

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019132.D
 Acq On : 28 Oct 2020 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Oct 29 03:07:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 28 01:06:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	255666	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	251505	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142072	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87953	37.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.74%
7) Chloroethane-d5	1.58	69	73924	39.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.08%
11) 1,1-Dichloroethene-d2	2.12	63	189141	43.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.96%
21) 2-Butanone-d5	3.90	46	123206	78.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.87%
24) Chloroform-d	4.37	84	187587	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
26) 1,2-Dichloroethane-d4	5.05	65	127429	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
32) Benzene-d6	5.07	84	342264	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
36) 1,2-Dichloropropane-d6	6.09	67	103005	41.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.66%
41) Toluene-d8	7.33	98	323002	46.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.90%
43) trans-1,3-Dichloropropene-	7.64	79	59347	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
47) 2-Hexanone-d5	8.10	63	91617	84.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.55%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	137268	41.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	135529	45.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	94861	47.635	ug/L 100
3) Chloromethane	1.25	50	93529	37.764	ug/L 99
5) Vinyl chloride	1.32	62	96528	39.563	ug/L 100
6) Bromomethane	1.53	94	62763	44.958	ug/L 97
8) Chloroethane	1.60	64	62492	40.843	ug/L 100
9) Trichlorofluoromethane	1.76	101	165065	51.435	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83106	48.693	ug/L 94
12) 1,1-Dichloroethene	2.13	96	78428	45.928	ug/L 88
13) Acetone	2.19	43	131547	124.253	ug/L 98
14) Carbon disulfide	2.31	76	244598	43.445	ug/L 100
15) Methyl Acetate	2.44	43	88838	39.931	ug/L 94
16) Methylene chloride	2.52	84	90146	45.292	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	85752	47.521	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	281613	48.125	ug/L 98
19) 1,1-Dichloroethane	3.21	63	163458	44.865	ug/L 97
20) cis-1,2-Dichloroethene	3.93	96	90928	47.123	ug/L 92
22) 2-Butanone	3.99	43	140961	97.126	ug/L 96

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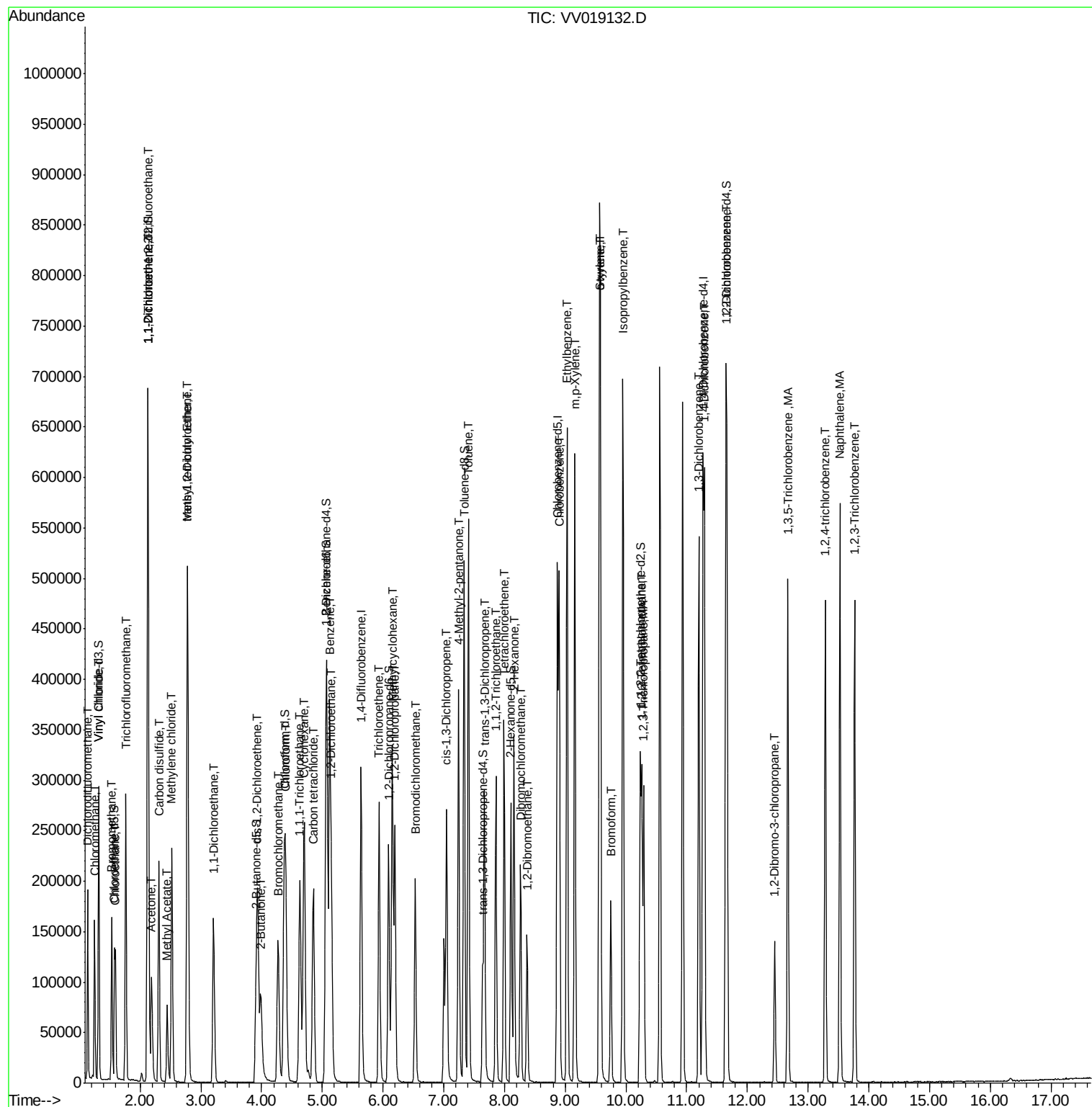
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	49308	50.199	ug/L	85
25) Chloroform	4.40	83	173493	48.339	ug/L	100
27) 1,2-Dichloroethane	5.15	62	148918	49.995	ug/L	99
29) Cyclohexane	4.70	56	135406	44.979	ug/L	92
30) 1,1,1-Trichloroethane	4.63	97	161862	51.689	ug/L	98
31) Carbon tetrachloride	4.85	117	145936	53.459	ug/L	99
33) Benzene	5.12	78	355199	46.134	ug/L	100
34) Trichloroethene	5.94	95	94123	48.377	ug/L	95
35) Methylcyclohexane	6.15	83	132864	49.911	ug/L	95
37) 1,2-Dichloropropane	6.19	63	89412	42.183	ug/L	98
38) Bromodichloromethane	6.53	83	131380	48.986	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	151174	48.259	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	248061	86.746	ug/L	97
42) Toluene	7.41	91	387775	49.067	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	154390	49.679	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	87155	46.555	ug/L	96
46) Tetrachloroethene	7.99	164	80123	53.664	ug/L	99
48) 2-Hexanone	8.15	43	208372	94.430	ug/L	99
49) Dibromochloromethane	8.27	129	106398	51.996	ug/L	100
50) 1,2-Dibromoethane	8.37	107	92324	47.522	ug/L	98
51) Chlorobenzene	8.90	112	249317	49.188	ug/L	98
52) Ethylbenzene	9.03	91	433086	50.678	ug/L	99
53) m,p-Xylene	9.16	106	163302	52.199	ug/L	96
54) o-xylene	9.56	106	156412	51.926	ug/L	99
55) Styrene	9.58	104	280888	52.569	ug/L	99
56) Isopropylbenzene	9.95	105	425322	53.700	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	134722	43.735	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	112784	45.506	ug/L	98
61) Bromoform	9.75	173	80879	50.550	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	212261	49.786	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	219204	49.203	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	208182	48.429	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33989	44.754	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	149916	51.495	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	142205	51.800	ug/L	99
69) Naphthalene	13.52	128	418712	49.502	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	143226	51.492	ug/L	99

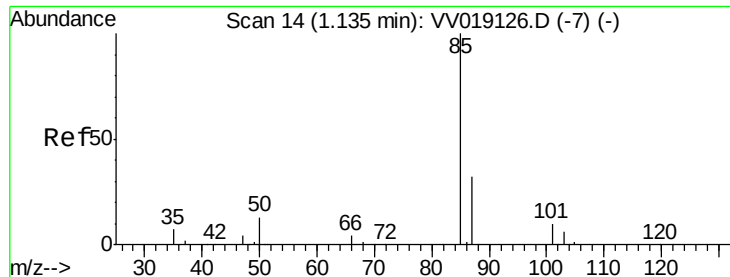
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.635 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

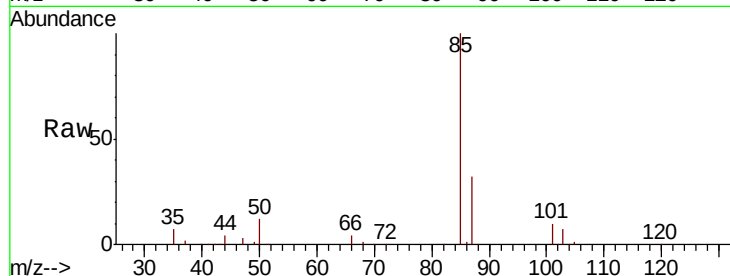
VSTD05077

Tot Ion: 85 Resp: 94861

Ion Ratio Lower Upper

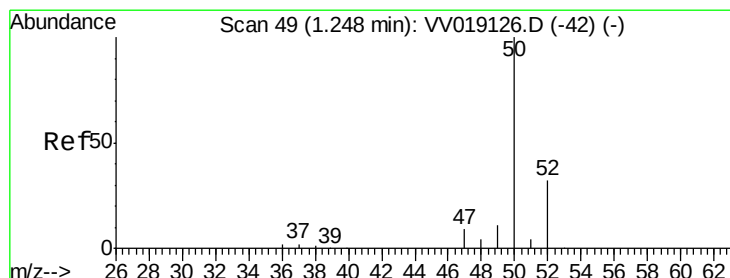
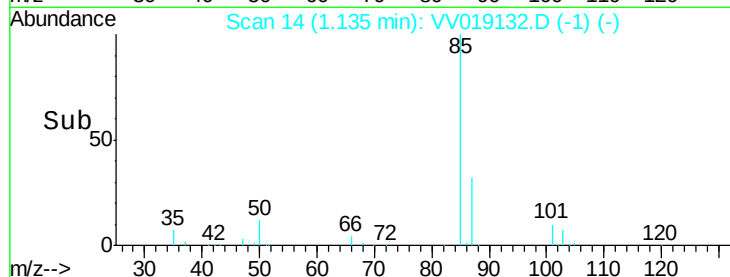
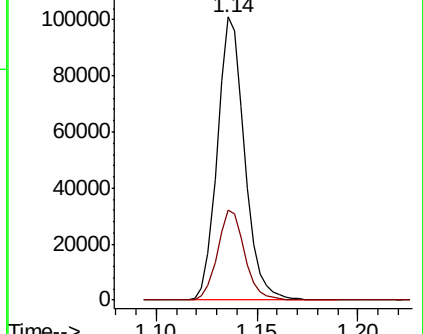
85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 37.764 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019132.D

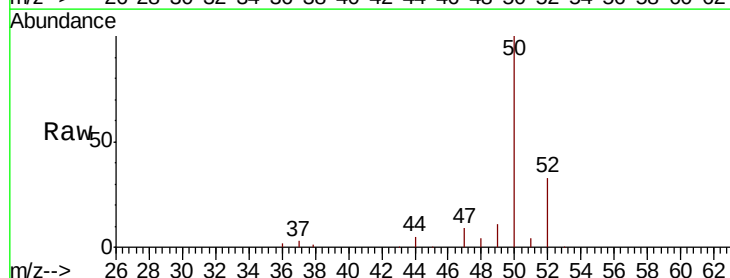
Acq: 28 Oct 2020 09:52

Tgt Ion: 50 Resp: 93529

Ion Ratio Lower Upper

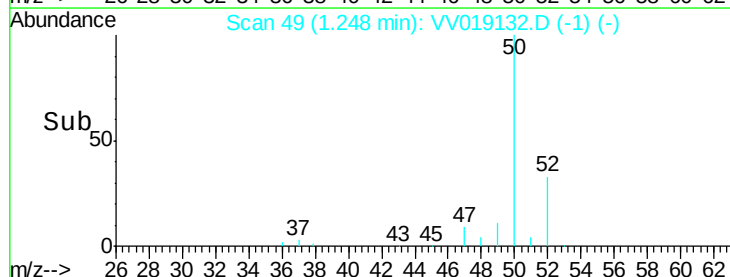
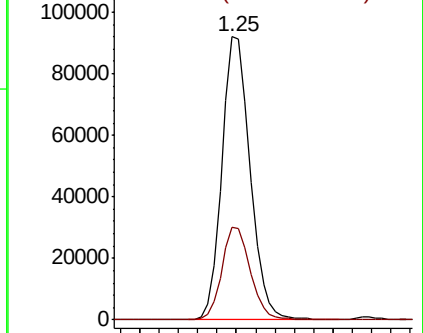
50 100

