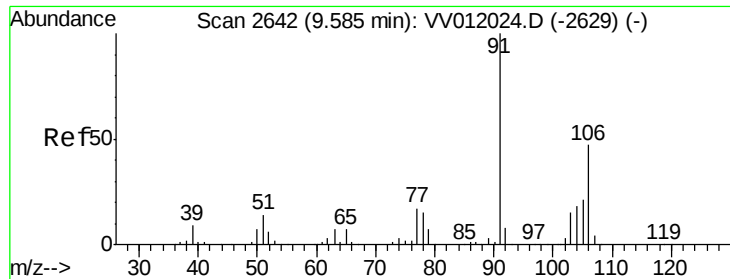
106 100

91 201.8 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV012039.D (-2423) (-)





#54

o-xylene

Concen: 5.479 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

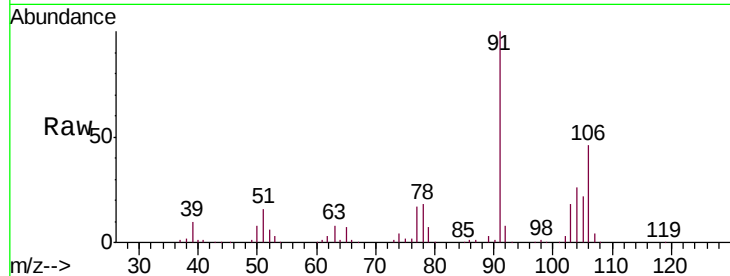
VSTD00550

Tgt Ion:106 Resp: 85180

Ion Ratio Lower Upper

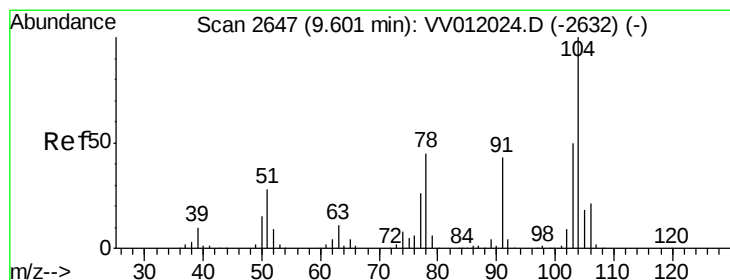
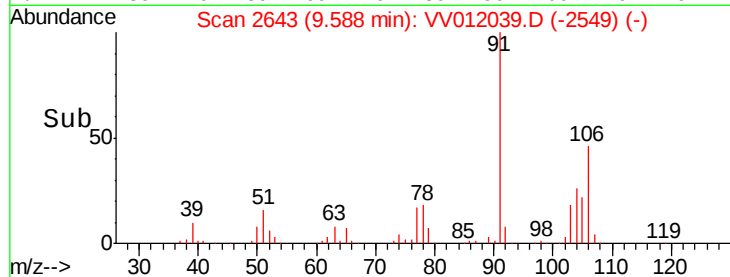
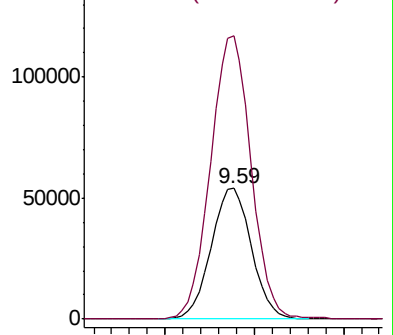
106 100

91 216.8 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.643 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012039.D

