

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
 Data File : VV019108.D
 Acq On : 26 Oct 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Oct 27 07:09:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 26 10:41:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	316815	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	313753	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167346	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109212	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.58	69	86962	37.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.08%
11) 1,1-Dichloroethene-d2	2.12	63	220678	40.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.88%
21) 2-Butanone-d5	3.90	46	163156	84.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.29%
24) Chloroform-d	4.37	84	220564	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
26) 1,2-Dichloroethane-d4	5.05	65	148986	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
32) Benzene-d6	5.07	84	408267	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.08%
36) 1,2-Dichloropropane-d6	6.09	67	130347	41.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.86%
41) Toluene-d8	7.33	98	370719	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%
43) trans-1,3-Dichloropropene-	7.64	79	68230	42.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.66%
47) 2-Hexanone-d5	8.10	63	117637	87.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.03%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	178049	43.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	151280	43.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	124253	50.351	ug/L 99
3) Chloromethane	1.25	50	142406	46.401	ug/L 100
5) Vinyl chloride	1.32	62	139468	46.130	ug/L 100
6) Bromomethane	1.53	94	81499	47.111	ug/L 100
8) Chloroethane	1.60	64	81064	42.756	ug/L 100
9) Trichlorofluoromethane	1.77	101	197491	49.661	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104687	49.499	ug/L 98
12) 1,1-Dichloroethene	2.13	96	98579	46.587	ug/L 86
13) Acetone	2.19	43	156526	119.311	ug/L 99
14) Carbon disulfide	2.31	76	327243	46.906	ug/L 100
15) Methyl Acetate	2.44	43	124198	45.050	ug/L 100
16) Methylene chloride	2.52	84	114958	46.611	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	108158	48.369	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	346237	47.749	ug/L 99
19) 1,1-Dichloroethane	3.21	63	215402	47.711	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	114254	47.783	ug/L 95
22) 2-Butanone	3.99	43	184115	102.374	ug/L 96

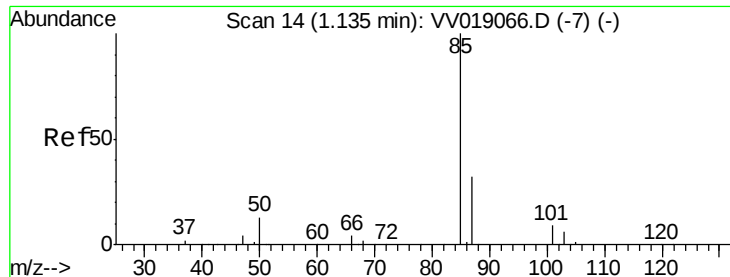
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102620\
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 Quant Title : VOC Analysis
 QLast Update : Mon Oct 26 10:41:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	59488	48.873	uq/L	97
25) Chloroform	4.40	83	213761	48.063	uq/L	99
27) 1,2-Dichloroethane	5.15	62	178705	48.416	uq/L	100
29) Cyclohexane	4.70	56	189283	50.401	uq/L	97
30) 1,1,1-Trichloroethane	4.63	97	192705	49.330	uq/L	99
31) Carbon tetrachloride	4.85	117	171659	50.406	uq/L	100
33) Benzene	5.12	78	455422	47.415	uq/L	100
34) Trichloroethene	5.94	95	117361	48.353	uq/L	98
35) Methylcyclohexane	6.15	83	170069	51.212	uq/L	99
37) 1,2-Dichloropropane	6.19	63	121197	45.834	uq/L	99
38) Bromodichloromethane	6.53	83	160449	47.956	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	187044	47.863	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	330439	92.627	uq/L	99
42) Toluene	7.41	91	488339	49.533	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	191224	49.323	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	110641	47.375	uq/L	98
46) Tetrachloroethene	7.99	164	94583	50.781	uq/L	99
48) 2-Hexanone	8.15	43	277620	100.850	uq/L	99
49) Dibromochloromethane	8.26	129	126629	49.605	uq/L	95
50) 1,2-Dibromoethane	8.37	107	115226	47.544	uq/L	98
51) Chlorobenzene	8.90	112	308809	48.837	uq/L	99
52) Ethylbenzene	9.03	91	537441	50.412	uq/L	99
53) m,p-Xylene	9.16	106	200914	51.480	uq/L	97
54) o-xylene	9.56	106	190593	50.720	uq/L	98
55) Styrene	9.58	104	347023	52.061	uq/L	100
56) Isopropylbenzene	9.95	105	519924	52.620	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	172205	44.812	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	139347	45.069	uq/L	99
61) Bromoform	9.75	173	93739	49.739	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	250459	49.873	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	259467	49.445	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	248282	49.034	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	41625	46.531	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	173741	50.665	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	161272	49.874	uq/L	98
69) Naphthalene	13.52	128	489898	49.171	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	162485	49.594	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.351 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

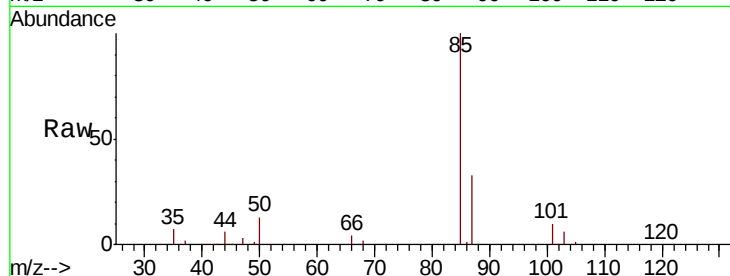
VSTD05073

Tot Ion: 85 Resp: 124253

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019108.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019108.D (-1) (-)

1.14

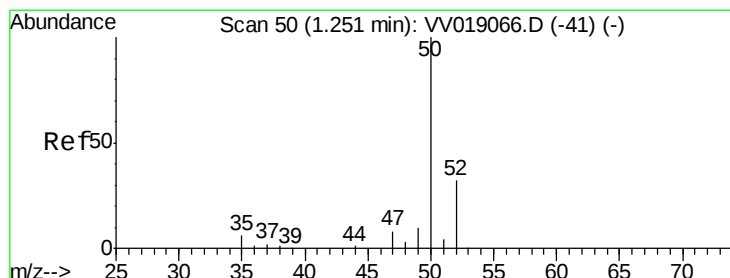
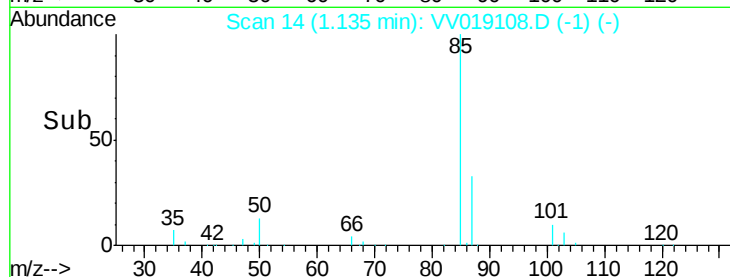
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.401 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019108.D

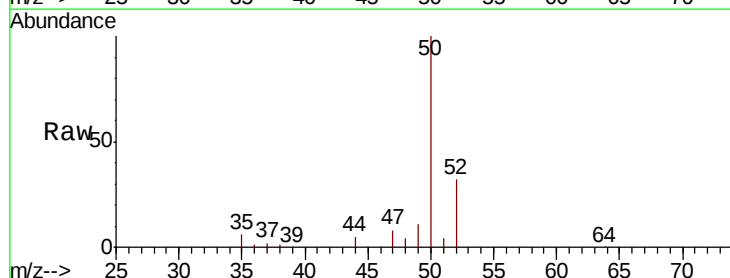
Acq: 26 Oct 2020 09:57

Tgt Ion: 50 Resp: 142406

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019108.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019108.D (-1) (-)

1.25

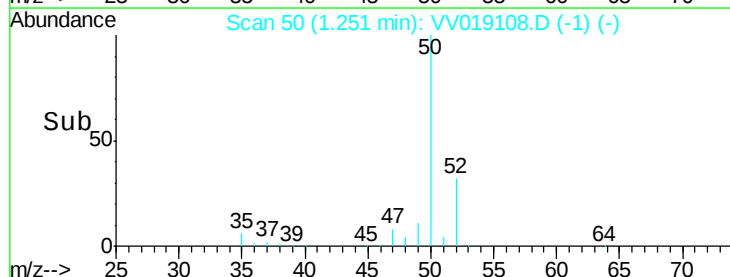
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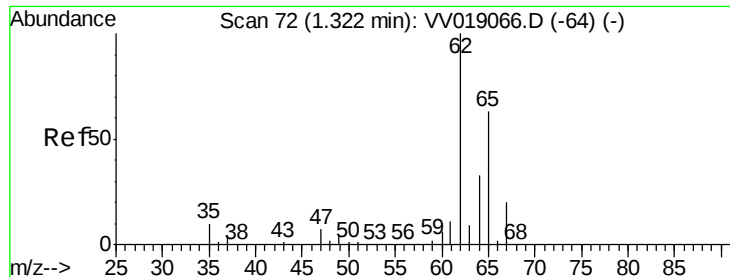
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.130 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

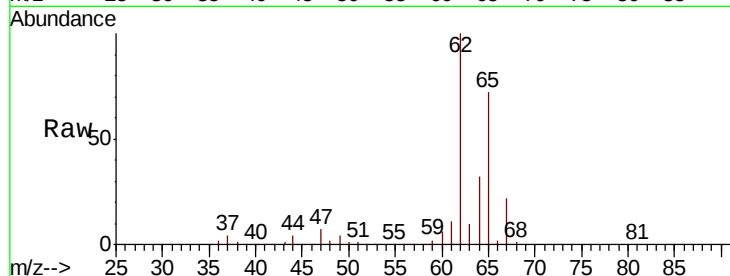
VSTD05073

Tot Ion: 62 Resp: 139468

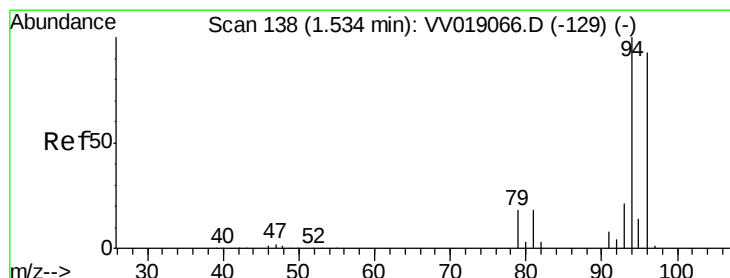
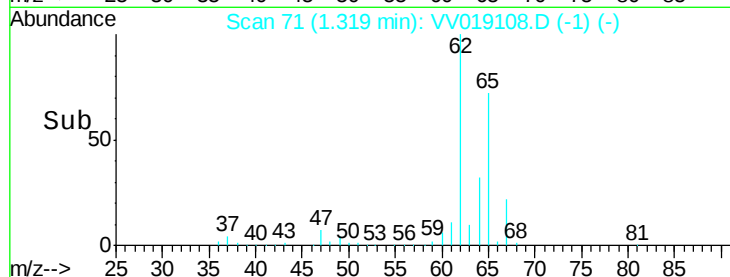
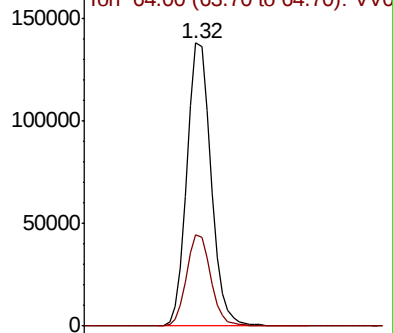
Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV019108.D (-1) (-)



#6

Bromomethane

Concen: 47.111 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019108.D

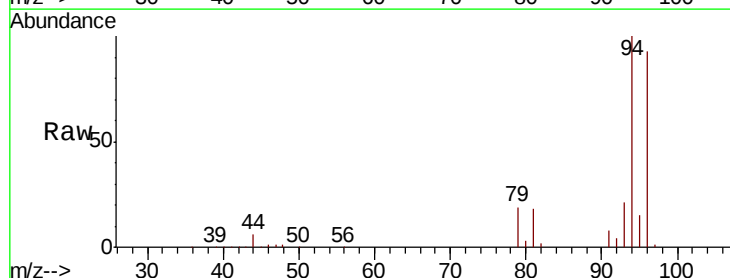
Acq: 26 Oct 2020 09:57

Tgt Ion: 94 Resp: 81499

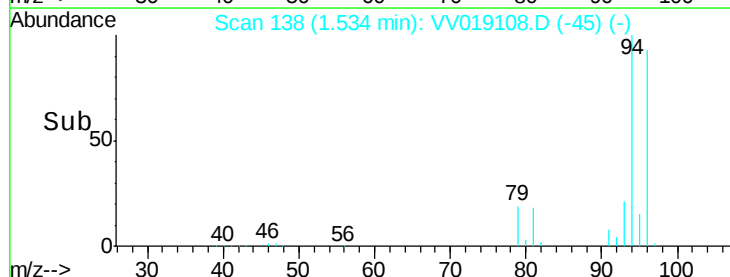
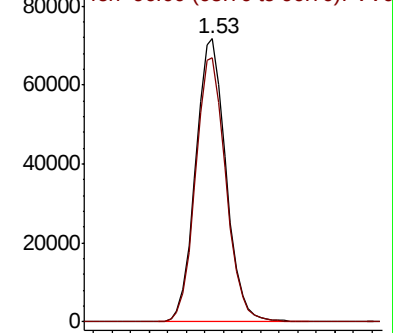
Ion Ratio Lower Upper

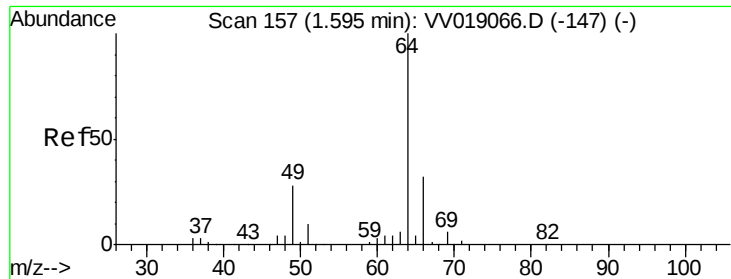
94 100

96 93.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV019108.D (-45) (-)

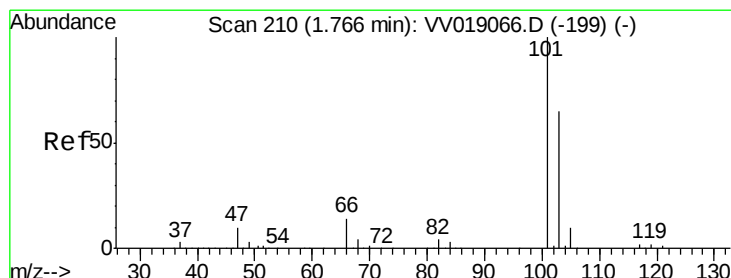
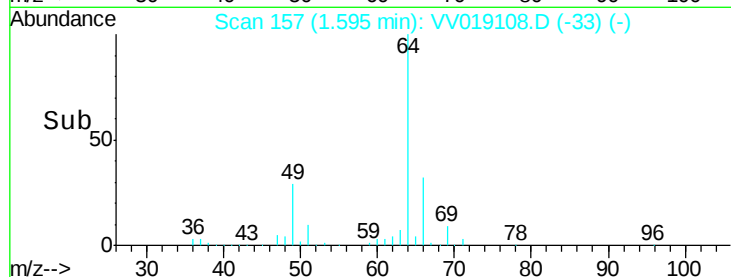
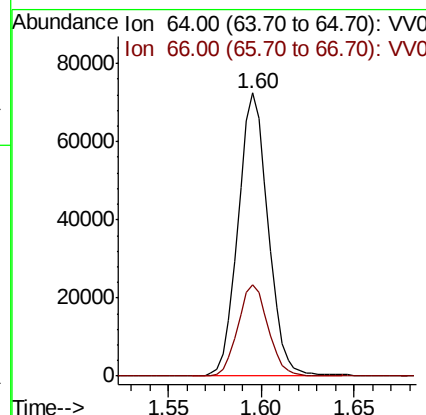
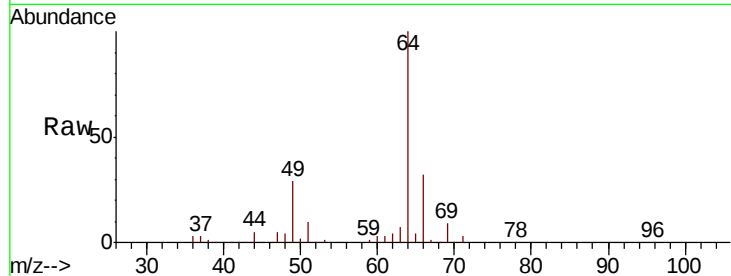




#8
 Chloroethane
 Concen: 42.756 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

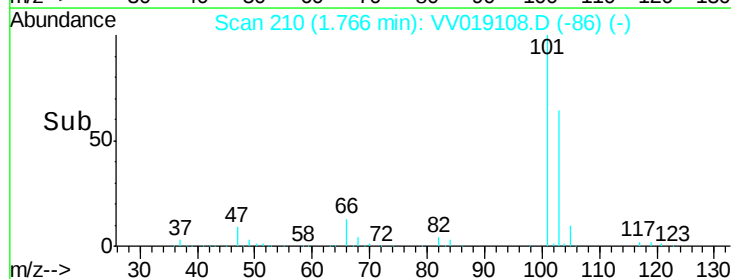
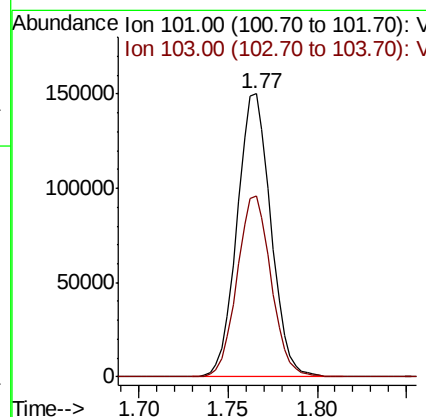
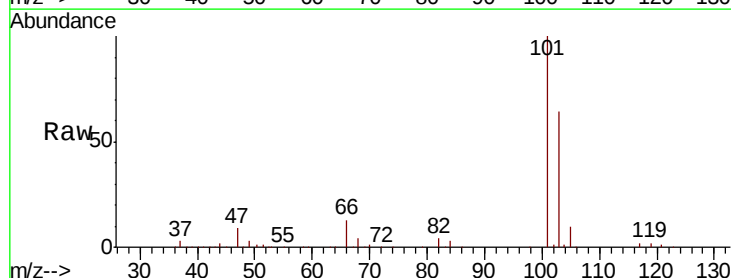
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

