

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019310.D
 Acq On : 09 Nov 2020 18:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

Quant Time: Nov 10 07:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	247540	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	242292	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	132676	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77018	40.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.64%
7) Chloroethane-d5	1.58	69	69568	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.94%
11) 1,1-Dichloroethene-d2	2.12	63	166175	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
21) 2-Butanone-d5	3.92	46	134453	127.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.64%
24) Chloroform-d	4.38	84	174345	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	5.06	65	120593	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
32) Benzene-d6	5.07	84	309896	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
36) 1,2-Dichloropropane-d6	6.09	67	100879	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.34	98	284661	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%
43) trans-1,3-Dichloropropene-	7.64	79	53771	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.08%
47) 2-Hexanone-d5	8.11	63	90021	116.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.09%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	141573	53.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.38%
66) 1,2-Dichlorobenzene-d4	11.65	152	121094	45.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	70042	46.186	ug/L 99
3) Chloromethane	1.25	50	87877	55.650	ug/L 99
5) Vinyl chloride	1.32	62	91811	55.856	ug/L 98
6) Bromomethane	1.53	94	61006	55.225	ug/L 98
8) Chloroethane	1.60	64	62928	58.537	ug/L 98
9) Trichlorofluoromethane	1.77	101	146426	53.810	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	75906	58.707	ug/L 96
12) 1,1-Dichloroethene	2.13	96	74071	55.428	ug/L 98
13) Acetone	2.20	43	100606	125.590	ug/L 99
14) Carbon disulfide	2.31	76	191591	49.929	ug/L 99
15) Methyl Acetate	2.45	43	92130	59.356	ug/L 98
16) Methylene chloride	2.52	84	87084	54.819	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	75863	52.329	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	272163	53.408	ug/L 98
19) 1,1-Dichloroethane	3.21	63	157479	55.442	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	86279	53.854	ug/L 98
22) 2-Butanone	4.00	43	129037	126.900	ug/L 96

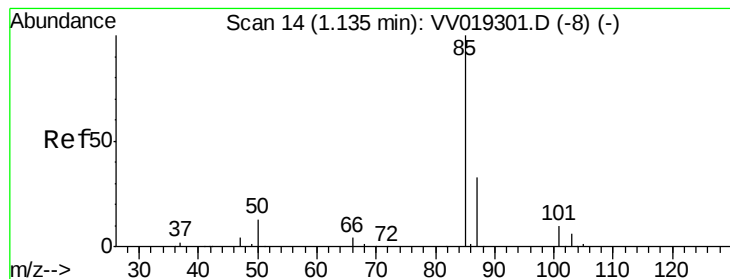
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46095	52.255	ug/L	94
25) Chloroform	4.40	83	165106	54.217	ug/L	100
27) 1,2-Dichloroethane	5.15	62	138451	53.485	ug/L	98
29) Cyclohexane	4.70	56	114319	55.134	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	145727	51.860	ug/L	98
31) Carbon tetrachloride	4.85	117	126068	51.959	ug/L	98
33) Benzene	5.13	78	330809	54.939	ug/L	100
34) Trichloroethene	5.94	95	88190	53.894	ug/L	99
35) Methylcyclohexane	6.15	83	108732	54.898	ug/L	98
37) 1,2-Dichloropropane	6.20	63	90693	56.436	ug/L	97
38) Bromodichloromethane	6.53	83	126051	54.504	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	139330	54.186	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	259974	120.423	ug/L	99
42) Toluene	7.41	91	352473	54.155	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	143172	54.336	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	86272	54.315	ug/L	96
46) Tetrachloroethene	7.99	164	67336	50.432	ug/L	98
48) 2-Hexanone	8.16	43	204067	125.030	ug/L	99
49) Dibromochloromethane	8.27	129	99415	52.482	ug/L	98
50) 1,2-Dibromoethane	8.37	107	89100	54.119	ug/L	96
51) Chlorobenzene	8.90	112	230549	52.955	ug/L	99
52) Ethylbenzene	9.03	91	382390	53.251	ug/L	99
53) m,p-Xylene	9.16	106	142707	53.083	ug/L	99
54) o-Xylene	9.56	106	140957	53.193	ug/L	97
55) Styrene	9.58	104	258706	54.847	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	131049	54.536	ug/L	99
59) Bromoform	9.75	173	75224	51.085	ug/L	98
60) Isopropylbenzene	9.95	105	374033	53.790	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	111309	54.001	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	309816	53.494	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	302807	53.433	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	189361	52.061	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	194802	51.767	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	193725	52.061	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	32397	53.875	ug/L	97
69) 1,3,5-Trichlorobenzene	12.67	180	134485	51.515	ug/L	97
70) 1,2,4-trichlorobenzene	13.28	180	124875	50.836	ug/L	99
71) Naphthalene	13.52	128	372660	53.792	ug/L	100
72) 1,2,3-Trichlorobenzene	13.76	180	131484	53.996	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 46.186 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

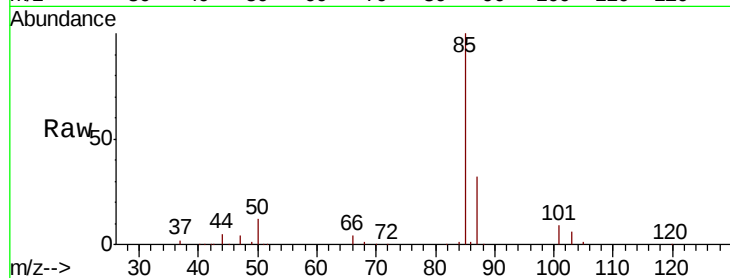
VSTD050316

Tot Ion: 85 Resp: 70042

Ion Ratio Lower Upper

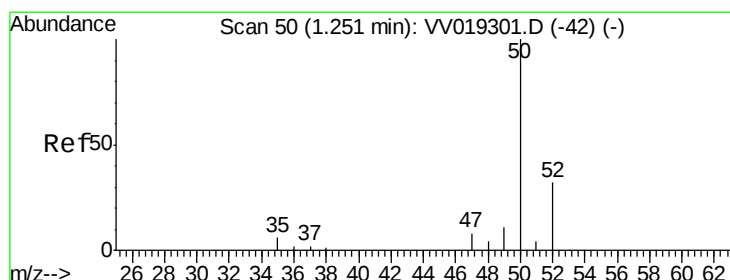
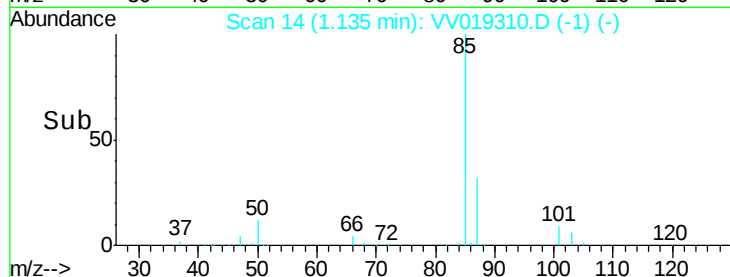
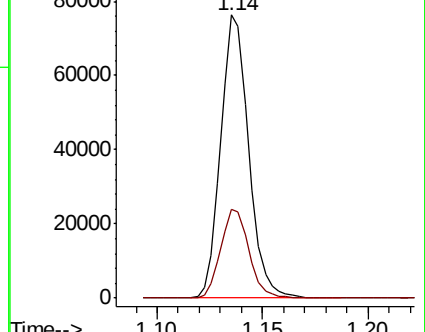
85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019310.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019310.D (-8) (-)



#3

Chloromethane

Concen: 55.650 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019310.D

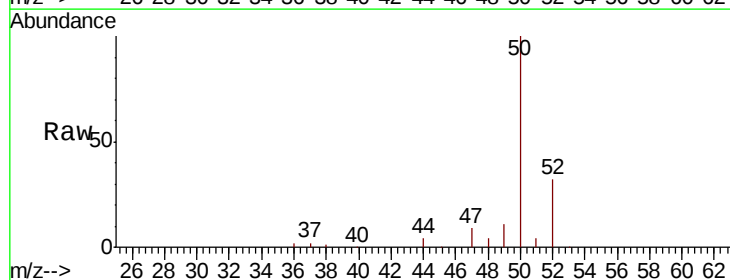
Acq: 09 Nov 2020 18:46

Tgt Ion: 50 Resp: 87877

Ion Ratio Lower Upper

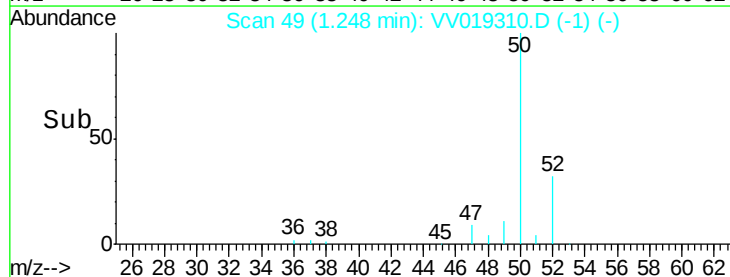
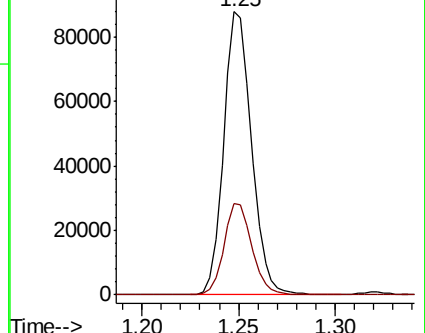
50 100

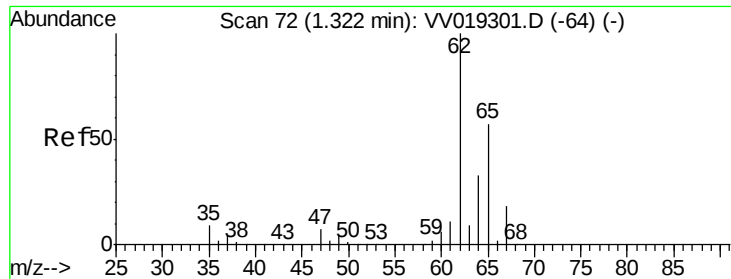
52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV019310.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019310.D (-42) (-)





#5

Vinyl chloride

Concen: 55.856 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

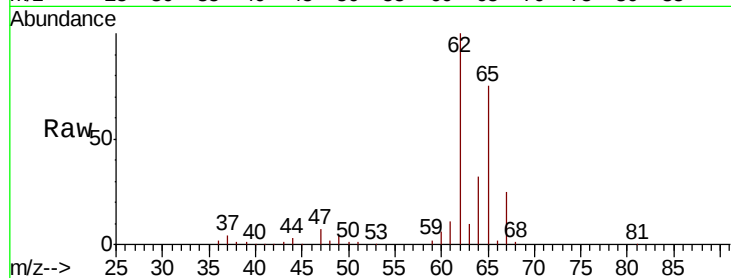
VSTD050316

Tot Ion: 62 Resp: 91811

Ion Ratio Lower Upper

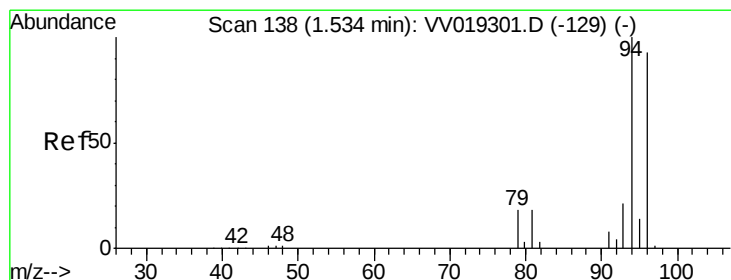
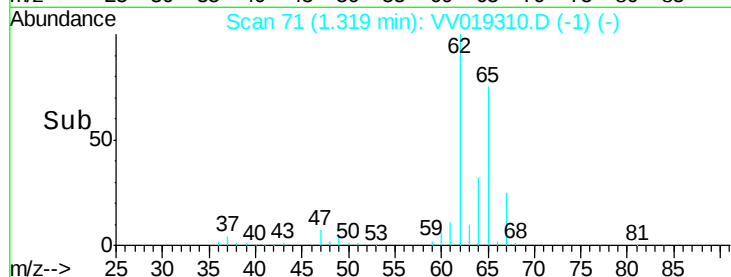
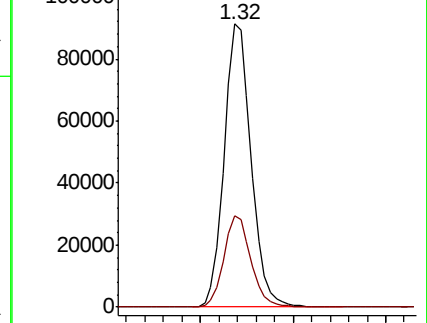
62 100

64 32.2 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 55.225 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019310.D

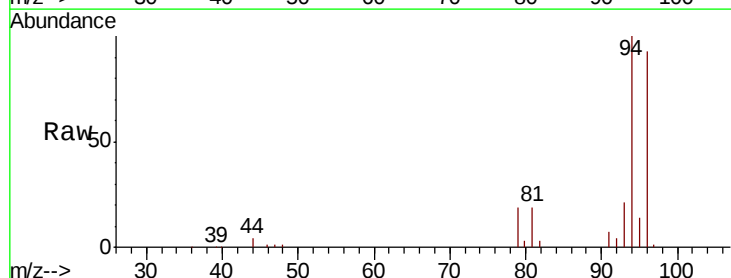
Acq: 09 Nov 2020 18:46

Tgt Ion: 94 Resp: 61006

Ion Ratio Lower Upper

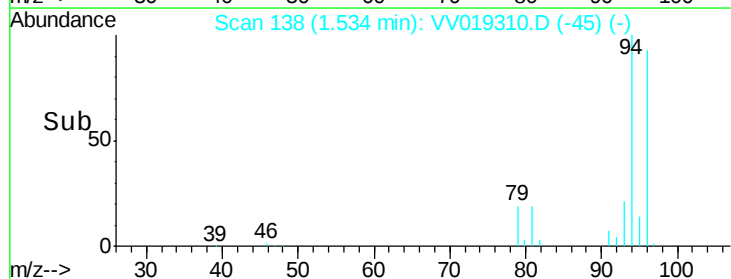
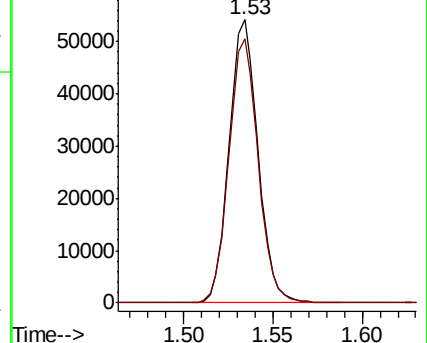
94 100

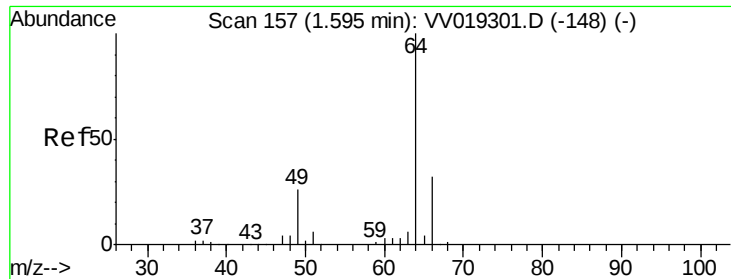
96 93.3 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

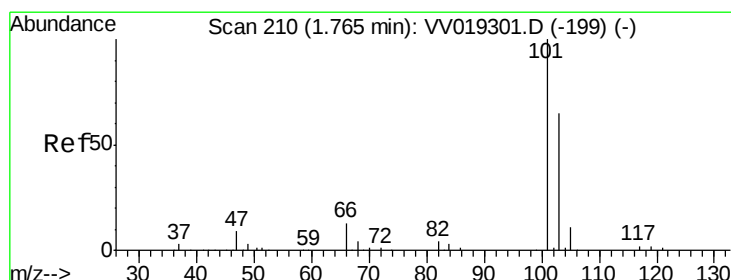
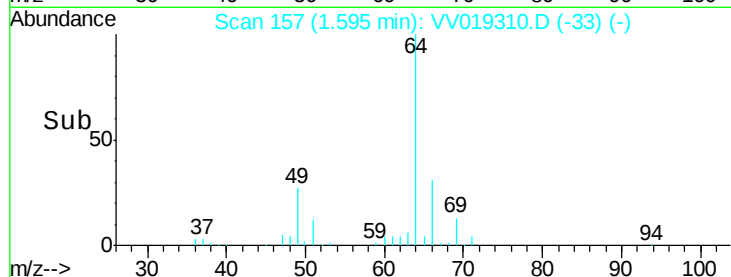
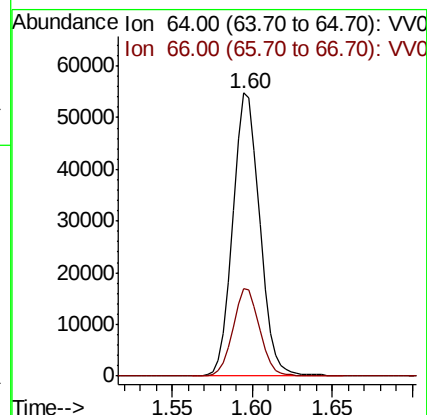
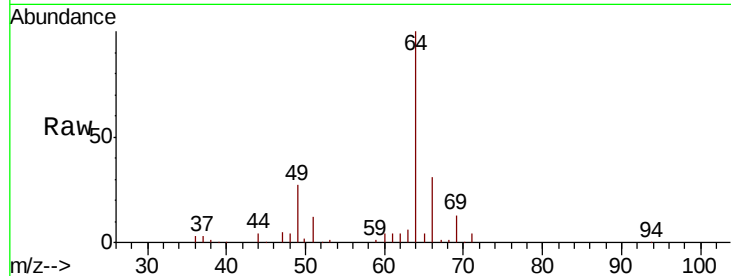




#8
Chloroethane
Concen: 58.537 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

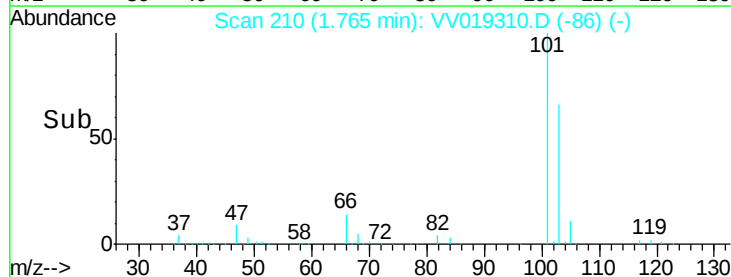
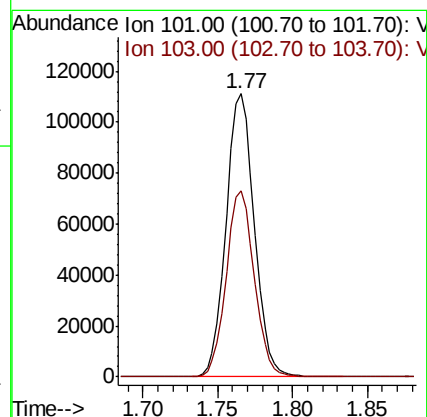
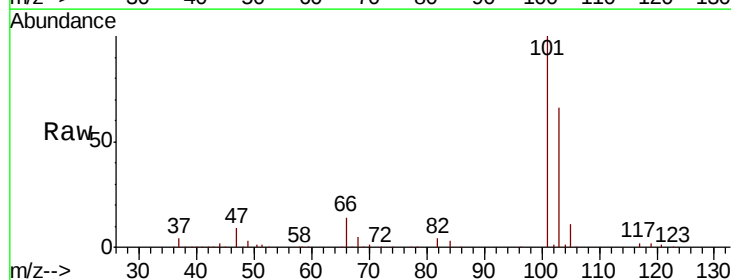
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