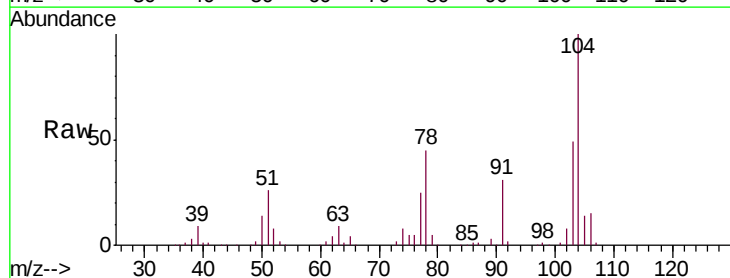
Acq: 25 Jul 2019 20:39

Tgt Ion:104 Resp: 147827

Ion Ratio Lower Upper

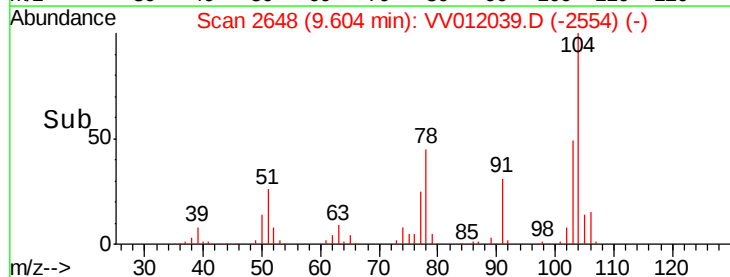
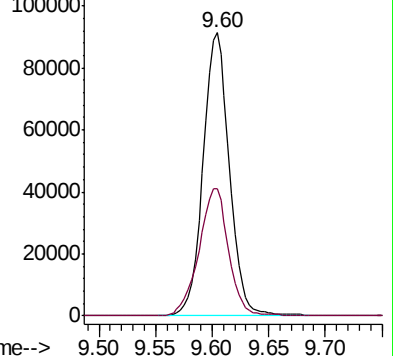
104 100

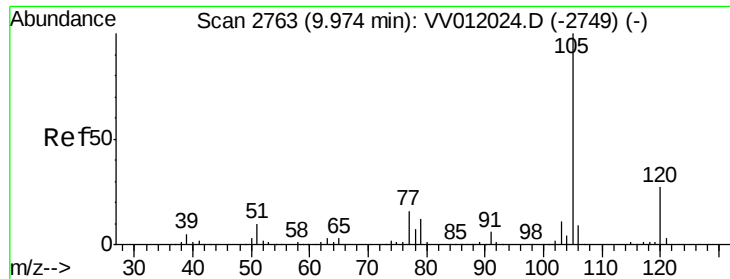
78 44.9 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.452 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

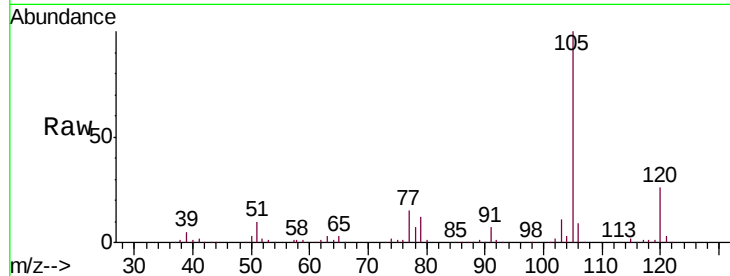
Tgt Ion: 105 Resp: 236674

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

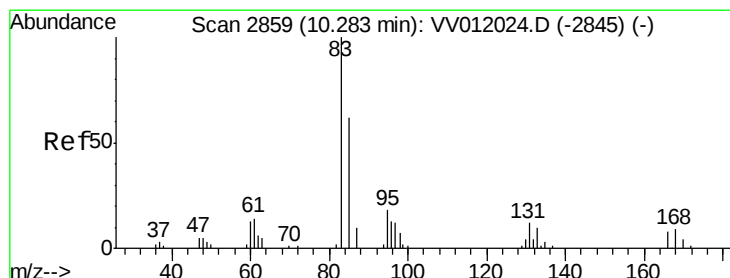
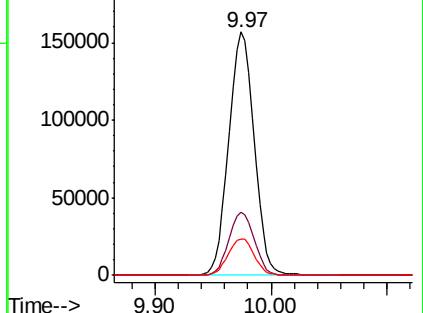
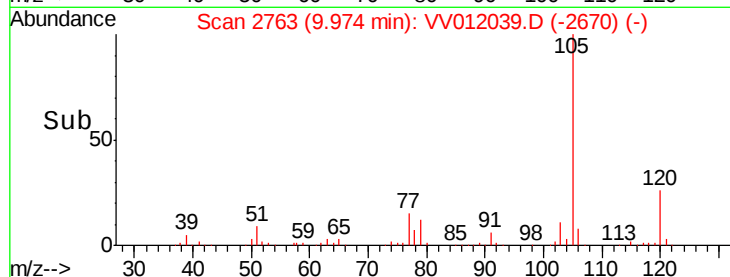
77 15.6 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.609 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