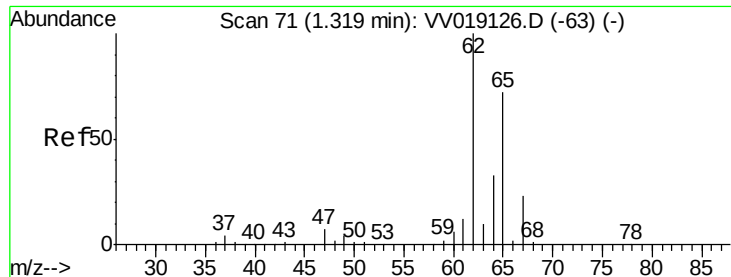
52 32.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 39.563 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

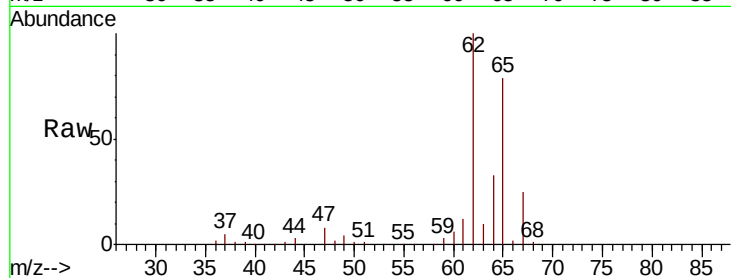
VSTD05077

Tot Ion: 62 Resp: 96528

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

60000

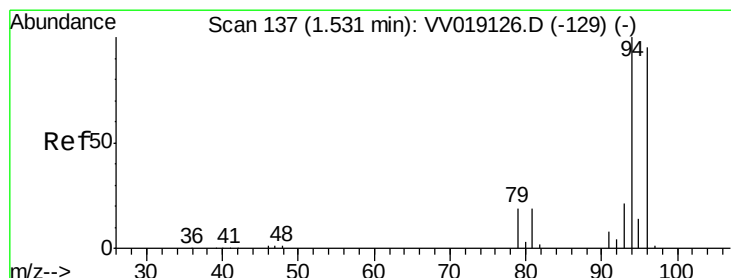
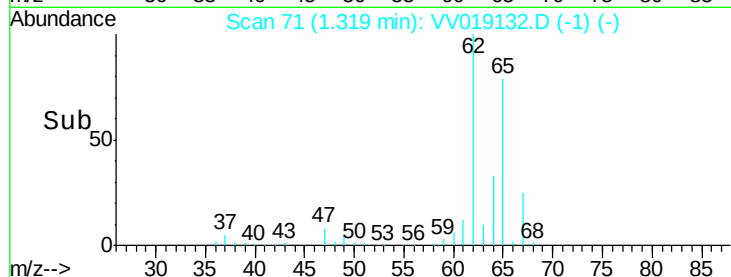
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 44.958 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV019132.D

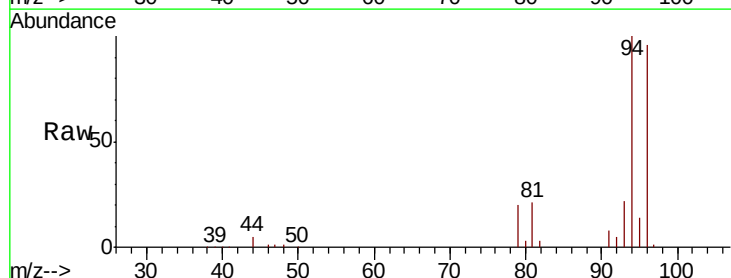
Acq: 28 Oct 2020 09:52

Tgt Ion: 94 Resp: 62763

Ion Ratio Lower Upper

94 100

96 95.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

50000

40000

30000

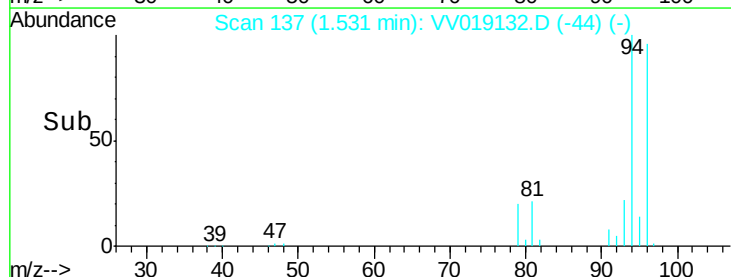
20000

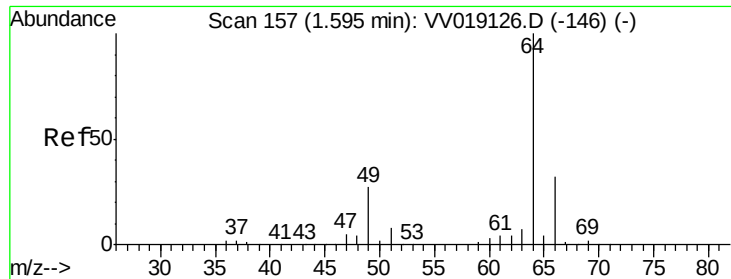
10000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 40.843 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

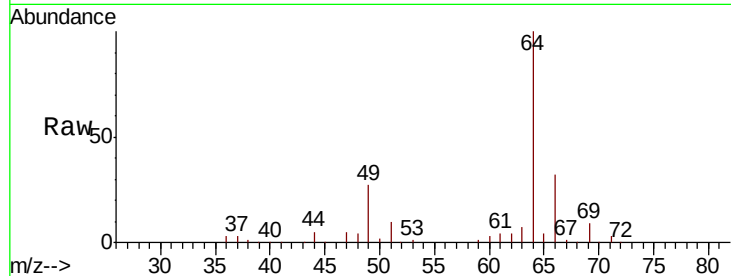
VSTD05077

Tot Ion: 64 Resp: 62492

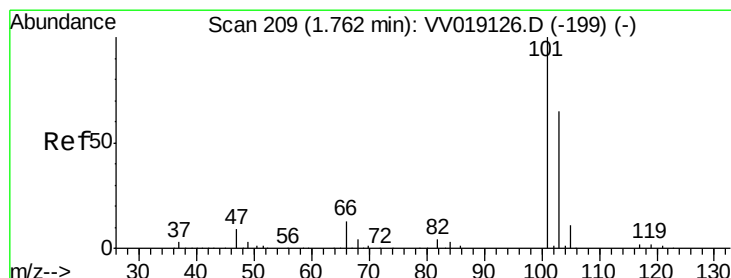
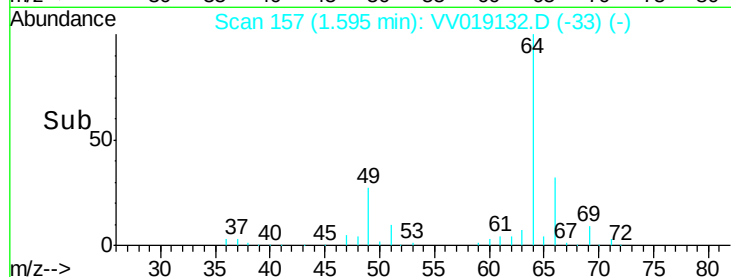
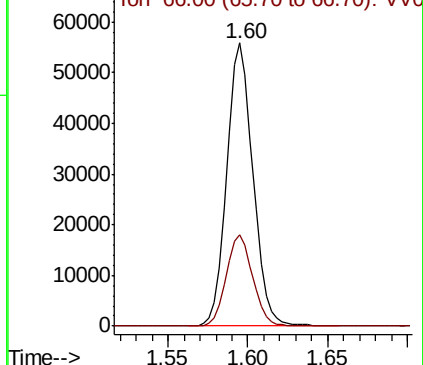
Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019132.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 51.435 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019132.D

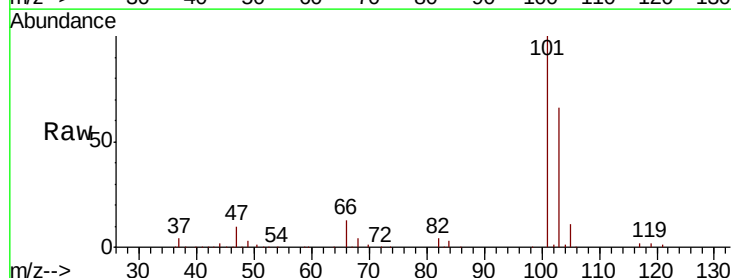
Acq: 28 Oct 2020 09:52

Tgt Ion: 101 Resp: 165065

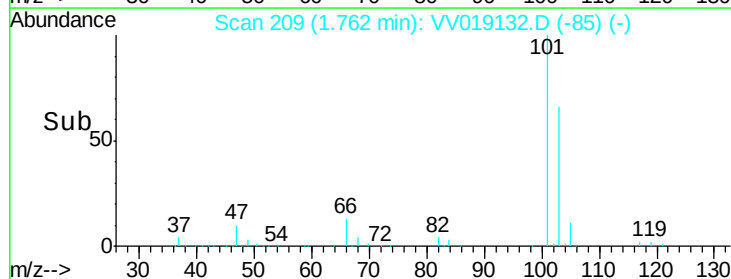
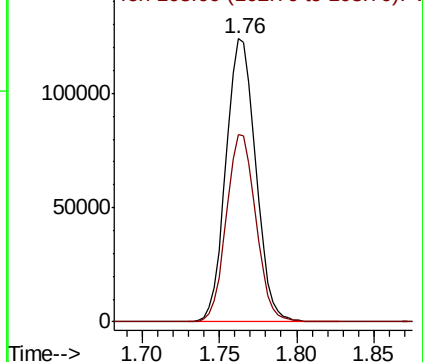
Ion Ratio Lower Upper

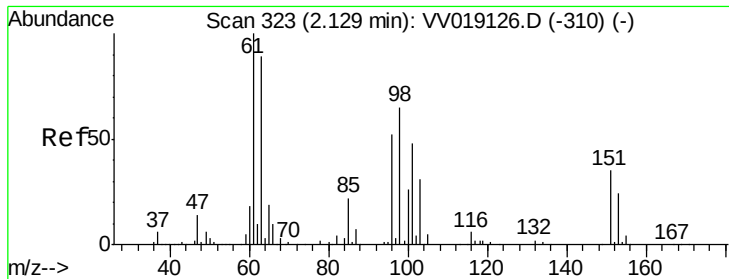
101 100

103 65.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019132.D (-85) (-)





#10

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

Concen: 48.693 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

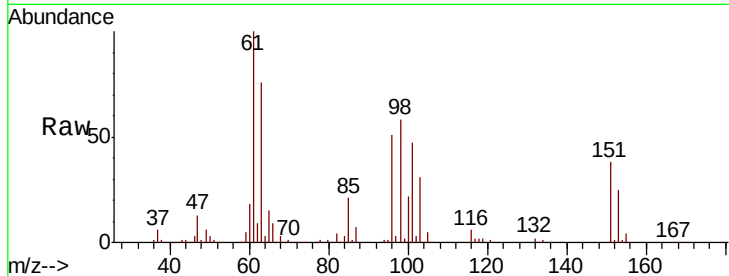
Tot Ion:101 Resp: 83106

Ion Ratio Lower Upper

101 100

85 44.6 36.9 55.3

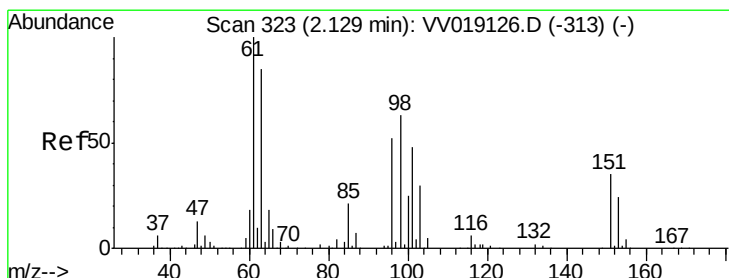
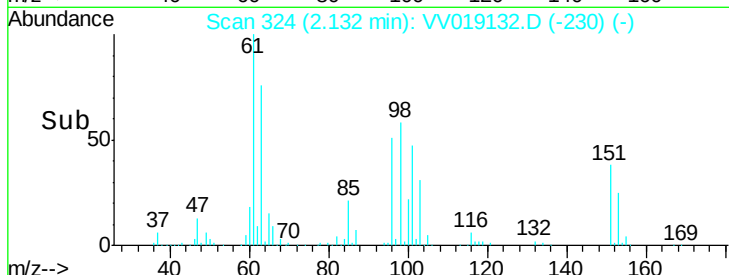
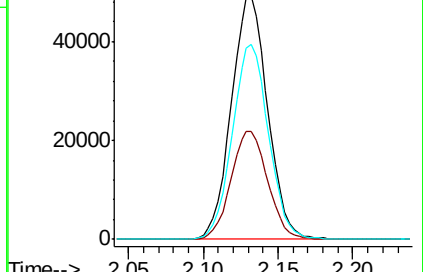
151 79.7 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): VV019132.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019132.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019132.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 45.928 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