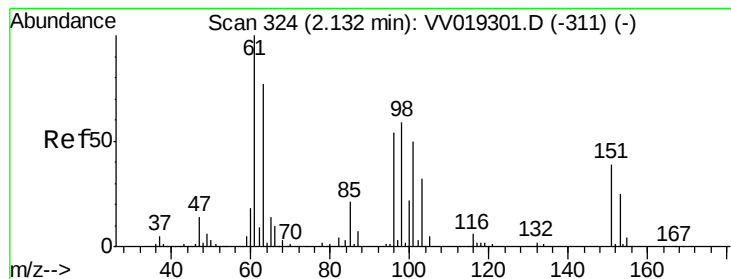
Tot Ion: 64 Resp: 62928
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.810 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Tgt Ion: 101 Resp: 146426
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5





#10

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

Concen: 58.707 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

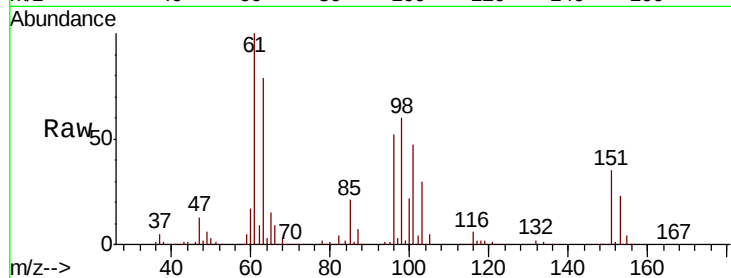
Tot Ion:101 Resp: 75906

Ion Ratio Lower Upper

101 100

85 46.0 35.6 53.4

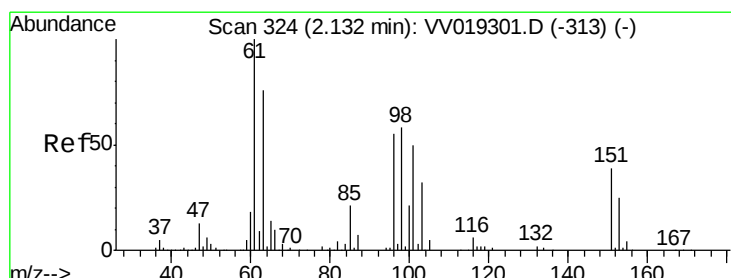
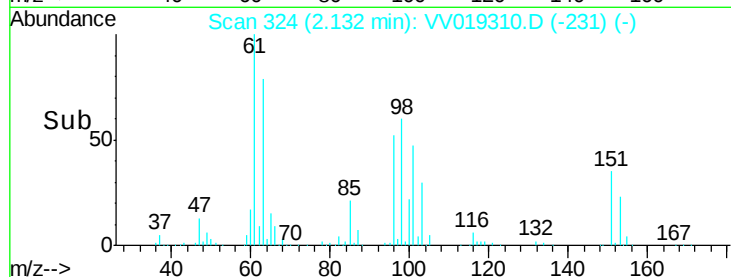
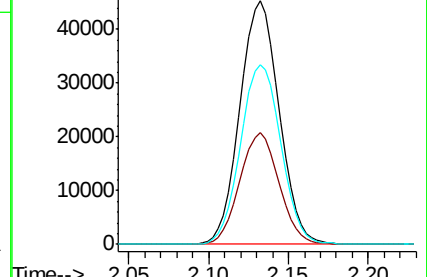
151 76.0 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV019310.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019310.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019310.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 55.428 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

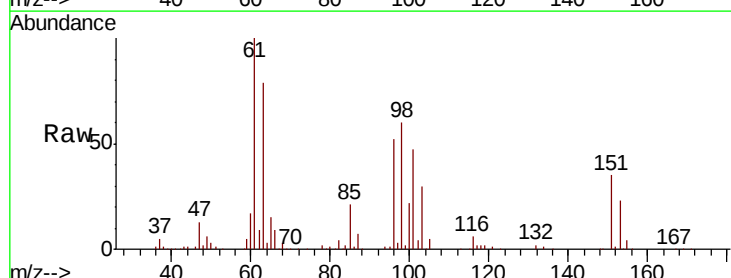
Tgt Ion: 96 Resp: 74071

Ion Ratio Lower Upper

96 100

61 191.4 133.6 248.0

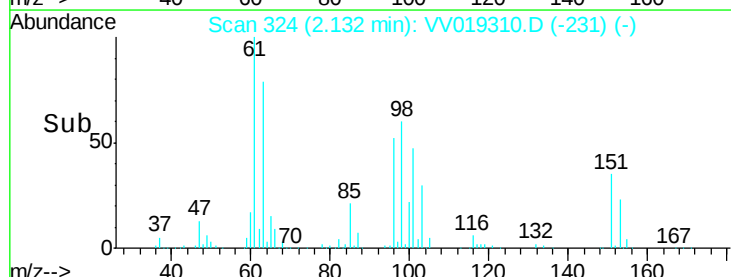
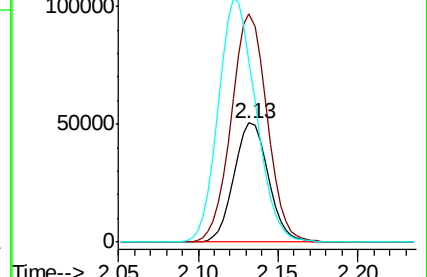
63 151.8 103.0 191.2

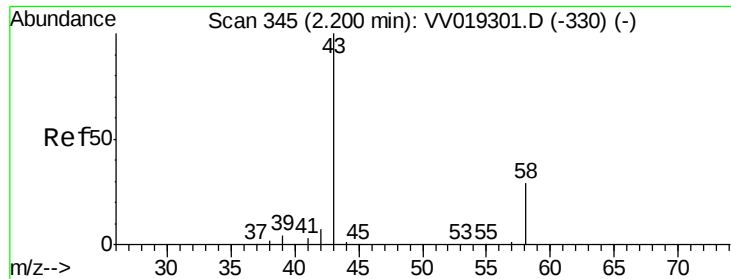


Abundance Ion 96.00 (95.70 to 96.70): VV019310.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019310.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019310.D (-231) (-)





#13

Acetone

Concen: 125.590 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

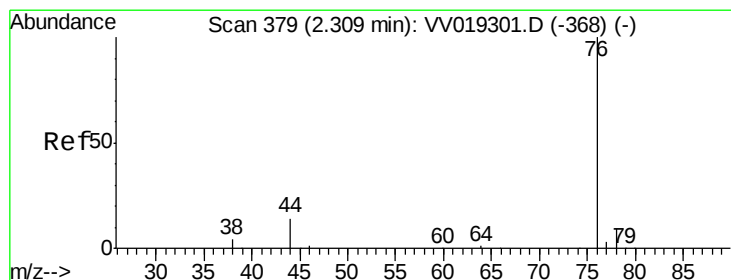
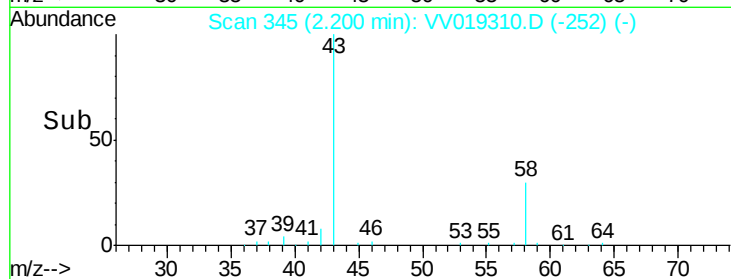
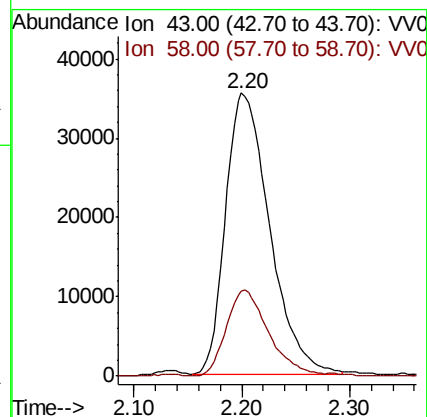
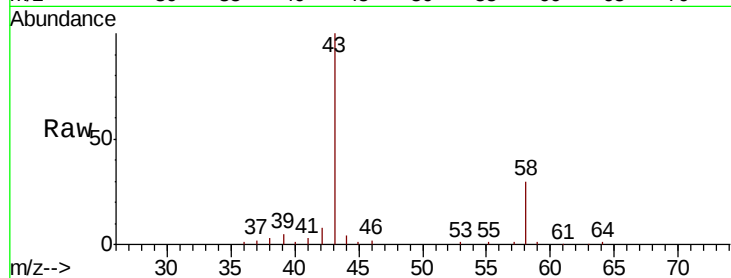
VSTD050316

Tot Ion: 43 Resp: 100606

Ion Ratio Lower Upper

43 100

58 29.5 0.0 57.8



#14

Carbon disulfide

Concen: 49.929 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019310.D

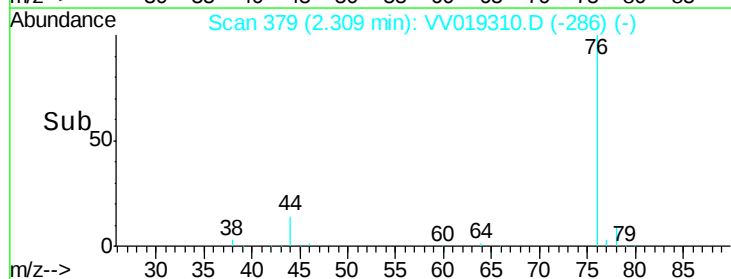
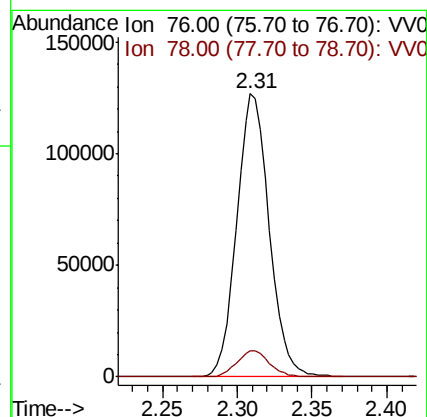
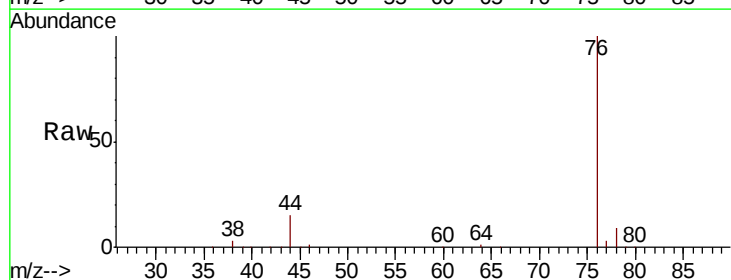
Acq: 09 Nov 2020 18:46

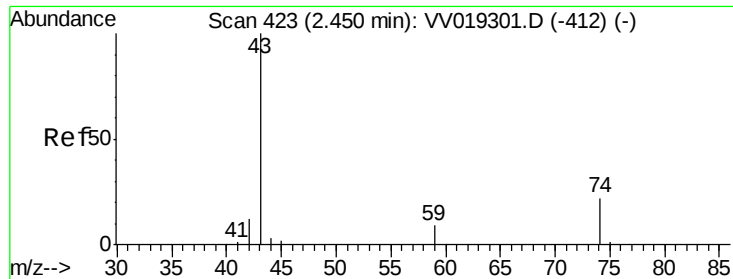
Tgt Ion: 76 Resp: 191591

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methvl Acetate

Concen: 59.356 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

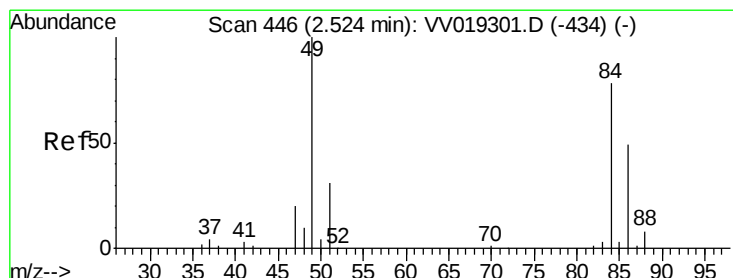
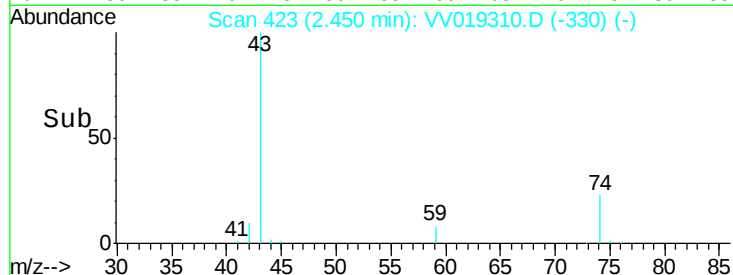
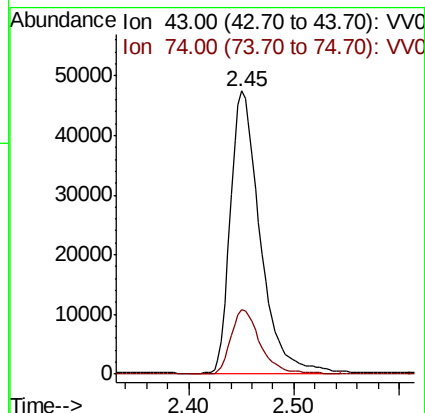
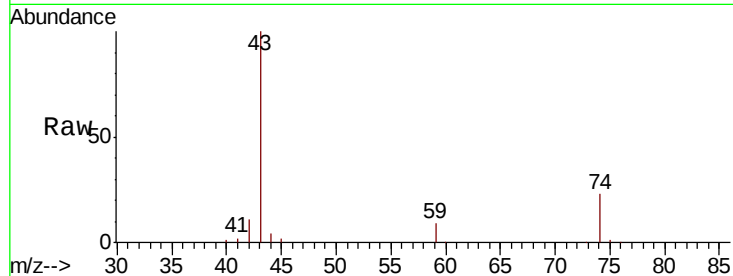
VSTD050316

Tot Ion: 43 Resp: 92130

Ion Ratio Lower Upper

43 100

74 22.7 18.8 28.2



#16

Methylene chloride

Concen: 54.819 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

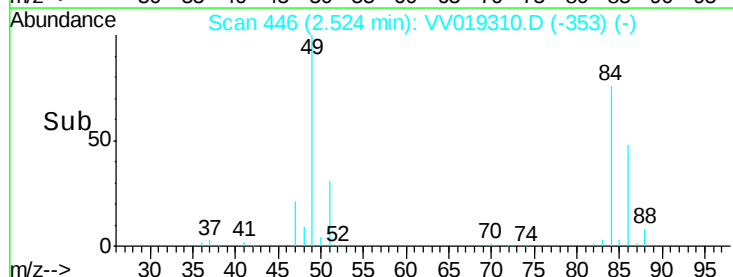
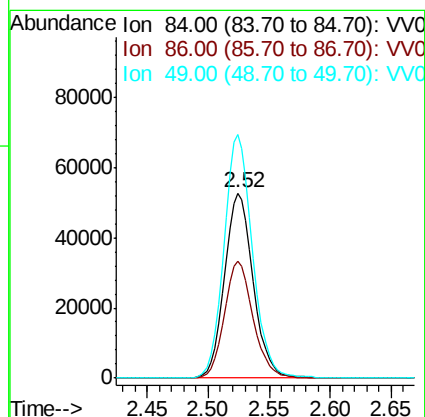
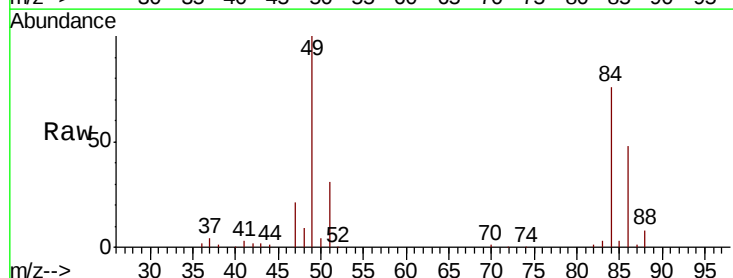
Tgt Ion: 84 Resp: 87084

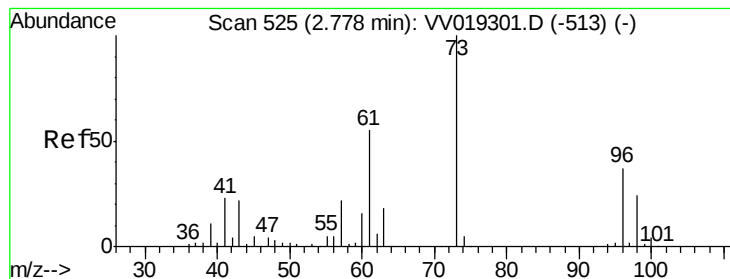
Ion Ratio Lower Upper

84 100

86 63.3 45.6 84.8

49 131.6 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 52.329 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