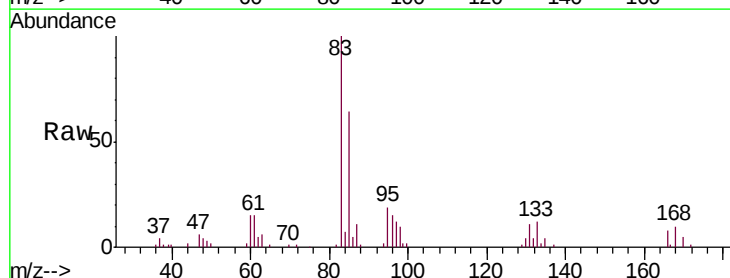
Tgt Ion: 83 Resp: 35484

Ion Ratio Lower Upper

83 100

85 63.8 46.3 85.9

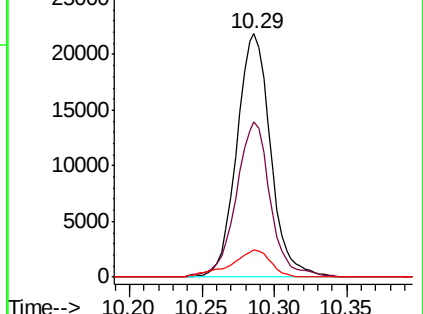
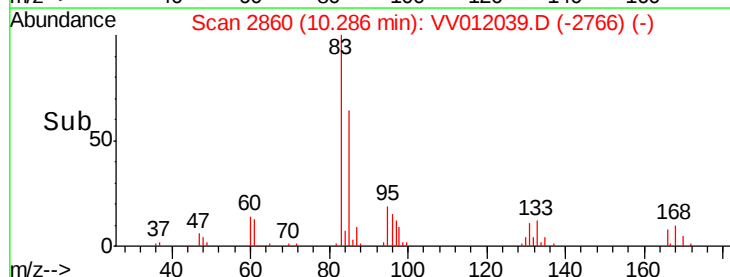
131 11.1 8.9 13.3

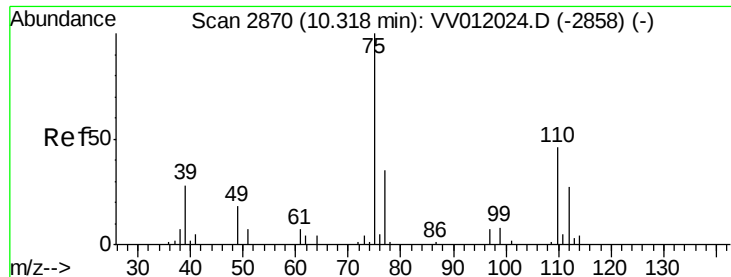


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

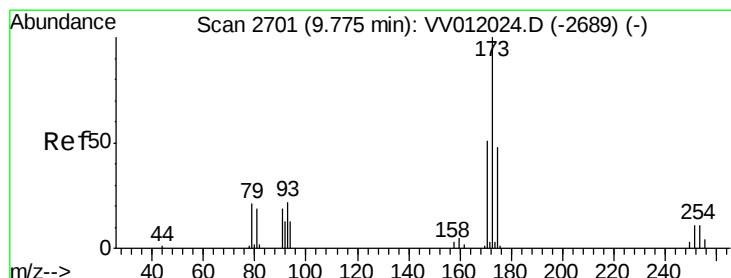
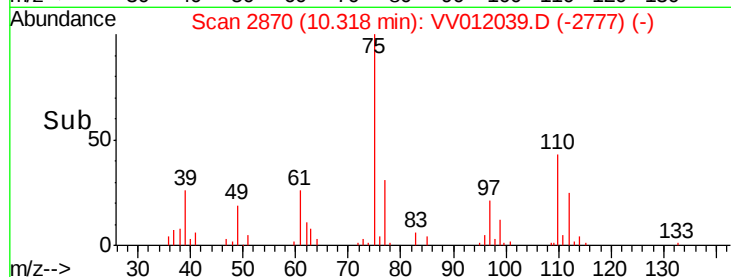
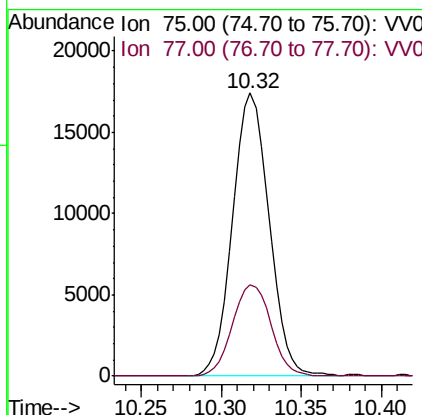
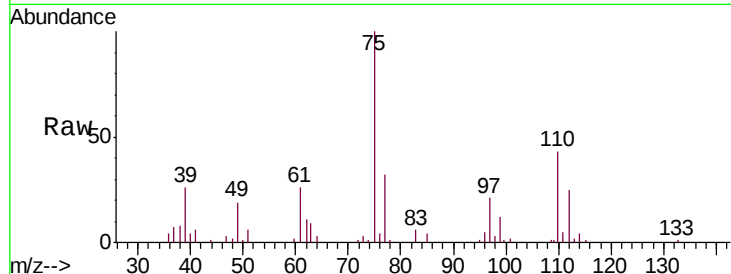