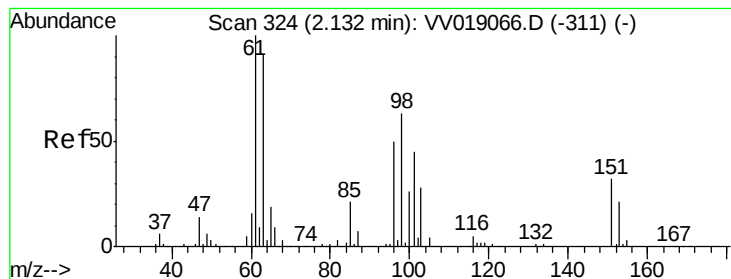
Tot Ion: 64 Resp: 81064
 Ion Ratio Lower Upper
 64 100
 66 32.4 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 49.661 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

Tgt Ion: 101 Resp: 197491
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.7 77.5





#10

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

Concen: 49.499 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

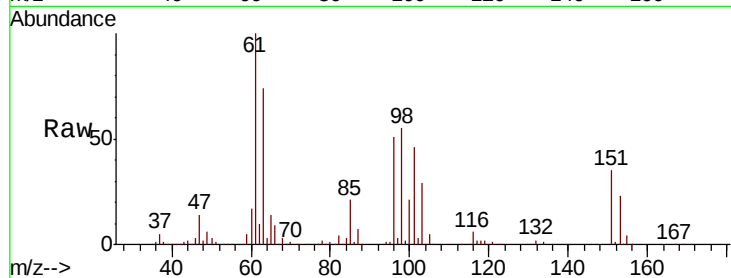
Tot Ion:101 Resp: 104687

Ion Ratio Lower Upper

101 100

85 46.0 36.9 55.3

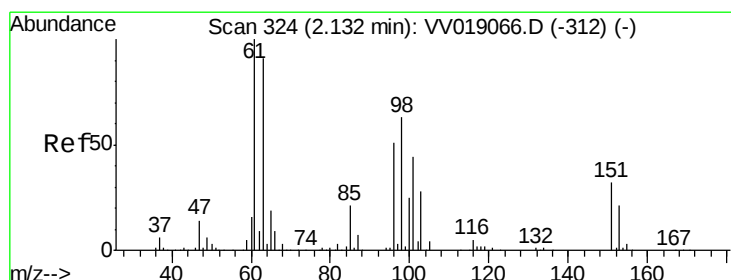
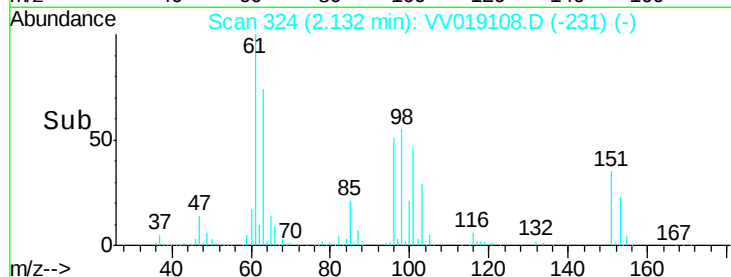
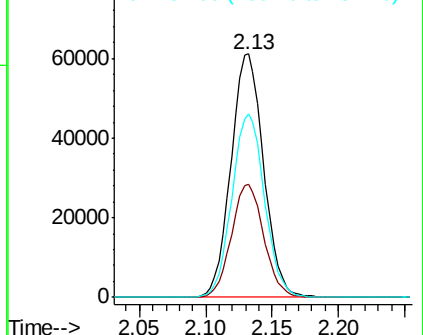
151 75.2 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019108.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019108.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019108.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 46.587 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

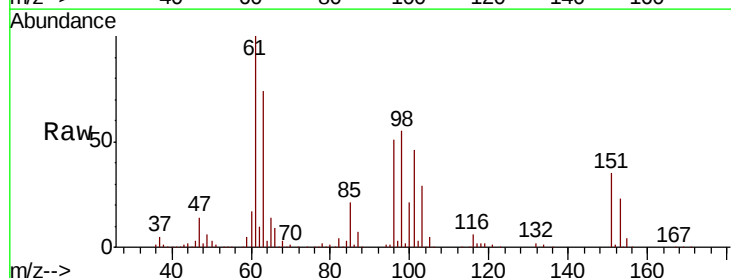
Tgt Ion: 96 Resp: 98579

Ion Ratio Lower Upper

96 100

61 194.8 138.7 257.7

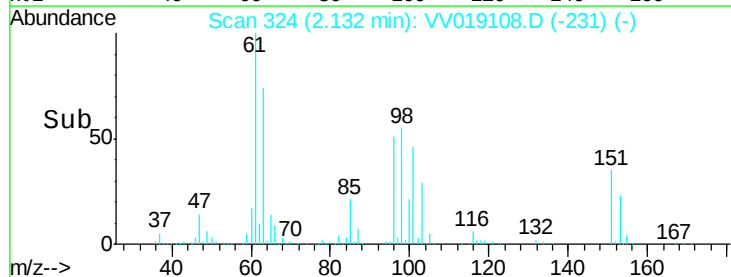
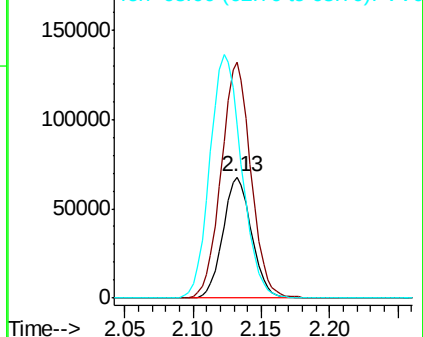
63 143.4 126.3 234.6

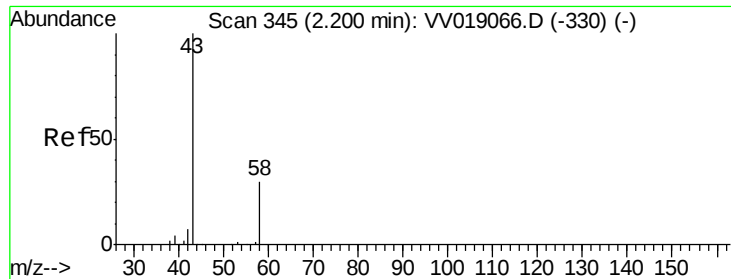


Abundance Ion 96.00 (95.70 to 96.70): VV019108.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019108.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019108.D (-231) (-)





#13

Acetone

Concen: 119.311 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

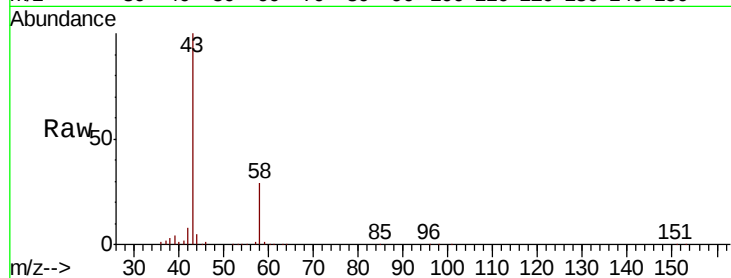
VSTD05073

Tot Ion: 43 Resp: 156526

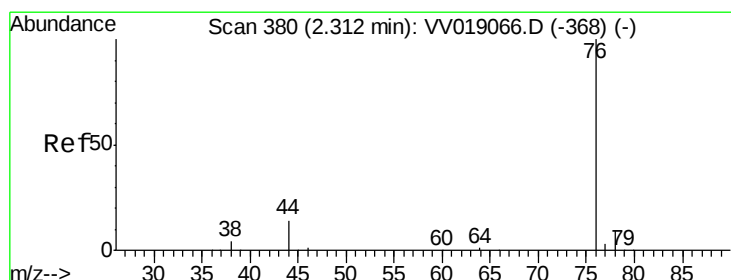
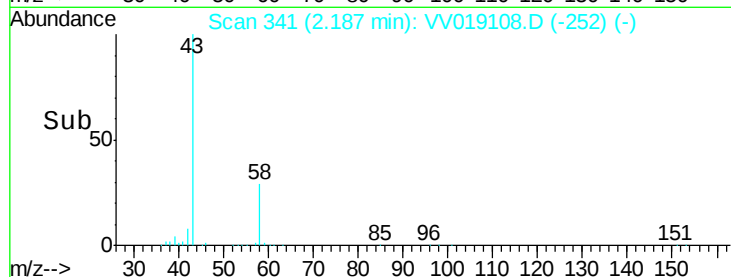
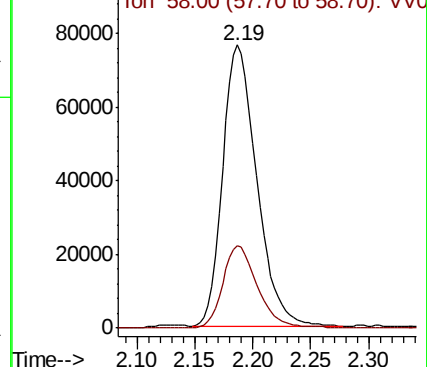
Ion Ratio Lower Upper

43 100

58 29.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019108.D (-252) (-)



#14

Carbon disulfide

Concen: 46.906 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019108.D

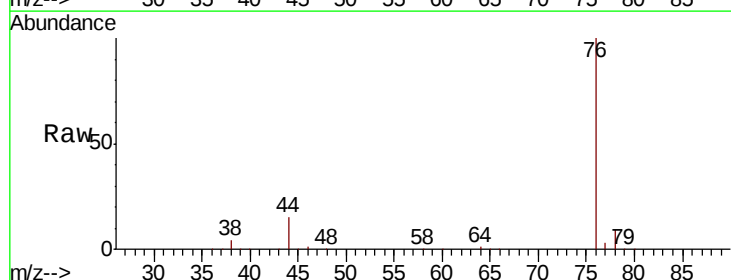
Acq: 26 Oct 2020 09:57

Tgt Ion: 76 Resp: 327243

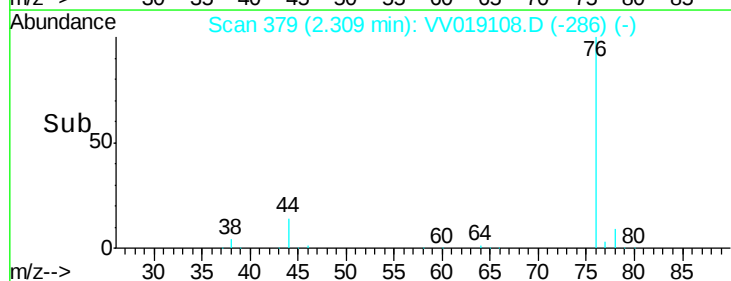
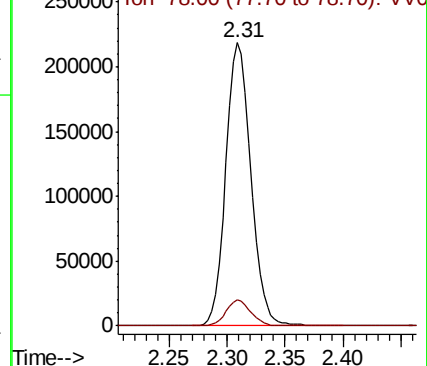
Ion Ratio Lower Upper

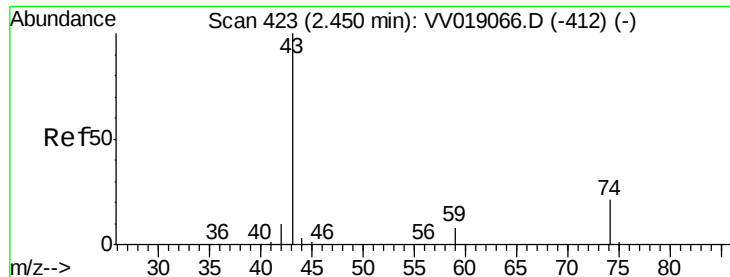
76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019108.D (-286) (-)





#15

Methvl Acetate

Concen: 45.050 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.01 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

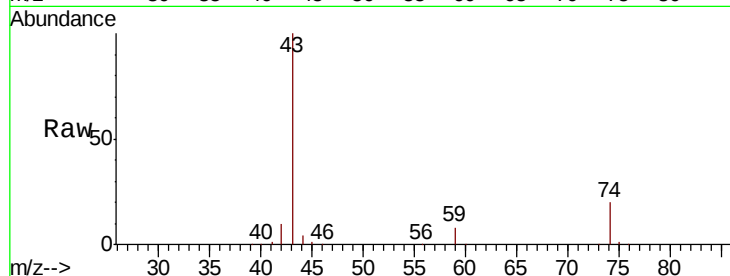
VSTD05073

Tot Ion: 43 Resp: 124198

Ion Ratio Lower Upper

43 100

74 20.5 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.44

80000

60000

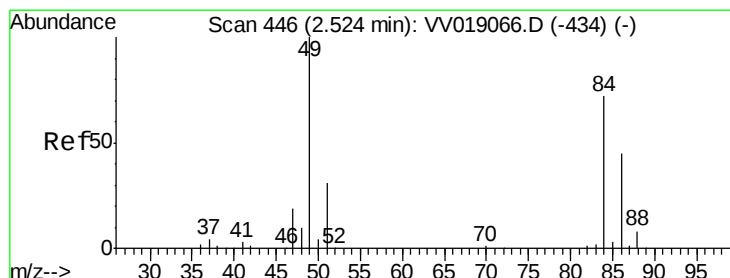
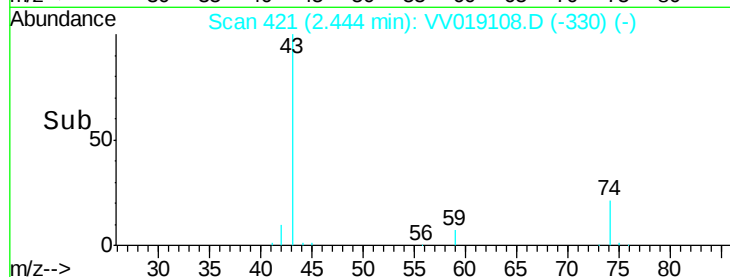
40000

20000

0

Time-->

2.40 2.50



#16

Methylene chloride

Concen: 46.611 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

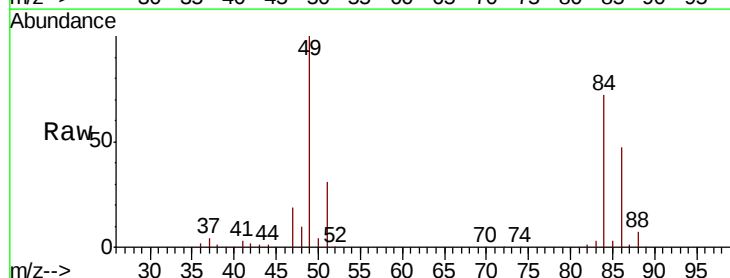
Tgt Ion: 84 Resp: 114958

Ion Ratio Lower Upper

84 100

86 65.4 44.2 82.2

49 139.1 98.0 182.0



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

120000

100000

80000

60000

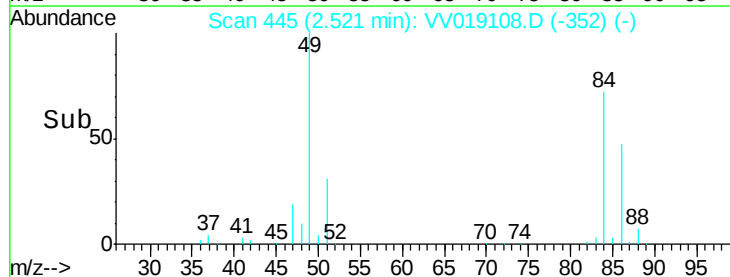
40000

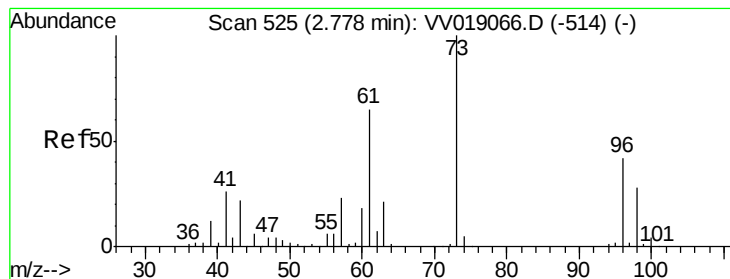
20000

0

Time-->

2.45 2.50 2.55 2.60





#17

trans-1,2-Dichloroethene

Concen: 48.369 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

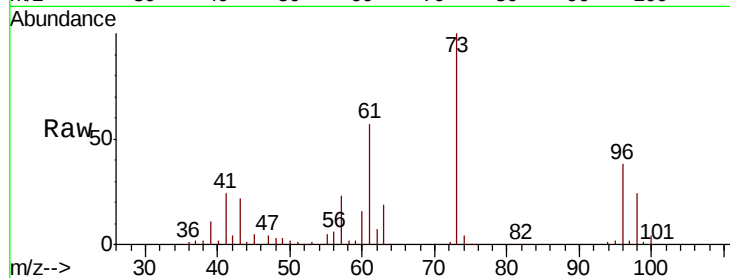
Tot Ion: 96 Resp: 108158

Ion Ratio Lower Upper

96 100

61 151.6 108.6 201.8

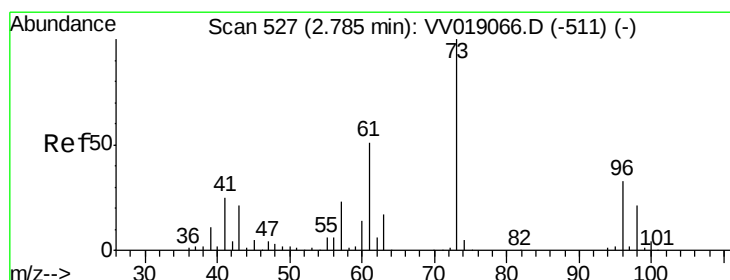
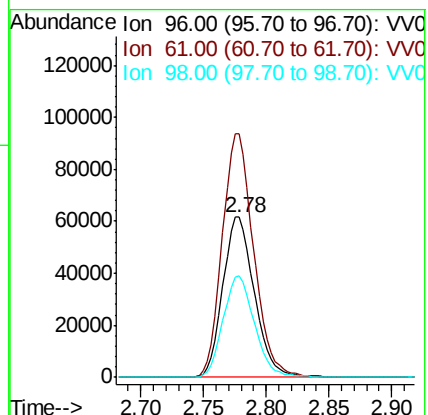
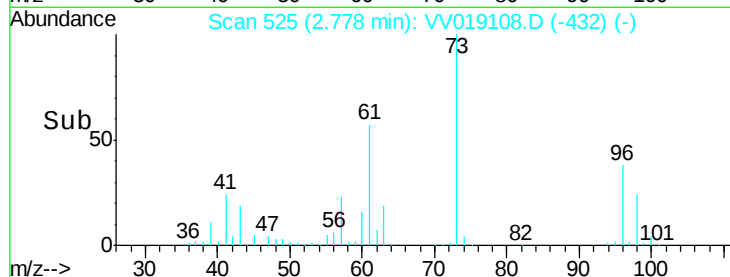
98 63.6 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV019108.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV019108.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV019108.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 47.749 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