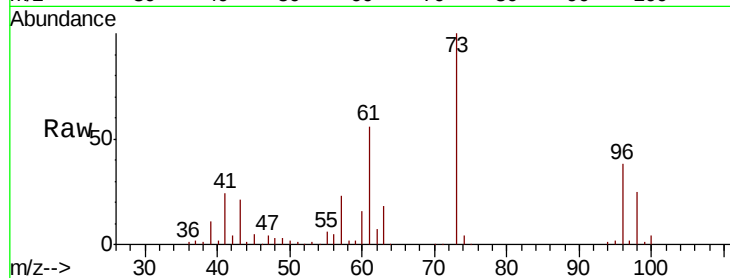
Tot Ion: 96 Resp: 75863

Ion Ratio Lower Upper

96 100

61 147.2 100.7 187.1

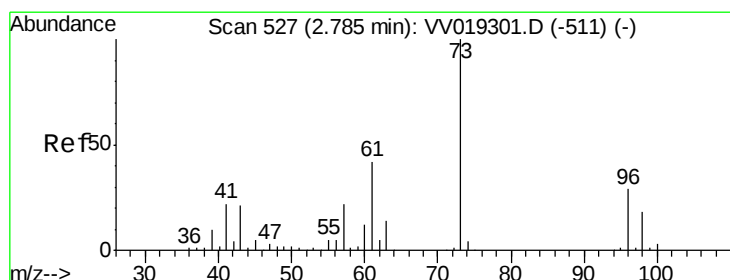
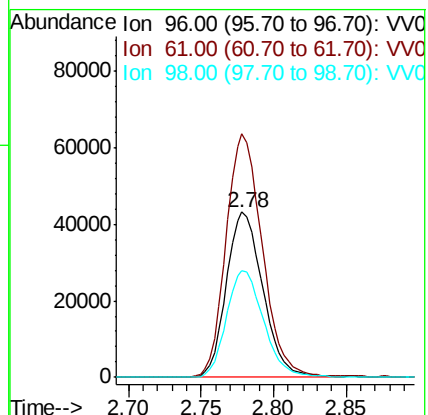
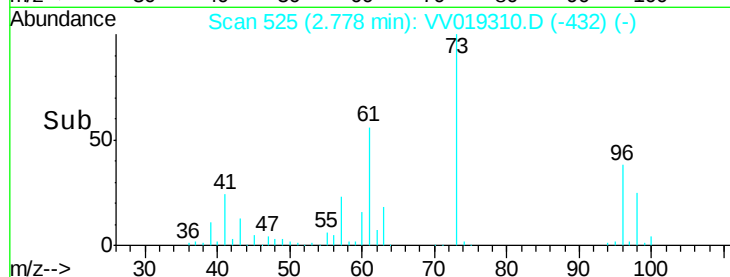
98 64.8 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.408 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

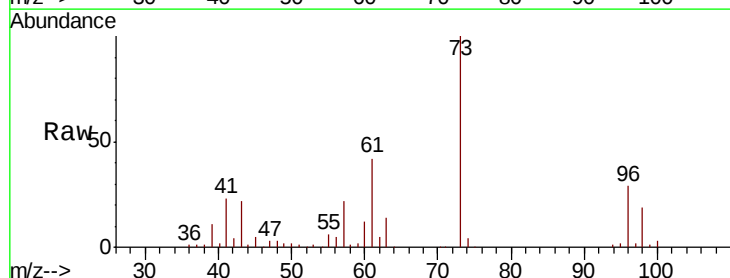
Tgt Ion: 73 Resp: 272163

Ion Ratio Lower Upper

73 100

43 21.5 17.9 26.9

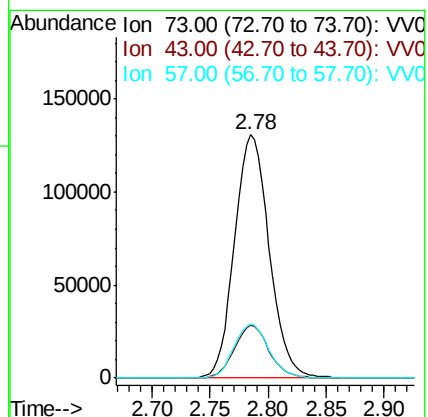
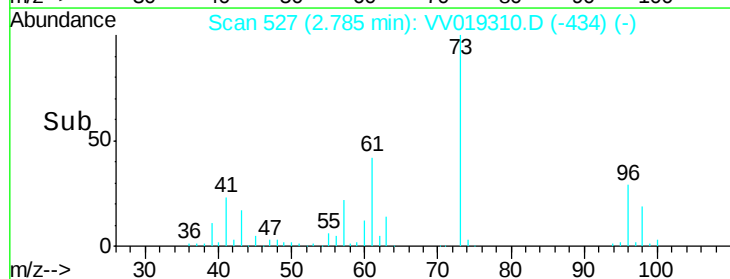
57 22.2 17.1 25.7

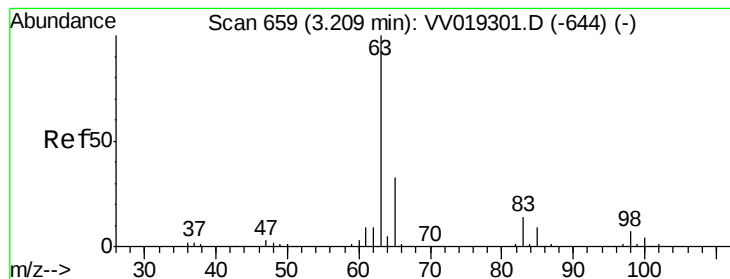


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 55.442 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

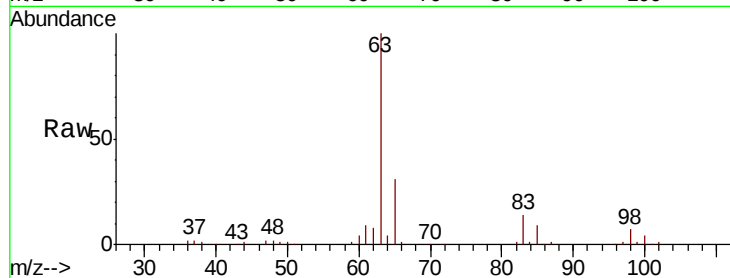
Tot Ion: 63 Resp: 157479

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.6

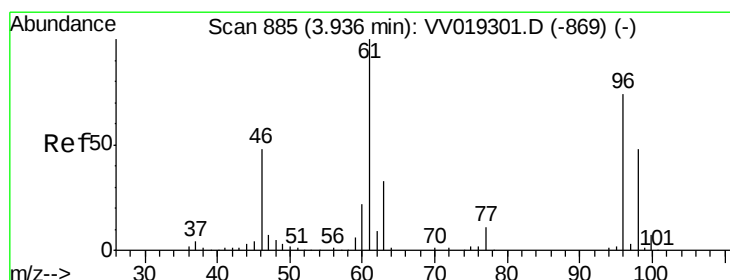
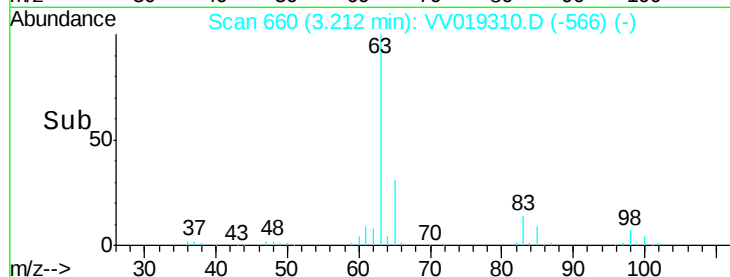
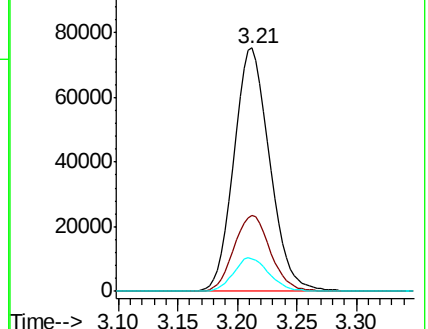
83 13.6 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 53.854 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

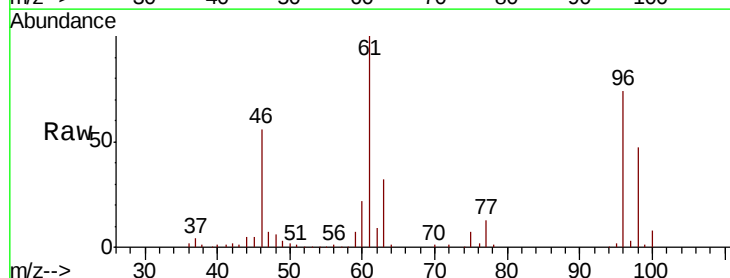
Tgt Ion: 96 Resp: 86279

Ion Ratio Lower Upper

96 100

61 134.6 95.6 177.6

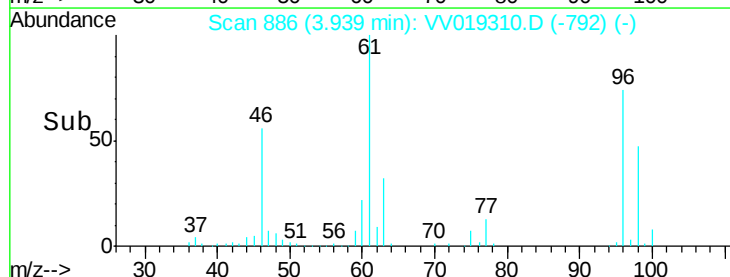
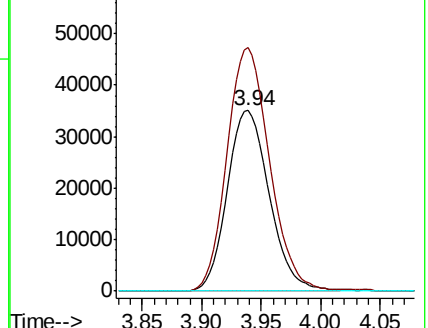
68 0.0 0.0 0.0

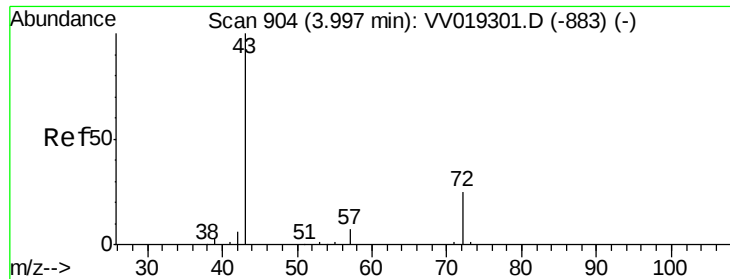


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 126.900 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

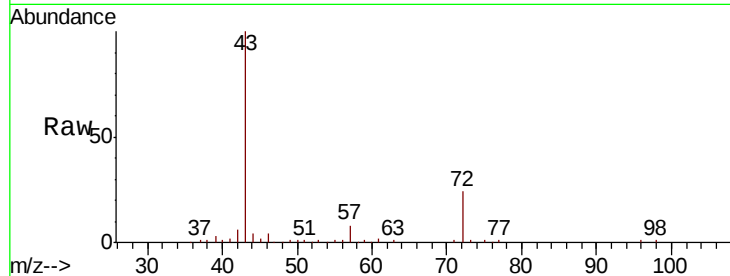
VSTD050316

Tot Ion: 43 Resp: 129037

Ion Ratio Lower Upper

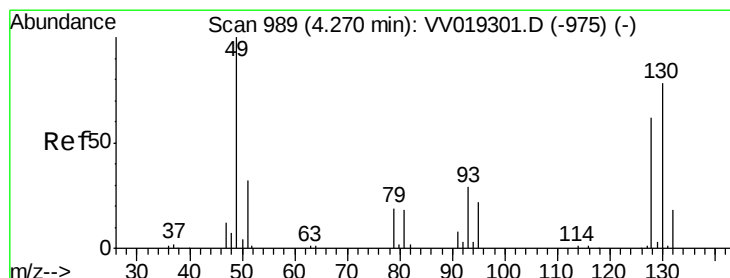
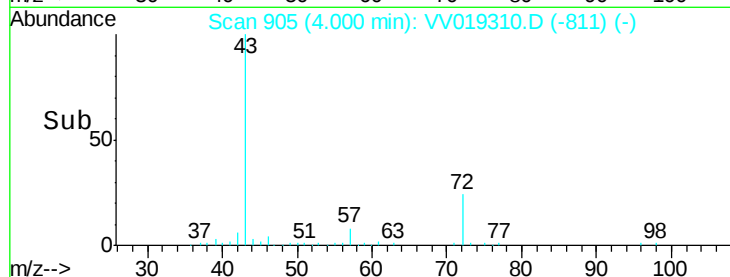
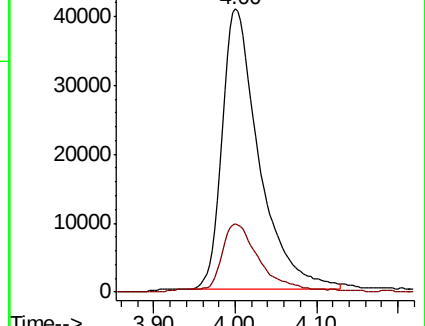
43 100

72 23.2 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV019310.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV019310.D (-883) (-)



#23

Bromochloromethane

Concen: 52.255 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Tgt Ion: 128 Resp: 46095

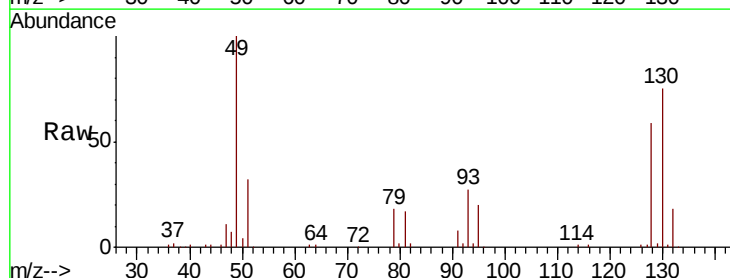
Ion Ratio Lower Upper

128 100

49 168.6 108.8 202.2

130 126.6 88.5 164.3

51 53.4 37.8 56.6

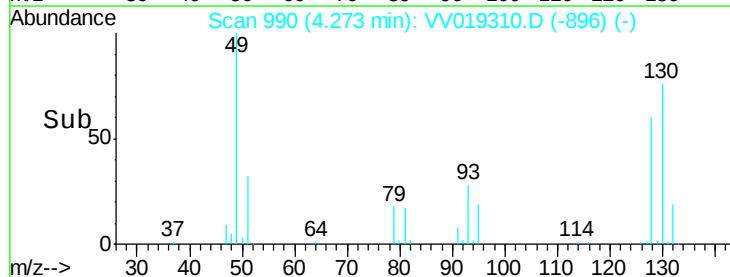
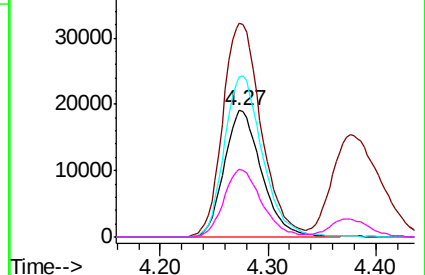


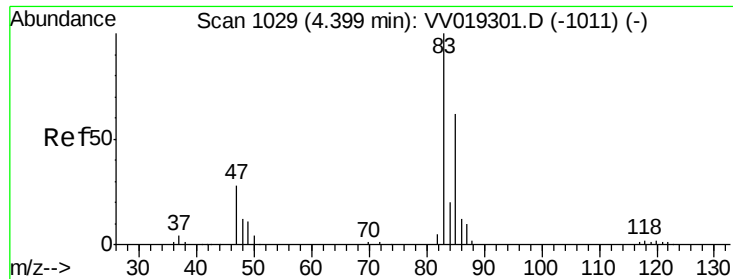
Abundance Ion 128.00 (127.70 to 128.70): VV019310.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV019310.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV019310.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV019310.D (-975) (-)

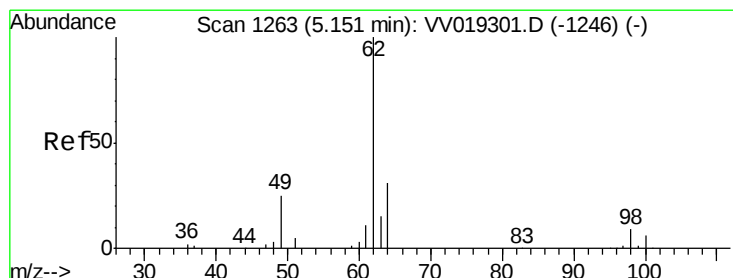
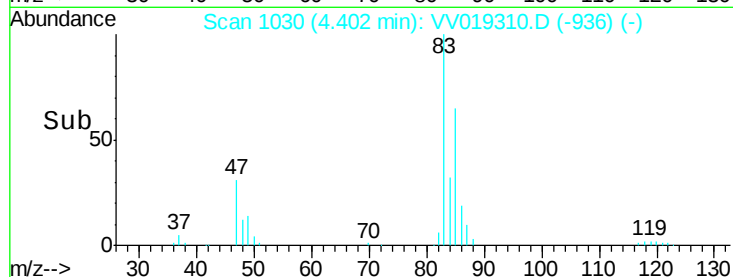
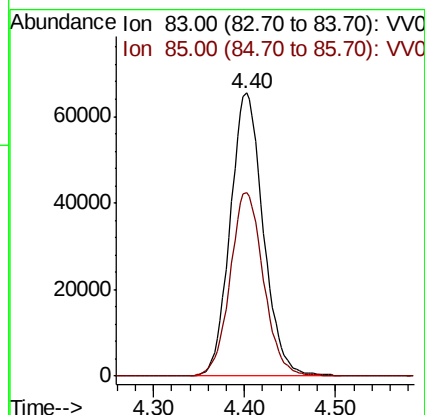
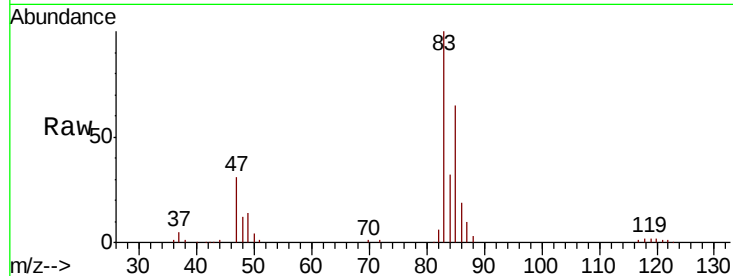




#25
Chloroform
Concen: 54.217 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

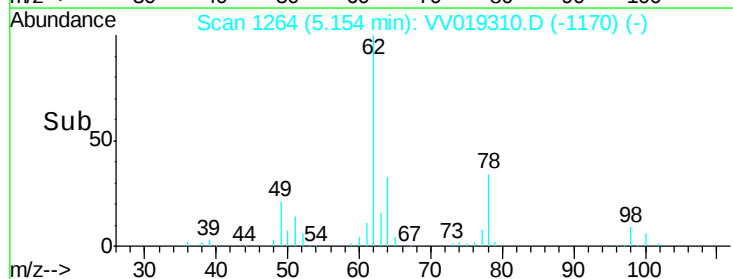
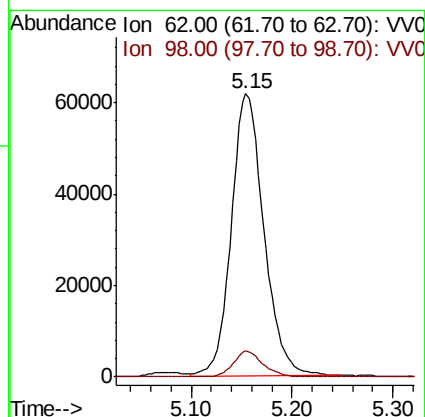
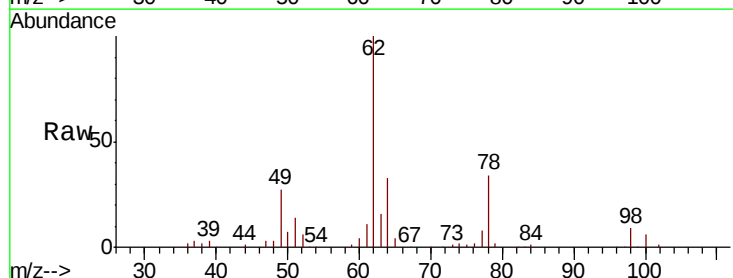
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