#59
1,2,3-Trichloropropane
Concen: 5.501 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

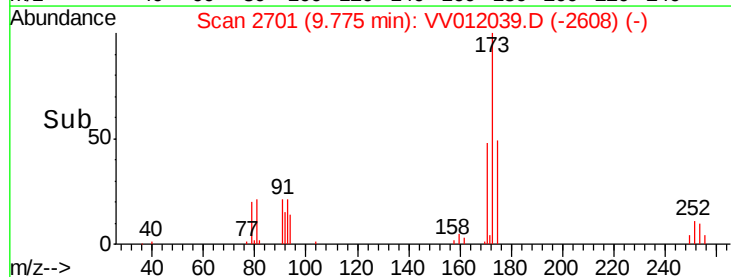
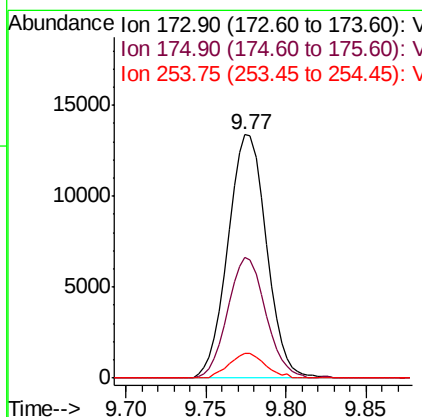
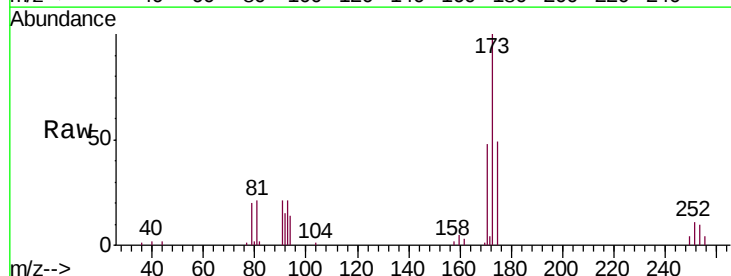
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

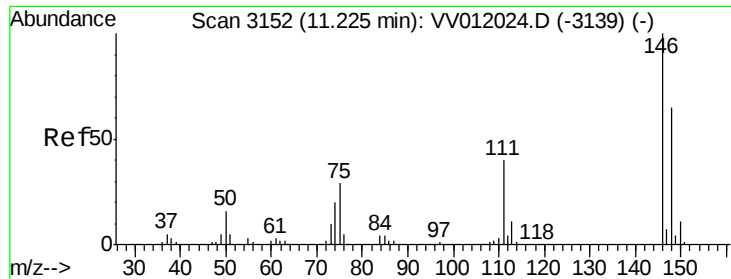
Tgt Ion: 75 Resp: 27119
Ion Ratio Lower Upper
75 100
77 33.8 26.2 39.2



#61
Bromoform
Concen: 5.753 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VV012039.D
Acq: 25 Jul 2019 20:39

Tgt Ion: 173 Resp: 21998
Ion Ratio Lower Upper
173 100
175 48.8 39.6 59.4
254 9.4 7.9 11.9