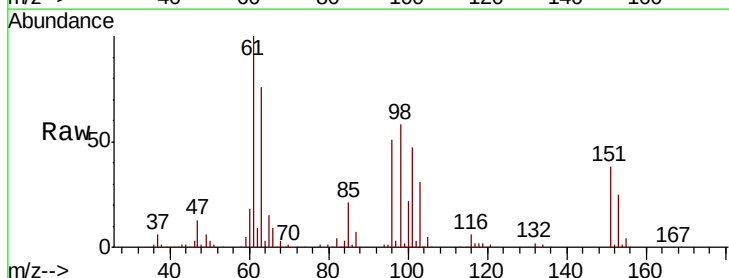
Tgt Ion: 96 Resp: 78428

Ion Ratio Lower Upper

96 100

61 194.3 138.7 257.7

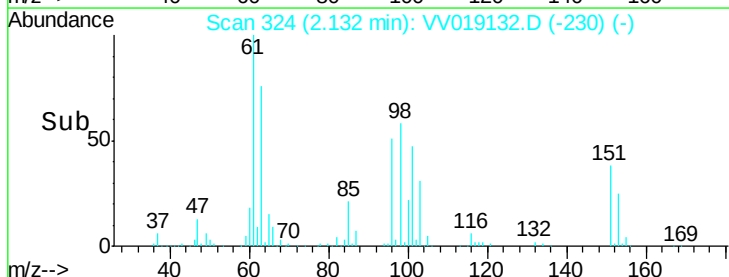
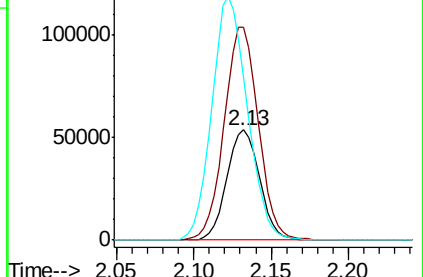
63 147.8 126.3 234.6

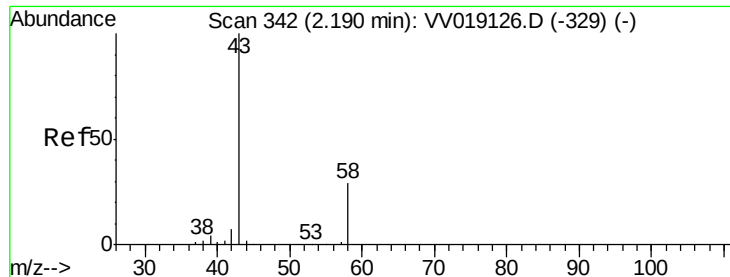


Abundance Ion 96.00 (95.70 to 96.70): VV019132.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019132.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019132.D (-230) (-)





#13

Acetone

Concen: 124.253 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

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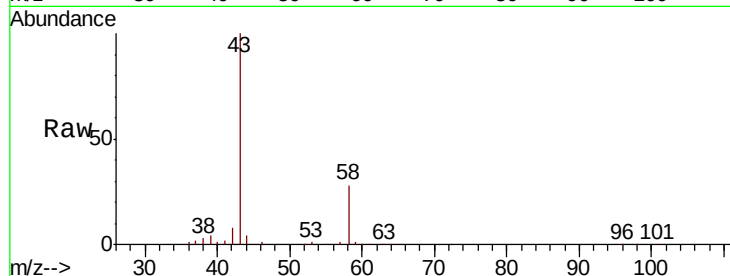
VSTD05077

Tot Ion: 43 Resp: 131547

Ion Ratio Lower Upper

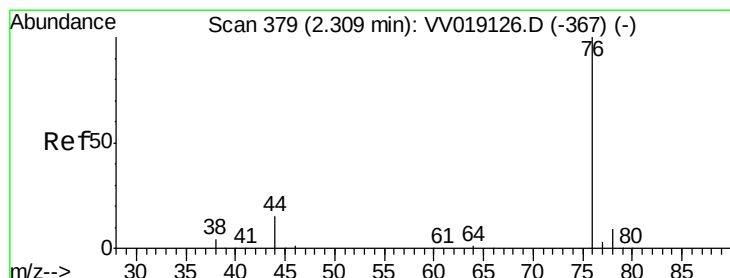
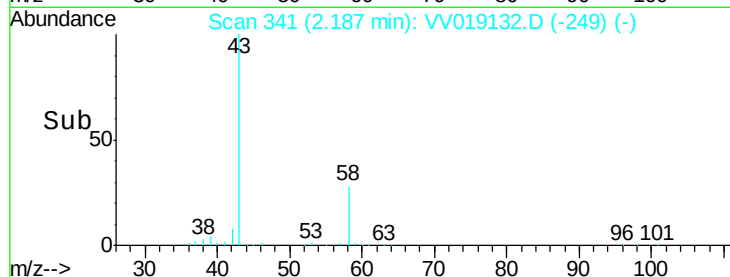
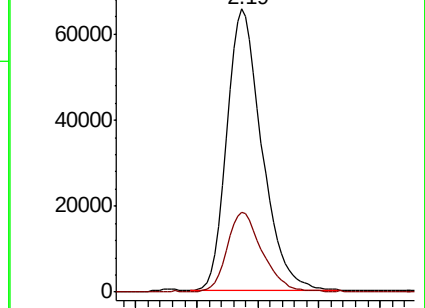
43 100

58 28.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019132.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV019132.D (-249) (-)



#14

Carbon disulfide

Concen: 43.445 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019132.D

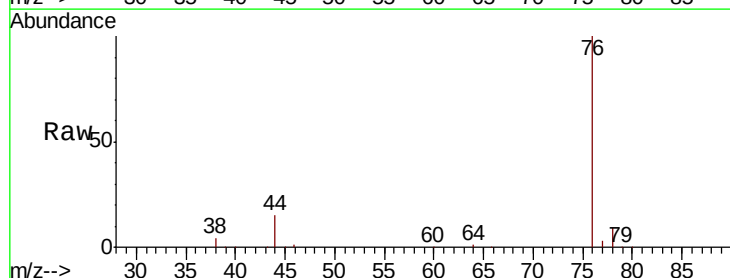
Acq: 28 Oct 2020 09:52

Tgt Ion: 76 Resp: 244598

Ion Ratio Lower Upper

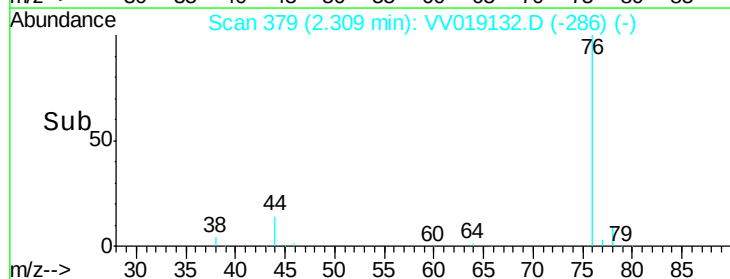
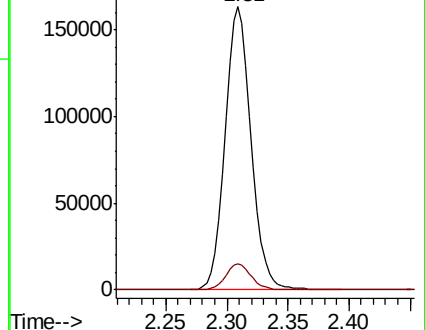
76 100

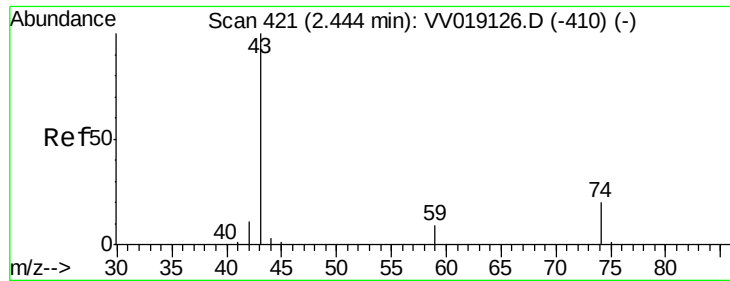
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019132.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019132.D (-286) (-)





#15

Methvl Acetate

Concen: 39.931 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

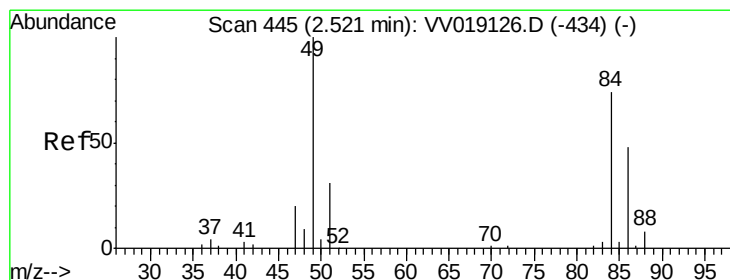
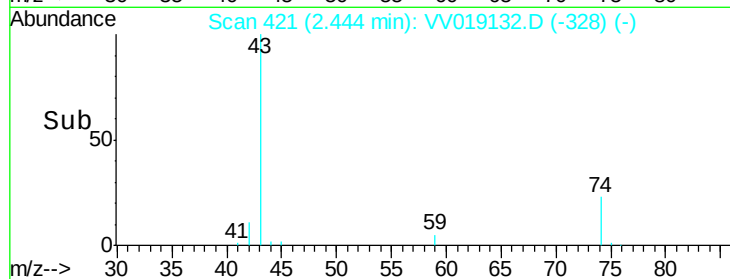
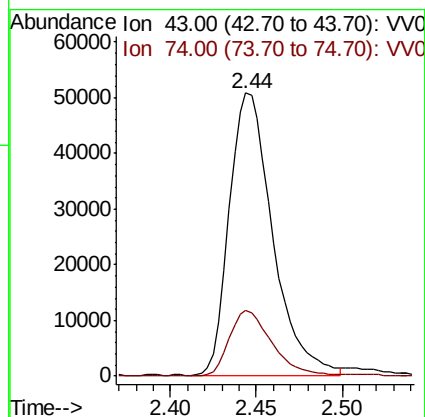
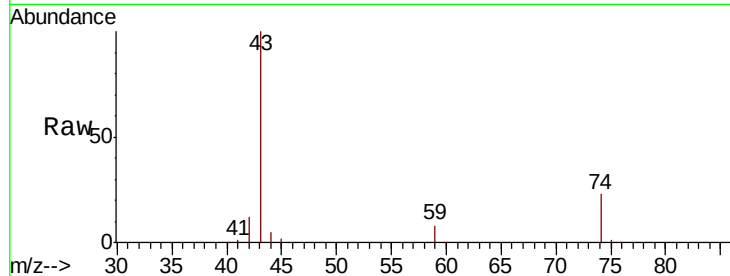
VSTD05077