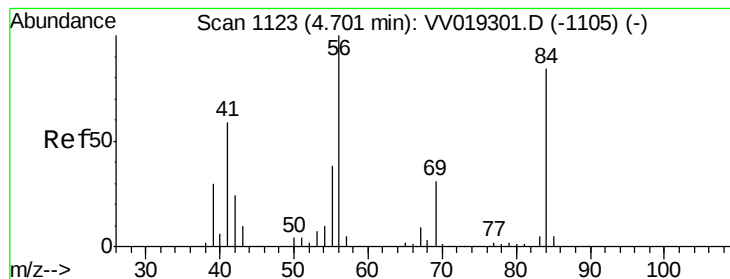
Tot Ion: 83 Resp: 165106
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 53.485 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Tgt Ion: 62 Resp: 138451
Ion Ratio Lower Upper
62 100
98 9.3 6.8 10.2





#29

Cyclohexane

Concen: 55.134 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

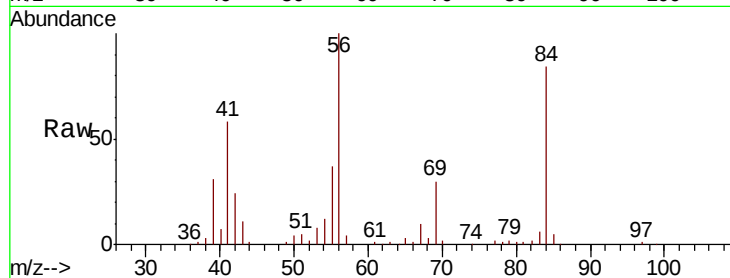
Tot Ion: 56 Resp: 114319

Ion Ratio Lower Upper

56 100

69 29.9 24.6 36.8

84 85.4 70.5 105.7

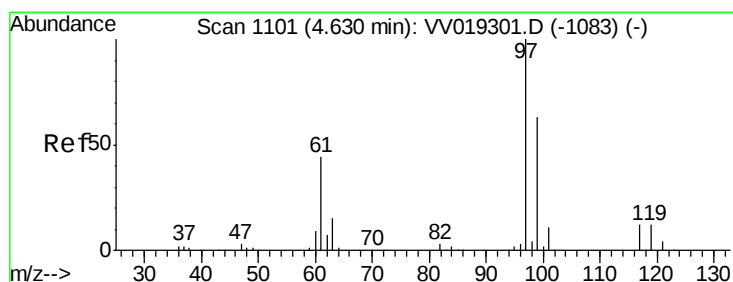
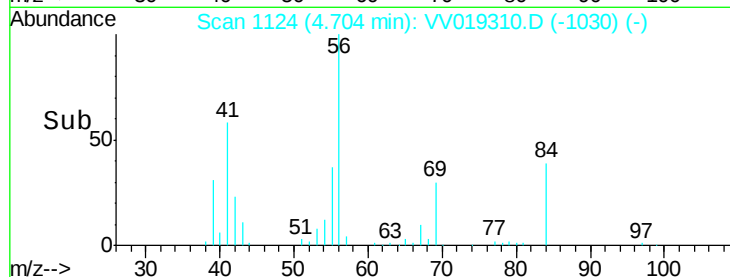
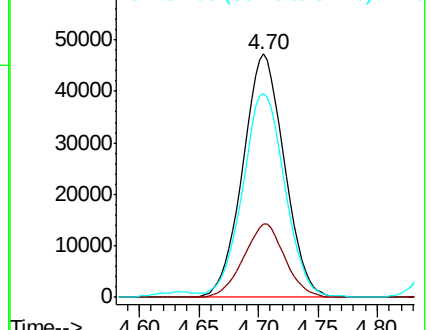


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.860 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

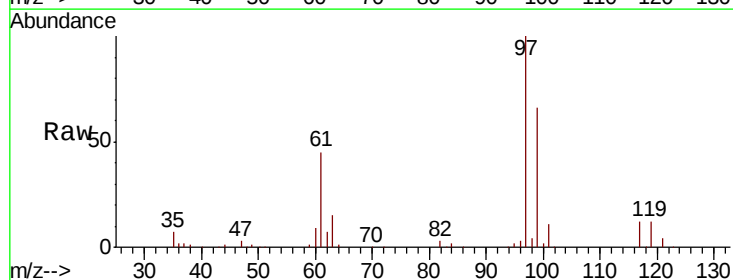
Tgt Ion: 97 Resp: 145727

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 45.3 35.3 52.9

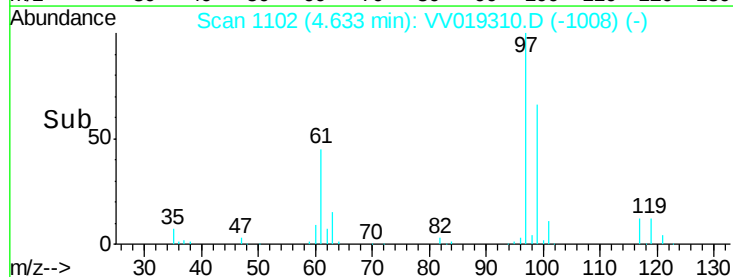
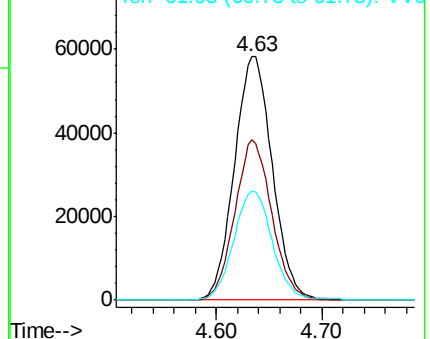


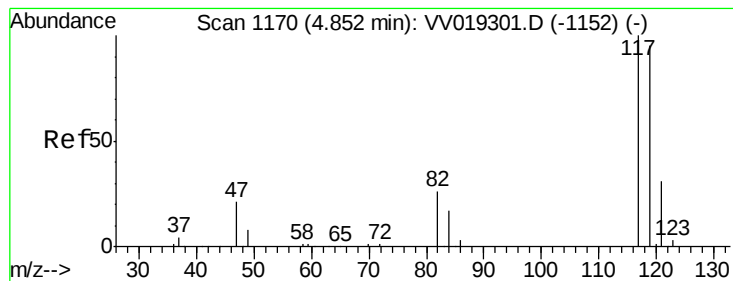
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.959 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

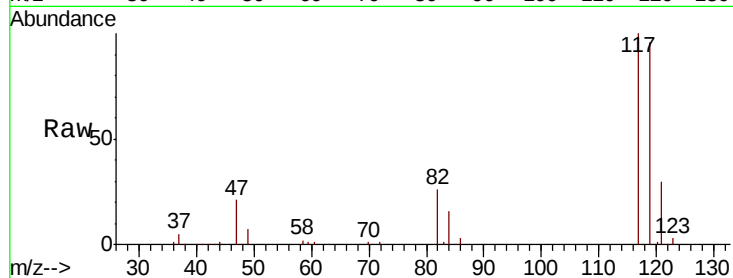
VSTD050316

Tot Ion:117 Resp: 126068

Ion Ratio Lower Upper

117 100

119 94.7 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

60000

50000

40000

30000

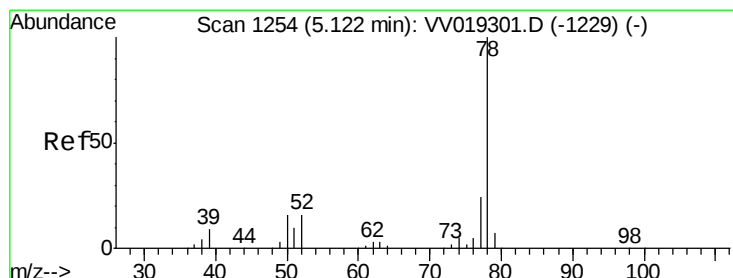
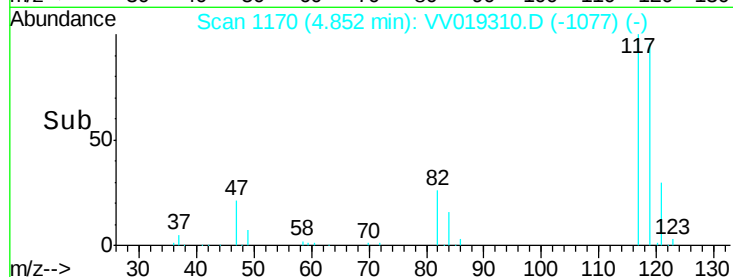
20000

10000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 54.939 ug/L

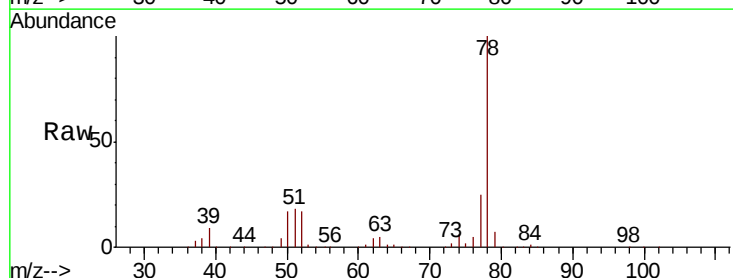
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Tgt Ion: 78 Resp: 330809



Abundance Ion 78.00 (77.70 to 78.70): VV0

150000

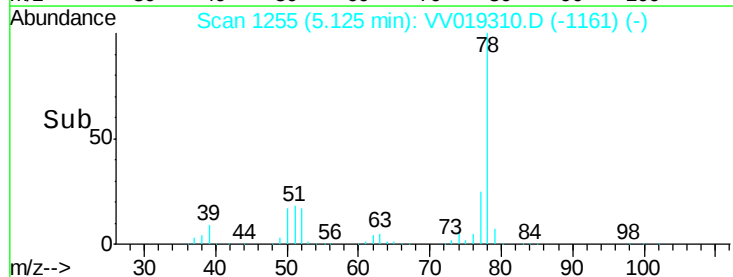
100000

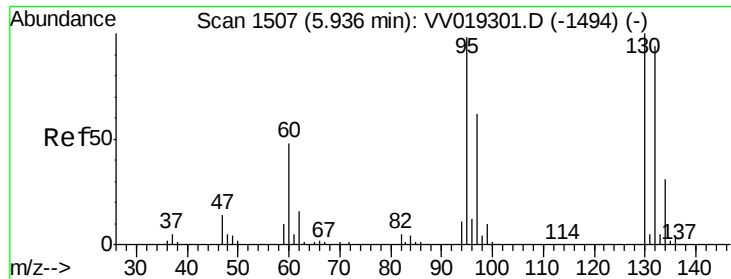
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 53.894 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

Tot Ion: 95 Resp: 88190

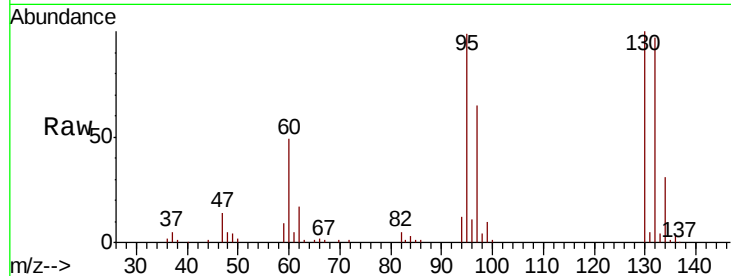
Ion Ratio Lower Upper

95 100

97 65.7 45.4 84.4

132 98.0 68.5 127.3

130 100.6 72.0 133.6

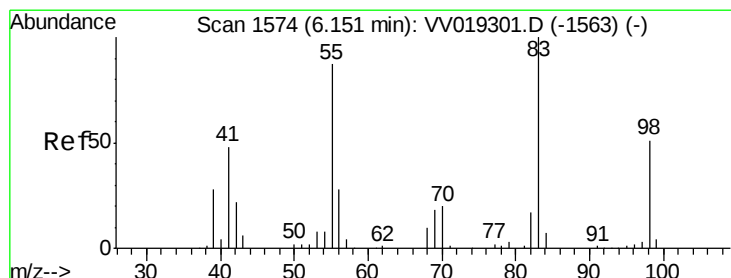
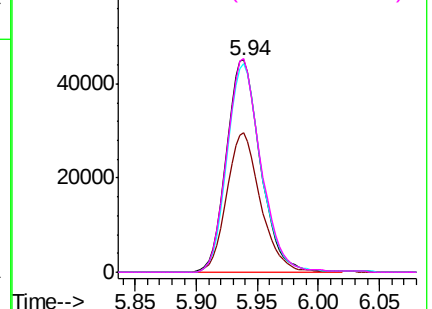
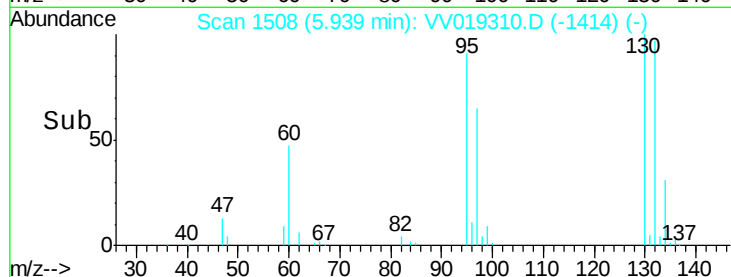


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.898 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

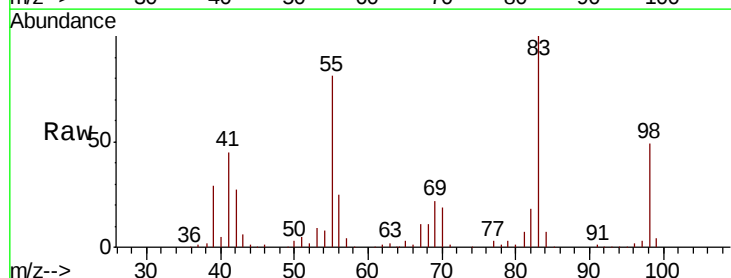
Tgt Ion: 83 Resp: 108732

Ion Ratio Lower Upper

83 100

55 81.5 62.8 94.2

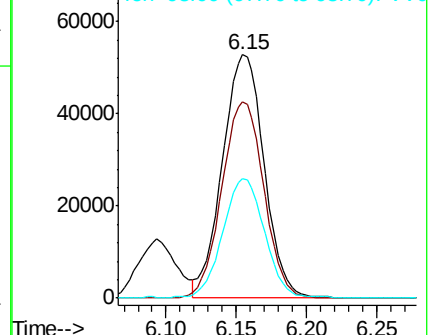
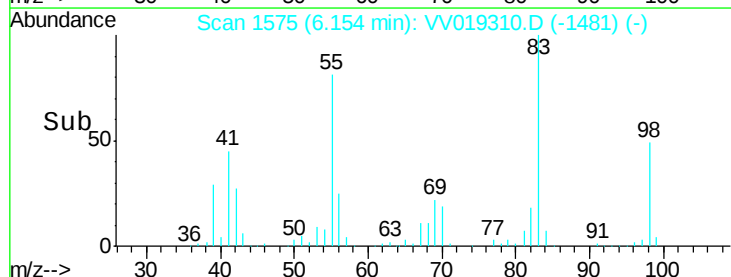
98 48.7 38.6 58.0

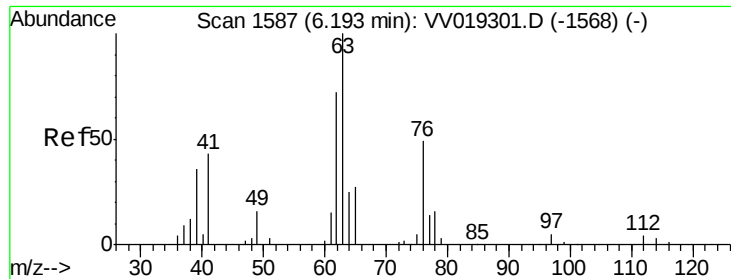


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

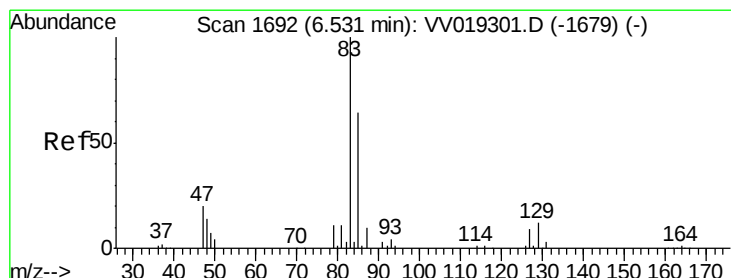
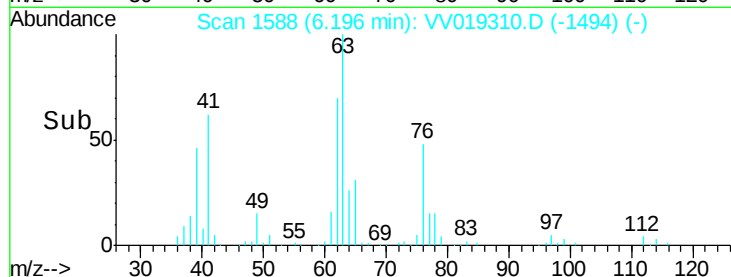
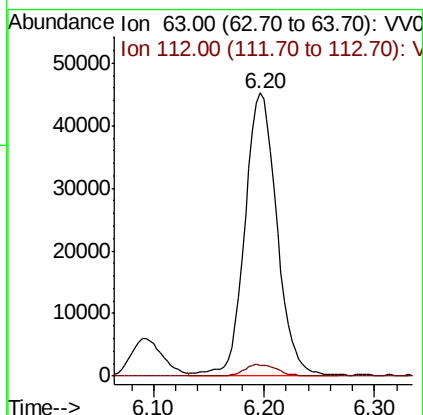
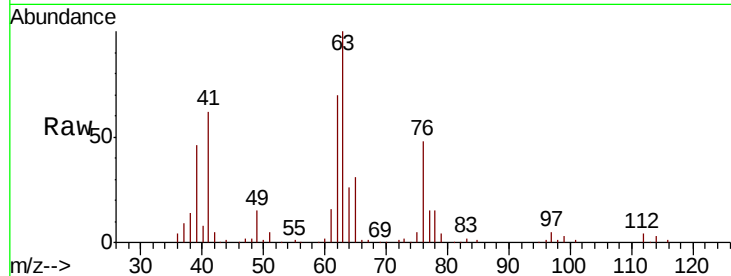