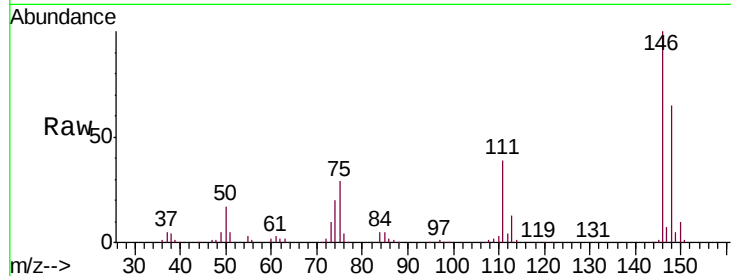




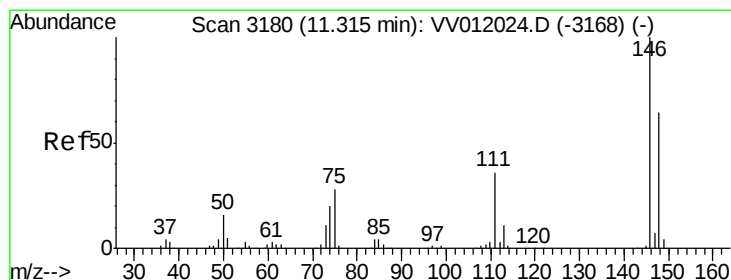
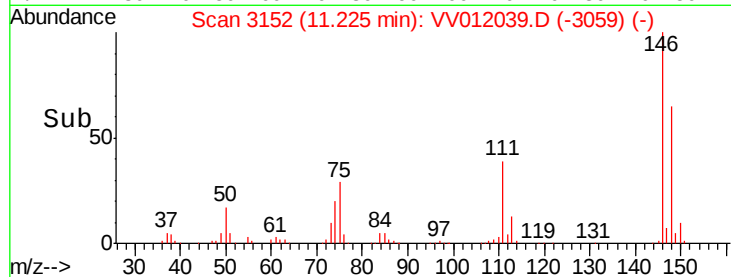
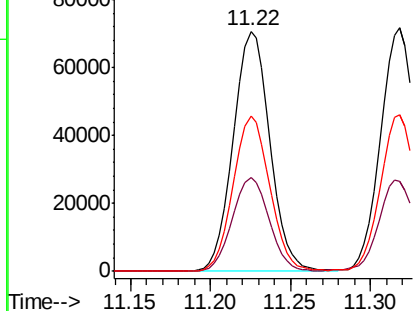
#62
 1,3-Dichlorobenzene
 Concen: 5.406 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:146 Resp: 110137
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.1 50.3
 148 64.7 44.5 82.7

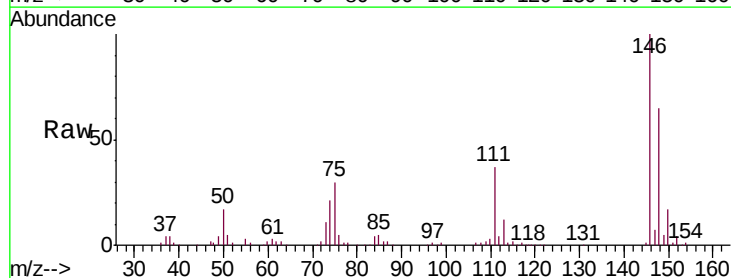


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

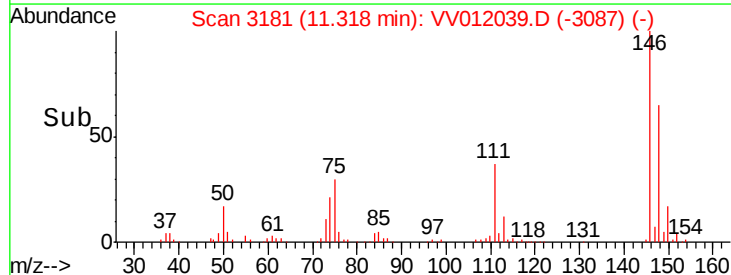
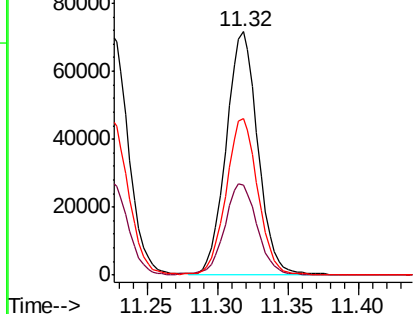


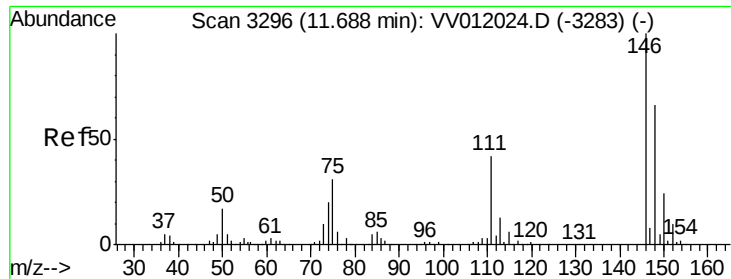
#63
 1,4-Dichlorobenzene
 Concen: 5.351 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Tgt Ion:146 Resp: 112230
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.0 48.2
 148 64.5 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.495 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