Tot Ion: 43 Resp: 88838

Ion Ratio Lower Upper

43 100

74 23.2 16.4 24.6



#16

Methylene chloride

Concen: 45.292 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

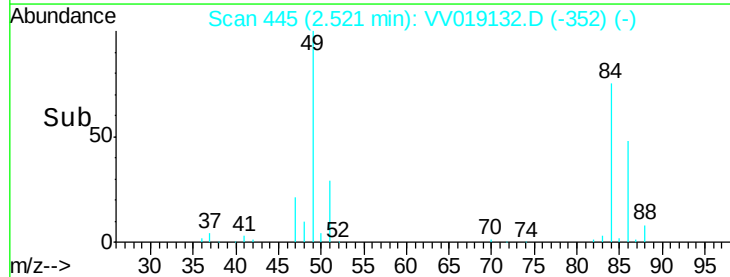
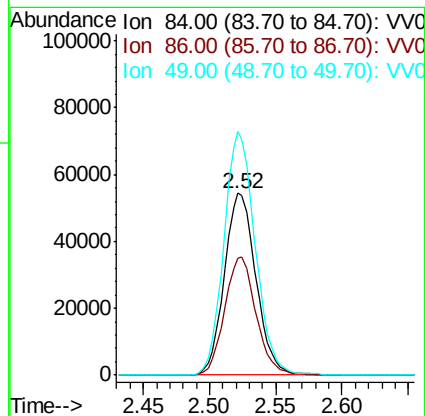
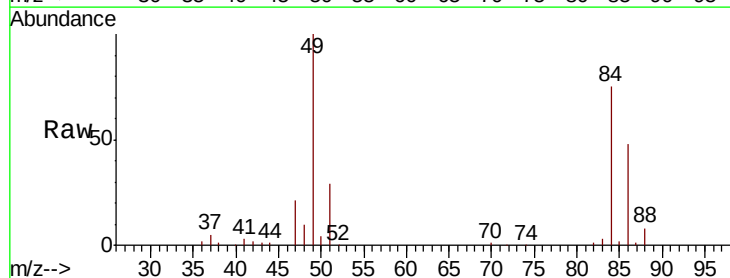
Tgt Ion: 84 Resp: 90146

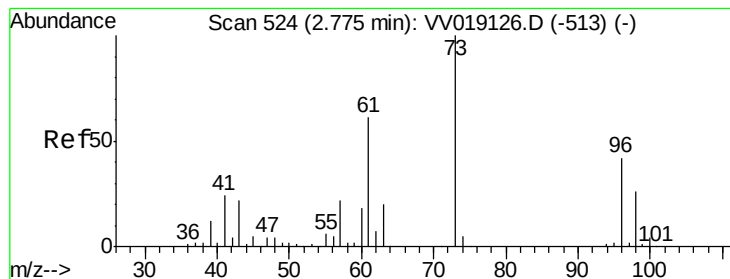
Ion Ratio Lower Upper

84 100

86 64.6 44.2 82.2

49 133.8 98.0 182.0





#17

trans-1,2-Dichloroethene

Concen: 47.521 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

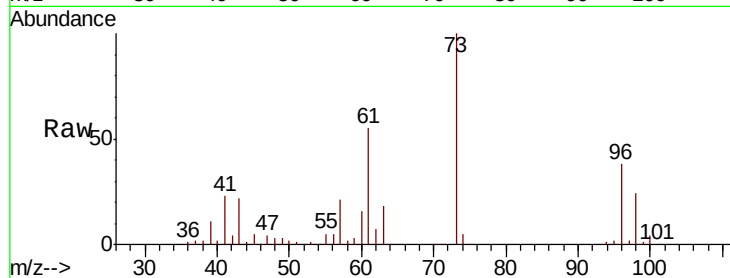
Tot Ion: 96 Resp: 85752

Ion Ratio Lower Upper

96 100

61 145.2 108.6 201.8

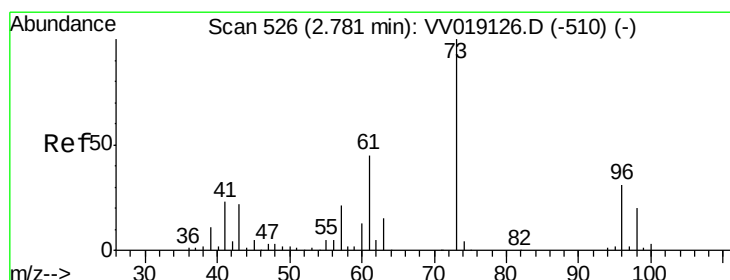
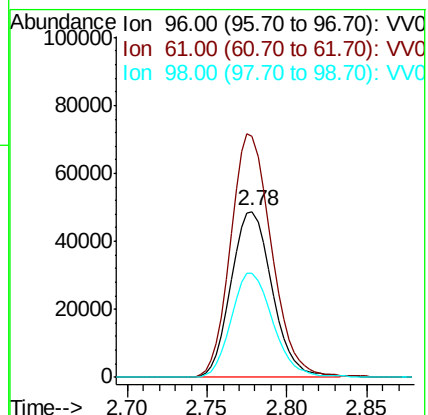
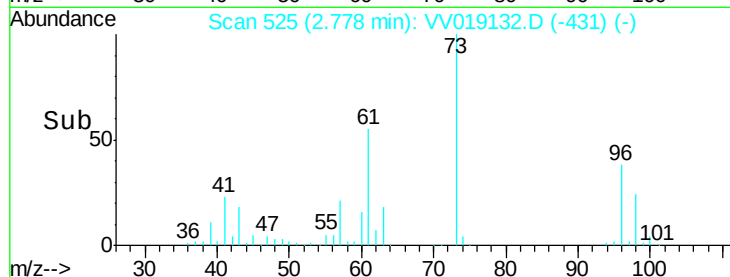
98 62.5 45.7 84.9



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: 48.125 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

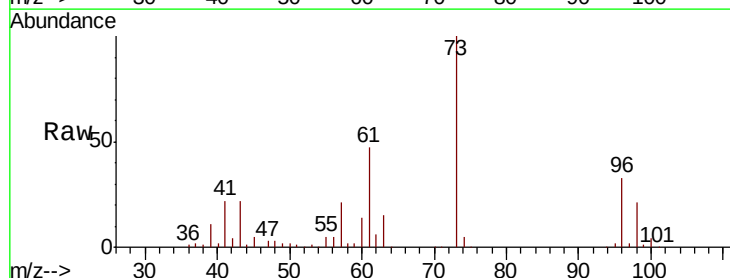
Tgt Ion: 73 Resp: 281613

Ion Ratio Lower Upper

73 100

43 21.4 17.2 25.8

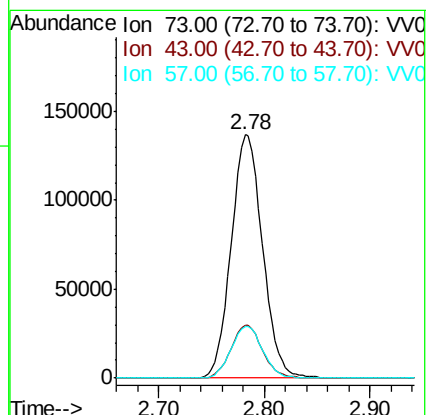
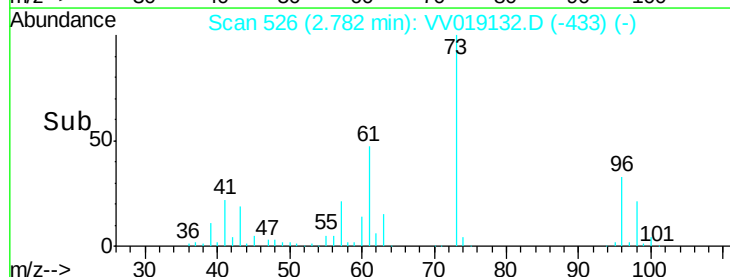
57 21.6 18.5 27.7

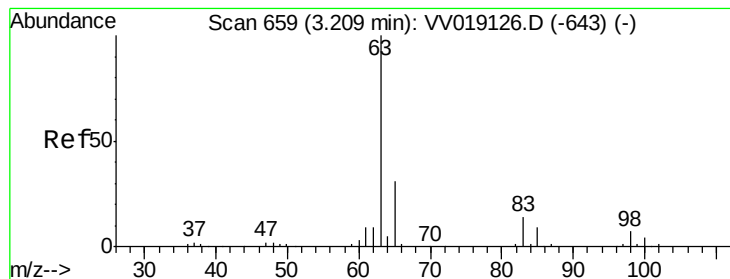


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.865 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

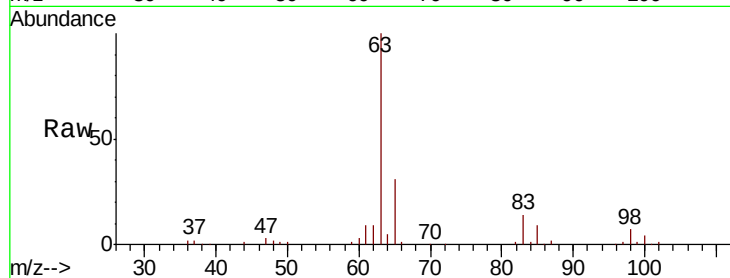
Tot Ion: 63 Resp: 163458

Ion Ratio Lower Upper

63 100

65 30.9 22.7 42.1

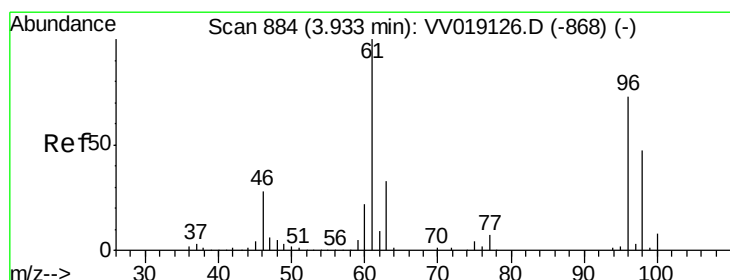
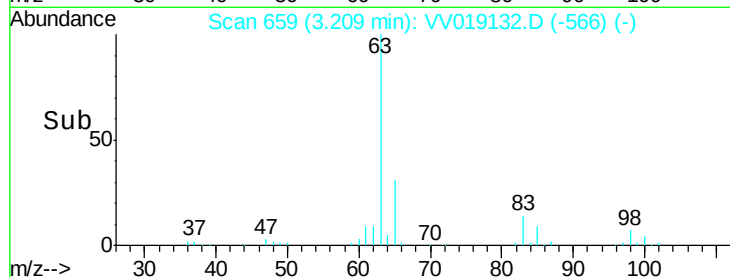
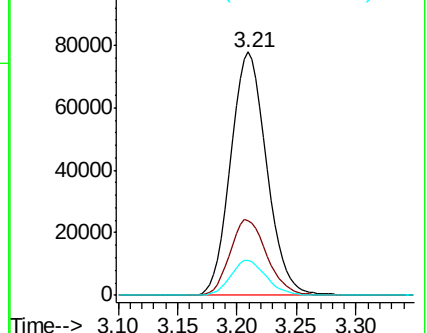
83 14.3 9.0 16.8



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: 47.123 ug/L

RT: 3.93 min Scan# 884

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

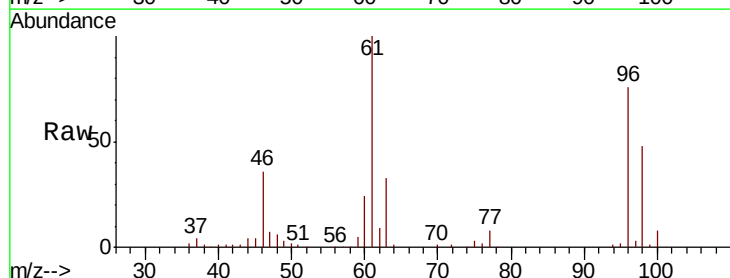
Tgt Ion: 96 Resp: 90928

Ion Ratio Lower Upper

96 100

61 132.2 99.4 184.6

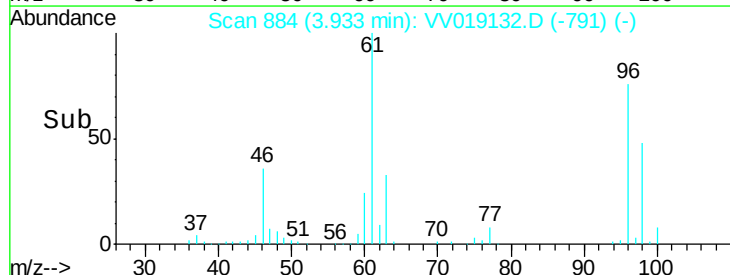
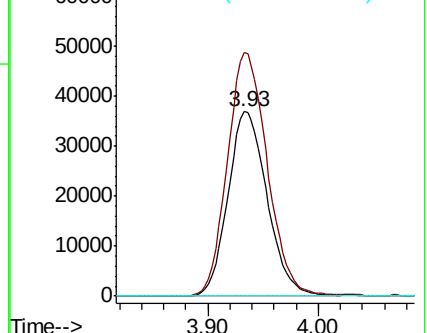
68 0.0 0.0 0.0