#37
 1,2-Dichloropropane
 Concen: 56.436 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

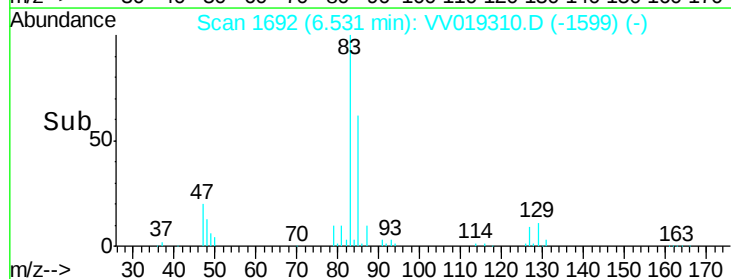
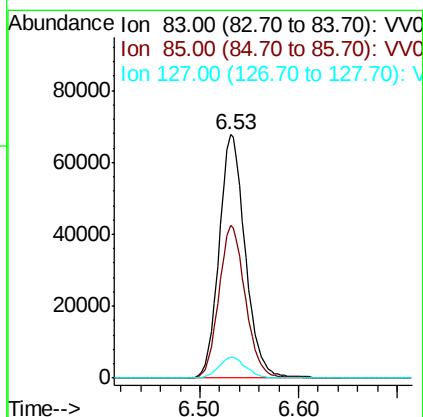
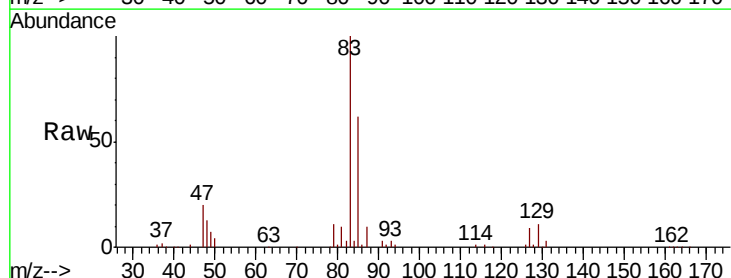
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

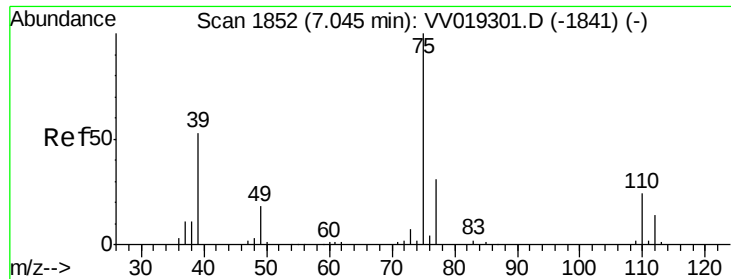
Tot Ion: 63 Resp: 90693
 Ion Ratio Lower Upper
 63 100
 112 4.3 4.2 6.2



#38
 Bromodichloromethane
 Concen: 54.504 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Tgt Ion: 83 Resp: 126051
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.0 81.8
 127 8.6 7.3 10.9

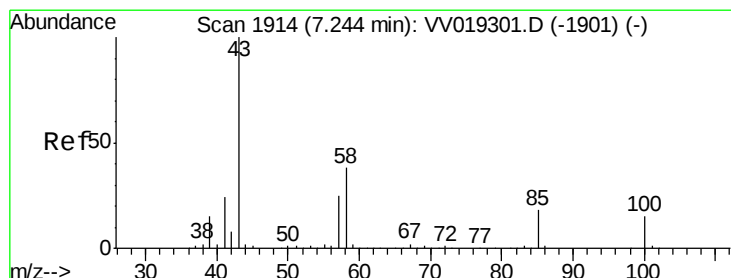
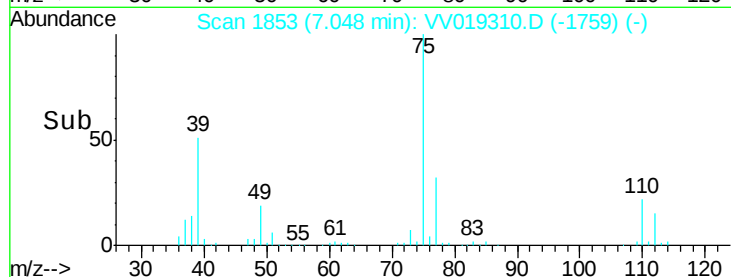
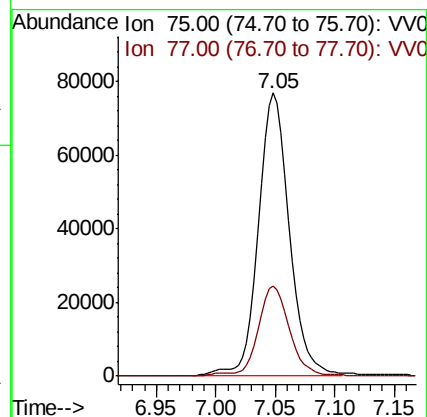
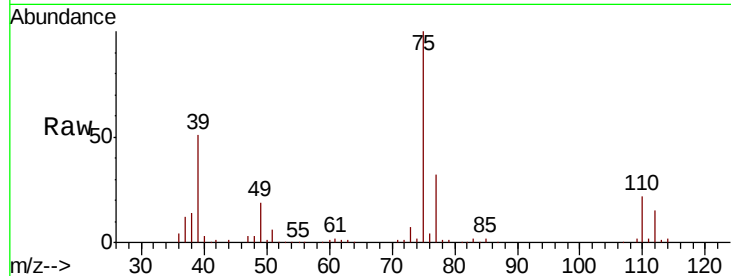




#39
 cis-1,3-Dichloropropene
 Concen: 54.186 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

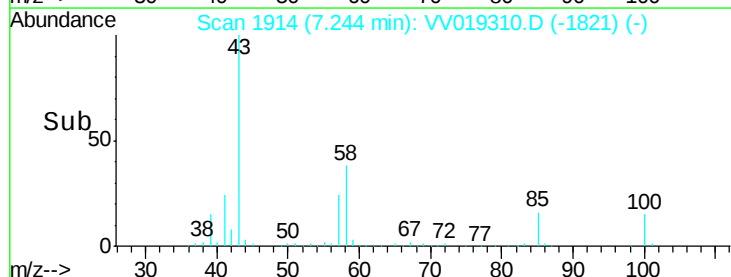
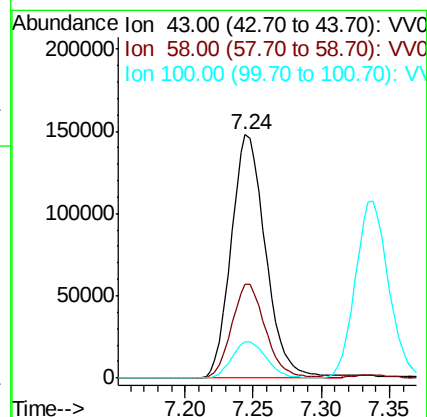
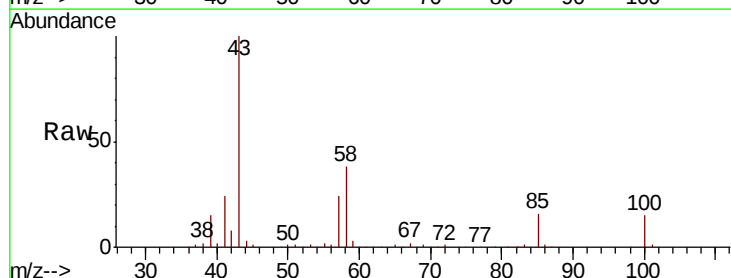
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

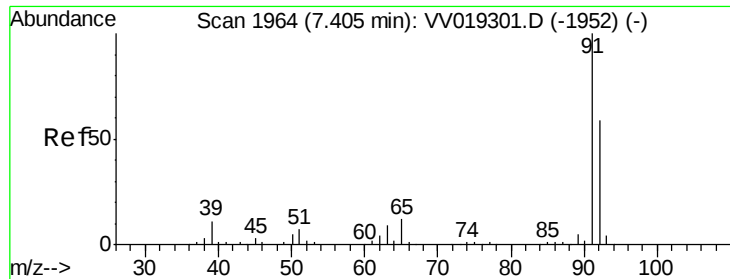
Tot Ion: 75 Resp: 139330
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 120.423 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Tgt Ion: 43 Resp: 259974
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.5 45.7
 100 15.0 12.7 19.1





#42

Toluene

Concen: 54.155 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

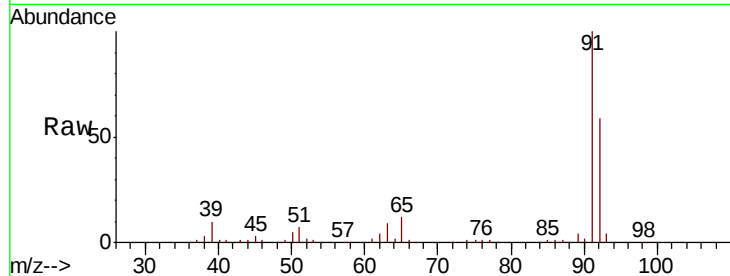
VSTD050316

Tot Ion: 91 Resp: 352473

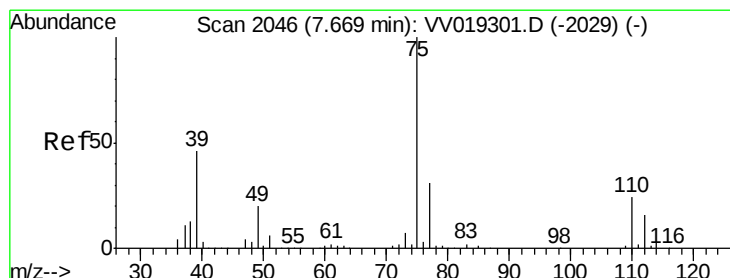
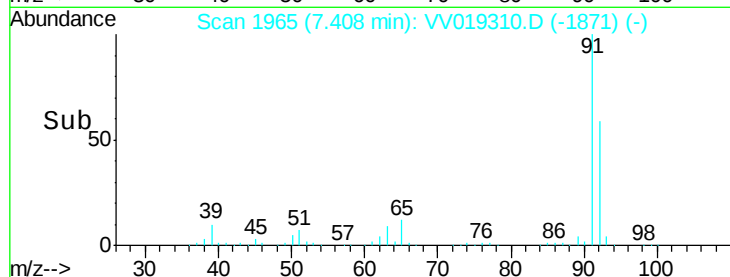
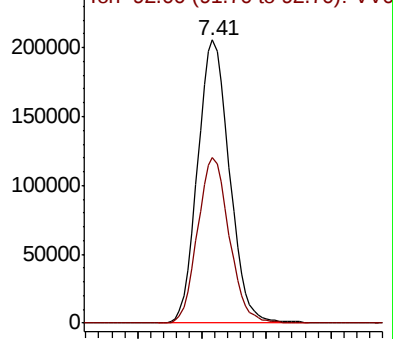
Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019310.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 54.336 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019310.D

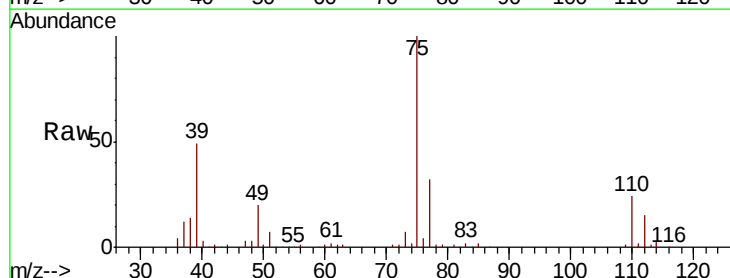
Acq: 09 Nov 2020 18:46

Tgt Ion: 75 Resp: 143172

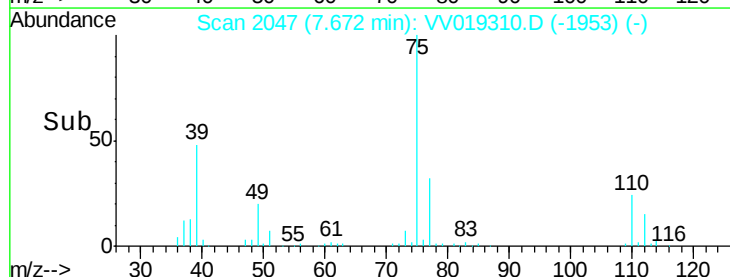
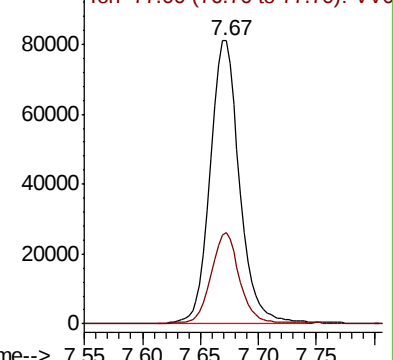
Ion Ratio Lower Upper

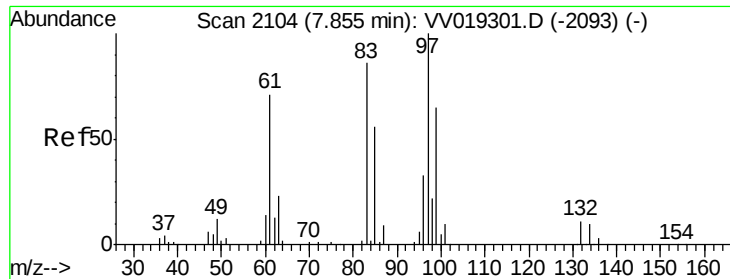
75 100

77 32.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV019310.D (-2029) (-)

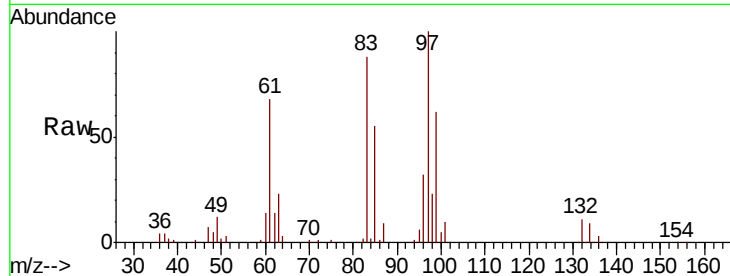




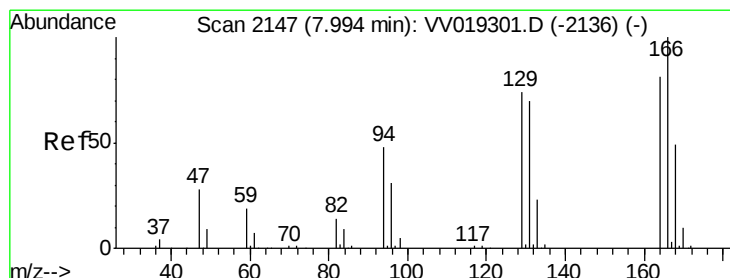
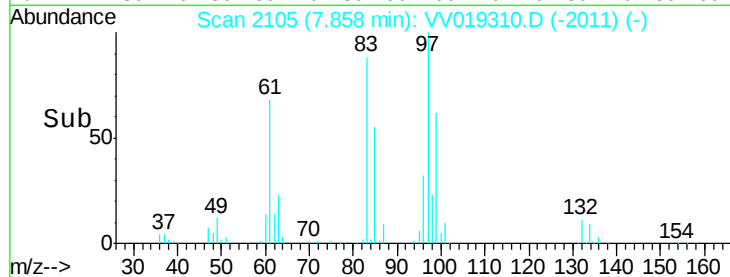
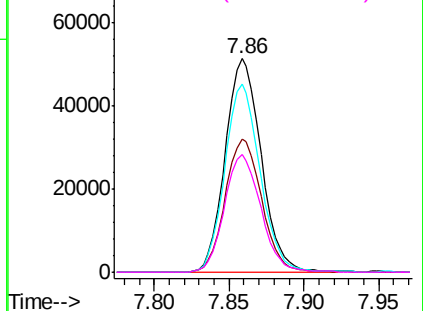
#45
 1,1,2-Trichloroethane
 Concen: 54.315 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

Tot Ion:	97	Resp:	86272
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.1	83.9
83	88.0	57.6	107.0
85	55.1	37.8	70.2

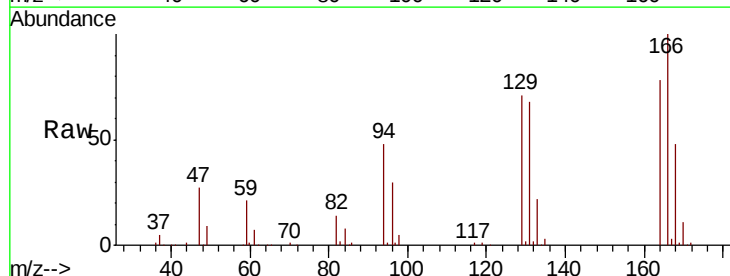


Abundance Ion 97.00 (96.70 to 97.70): VV019310.D (-2105) (-)

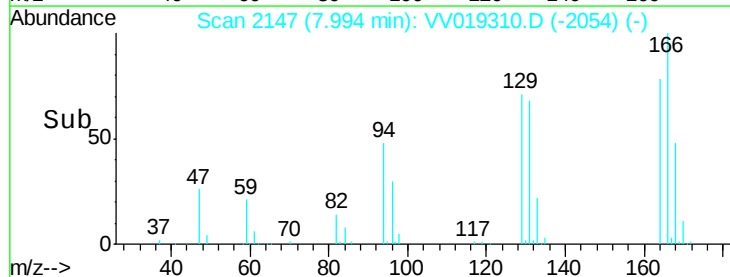
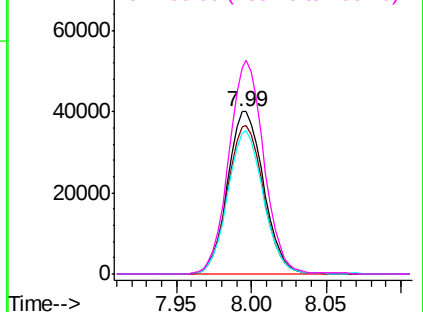


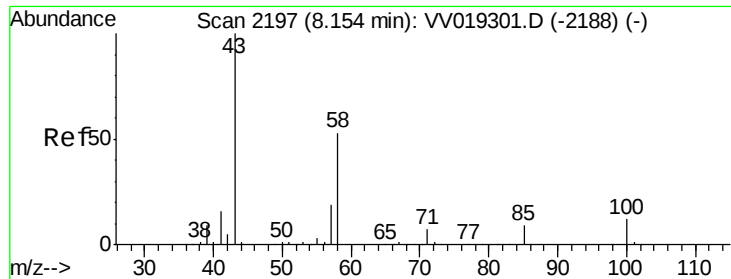
#46
 Tetrachloroethene
 Concen: 50.432 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Tgt Ion:	164	Resp:	67336
Ion	Ratio	Lower	Upper
164	100		
129	90.9	62.6	116.3
131	86.9	59.0	109.6
166	127.4	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV019310.D (-2147) (-)