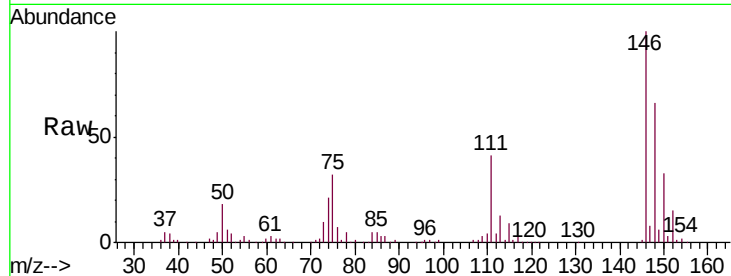
Tgt Ion:146 Resp: 103075

Ion Ratio Lower Upper

146 100

111 40.8 32.5 48.7

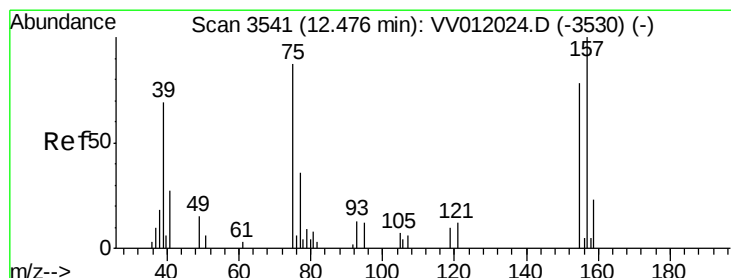
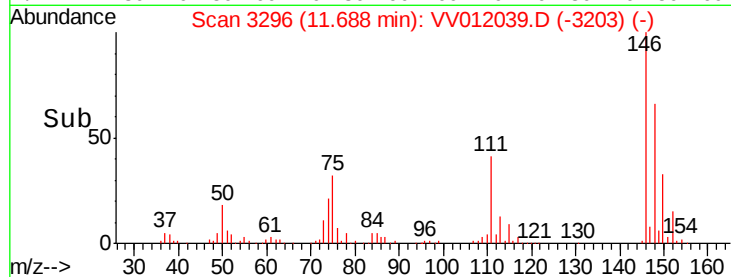
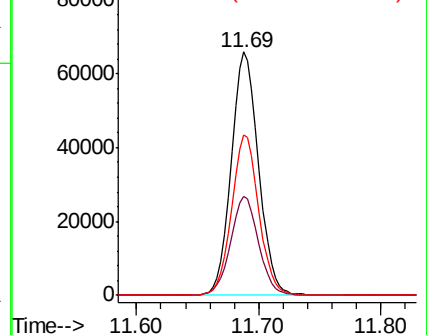
148 65.8 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.412 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

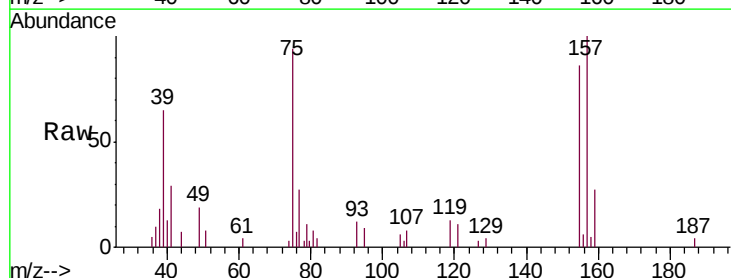
Tgt Ion: 75 Resp: 5897

Ion Ratio Lower Upper

75 100

155 91.7 69.5 104.3

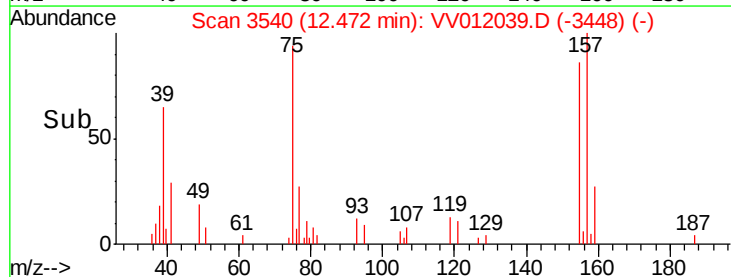
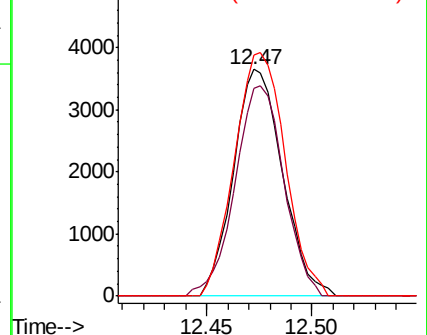
157 106.5 96.2 144.2