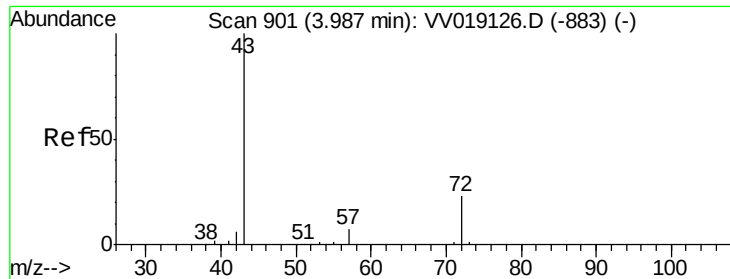


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.126 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampled :

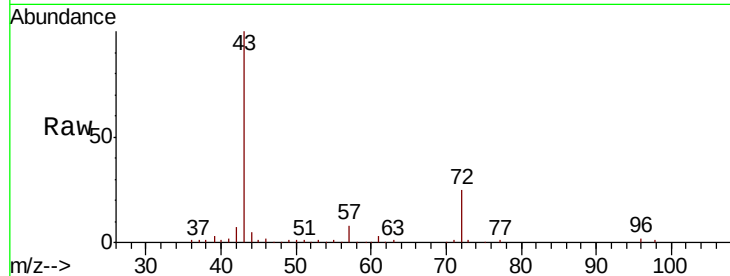
VSTD05077

Tot Ion: 43 Resp: 140961

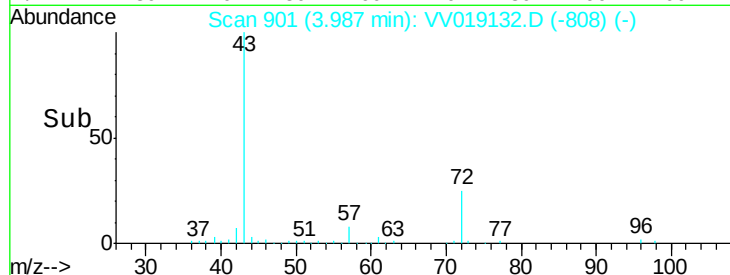
Ion Ratio Lower Upper

43 100

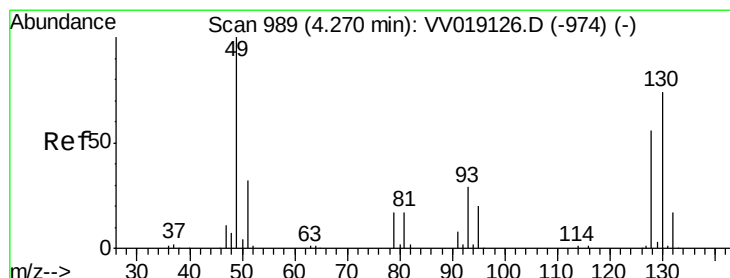
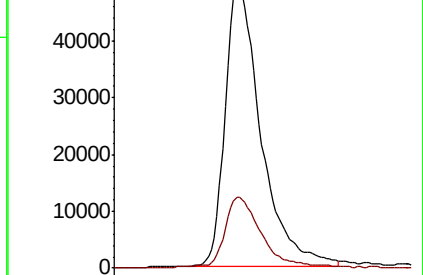
72 23.3 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019132.D (-808) (-)



Ion 72.00 (71.70 to 72.70): VV019132.D (-808) (-)



#23

Bromochloromethane

Concen: 50.199 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Tgt Ion: 128 Resp: 49308

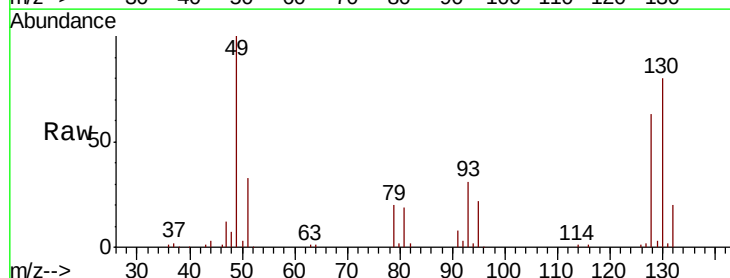
Ion Ratio Lower Upper

128 100

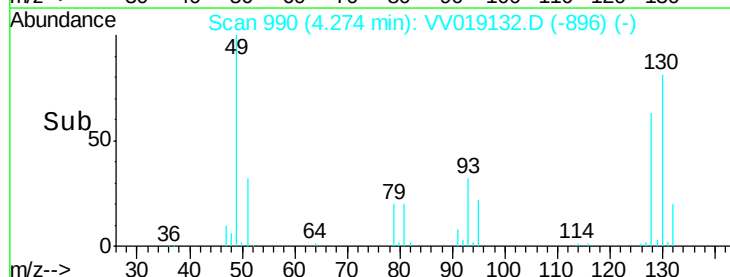
49 159.8 137.1 254.5

130 128.0 92.0 170.9

51 52.1 49.0 73.4



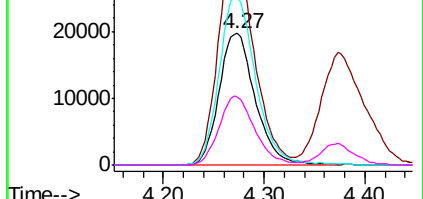
Abundance Ion 128.00 (127.70 to 128.70): VV019132.D (-896) (-)

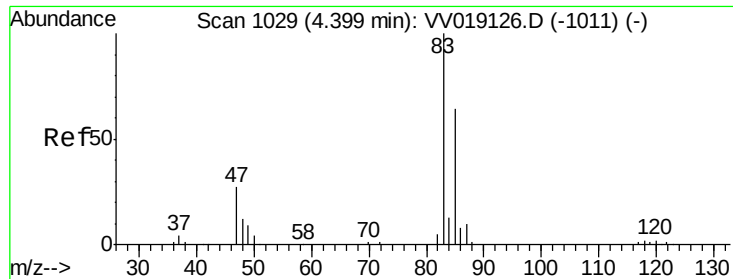


Ion 49.00 (48.70 to 49.70): VV019132.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019132.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019132.D (-896) (-)

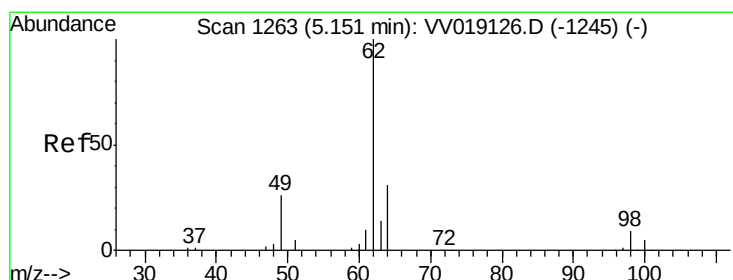
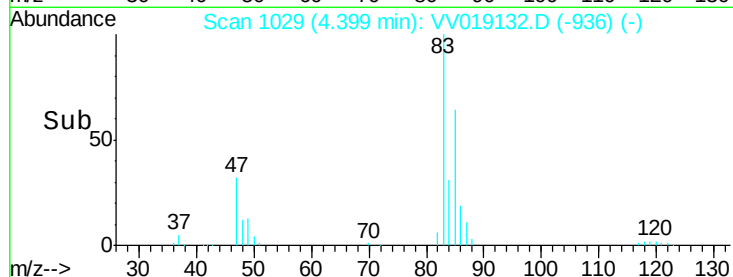
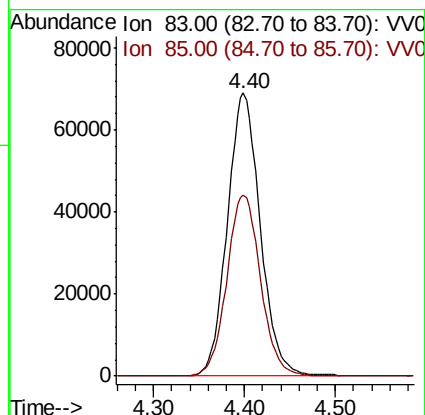
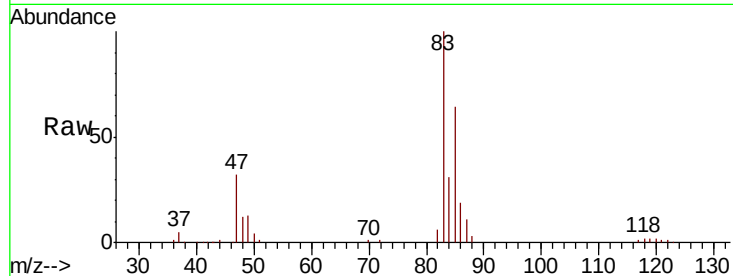




#25
Chloroform
Concen: 48.339 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

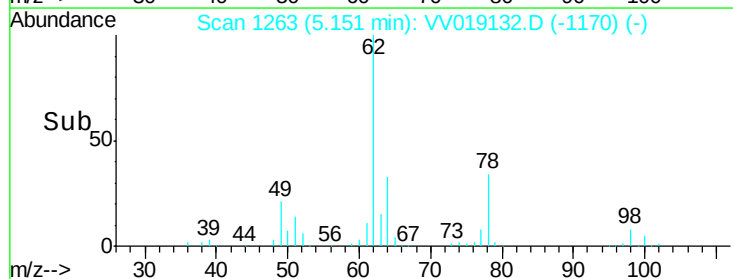
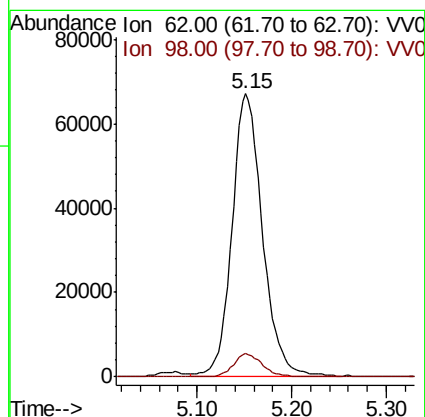
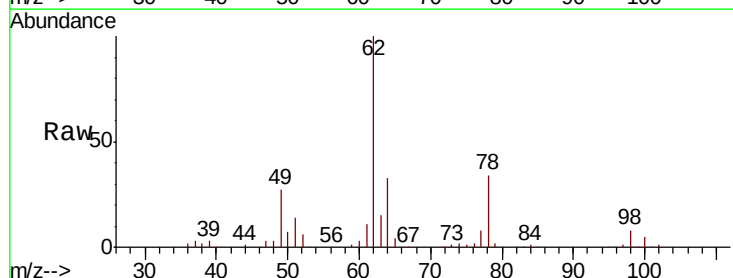
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

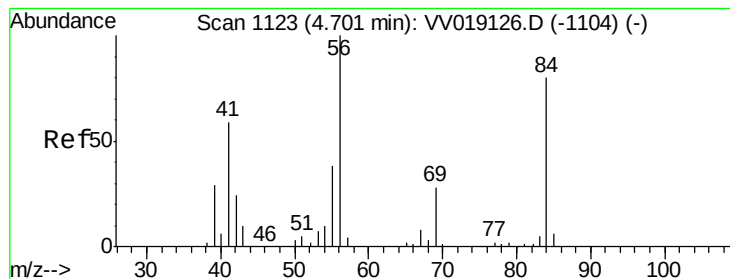
Tot Ion: 83 Resp: 173493
Ion Ratio Lower Upper
83 100
85 63.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 49.995 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