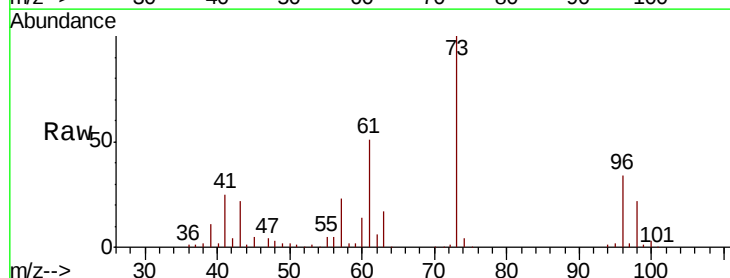
Tgt Ion: 73 Resp: 346237

Ion Ratio Lower Upper

73 100

43 22.0 17.2 25.8

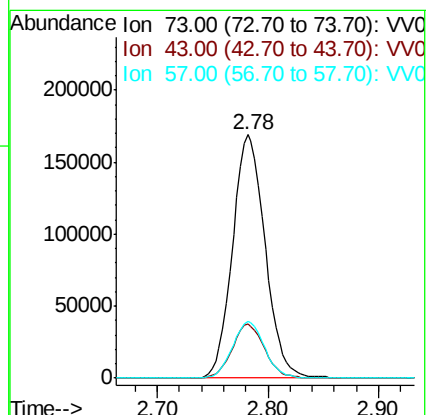
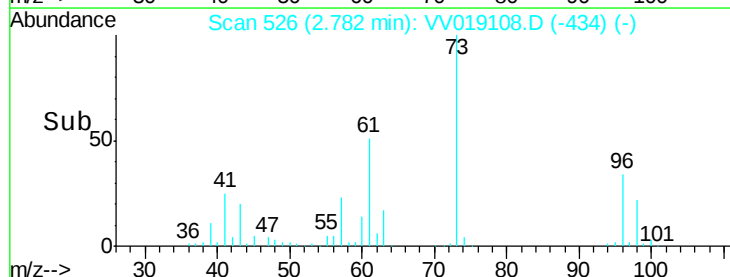
57 22.9 18.5 27.7

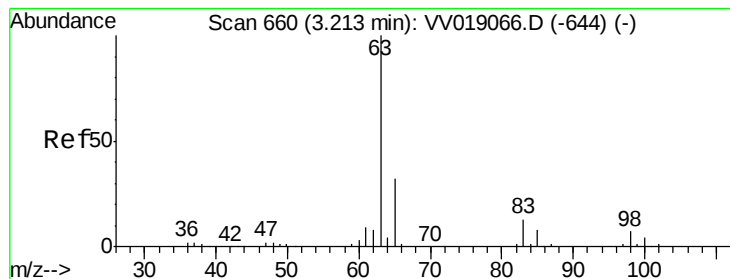


Abundance Ion 73.00 (72.70 to 73.70): VV019108.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV019108.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV019108.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 47.711 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

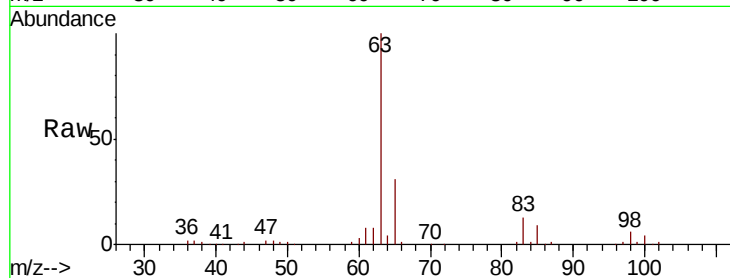
Tot Ion: 63 Resp: 215402

Ion Ratio Lower Upper

63 100

65 31.1 22.7 42.1

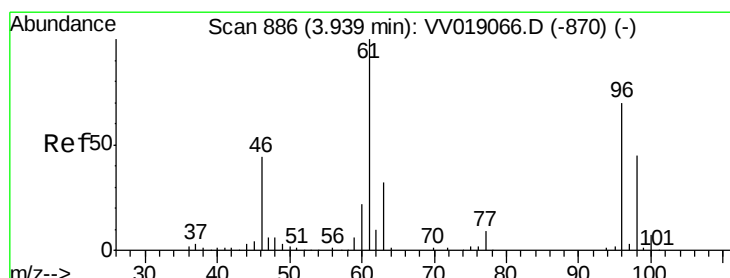
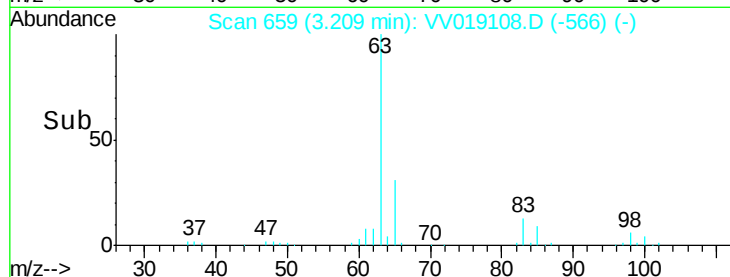
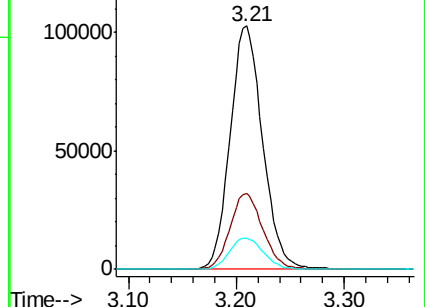
83 12.7 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV019108.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV019108.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV019108.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.783 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

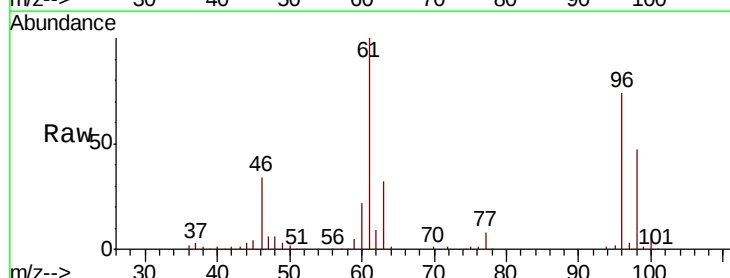
Tgt Ion: 96 Resp: 114254

Ion Ratio Lower Upper

96 100

61 135.8 99.4 184.6

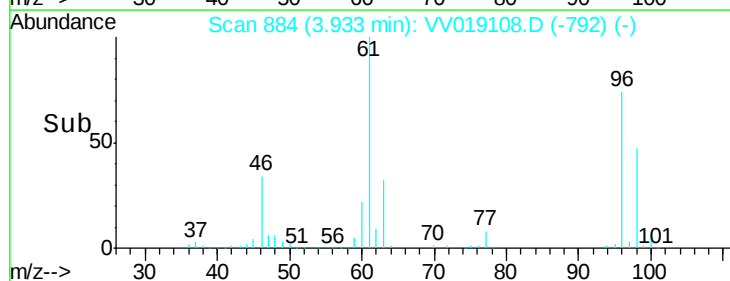
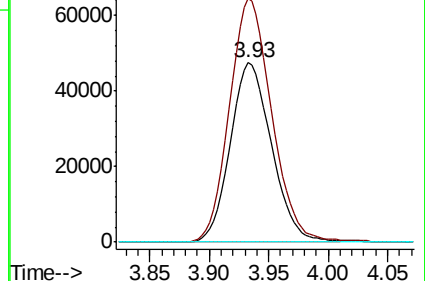
68 0.0 0.0 0.0

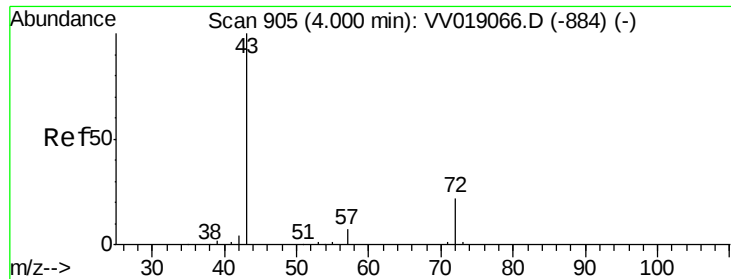


Abundance Ion 96.00 (95.70 to 96.70): VV019108.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV019108.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV019108.D (-792) (-)





#22

2-Butanone

Concen: 102.374 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

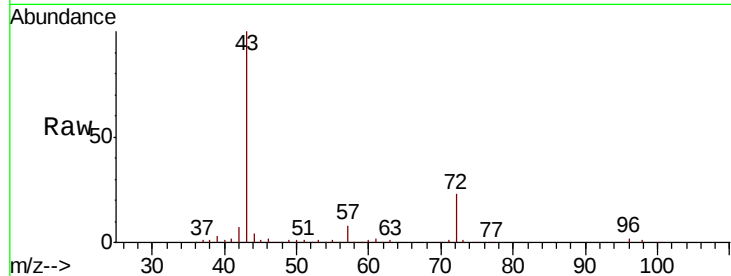
VSTD05073

Tot Ion: 43 Resp: 184115

Ion Ratio Lower Upper

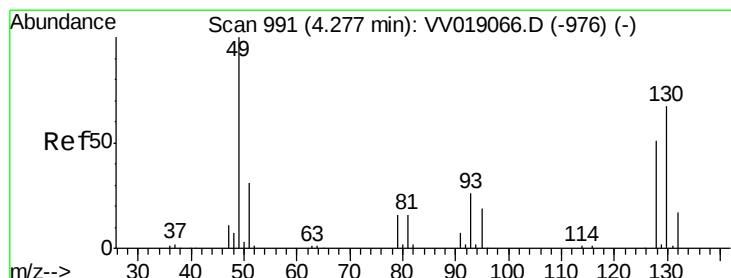
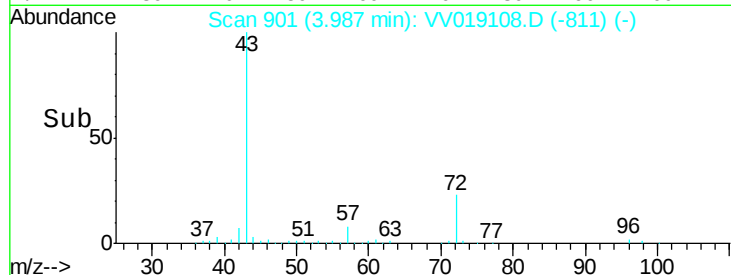
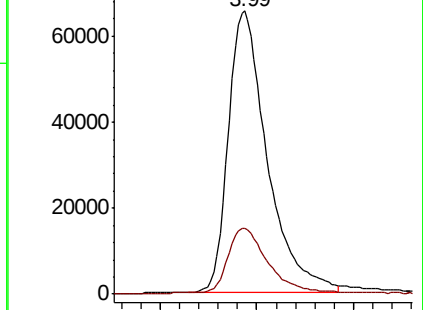
43 100

72 23.4 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019108.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV019108.D (-811) (-)



#23

Bromochloromethane

Concen: 48.873 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Tgt Ion:128 Resp: 59488

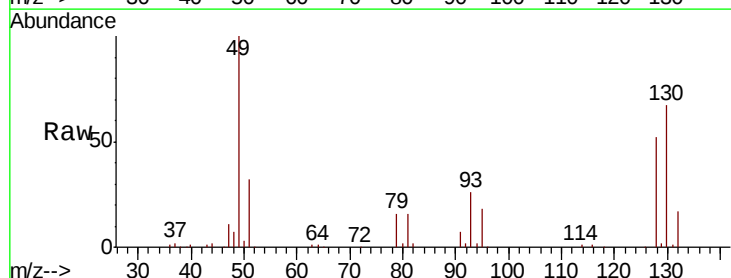
Ion Ratio Lower Upper

128 100

49 191.1 137.1 254.5

130 128.0 92.0 170.9

51 60.8 49.0 73.4

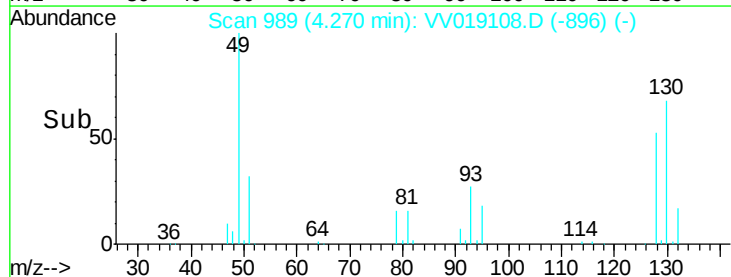
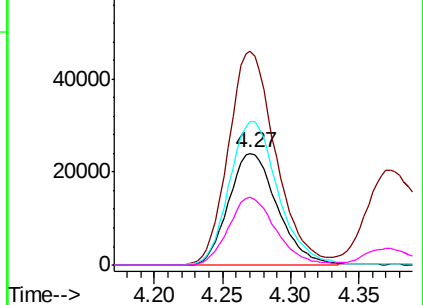


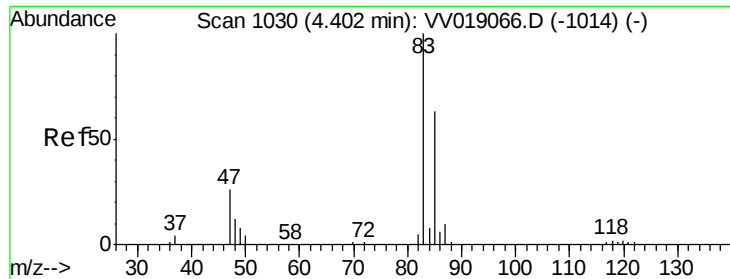
Abundance Ion 128.00 (127.70 to 128.70): VV019108.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV019108.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019108.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019108.D (-896) (-)

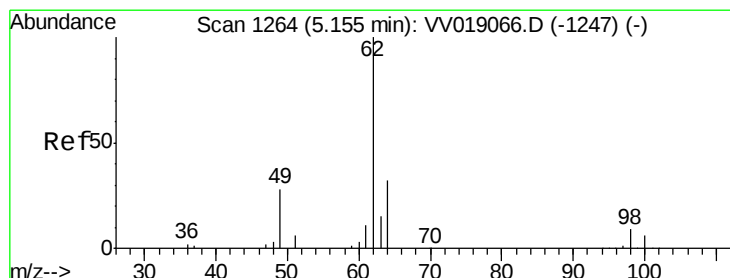
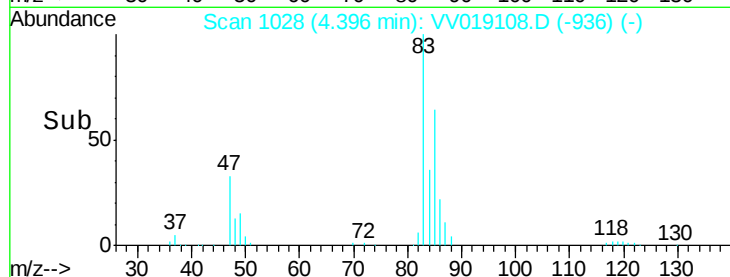
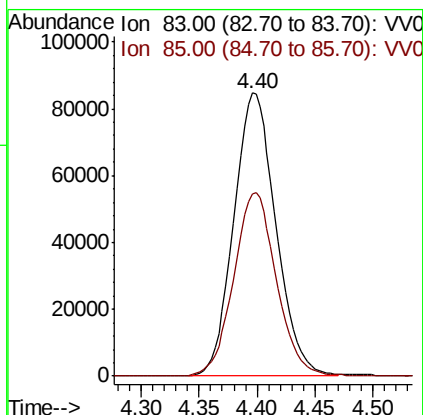
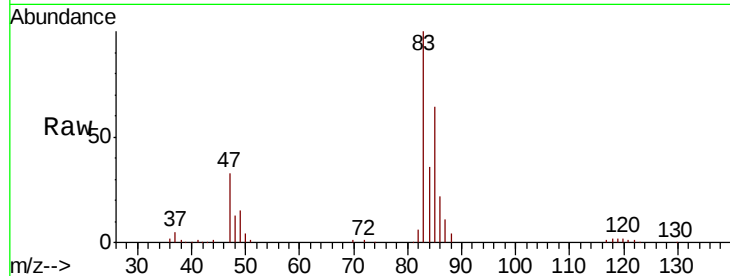