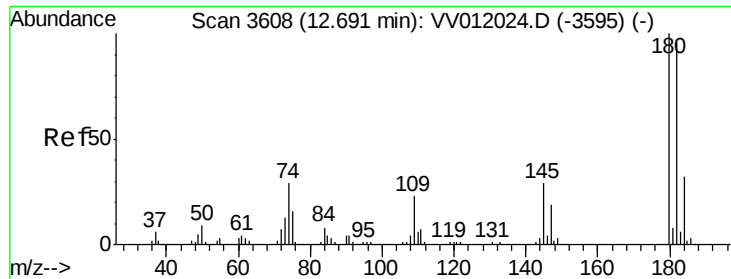


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

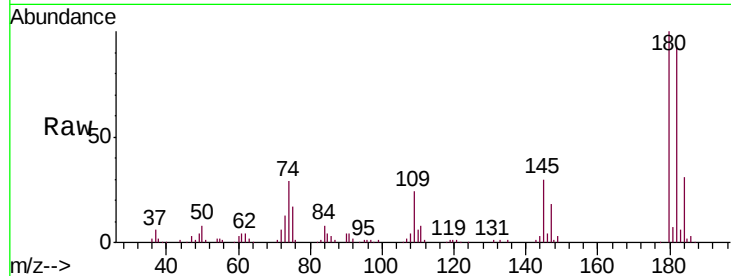




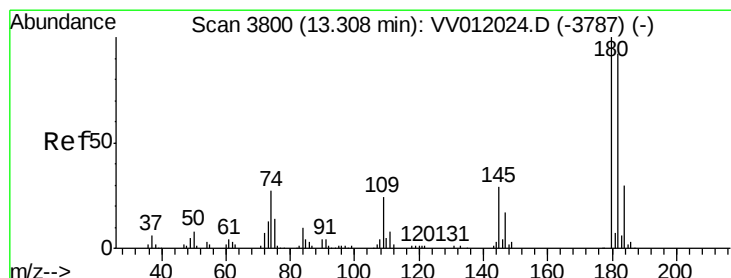
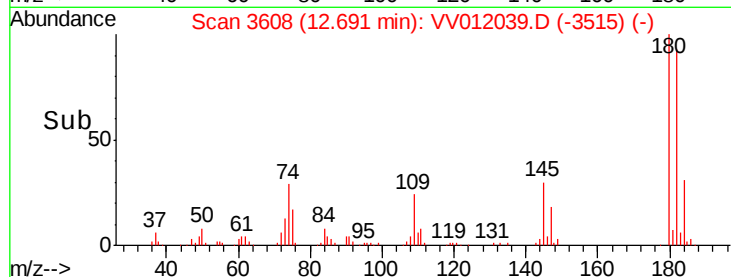
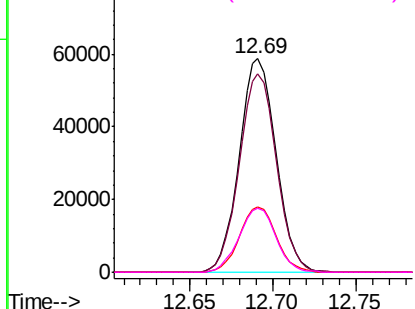
#67
 1,3,5-Trichlorobenzene
 Concen: 5.328 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 90782
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.4 116.0
 184 30.5 25.2 37.8
 145 30.2 24.4 36.6

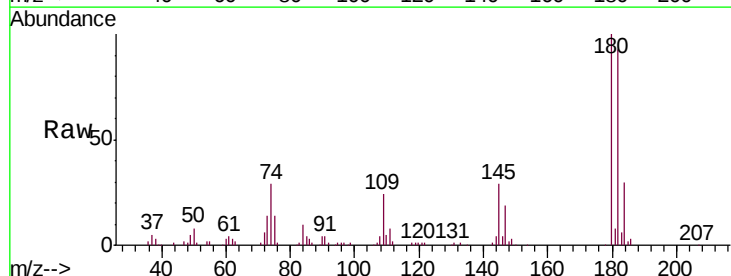


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

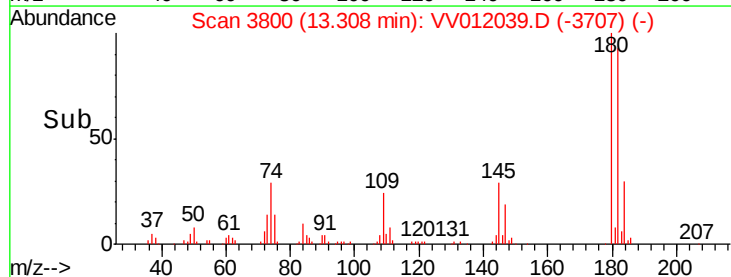
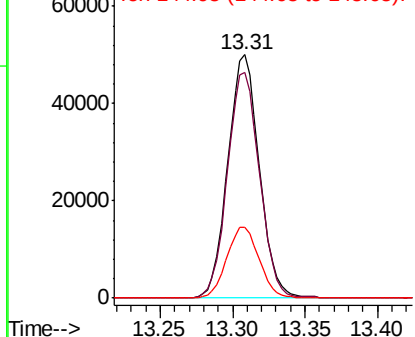