Tgt Ion: 62 Resp: 148918
Ion Ratio Lower Upper
62 100
98 8.2 6.9 10.3





#29

Cyclohexane

Concen: 44.979 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

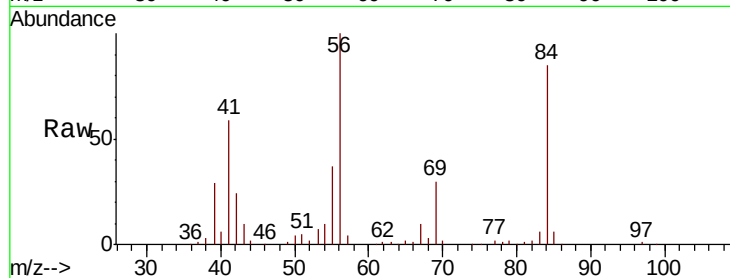
Tot Ion: 56 Resp: 135406

Ion Ratio Lower Upper

56 100

69 30.7 22.7 34.1

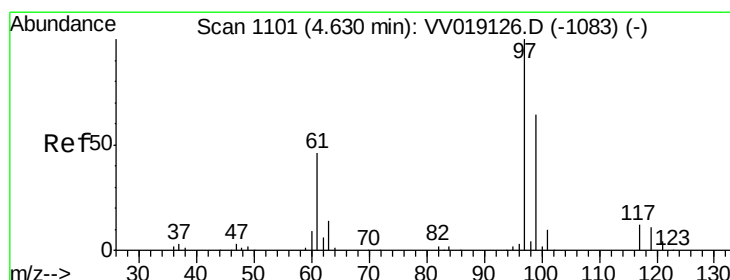
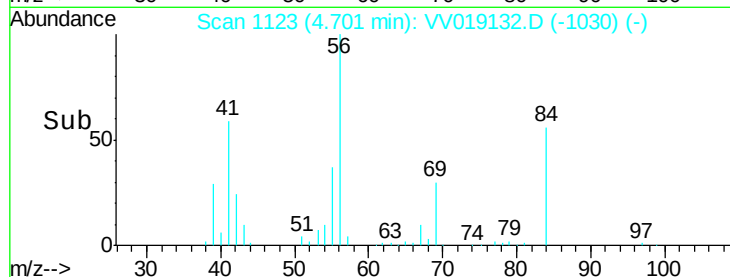
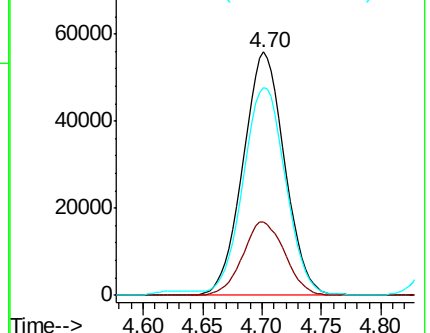
84 87.9 63.5 95.3



Abundance Ion 56.00 (55.70 to 56.70): VV019132.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV019132.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV019132.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 51.689 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

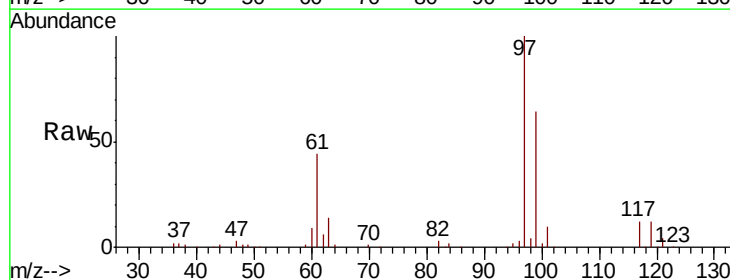
Tgt Ion: 97 Resp: 161862

Ion Ratio Lower Upper

97 100

99 63.9 50.5 75.7

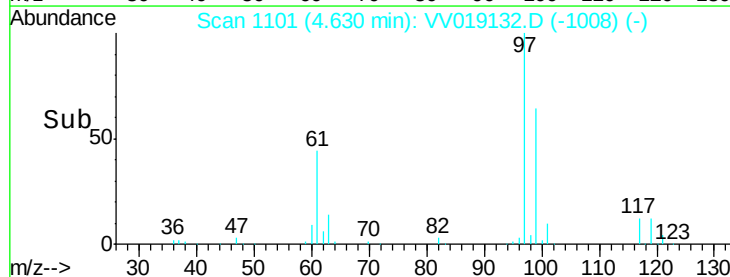
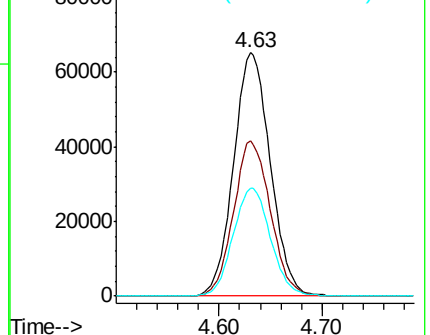
61 45.1 38.1 57.1

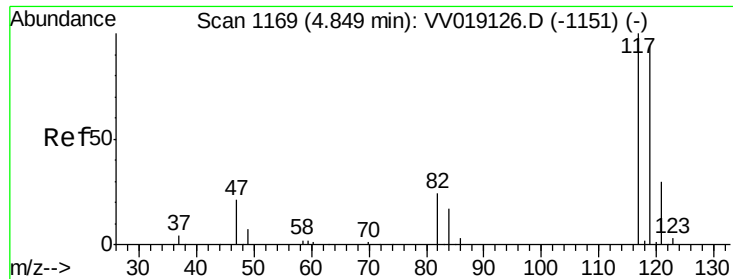


Abundance Ion 97.00 (96.70 to 97.70): VV019132.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV019132.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV019132.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 53.459 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

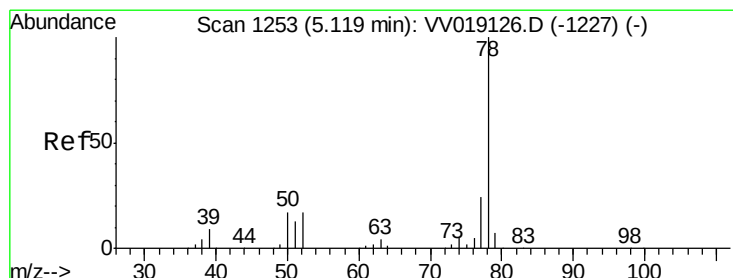
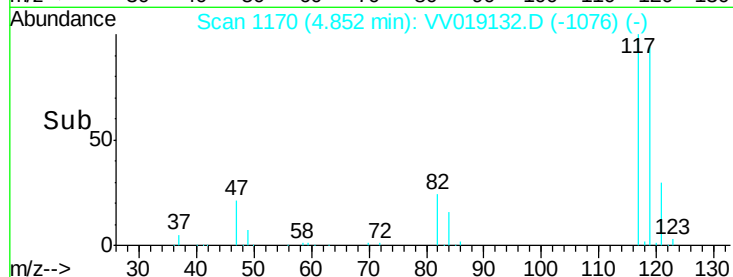
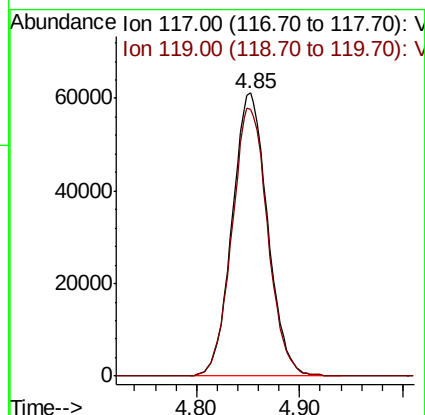
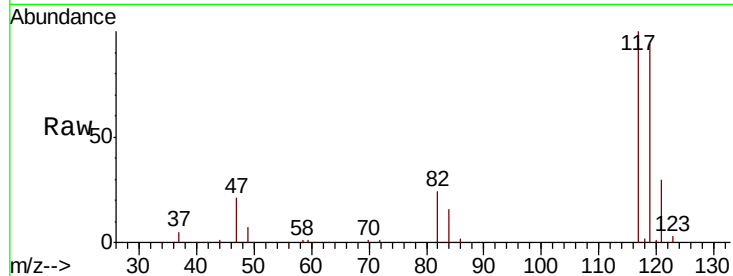
VSTD05077

Tot Ion:117 Resp: 145936

Ion Ratio Lower Upper

117 100

119 95.6 77.2 115.8



#33

Benzene

Concen: 46.134 ug/L

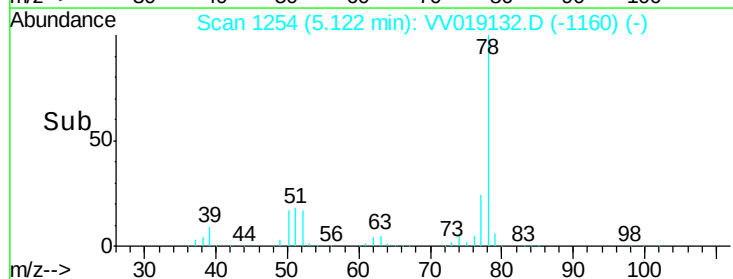
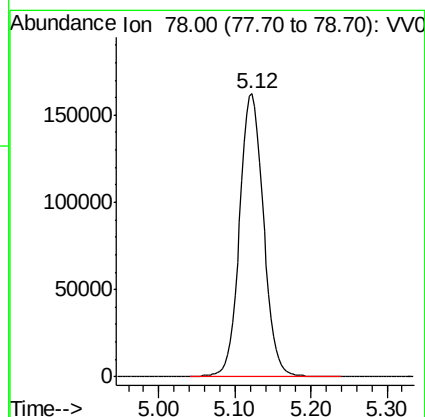
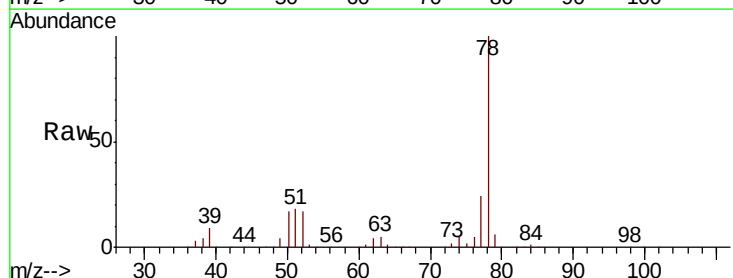
RT: 5.12 min Scan# 1254

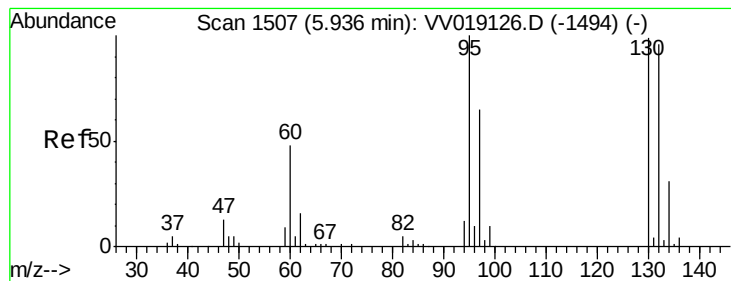
Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Tgt Ion: 78 Resp: 355199





#34

Trichloroethene

Concen: 48.377 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

Tot Ion: 95 Resp: 94123

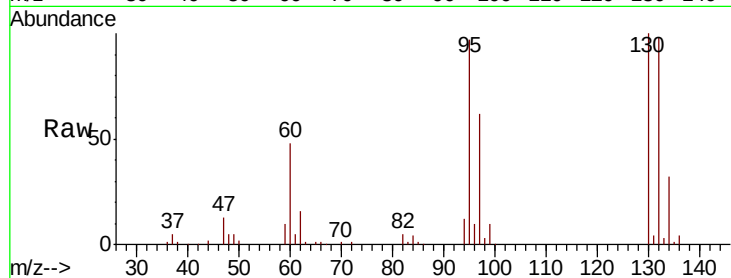
Ion Ratio Lower Upper

95 100

97 63.9 44.6 82.8

132 100.5 66.0 122.6

130 103.0 67.6 125.6

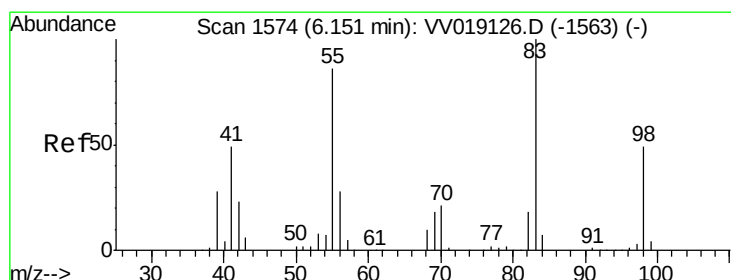
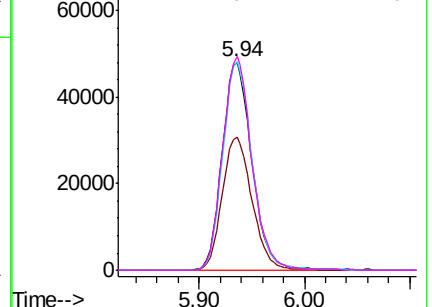
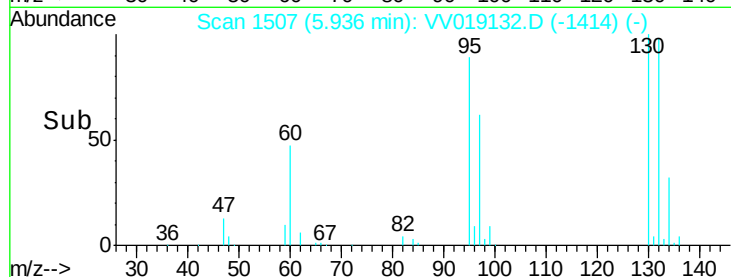