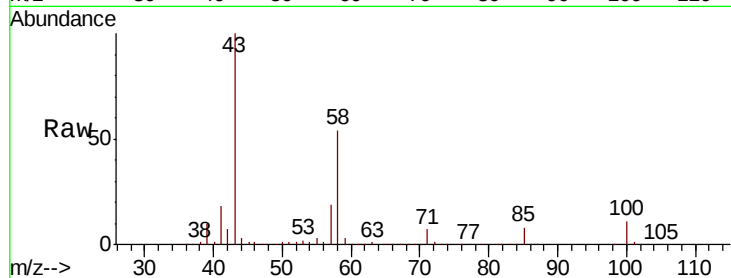




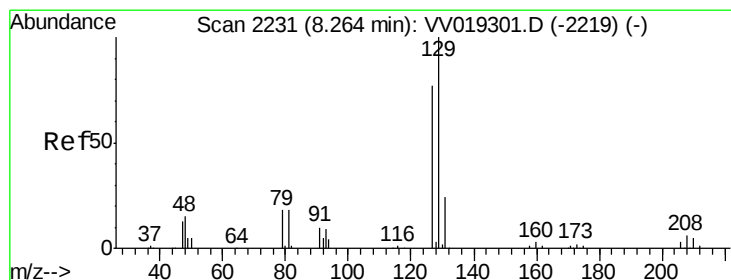
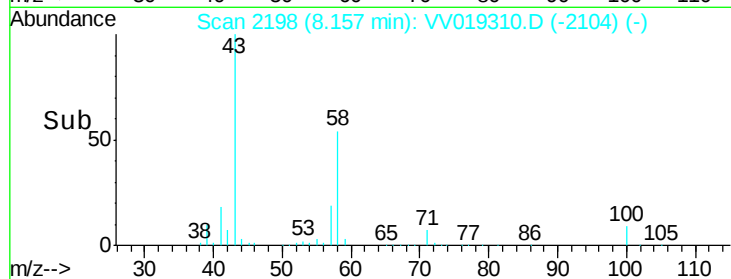
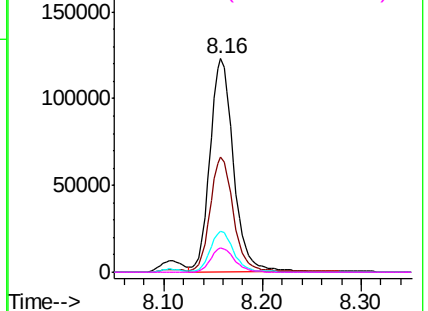
#48
2-Hexanone
Concen: 125.030 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

Tot Ion: 43 Resp: 204067
Ion Ratio Lower Upper
43 100
58 52.9 42.6 63.8
57 18.8 15.8 23.8
100 11.8 10.4 15.6

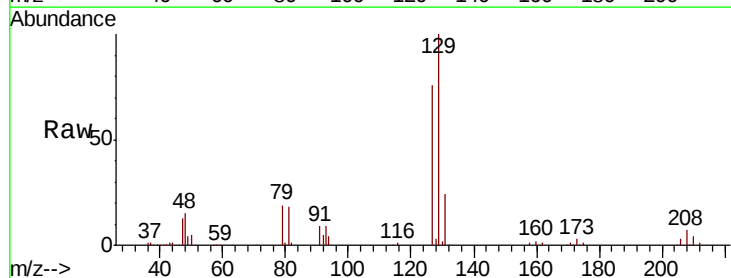


Abundance Ion 43.00 (42.70 to 43.70): VV019310.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019310.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019310.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019310.D (-2188) (-)

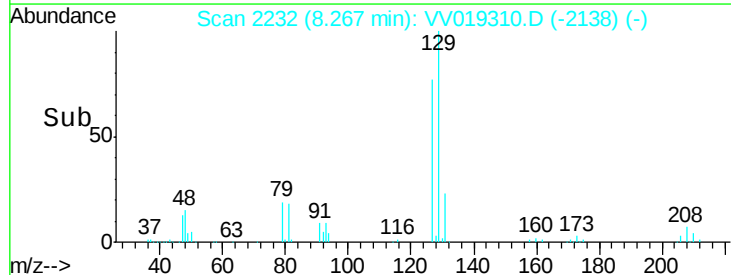
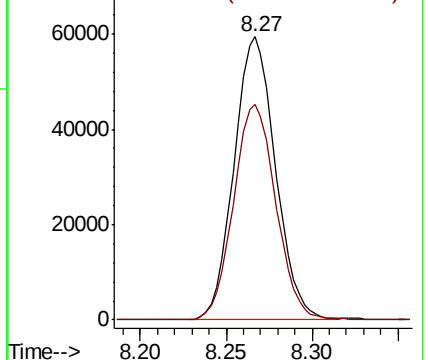


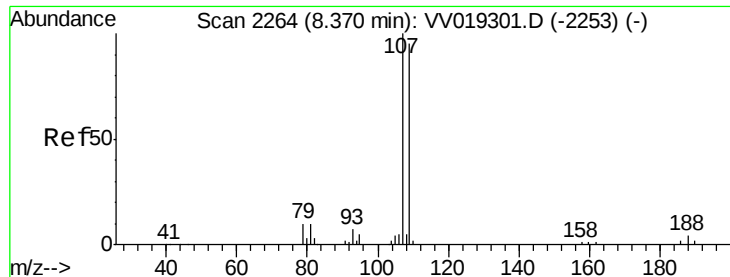
#49
Dibromochloromethane
Concen: 52.482 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Tgt Ion: 129 Resp: 99415
Ion Ratio Lower Upper
129 100
127 76.3 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV019301.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019301.D (-2219) (-)

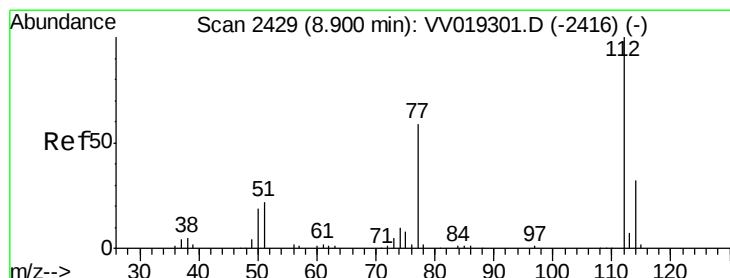
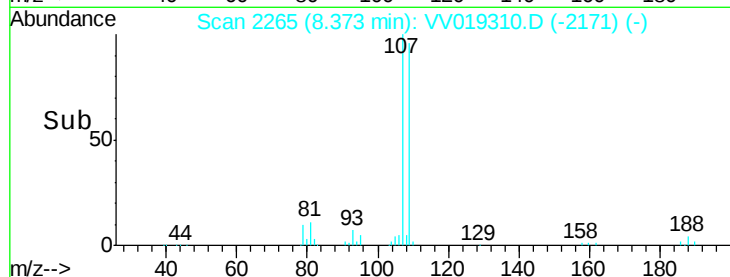
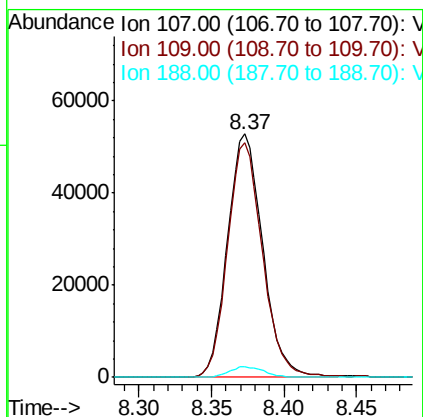
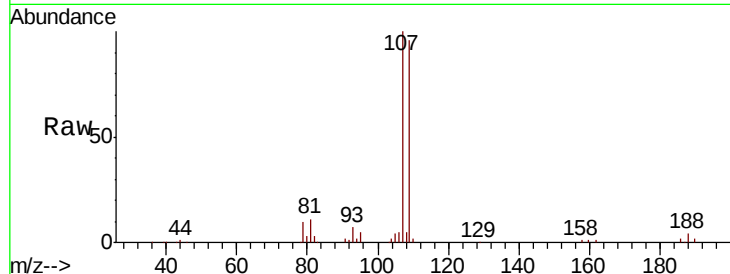




#50
1,2-Dibromoethane
Concen: 54.119 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

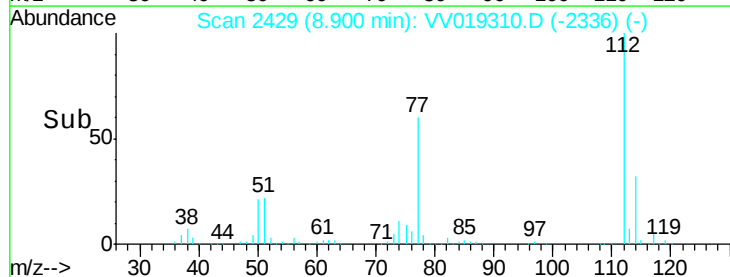
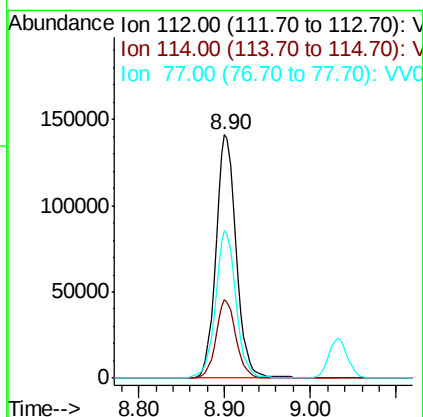
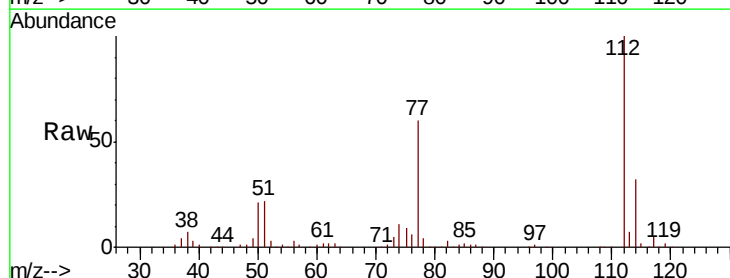
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

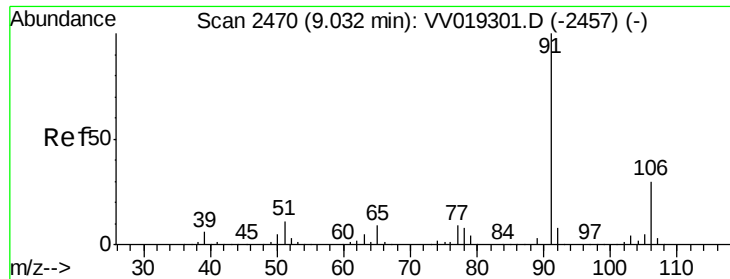
Tot Ion:107 Resp: 89100
Ion Ratio Lower Upper
107 100
109 96.3 64.8 120.4
188 4.2 3.8 5.8



#51
Chlorobenzene
Concen: 52.955 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Tgt Ion:112 Resp: 230549
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.1
77 60.4 47.3 70.9





#52

Ethylbenzene

Concen: 53.251 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

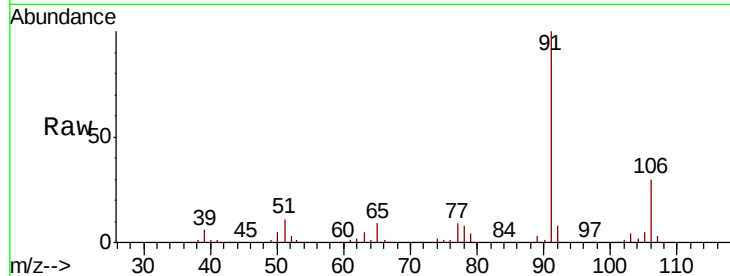
VSTD050316

Tot Ion: 91 Resp: 382390

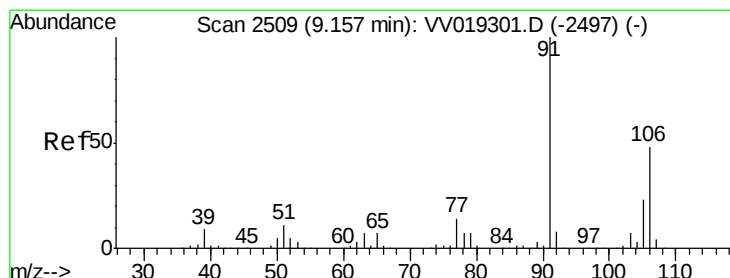
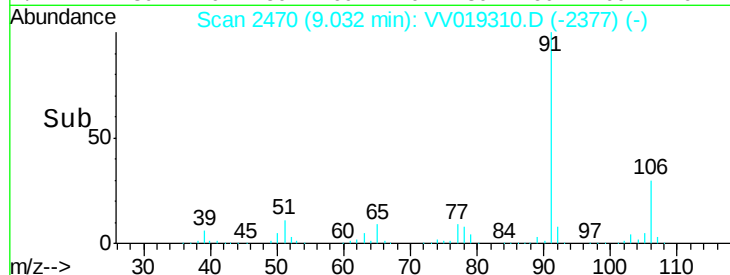
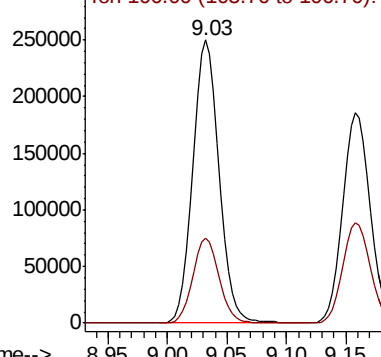
Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019310.D (-2377) (-)



#53

m,p-Xylene

Concen: 53.083 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019310.D

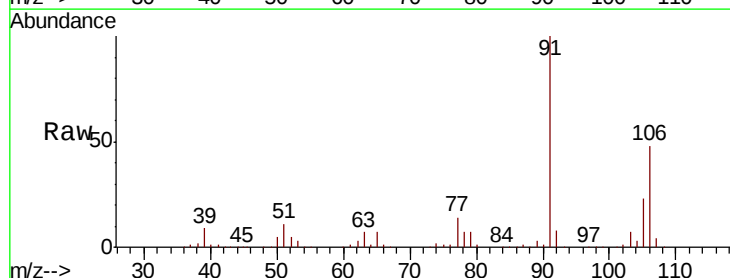
Acq: 09 Nov 2020 18:46

Tgt Ion: 106 Resp: 142707

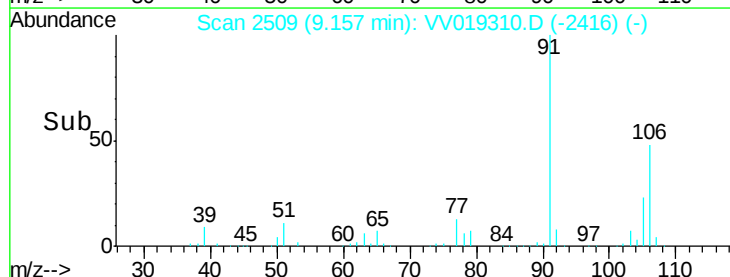
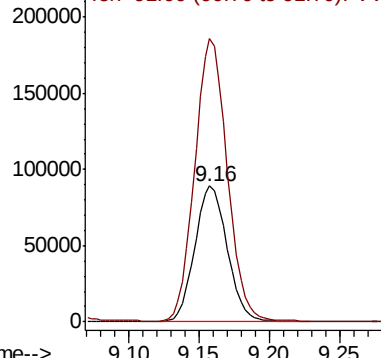
Ion Ratio Lower Upper

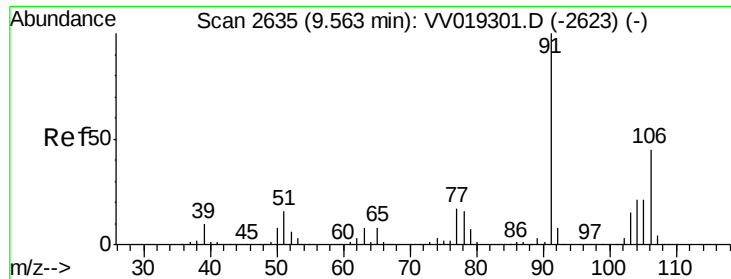
106 100

91 208.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019310.D (-2416) (-)

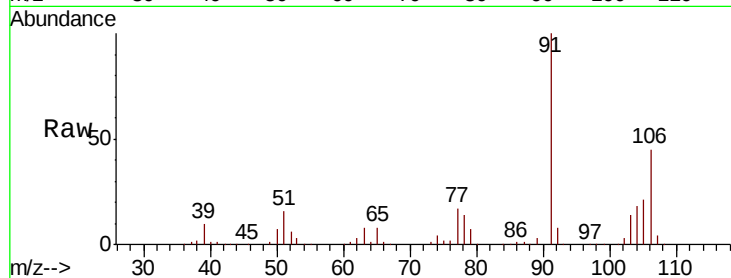




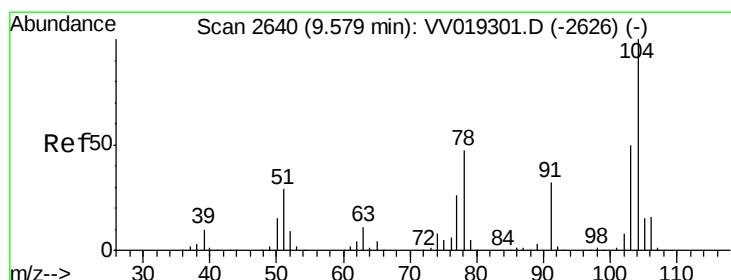
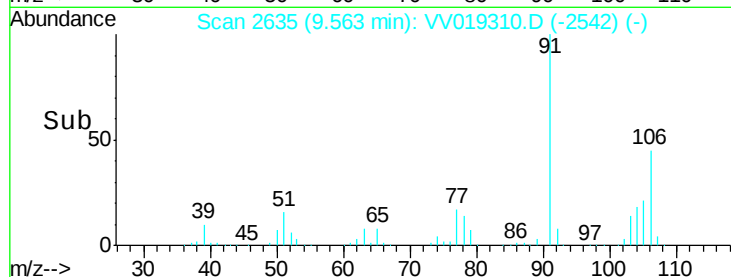
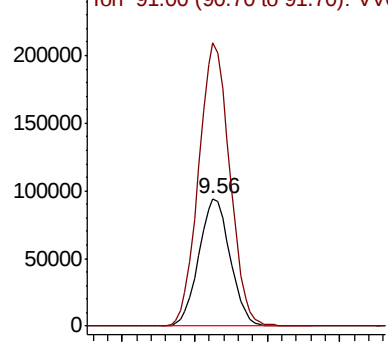
#54
o-Xylene
Concen: 53.193 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