#25
Chloroform
Concen: 48.063 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

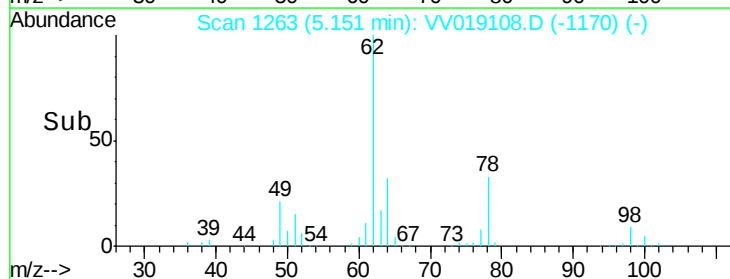
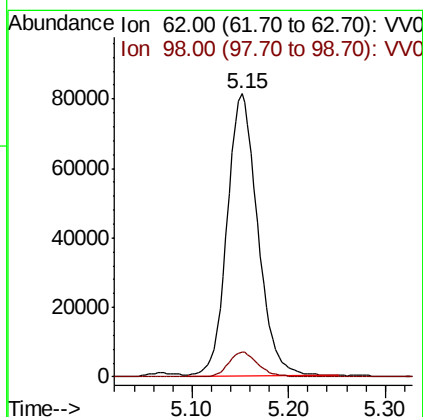
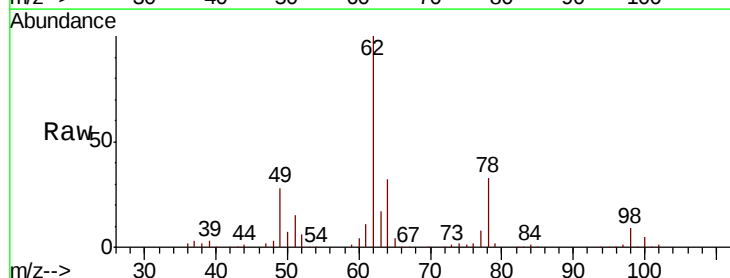
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

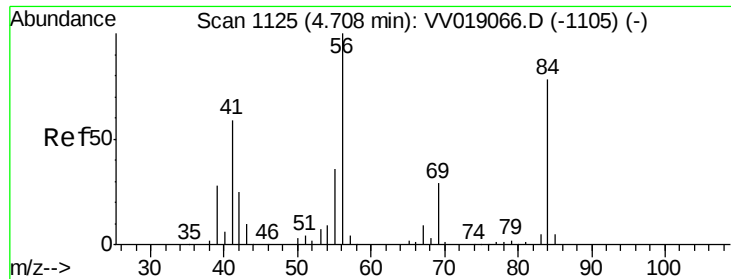
Tot Ion: 83 Resp: 213761
Ion Ratio Lower Upper
83 100
85 64.3 44.5 82.7



#27
1,2-Dichloroethane
Concen: 48.416 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

Tgt Ion: 62 Resp: 178705
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3

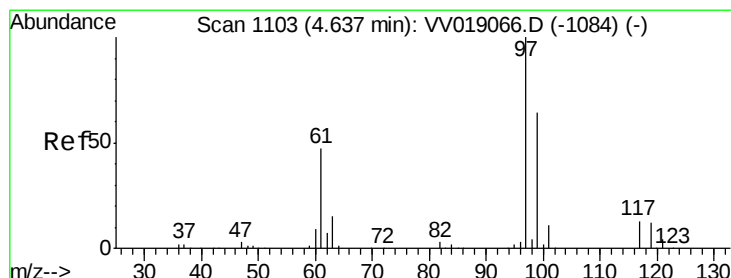
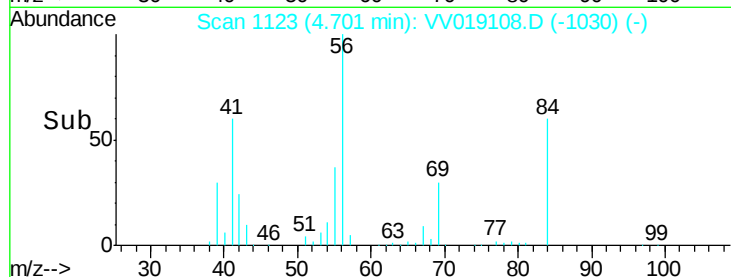
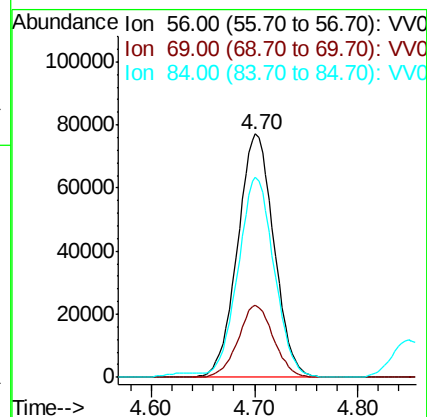
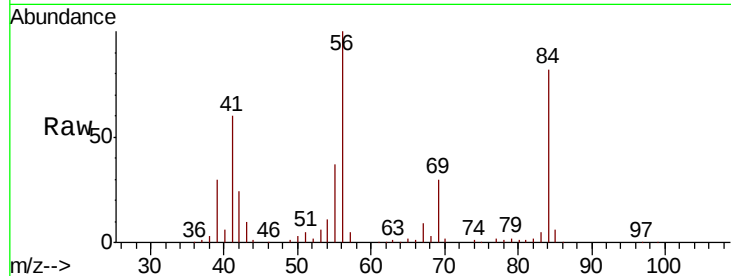




#29
Cyclohexane
Concen: 50.401 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

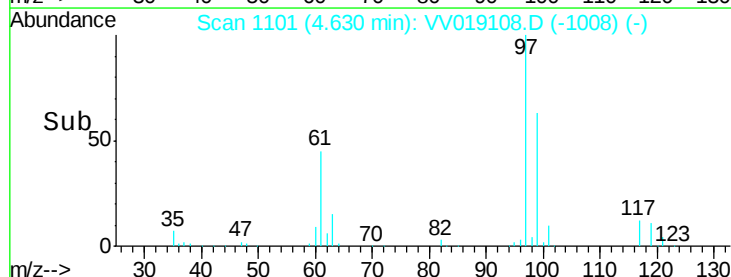
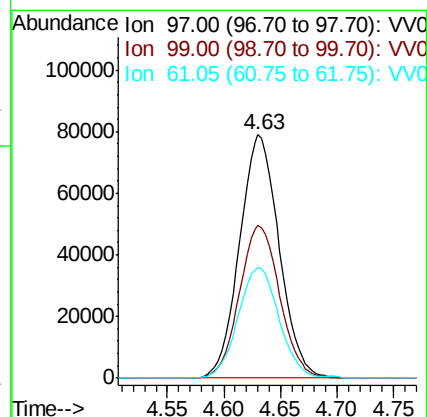
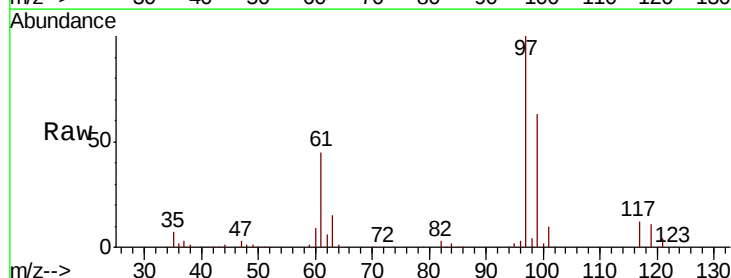
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

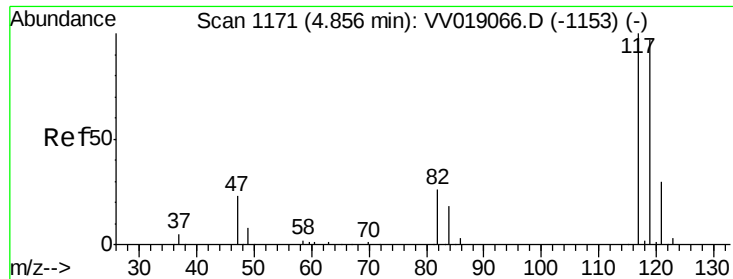
Tot Ion: 56 Resp: 189283
Ion Ratio Lower Upper
56 100
69 29.0 22.7 34.1
84 82.1 63.5 95.3



#30
1,1,1-Trichloroethane
Concen: 49.330 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

Tgt Ion: 97 Resp: 192705
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 46.8 38.1 57.1

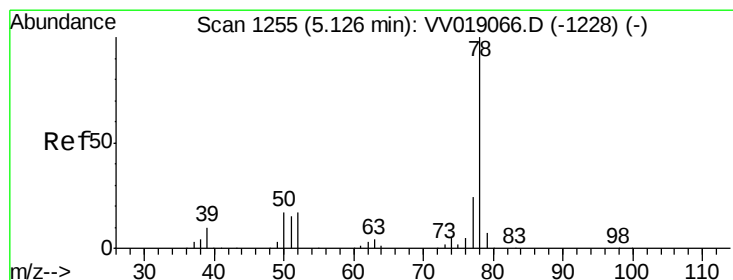
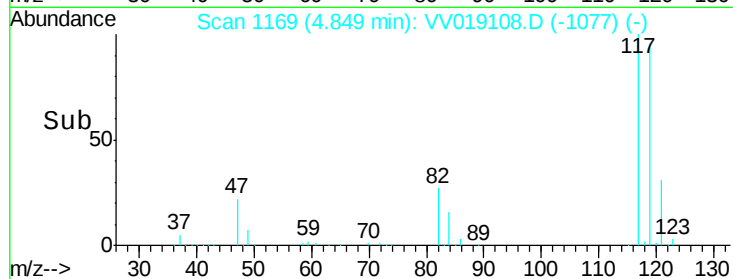
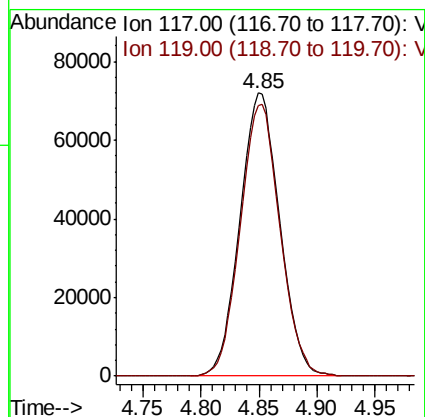
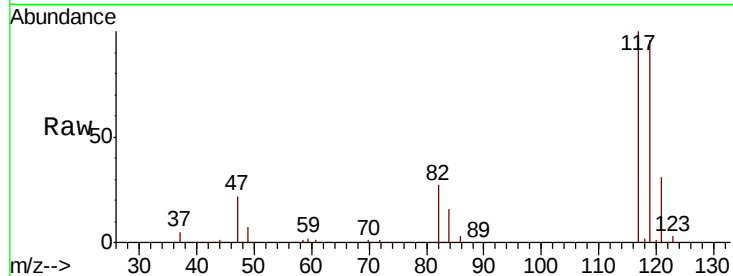




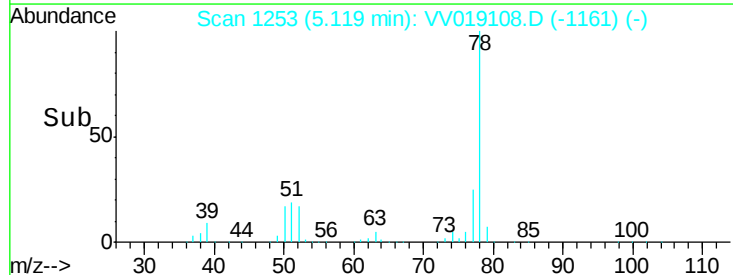
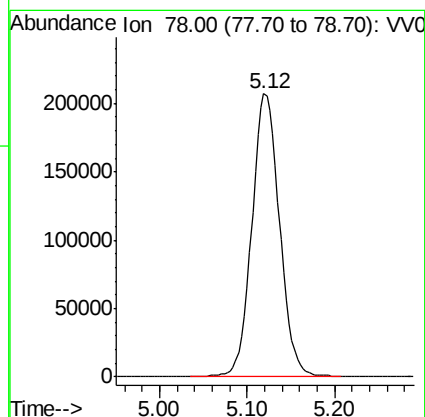
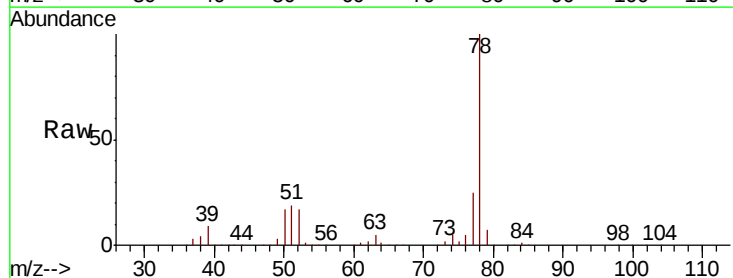
#31
Carbon tetrachloride
Concen: 50.406 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

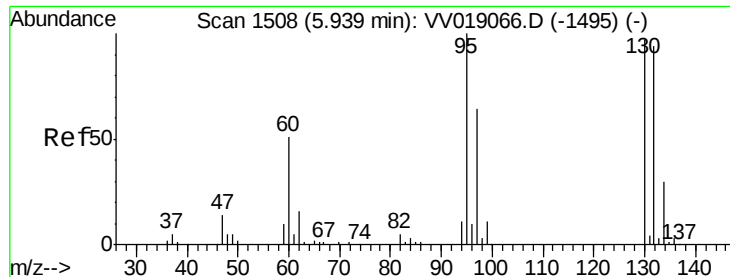
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tot Ion:117 Resp: 171659
Ion Ratio Lower Upper
117 100
119 96.3 77.2 115.8



#33
Benzene
Concen: 47.415 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57
Tgt Ion: 78 Resp: 455422





#34

Trichloroethene

Concen: 48.353 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tot Ion: 95 Resp: 117361

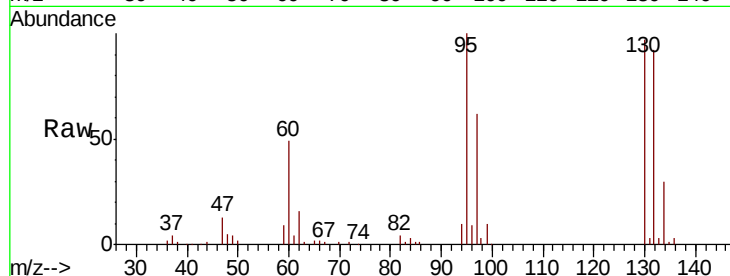
Ion Ratio Lower Upper

95 100

97 62.4 44.6 82.8

132 92.0 66.0 122.6

130 97.4 67.6 125.6

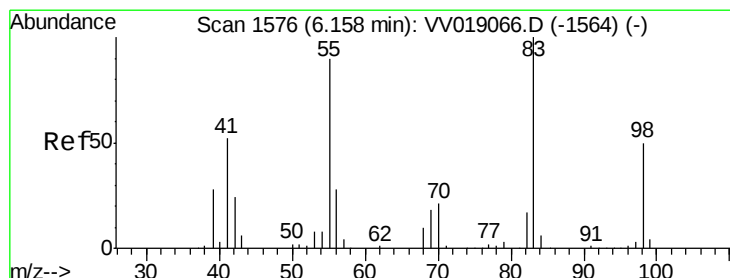
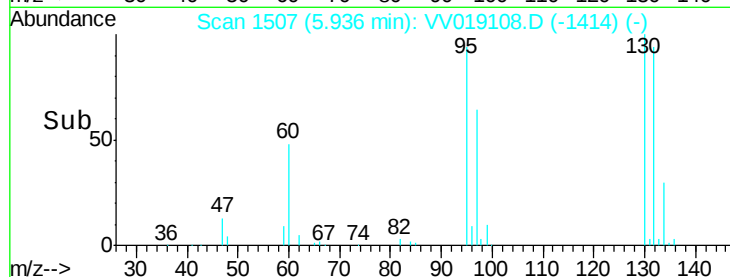
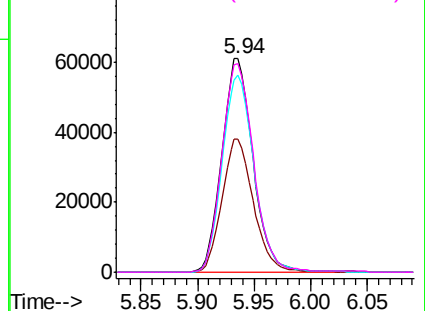


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 51.212 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

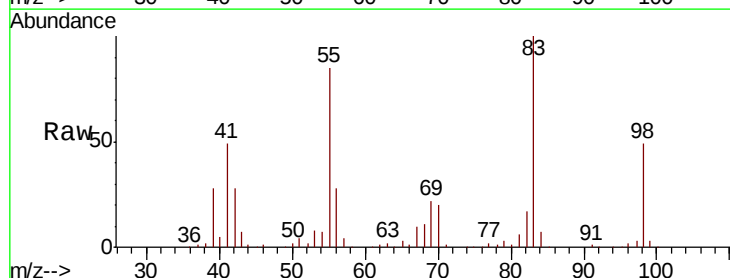
Tgt Ion: 83 Resp: 170069

Ion Ratio Lower Upper

83 100

55 83.9 68.1 102.1

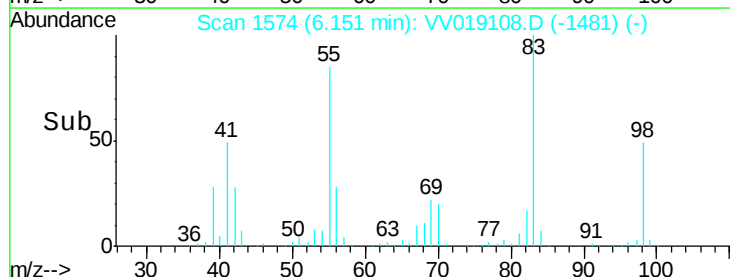
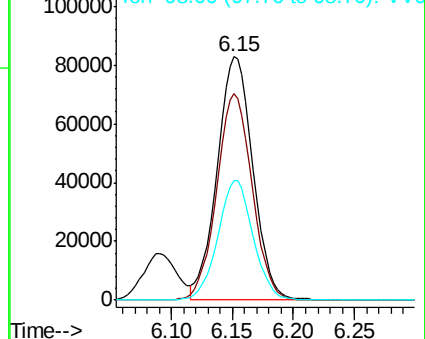
98 48.4 37.9 56.9