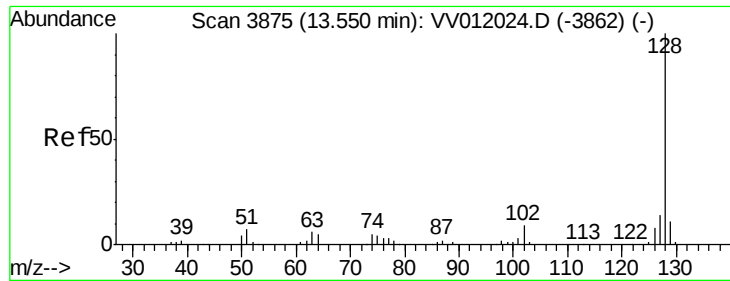
#68
 1,2,4-trichlorobenzene
 Concen: 5.432 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012039.D
 Acq: 25 Jul 2019 20:39

Tgt Ion:180 Resp: 75163
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.8 113.8
 145 29.9 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.181 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

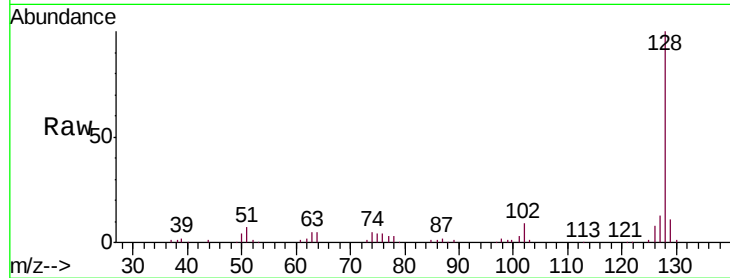
Tgt Ion:128 Resp: 108116

Ion Ratio Lower Upper

128 100

129 10.5 8.2 12.2

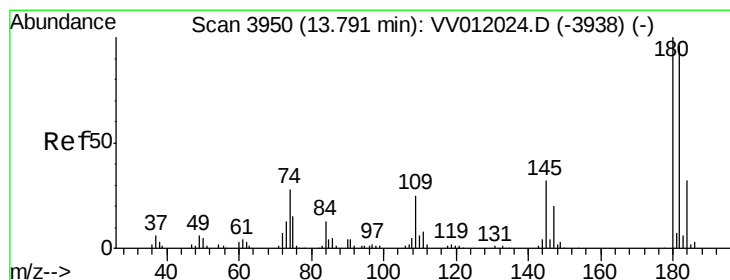
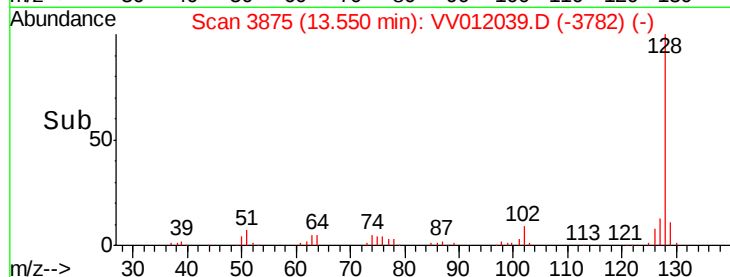
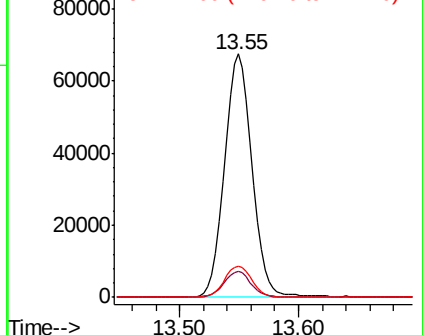
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.295 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012039.D

Acq: 25 Jul 2019 20:39

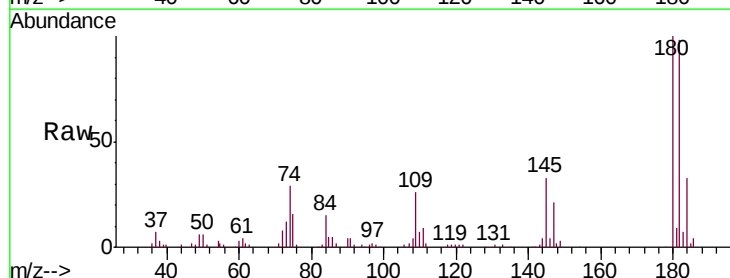
Tgt Ion:180 Resp: 66468

Ion Ratio Lower Upper

180 100

182 97.6 75.5 113.3

145 33.5 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