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.911 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

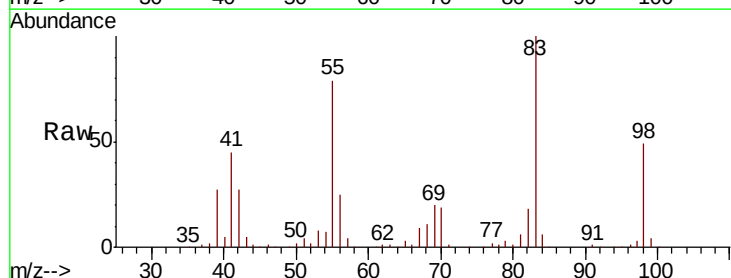
Tgt Ion: 83 Resp: 132864

Ion Ratio Lower Upper

83 100

55 78.9 68.1 102.1

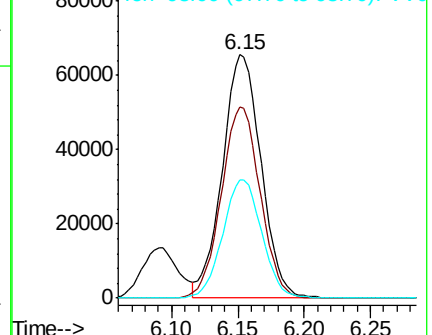
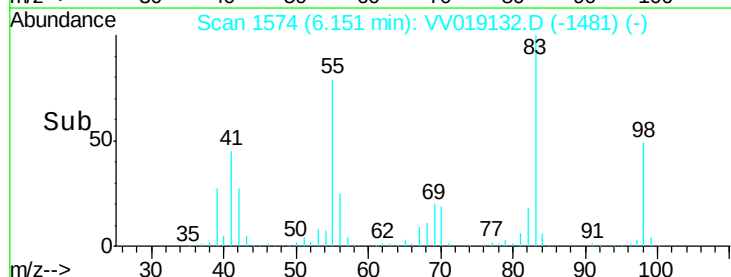
98 49.1 37.9 56.9

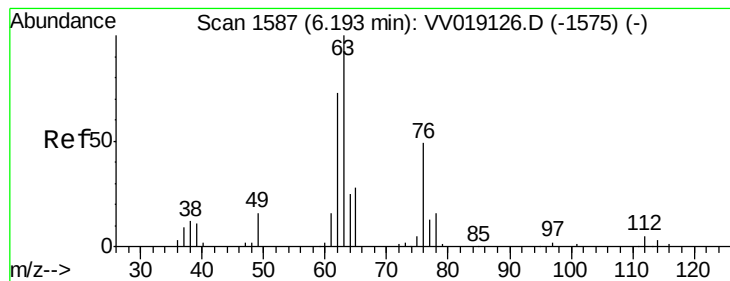


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 42.183 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampled :

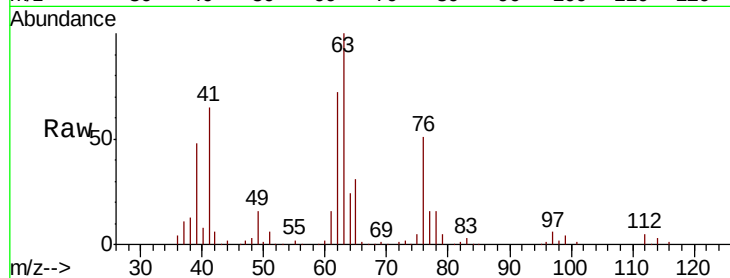
VSTD05077

Tot Ion: 63 Resp: 89412

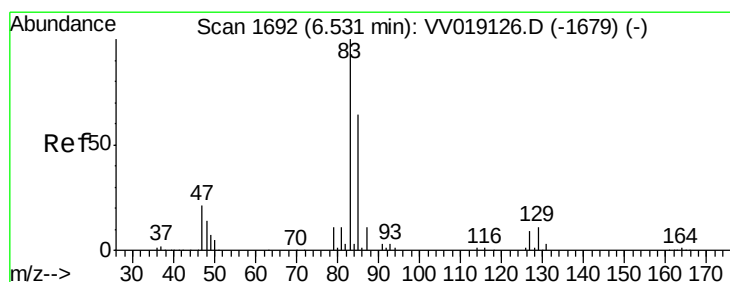
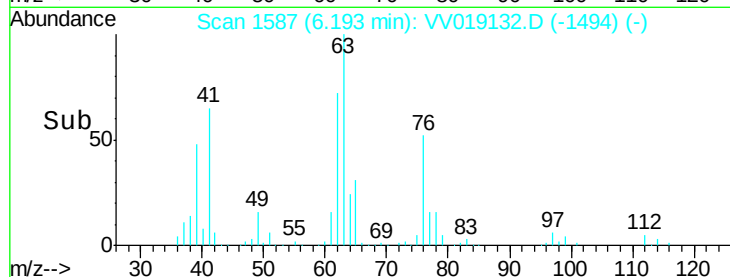
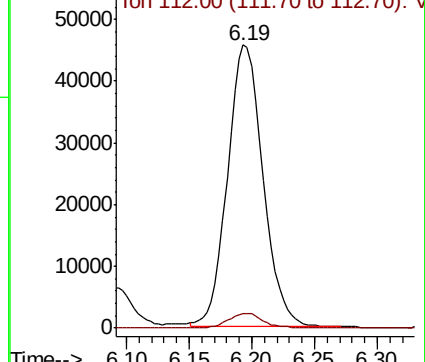
Ion Ratio Lower Upper

63 100

112 5.2 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019132.D (-1494) (-)



#38

Bromodichloromethane

Concen: 48.986 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

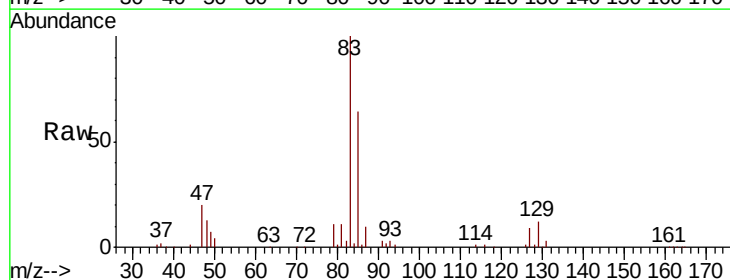
Tgt Ion: 83 Resp: 131380

Ion Ratio Lower Upper

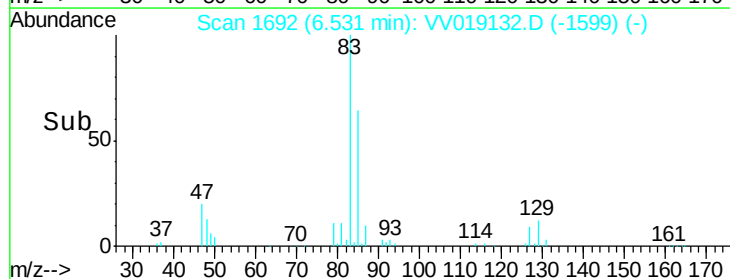
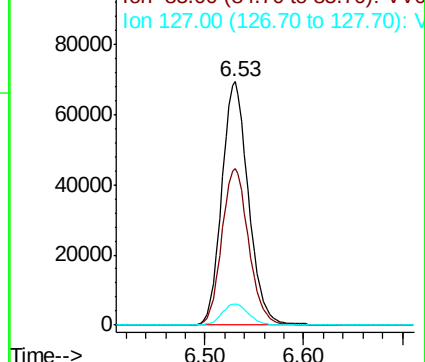
83 100

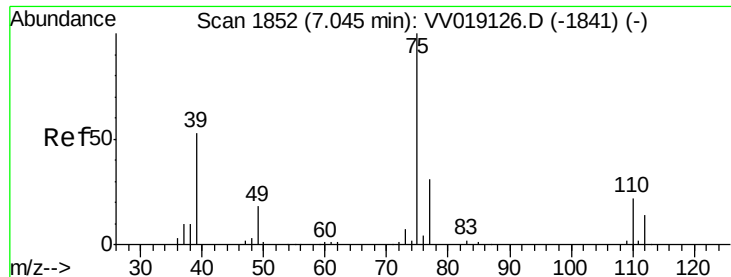
85 64.4 44.9 83.3

127 8.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VV019132.D (-1599) (-)

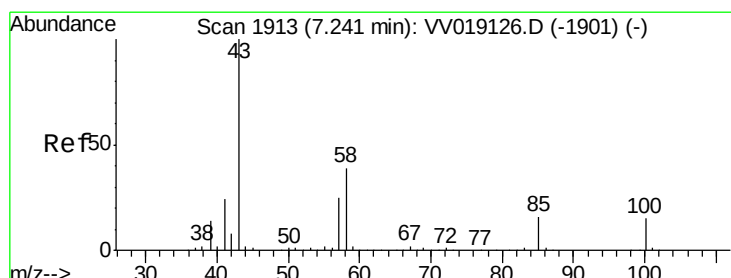
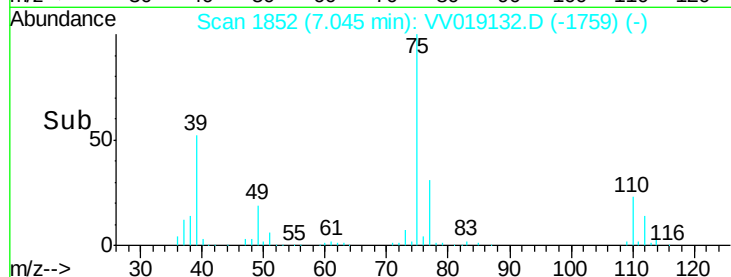
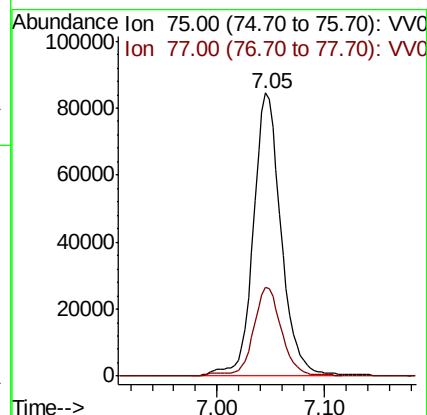
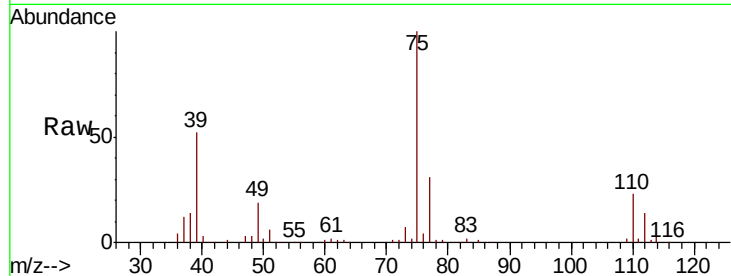




#39
 cis-1,3-Dichloropropene
 Concen: 48.259 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019132.D
 Acq: 28 Oct 2020 09:52