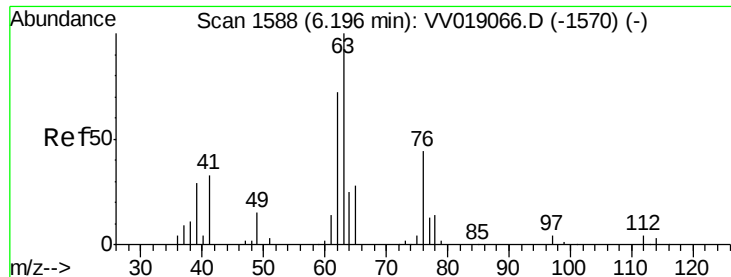


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 45.834 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

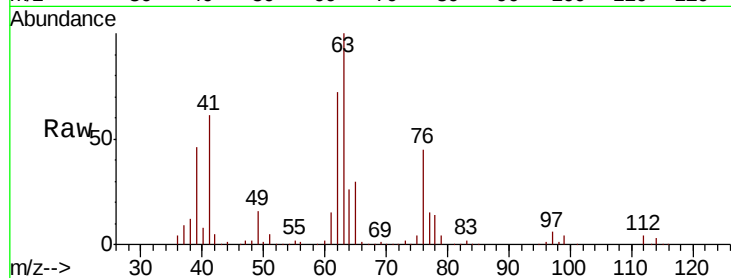
VSTD05073

Tot Ion: 63 Resp: 121197

Ion Ratio Lower Upper

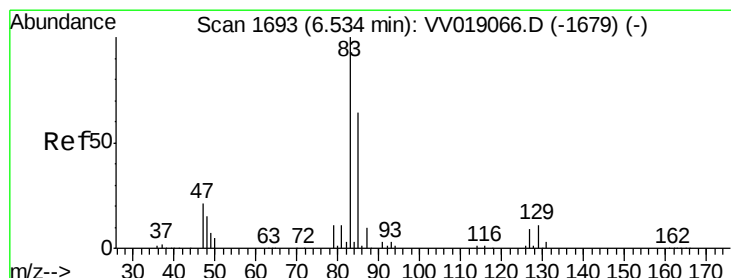
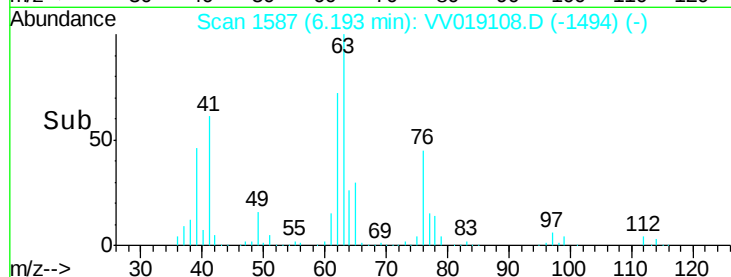
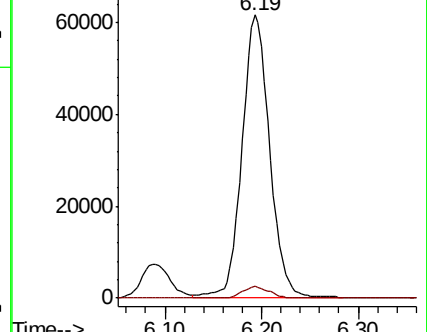
63 100

112 4.2 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019066.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV019066.D (-1570) (-)



#38

Bromodichloromethane

Concen: 47.956 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

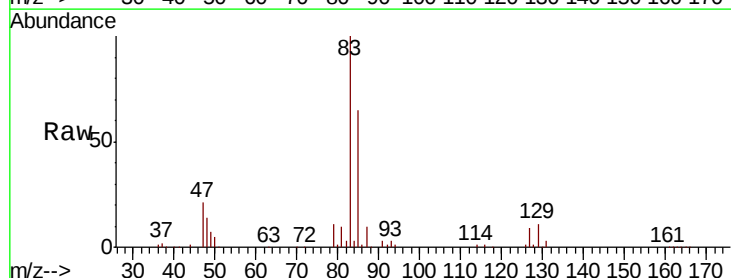
Tgt Ion: 83 Resp: 160449

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3

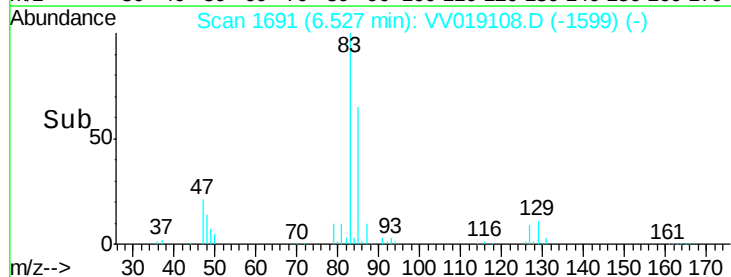
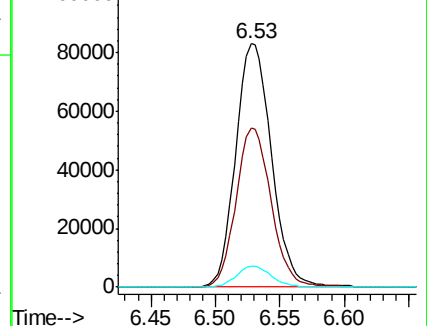
127 8.7 7.0 10.4

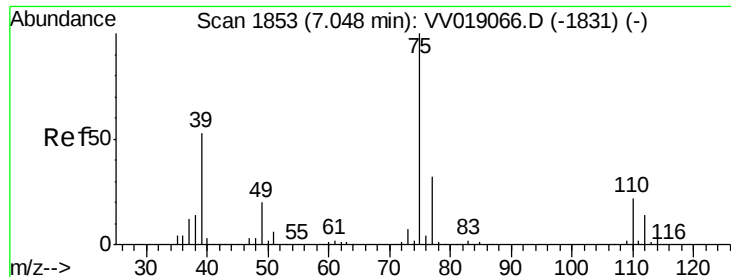


Abundance Ion 83.00 (82.70 to 83.70): VV019066.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV019066.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV019066.D (-1679) (-)

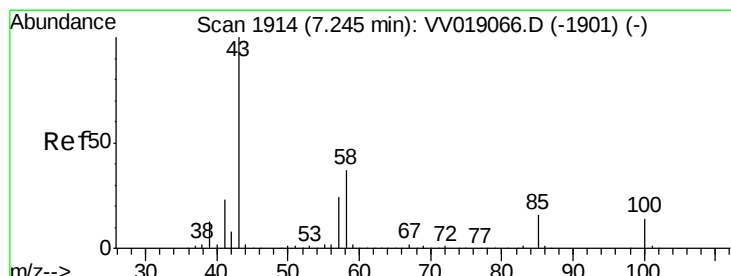
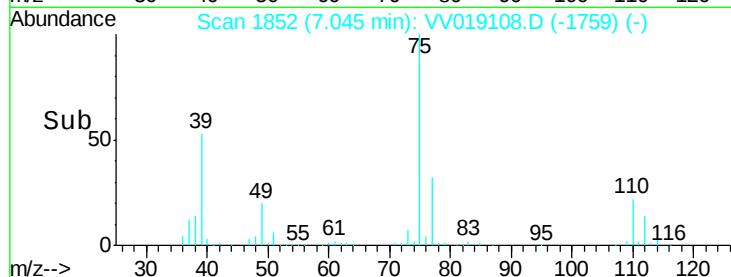
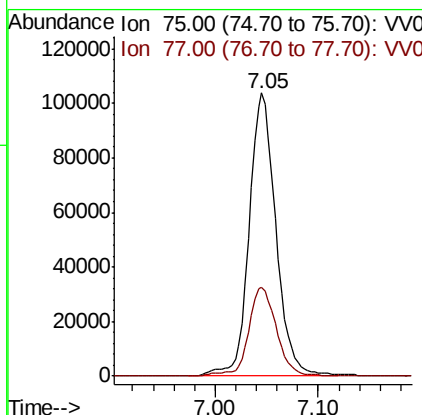
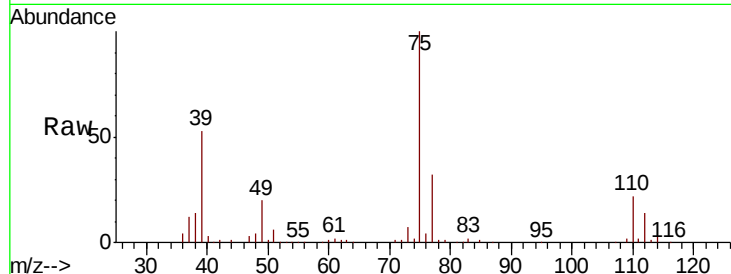




#39
 cis-1,3-Dichloropropene
 Concen: 47.863 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

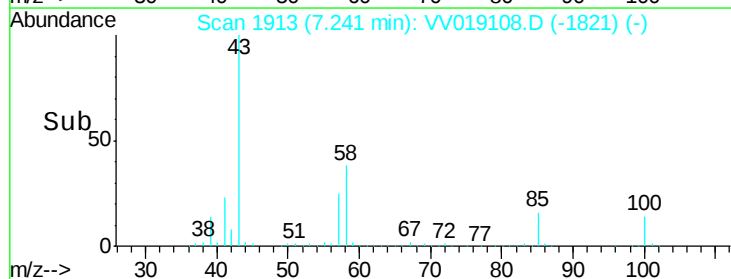
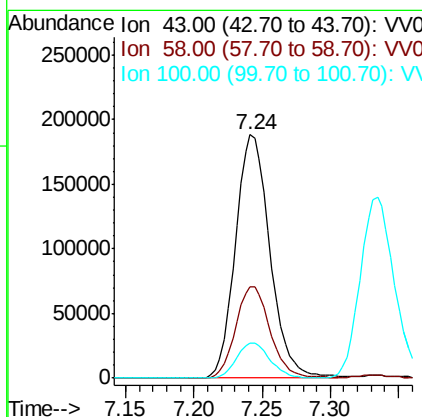
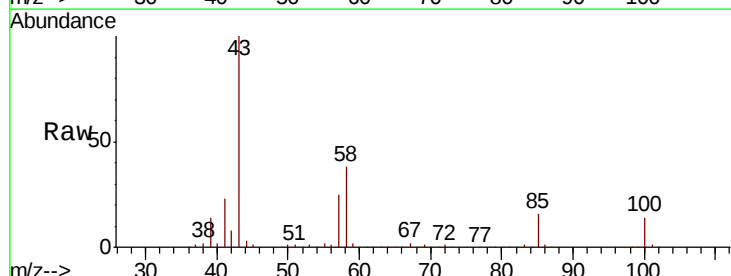
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

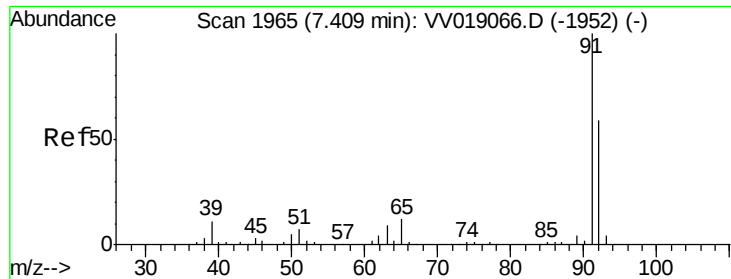
Tot Ion: 75 Resp: 187044
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 92.627 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

Tgt Ion: 43 Resp: 330439
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.6 44.4
 100 14.1 10.9 16.3





#42

Toluene

Concen: 49.533 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

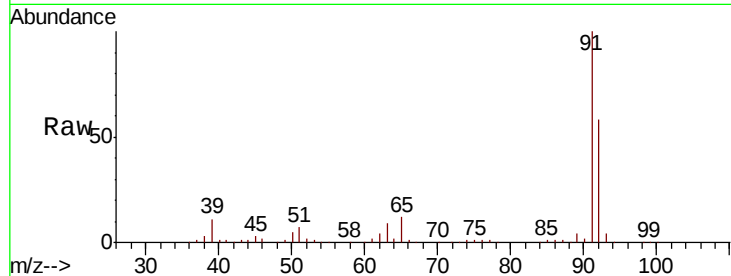
VSTD05073

Tot Ion: 91 Resp: 488339

Ion Ratio Lower Upper

91 100

92 58.2 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

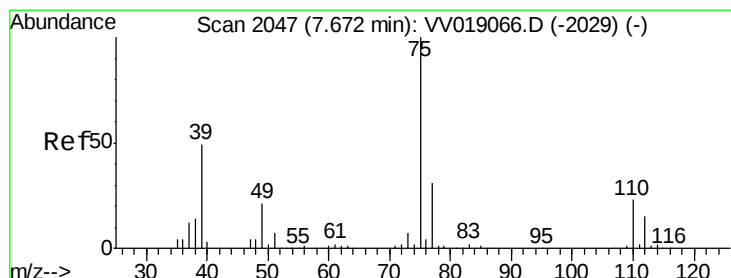
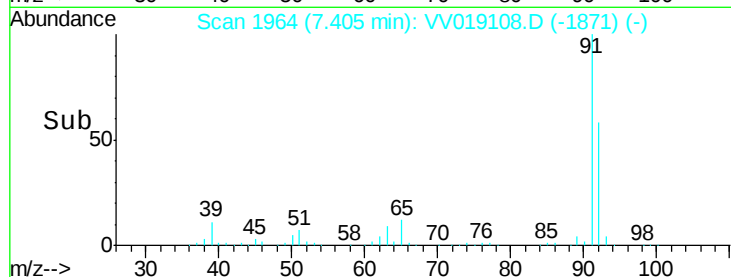
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.323 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019108.D

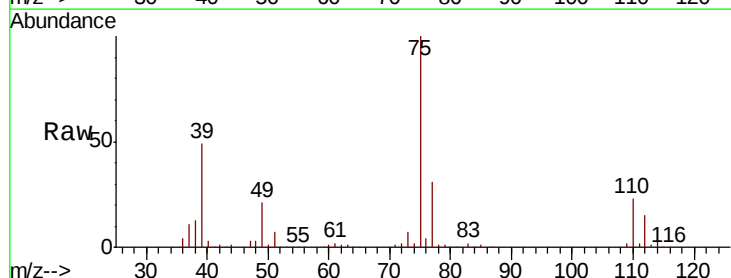
Acq: 26 Oct 2020 09:57

Tgt Ion: 75 Resp: 191224

Ion Ratio Lower Upper

75 100

77 31.0 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

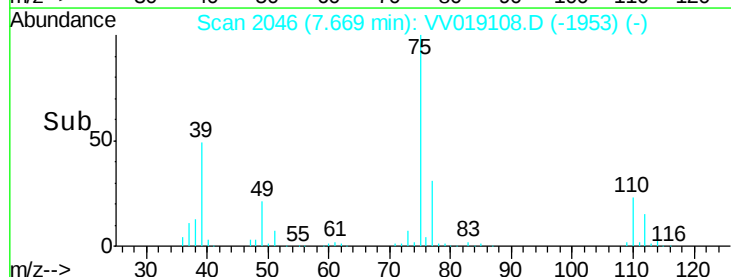
60000

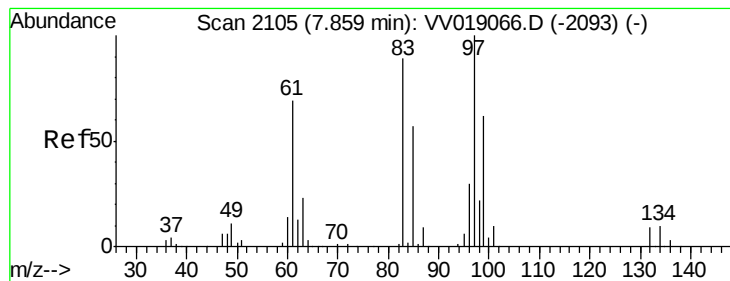
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.375 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tot Ion: 97 Resp: 110641

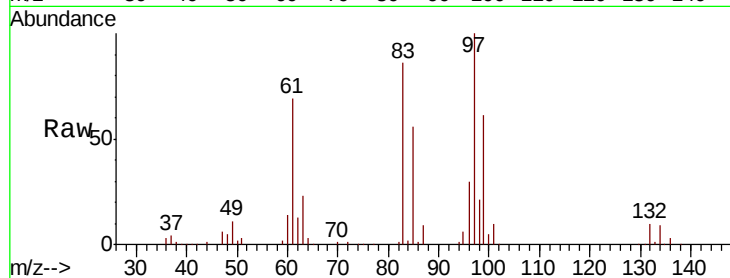
Ion Ratio Lower Upper

97 100

99 61.2 43.5 80.9

83 86.1 62.2 115.4

85 56.2 39.9 74.1

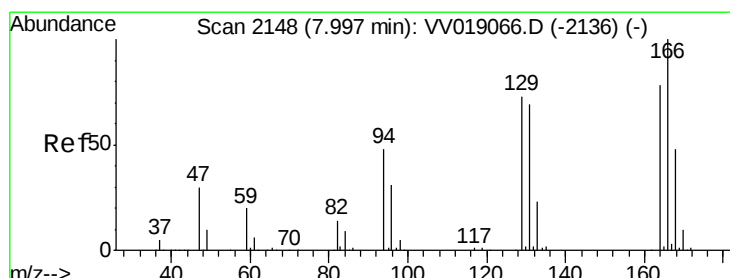
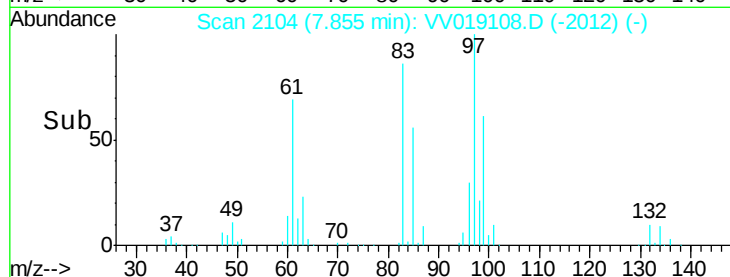
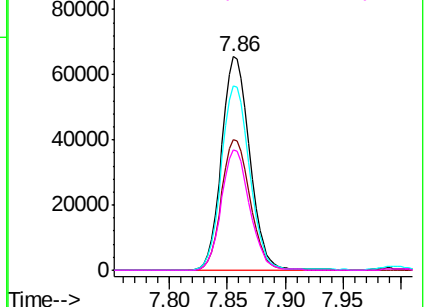