Tot Ion:106 Resp: 140957
Ion Ratio Lower Upper
106 100
91 222.1 151.6 281.6

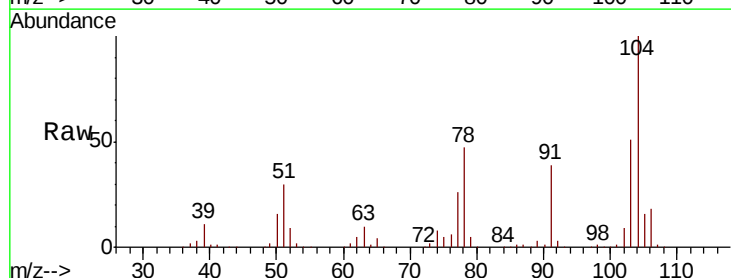


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

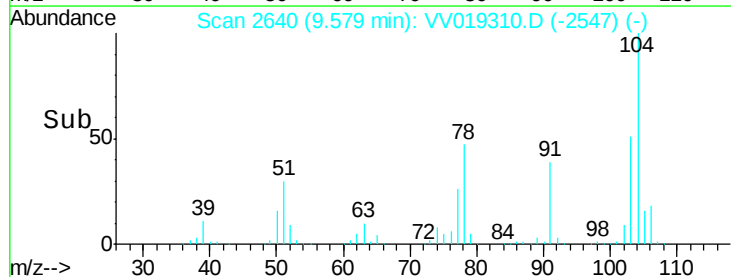
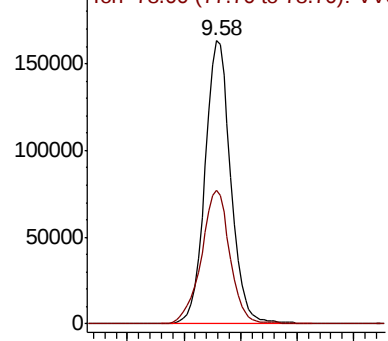


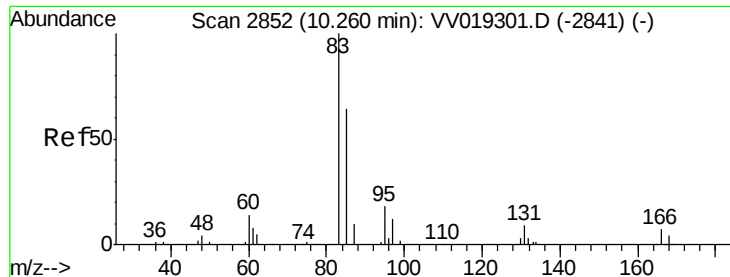
#55
Styrene
Concen: 54.847 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Tgt Ion:104 Resp: 258706
Ion Ratio Lower Upper
104 100
78 47.3 32.6 60.5



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





#57

1,1,2,2-Tetrachloroethane

Concen: 54.536 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

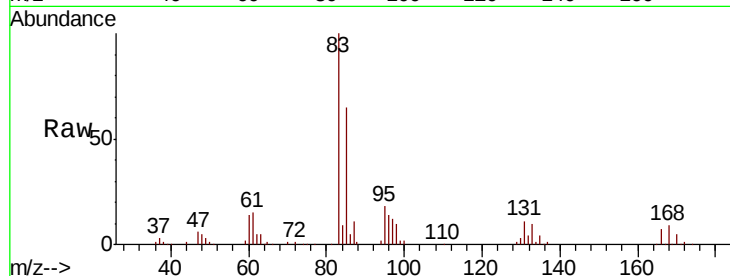
Tot Ion: 83 Resp: 131049

Ion Ratio Lower Upper

83 100

85 65.1 45.0 83.6

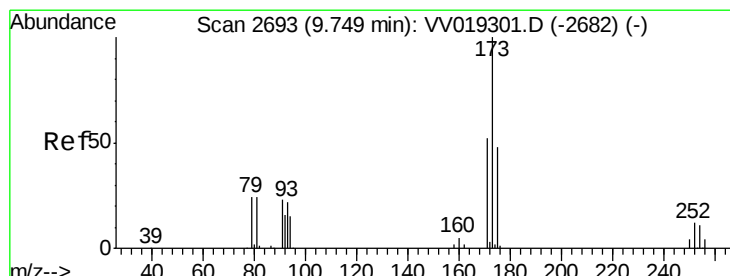
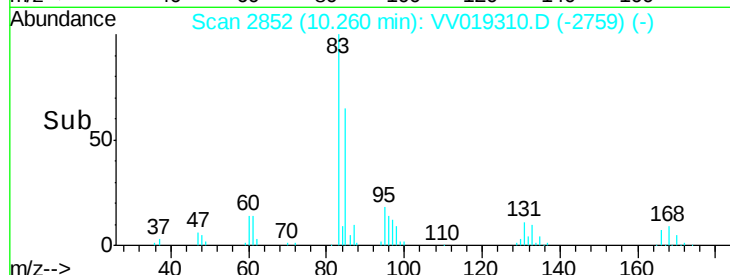
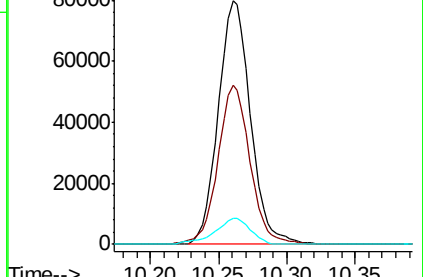
131 10.8 8.9 13.3



Abundance Ion 83.00 (82.70 to 83.70): VV019310.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV019310.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV019310.D (-2759) (-)



#59

Bromoform

Concen: 51.085 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

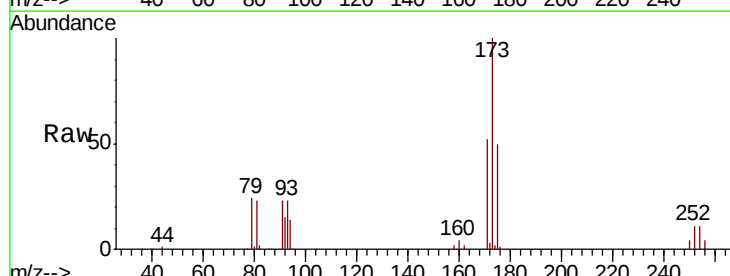
Tgt Ion: 173 Resp: 75224

Ion Ratio Lower Upper

173 100

175 49.6 38.4 57.6

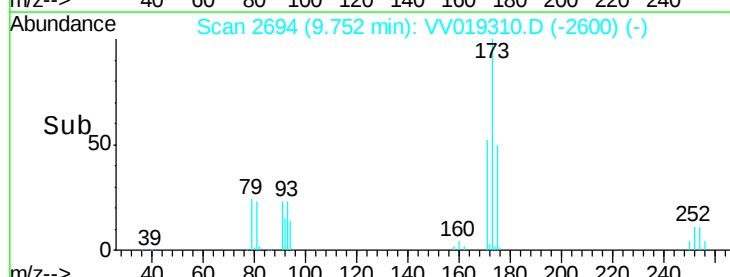
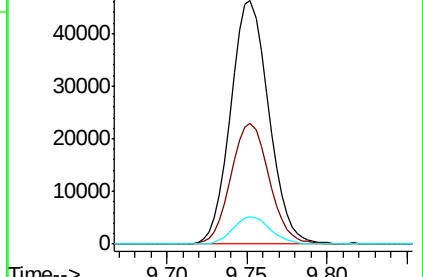
254 11.0 9.0 13.6

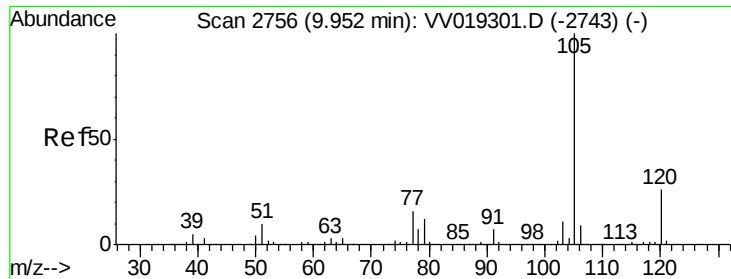


Abundance Ion 173.00 (172.70 to 173.70): VV019310.D (-2600) (-)

Ion 175.00 (174.70 to 175.70): VV019310.D (-2600) (-)

Ion 254.00 (253.70 to 254.70): VV019310.D (-2600) (-)





#60

Isopropylbenzene

Concen: 53.790 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

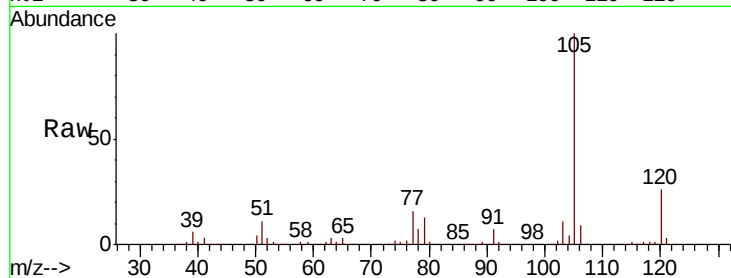
Tot Ion:105 Resp: 374033

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

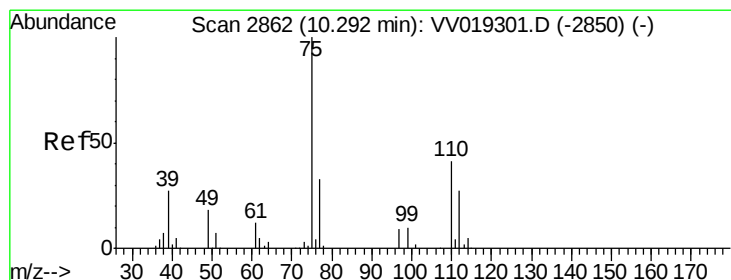
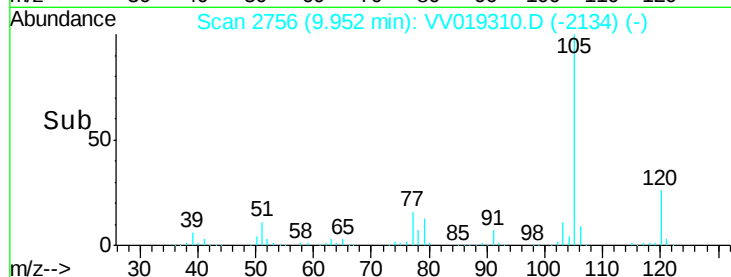
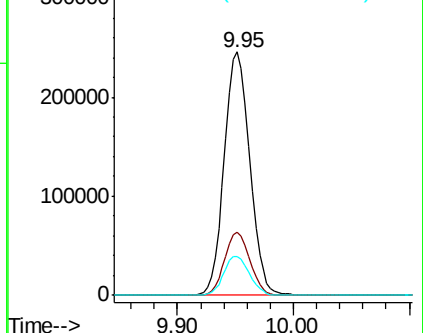
77 16.4 13.0 19.6



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



#61

1,2,3-Trichloropropane

Concen: 54.001 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

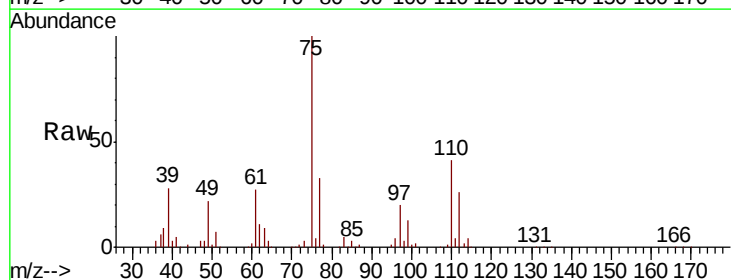
Tgt Ion: 75 Resp: 111309

Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

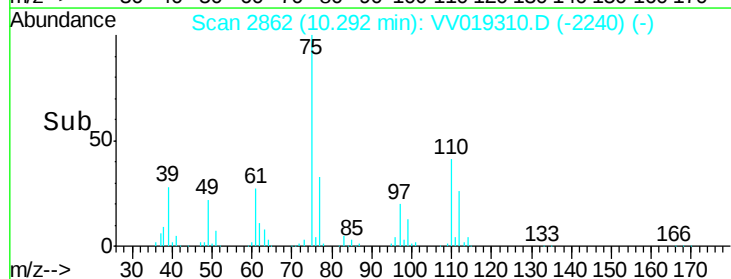
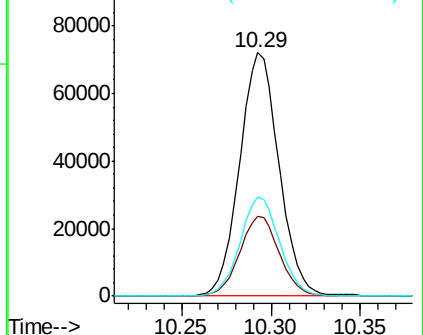
110 40.9 33.4 50.2

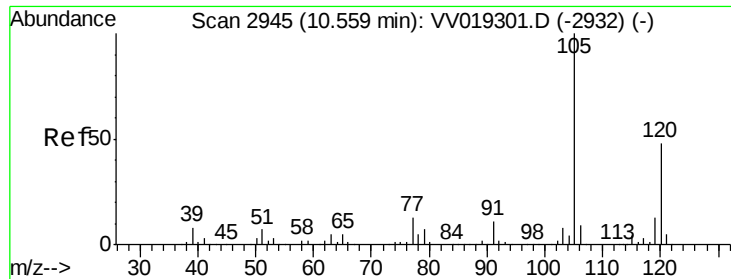


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

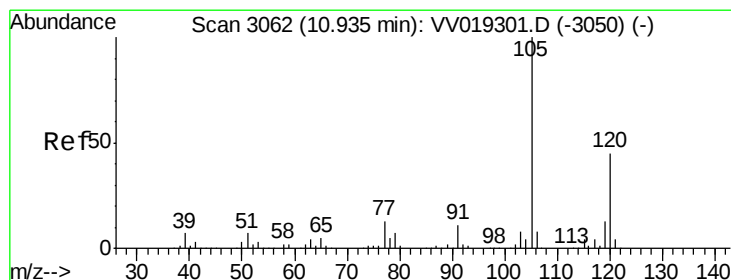
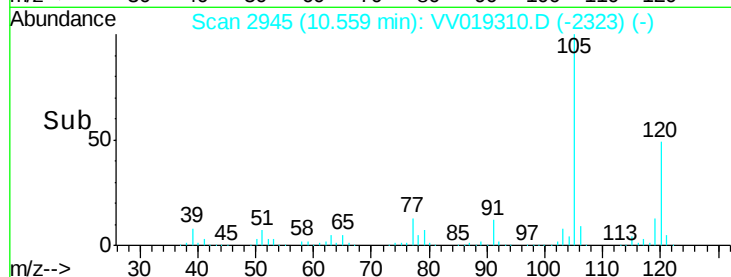
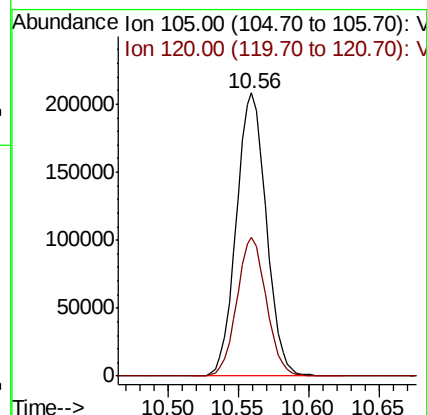
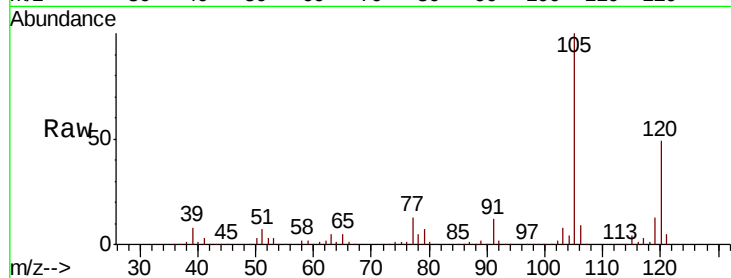




#62
 1,3,5-Trimethylbenzene
 Concen: 53.494 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

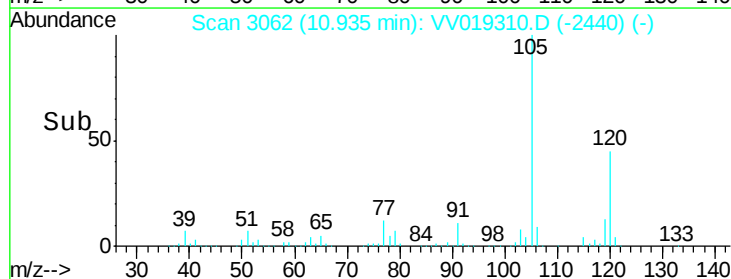
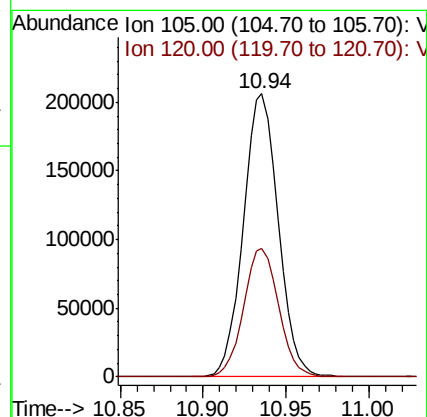
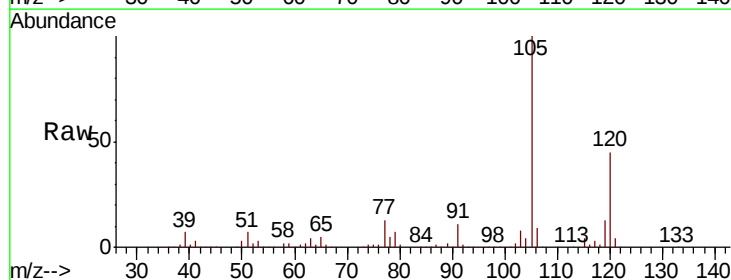
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

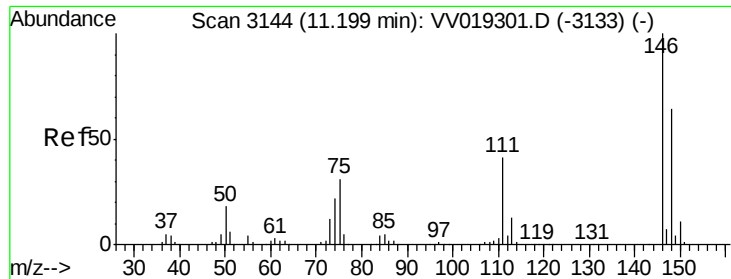
Tot Ion:105 Resp: 309816
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 53.433 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Tgt Ion:105 Resp: 302807
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.7 53.5