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 50.781 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Tgt Ion: 164 Resp: 94583

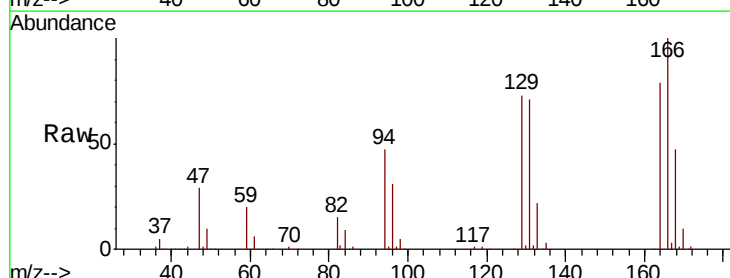
Ion Ratio Lower Upper

164 100

129 93.2 65.5 121.6

131 90.1 62.4 115.8

166 127.1 90.0 167.2

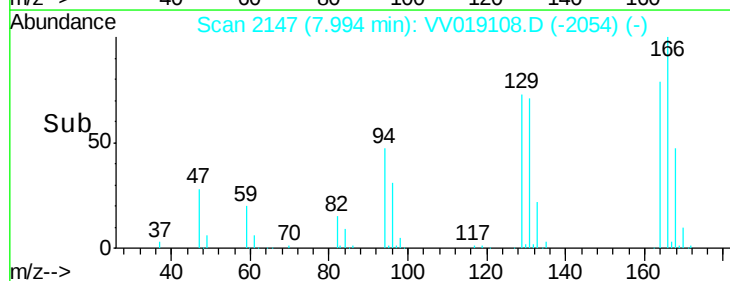
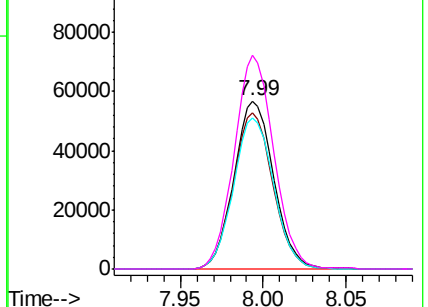


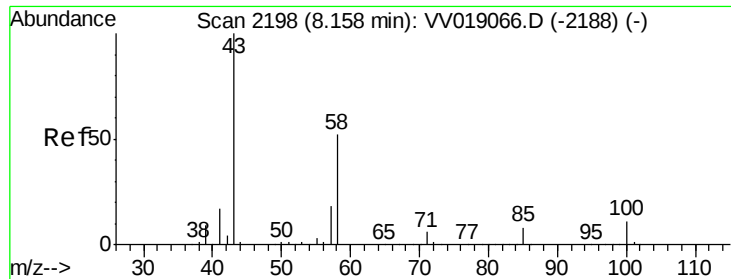
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

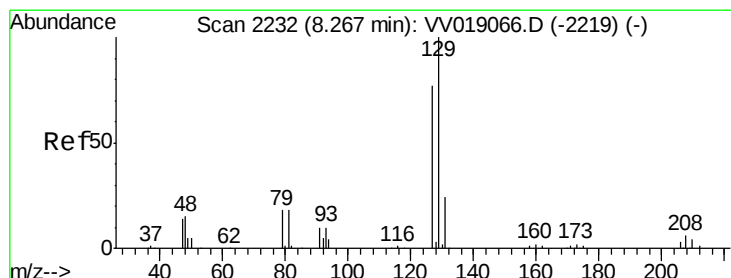
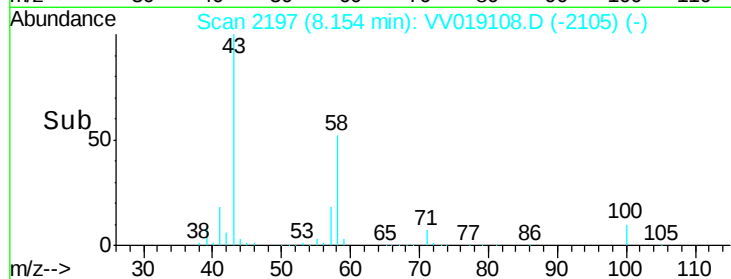
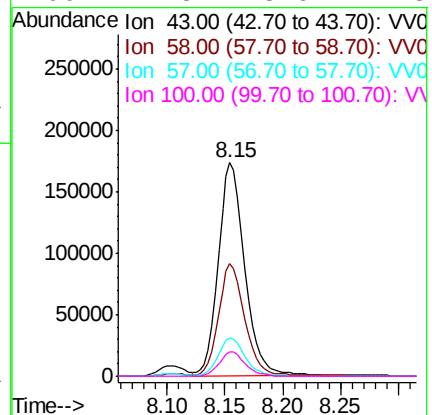
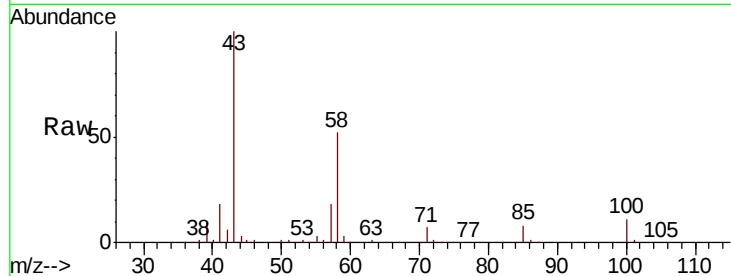




#48
2-Hexanone
Concen: 100.850 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

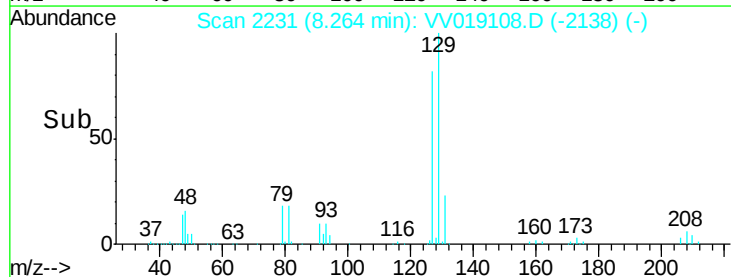
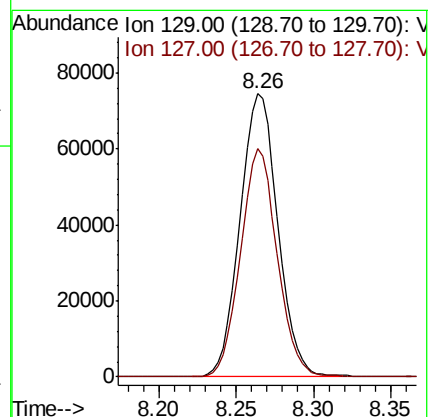
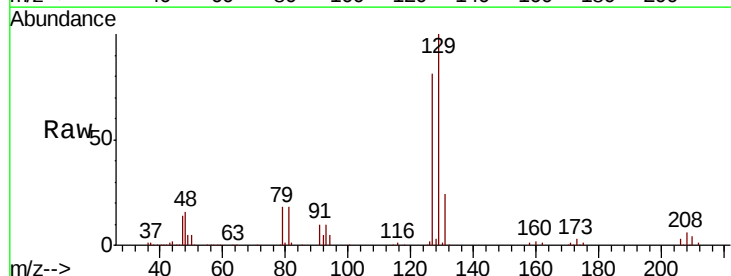
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

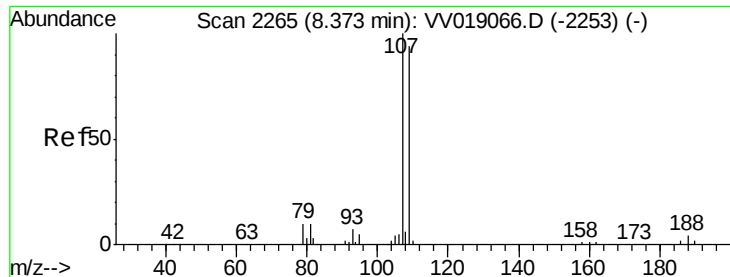
Tot Ion: 43 Resp: 277620
Ion Ratio Lower Upper
43 100
58 52.0 41.1 61.7
57 18.3 14.7 22.1
100 11.3 8.6 12.8



#49
Dibromochloromethane
Concen: 49.605 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

Tgt Ion: 129 Resp: 126629
Ion Ratio Lower Upper
129 100
127 80.6 53.7 99.7

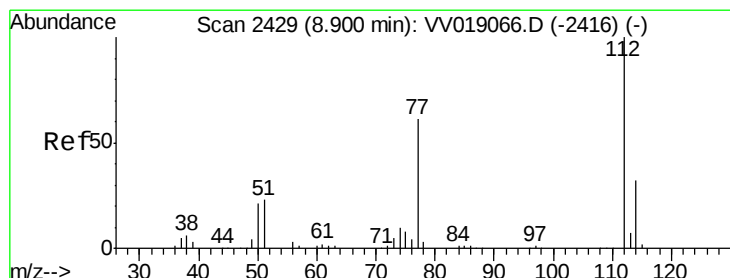
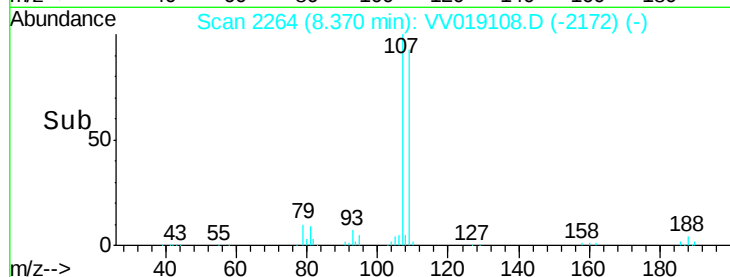
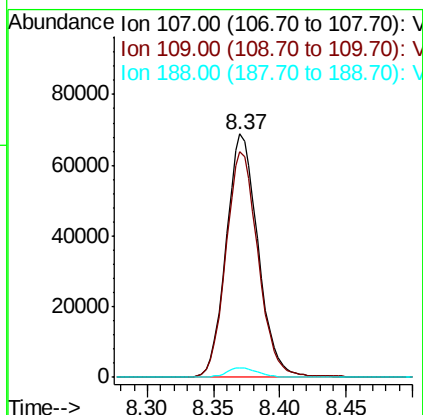
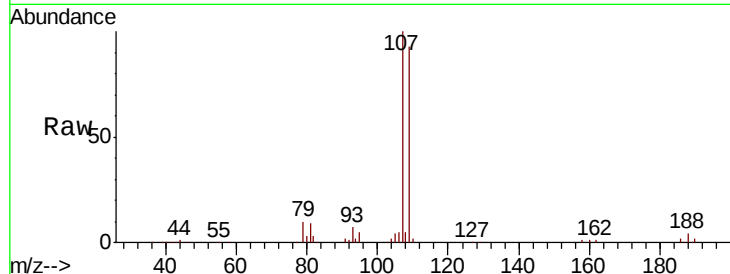




#50
1,2-Dibromoethane
Concen: 47.544 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

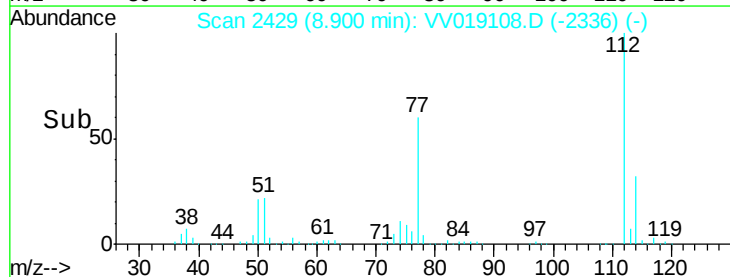
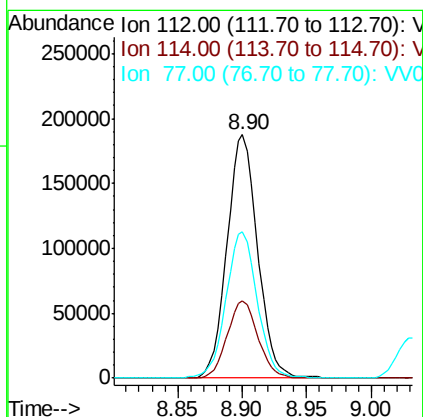
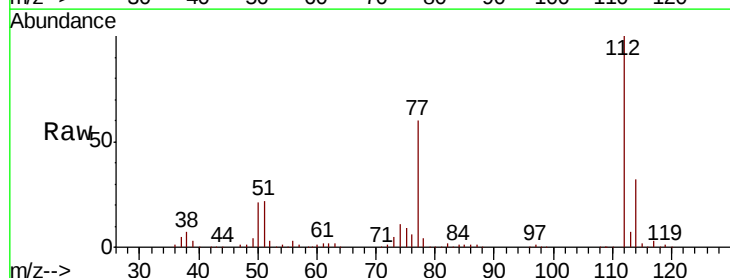
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

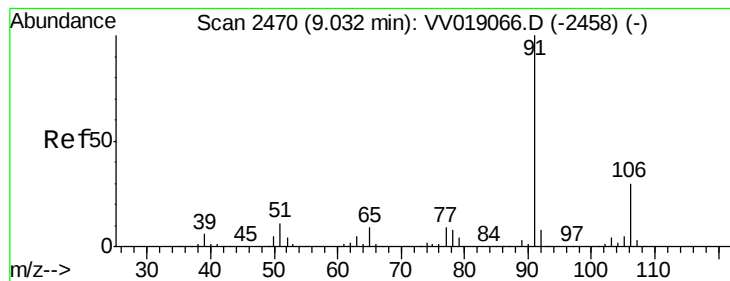
Tot Ion:107 Resp: 115226
Ion Ratio Lower Upper
107 100
109 92.7 66.1 122.7
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 48.837 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019108.D
Acq: 26 Oct 2020 09:57

Tgt Ion:112 Resp: 308809
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 60.3 49.1 73.7





#52

Ethylbenzene

Concen: 50.412 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

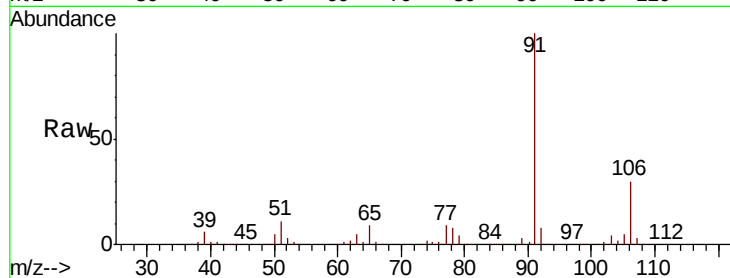
VSTD05073

Tot Ion: 91 Resp: 537441

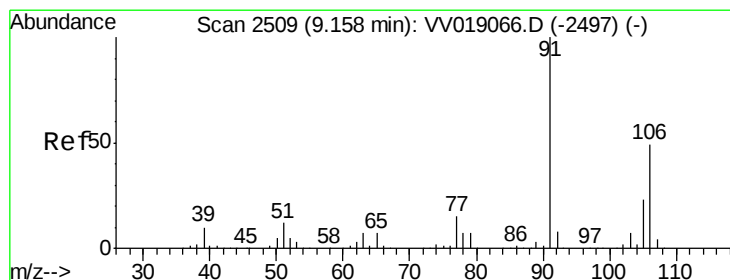
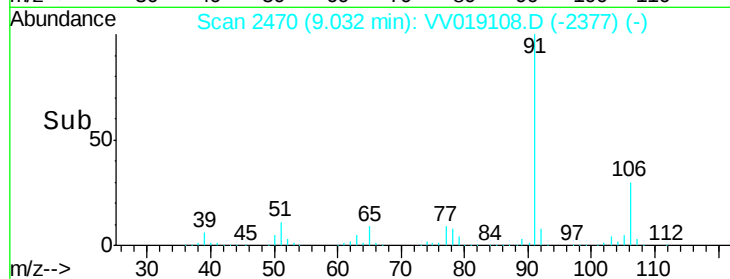
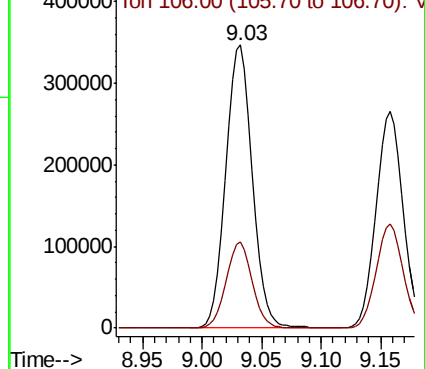
Ion Ratio Lower Upper

91 100

106 30.4 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019108.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.480 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019108.D

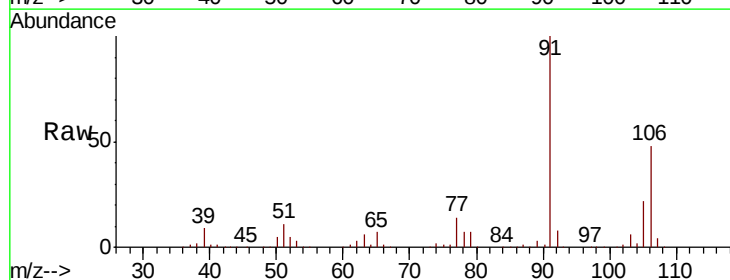
Acq: 26 Oct 2020 09:57

Tgt Ion: 106 Resp: 200914

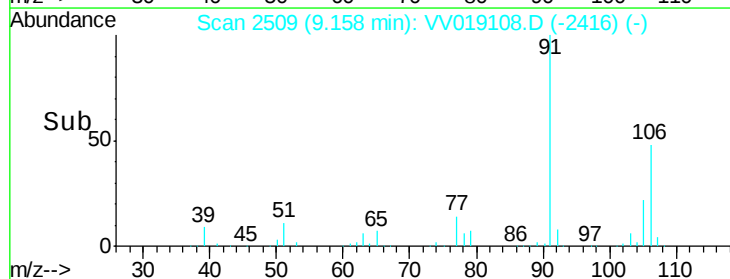
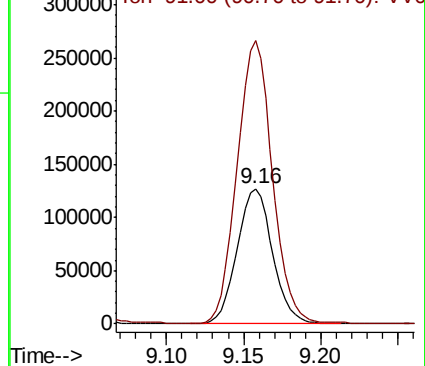
Ion Ratio Lower Upper

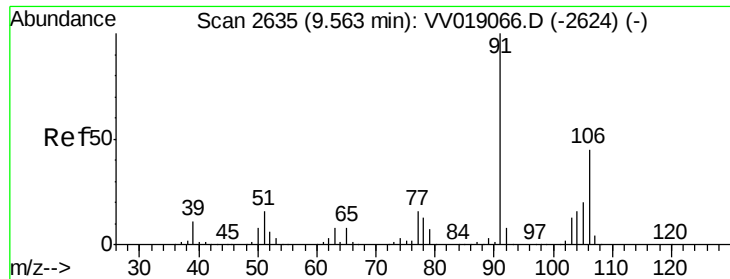
106 100

91 208.9 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019108.D (-2416) (-)





#54

o-xylene

Concen: 50.720 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

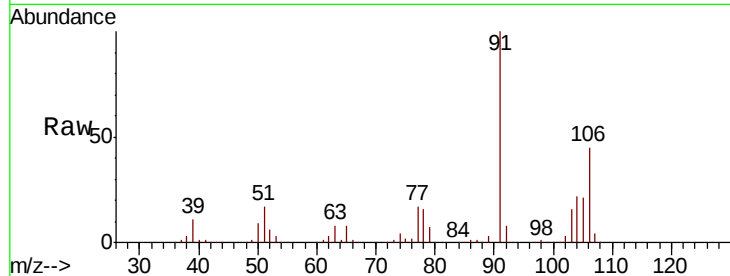
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tot Ion:106 Resp: 190593

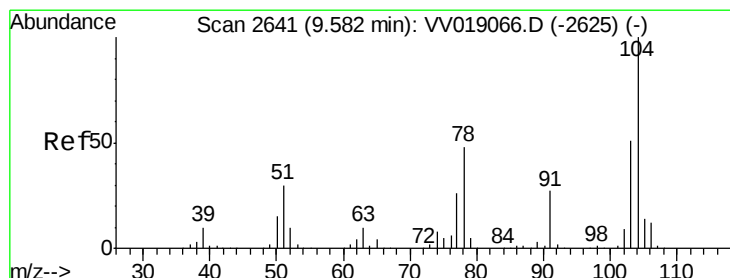
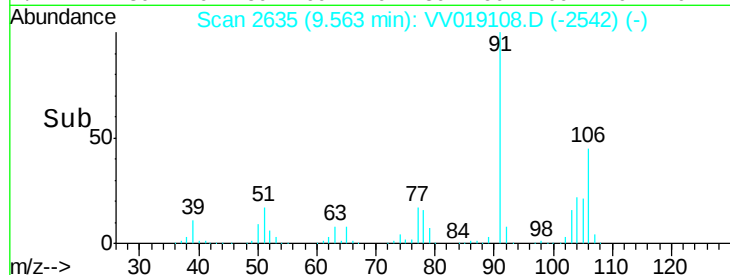
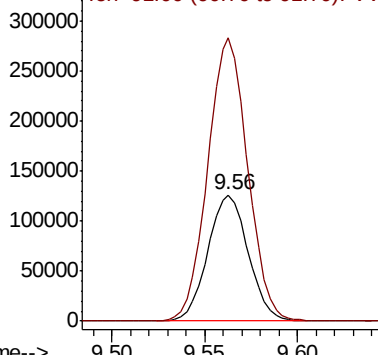
Ion Ratio Lower Upper

106 100

91 224.1 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.061 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019108.D

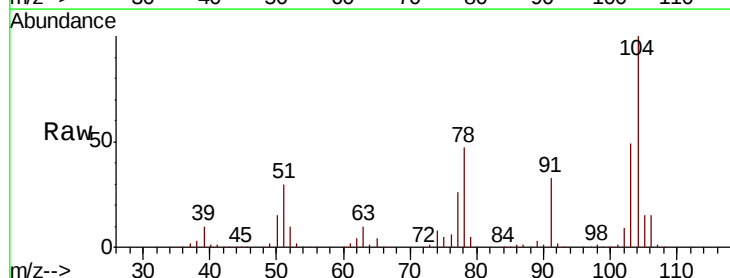
Acq: 26 Oct 2020 09:57

Tgt Ion:104 Resp: 347023

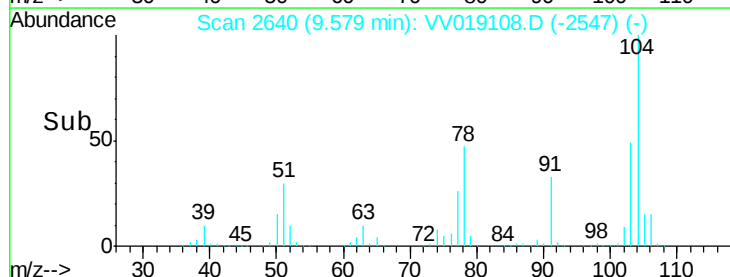
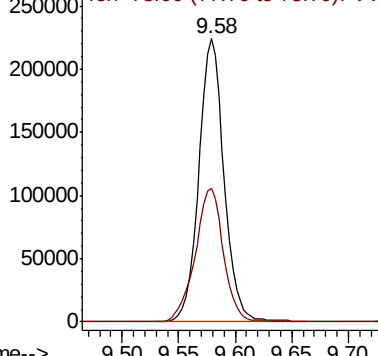
Ion Ratio Lower Upper

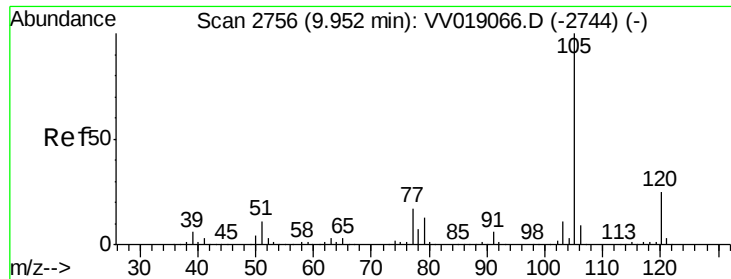
104 100

78 47.3 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.620 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

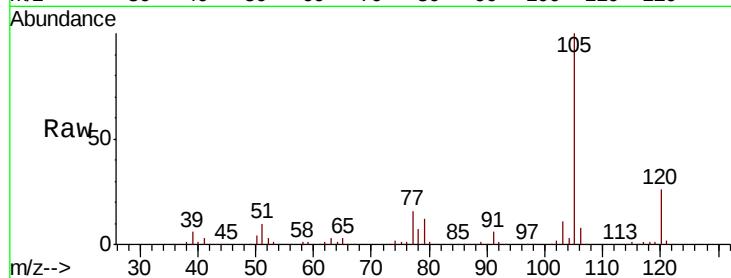
Tot Ion:105 Resp: 519924

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

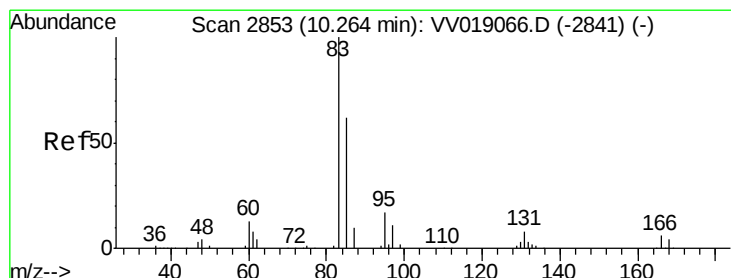
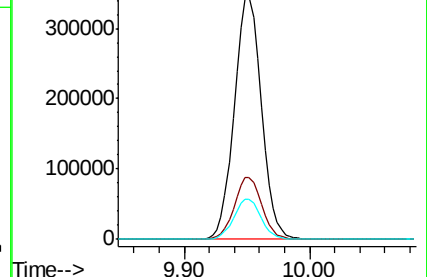
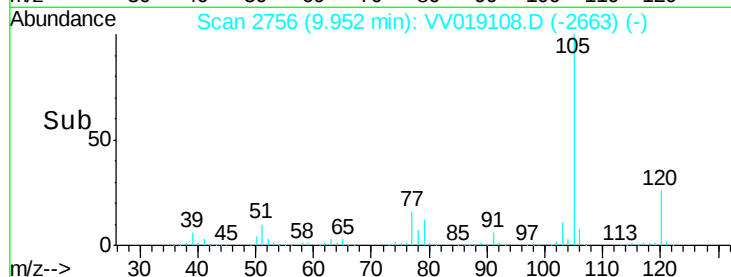
77 16.5 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.812 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

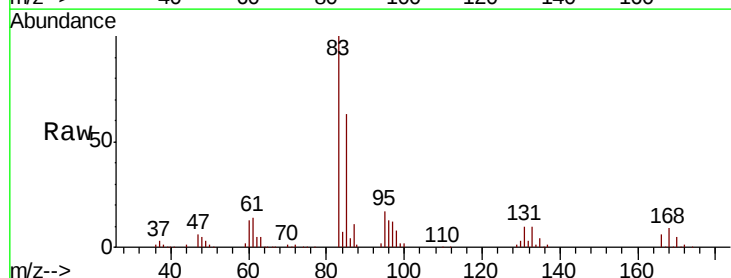
Tgt Ion: 83 Resp: 172205

Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.2

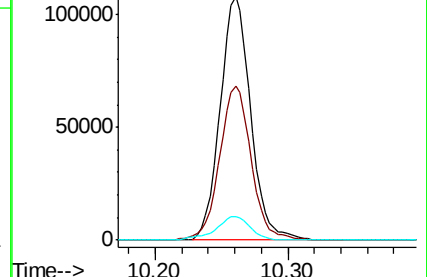
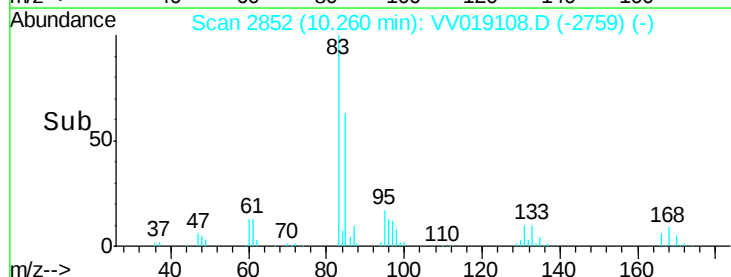
131 9.8 7.4 11.2

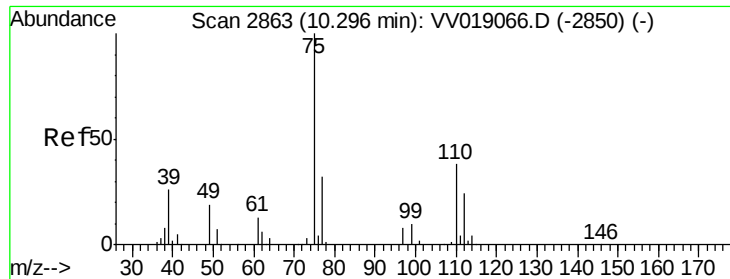


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.069 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

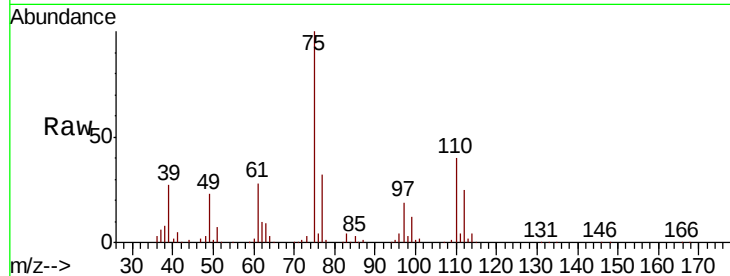
VSTD05073

Tot Ion: 75 Resp: 139347

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.29

80000

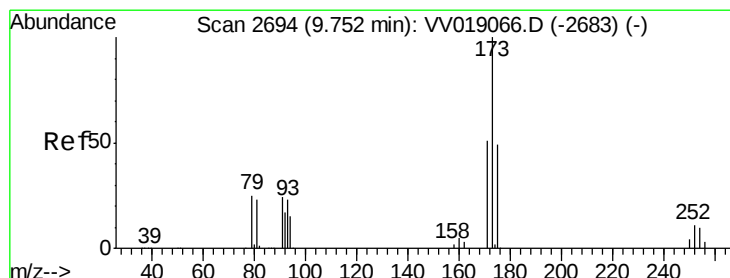
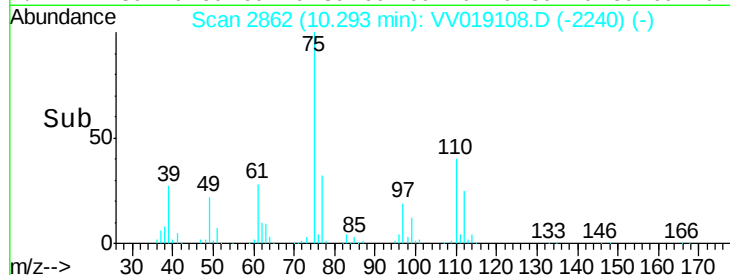
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 49.739 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

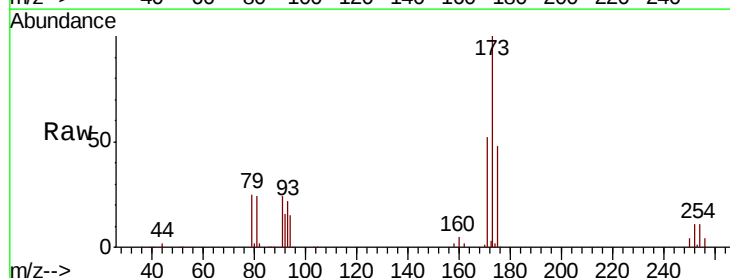
Tgt Ion: 173 Resp: 93739

Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 10.6 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

80000

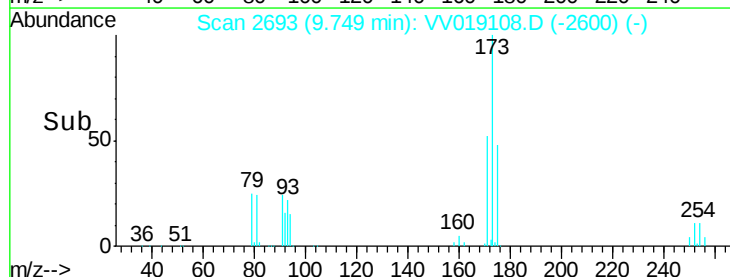
60000

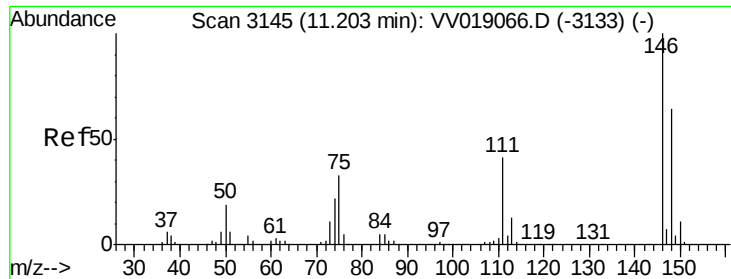
40000

20000

0

Time-->

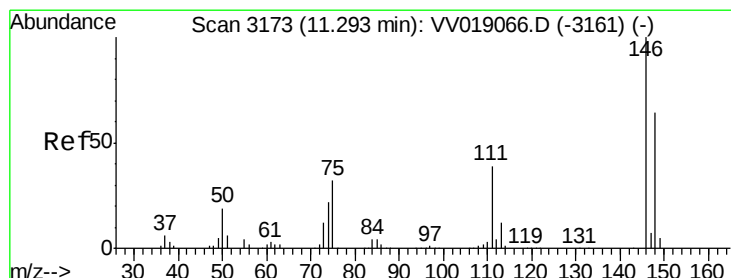
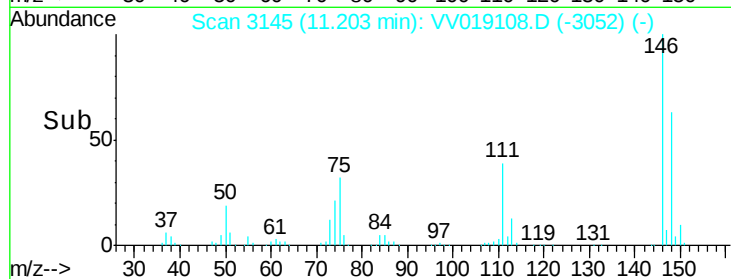
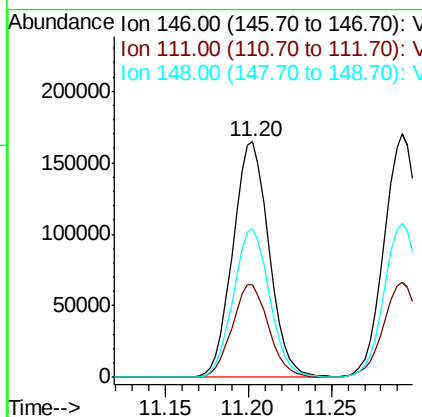
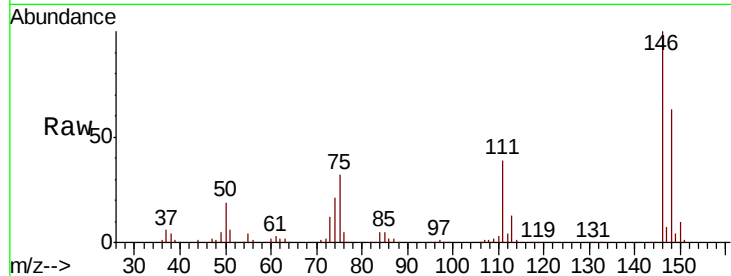