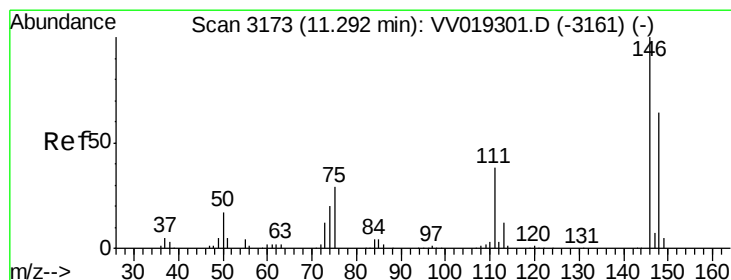
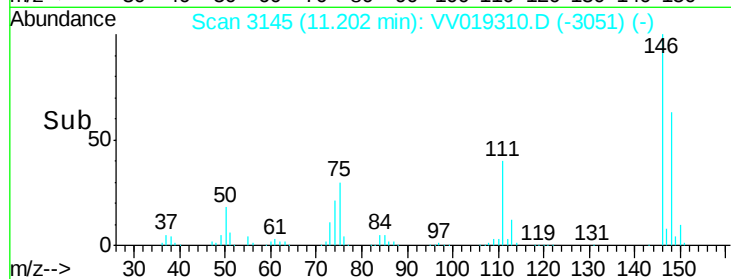
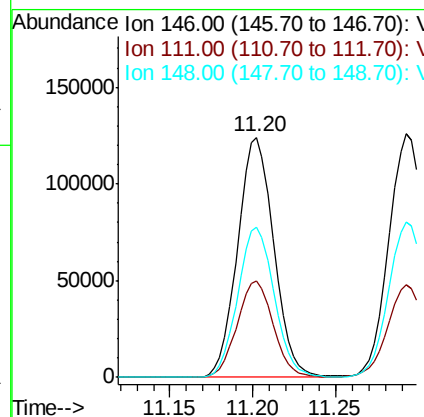
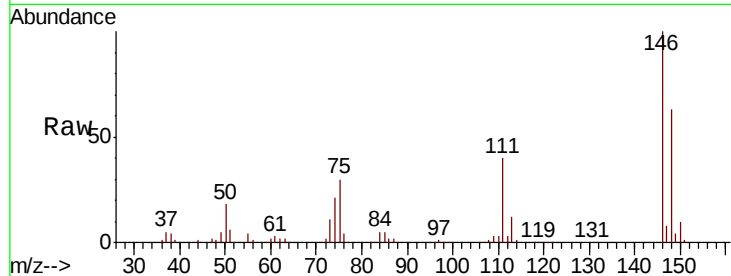




#64
 1,3-Dichlorobenzene
 Concen: 52.061 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

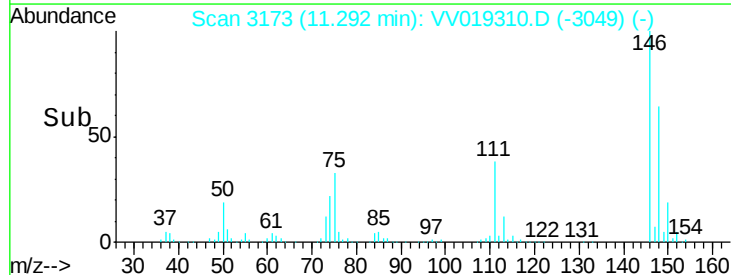
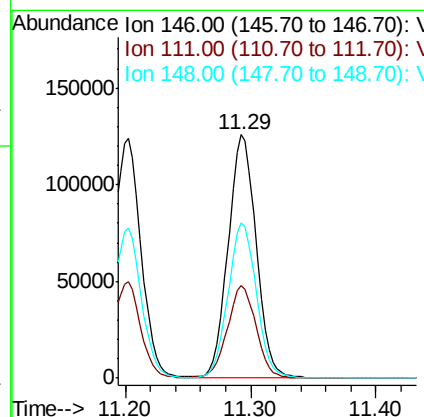
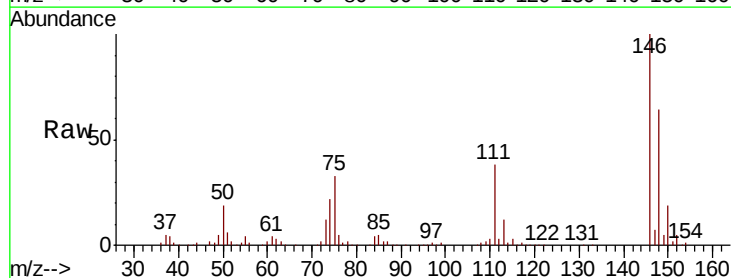
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

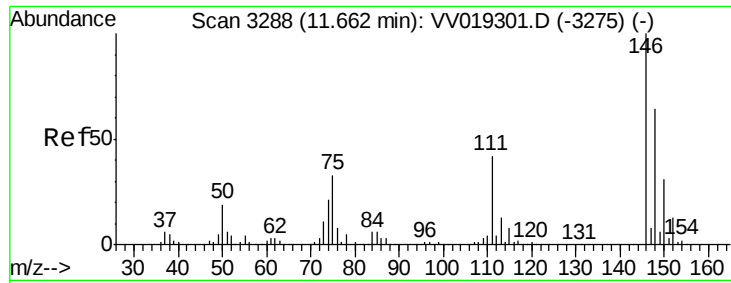
Tot Ion:146 Resp: 189361
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.3 50.7
 148 62.8 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 51.767 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Tgt Ion:146 Resp: 194802
 Ion Ratio Lower Upper
 146 100
 111 37.9 25.9 48.1
 148 63.9 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 52.061 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

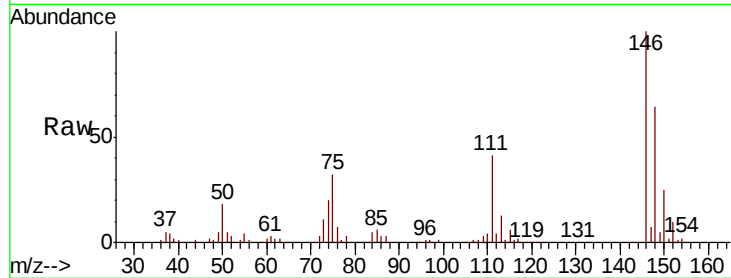
Tot Ion:146 Resp: 193725

Ion Ratio Lower Upper

146 100

111 41.4 32.6 48.8

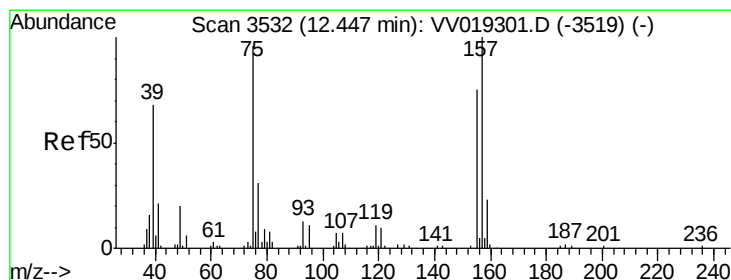
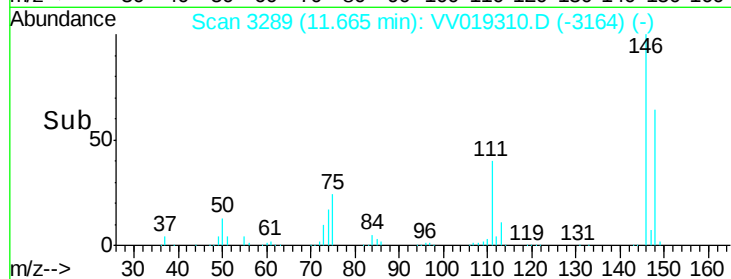
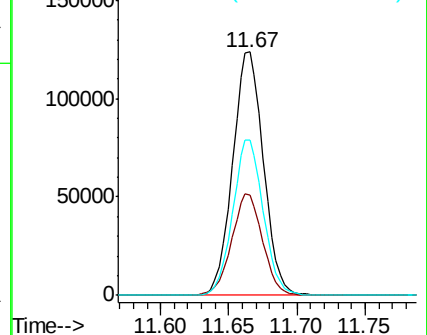
148 63.9 50.1 75.1



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



#68

1,2-Dibromo-3-chloropropane

Concen: 53.875 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019310.D

Acq: 09 Nov 2020 18:46

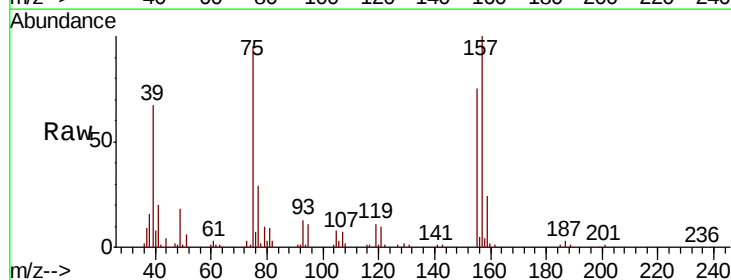
Tgt Ion: 75 Resp: 32397

Ion Ratio Lower Upper

75 100

155 78.5 65.8 98.6

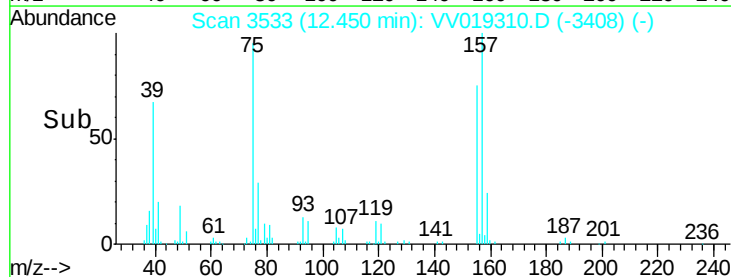
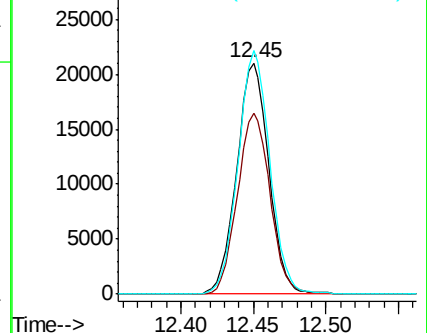
157 105.4 86.3 129.5

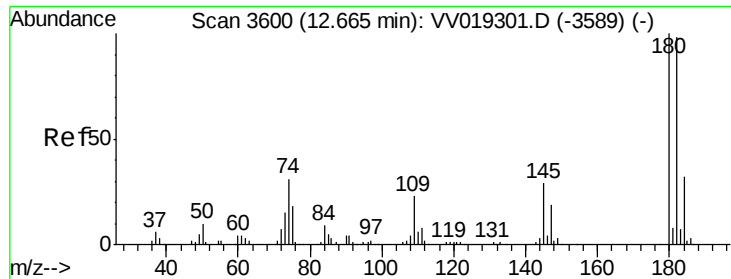


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

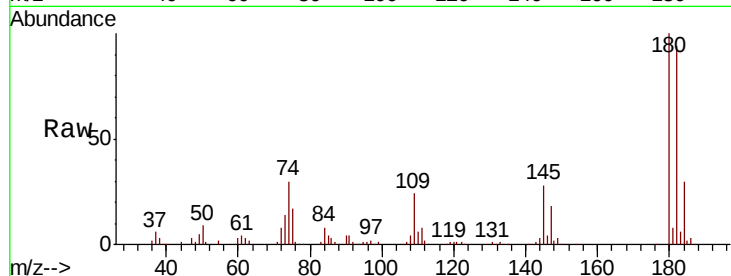




#69
 1,3,5-Trichlorobenzene
 Concen: 51.515 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

Tot Ion	180	Resp	134485
Ion Ratio	100	Lower	Upper
180	100		
182	94.5	77.7	116.5
184	29.9	24.9	37.3
145	27.9	23.4	35.0

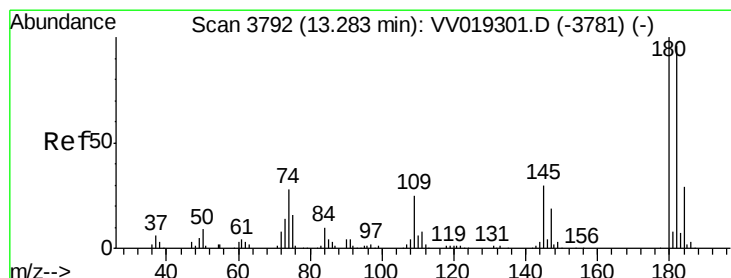
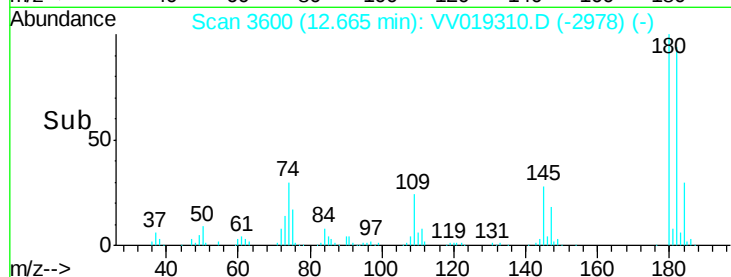
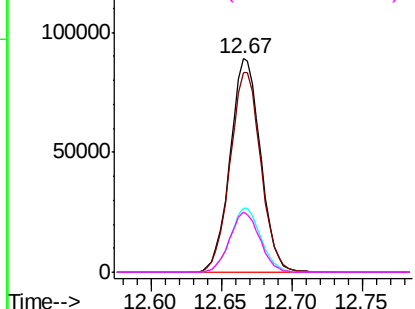


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

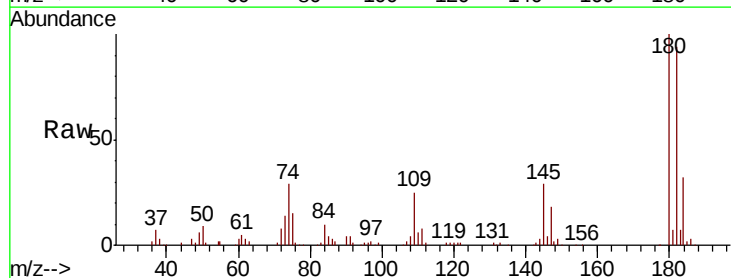
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 50.836 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019310.D
 Acq: 09 Nov 2020 18:46

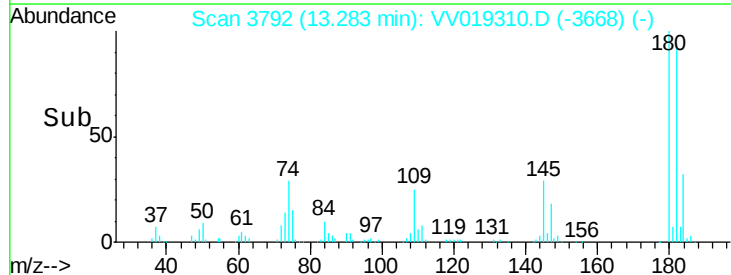
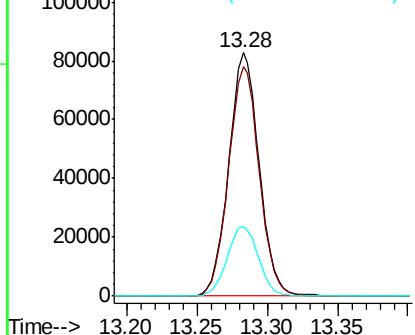
Tgt Ion	180	Resp	124875
Ion Ratio	100	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	29.5	23.2	34.8

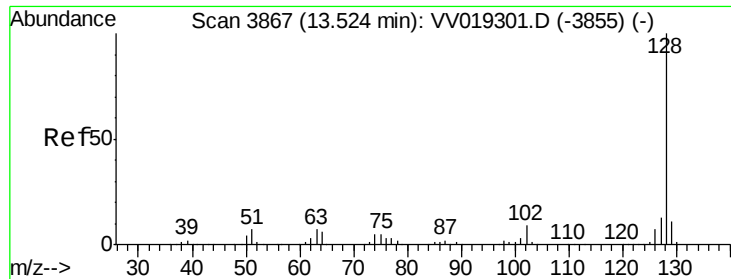


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

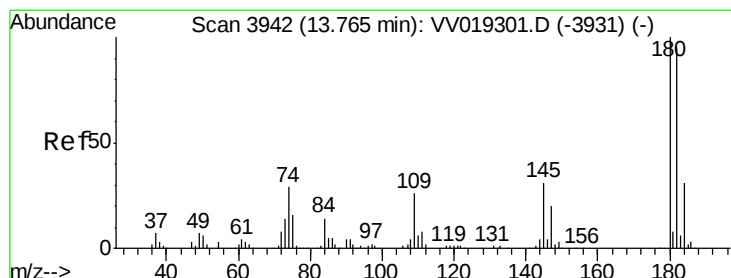
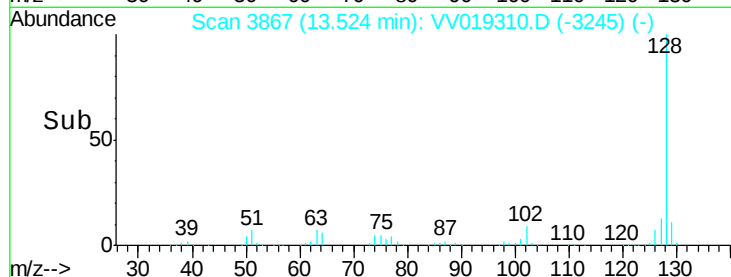
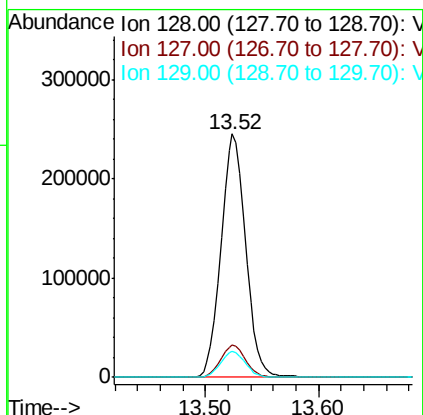
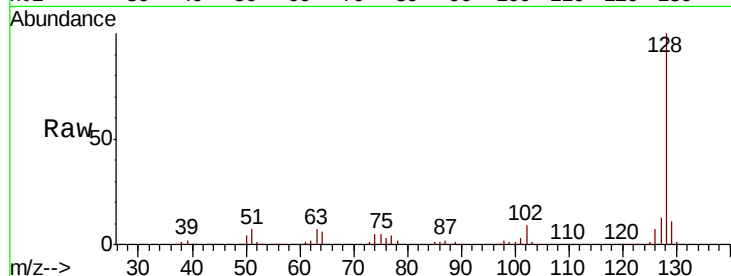




#71
Naphthalene
Concen: 53.792 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

Tot Ion:128 Resp: 372660
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 53.996 ug/L
RT: 13.76 min Scan# 3942
Delta R.T. 0.00 min
Lab File: VV019310.D
Acq: 09 Nov 2020 18:46

Tgt Ion:180 Resp: 131484
Ion Ratio Lower Upper
180 100
182 94.1 77.4 116.0
145 30.7 24.7 37.1