#62
 1,3-Dichlorobenzene
 Concen: 49.873 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

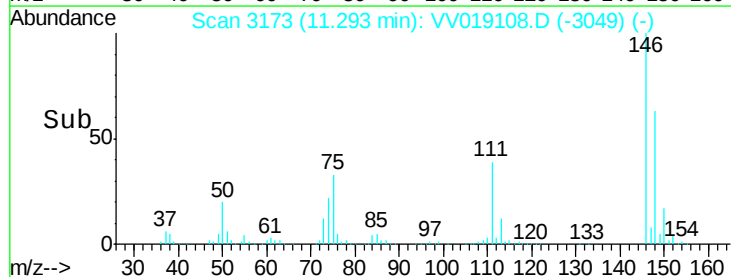
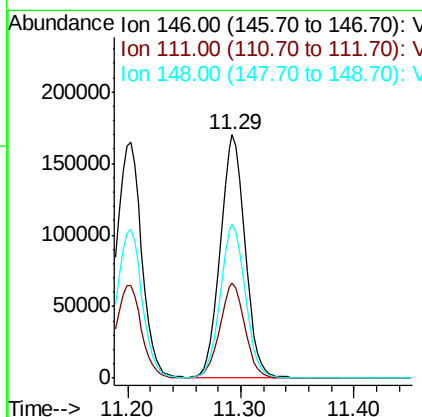
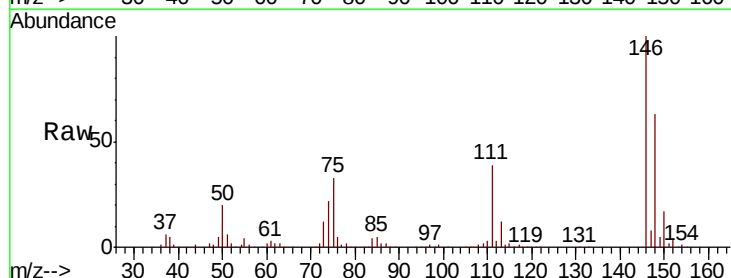
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

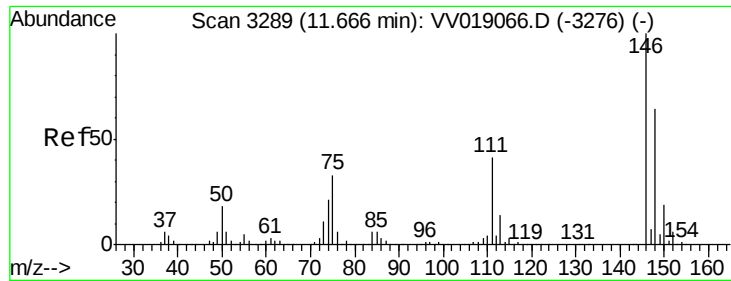
Tot Ion:146 Resp: 250459
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.8 53.4
 148 63.1 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 49.445 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

Tgt Ion:146 Resp: 259467
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.8 51.6
 148 63.2 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 49.034 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

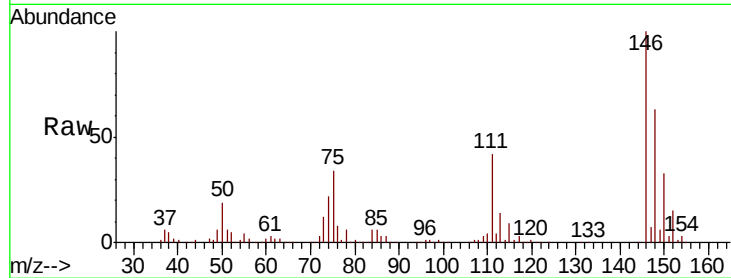
Tot Ion:146 Resp: 248282

Ion Ratio Lower Upper

146 100

111 42.1 33.3 49.9

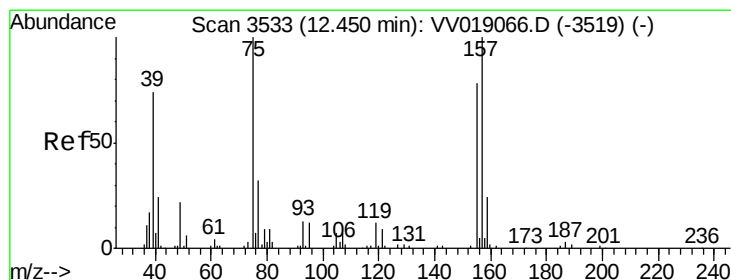
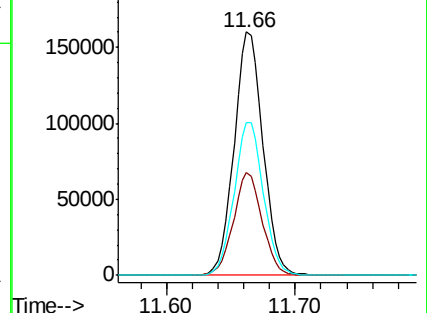
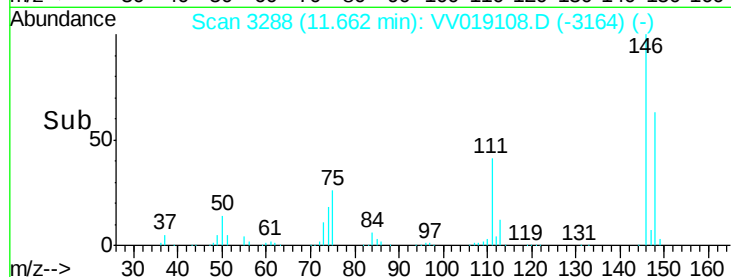
148 62.8 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): 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: 46.531 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

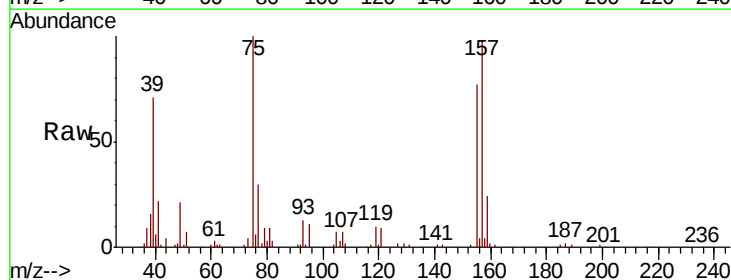
Tgt Ion: 75 Resp: 41625

Ion Ratio Lower Upper

75 100

155 76.8 62.2 93.4

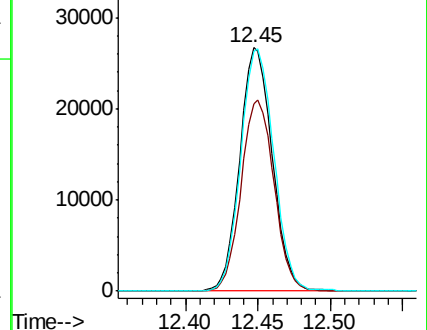
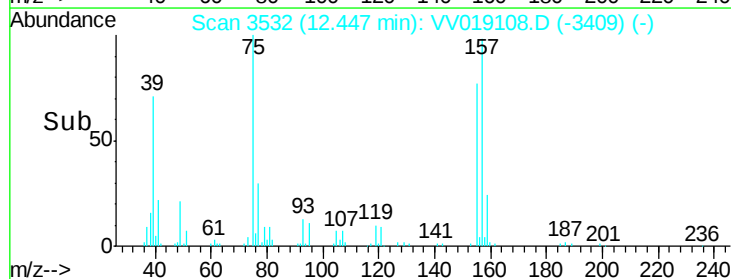
157 98.3 79.9 119.9

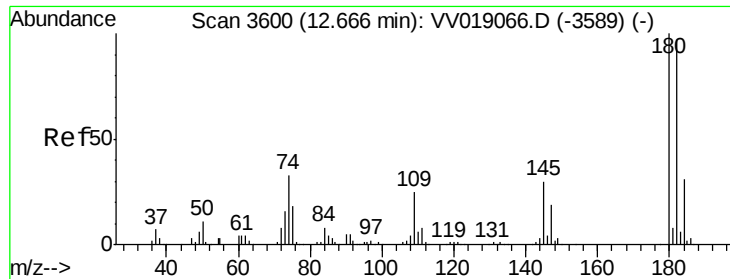


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

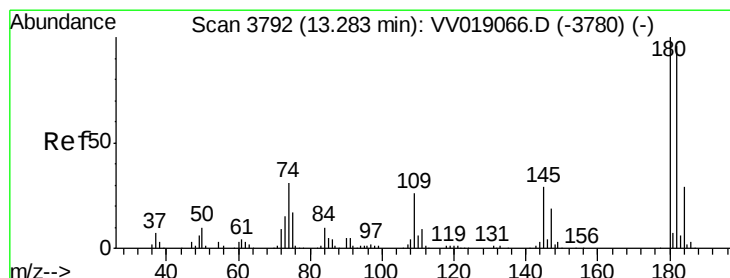
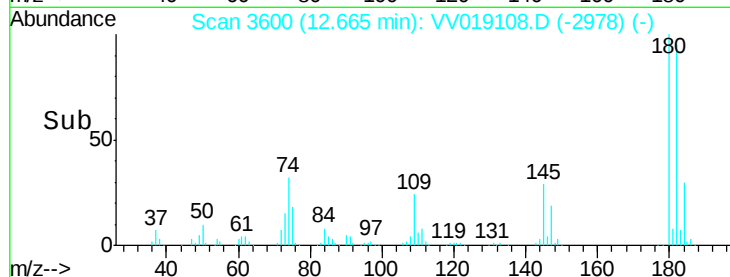
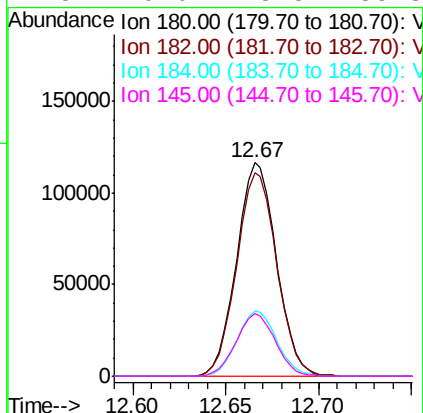
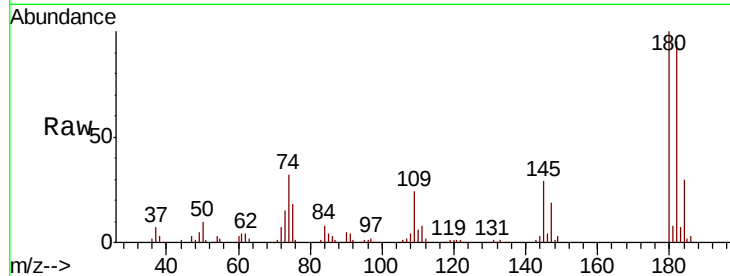




#67
 1,3,5-Trichlorobenzene
 Concen: 50.665 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

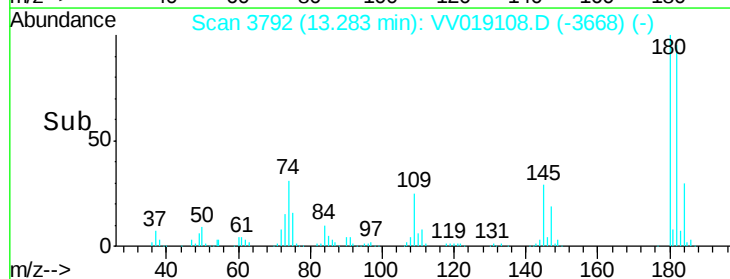
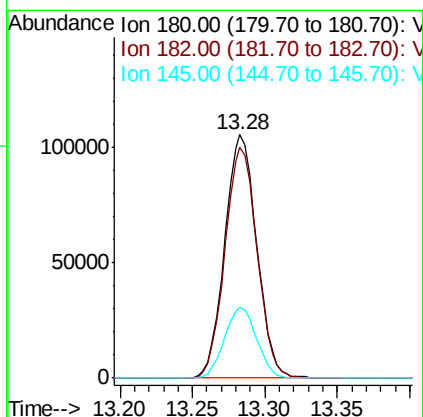
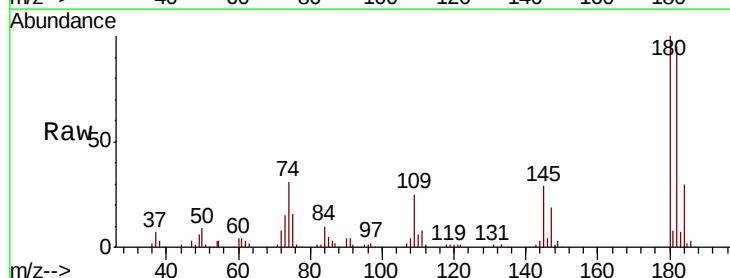
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

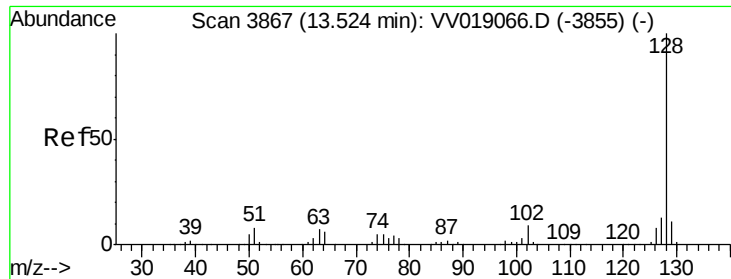
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.0
184	30.3	24.7	37.1
145	29.0	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 49.874 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019108.D
 Acq: 26 Oct 2020 09:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.2
145	29.3	23.7	35.5





#69

Naphthalene

Concen: 49.171 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

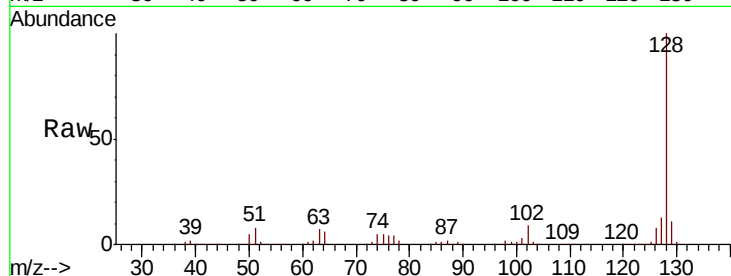
Tot Ion:128 Resp: 489898

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

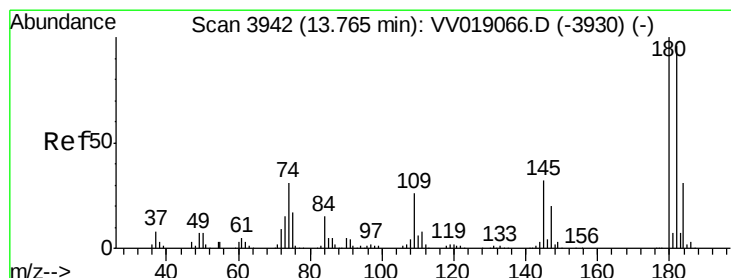
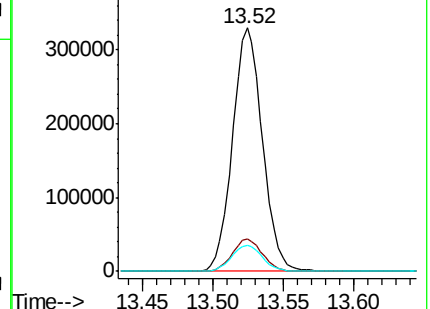
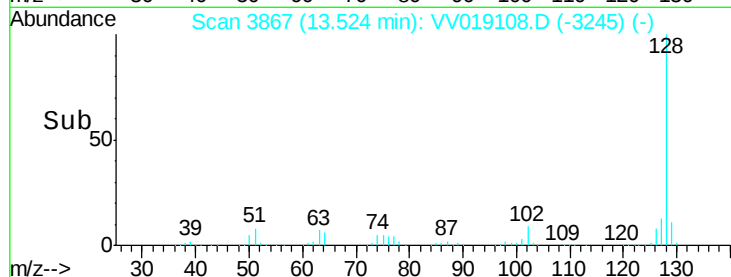
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.594 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019108.D

Acq: 26 Oct 2020 09:57

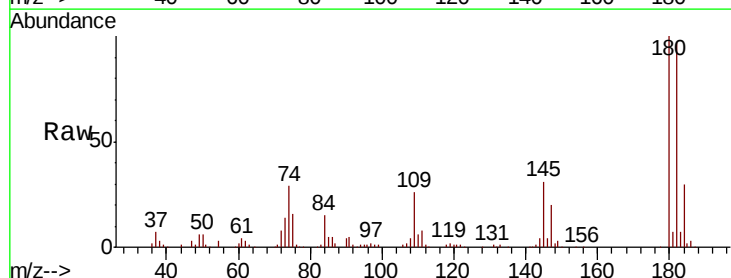
Tgt Ion:180 Resp: 162485

Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

145 31.5 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