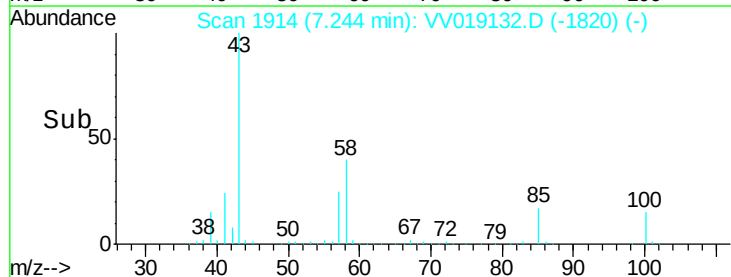
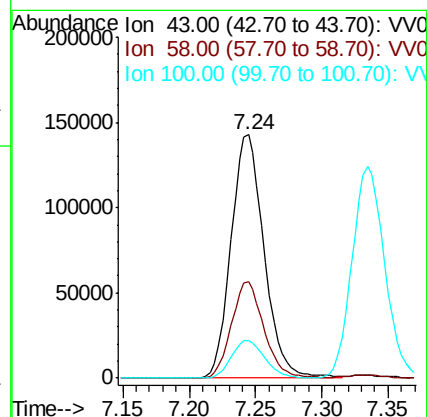
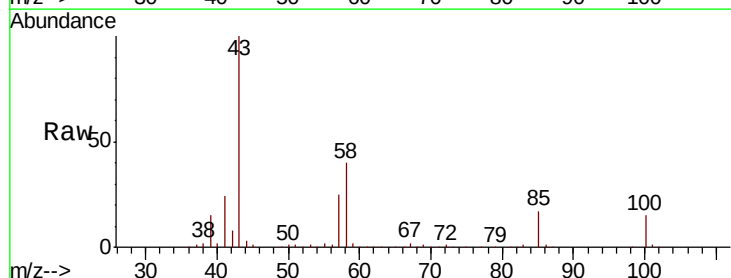
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

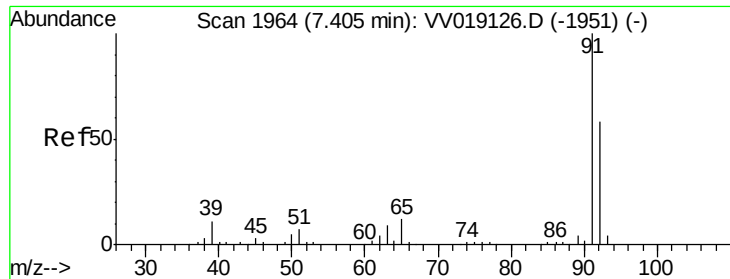
Tot Ion: 75 Resp: 151174
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 86.746 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019132.D
 Acq: 28 Oct 2020 09:52

Tgt Ion: 43 Resp: 248061
 Ion Ratio Lower Upper
 43 100
 58 38.7 29.6 44.4
 100 15.6 10.9 16.3





#42

Toluene

Concen: 49.067 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

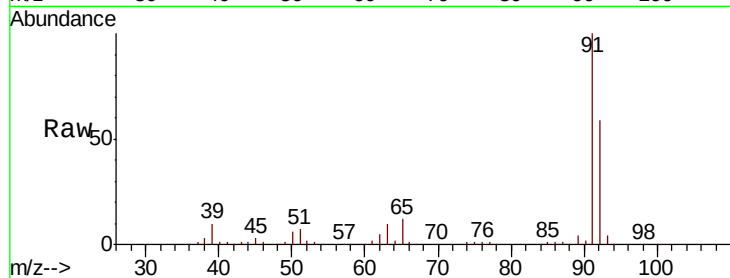
VSTD05077

Tot Ion: 91 Resp: 387775

Ion Ratio Lower Upper

91 100

92 58.6 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

250000

200000

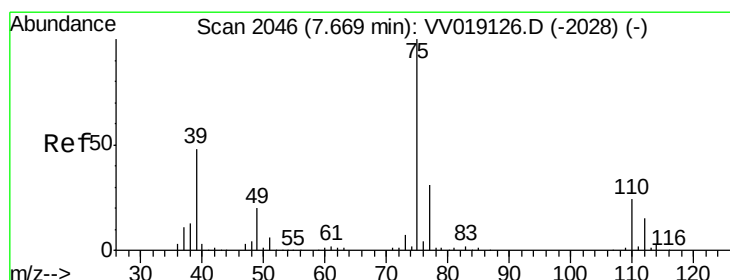
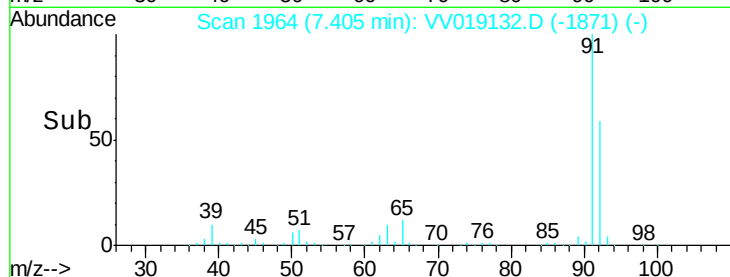
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.679 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019132.D

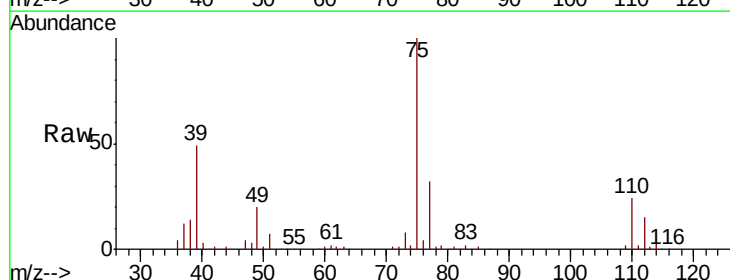
Acq: 28 Oct 2020 09:52

Tgt Ion: 75 Resp: 154390

Ion Ratio Lower Upper

75 100

77 32.4 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

100000

80000

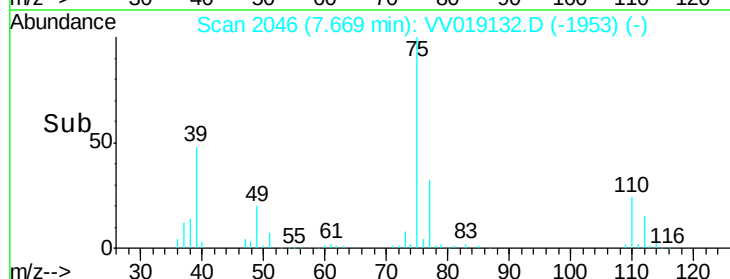
60000

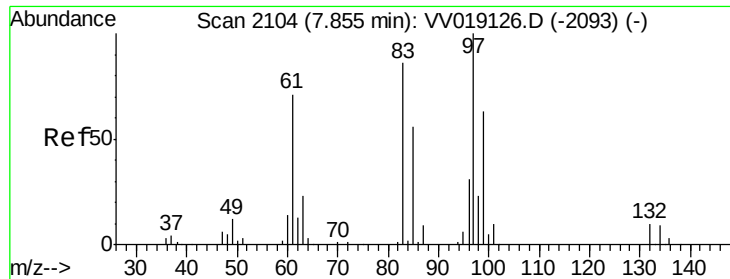
40000

20000

0

Time-->

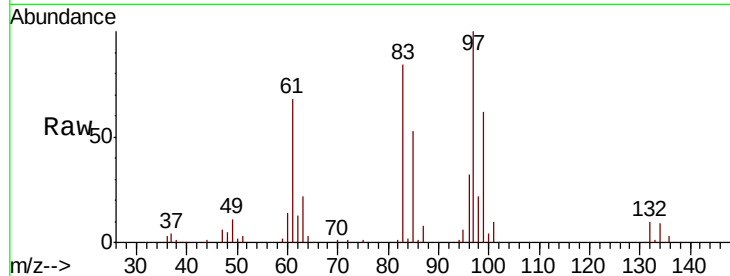




#45
1,1,2-Trichloroethane
Concen: 46.555 ug/L
RT: 7.86 min Scan# 2104
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

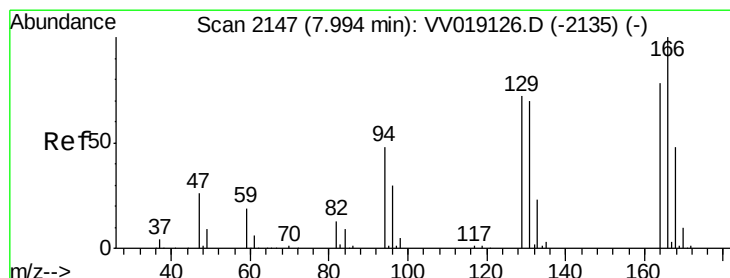
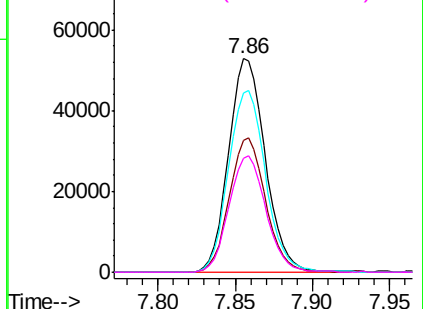
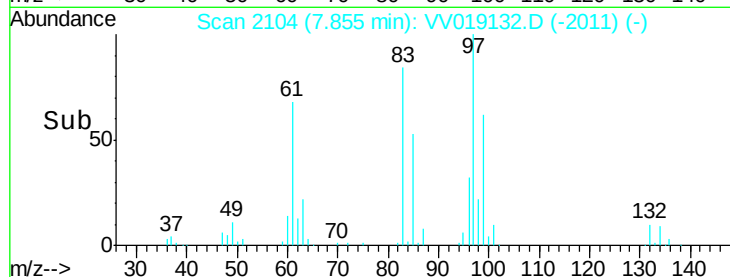
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion:	97	Resp:	87155
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.5	80.9
83	84.0	62.2	115.4
85	53.5	39.9	74.1



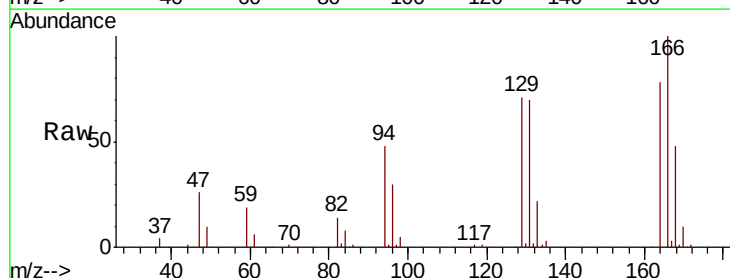
Abundance

Ion 97.00 (96.70 to 97.70): VV019132.D (-2011) (-)



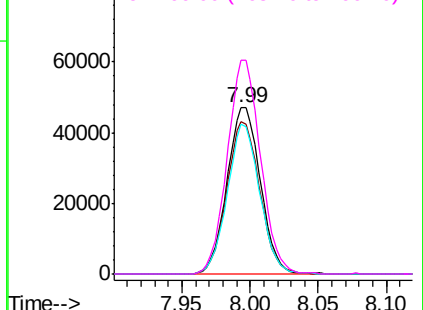
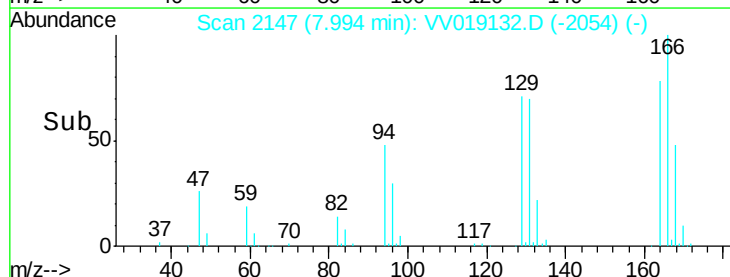
#46
Tetrachloroethene
Concen: 53.664 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

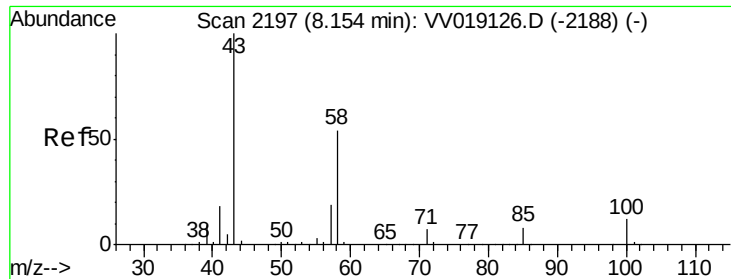
Tgt Ion:	164	Resp:	80123
Ion	Ratio	Lower	Upper
164	100		
129	91.7	65.5	121.6
131	89.8	62.4	115.8
166	128.4	90.0	167.2



Abundance

Ion 164.00 (163.70 to 164.70): VV019132.D (-2054) (-)

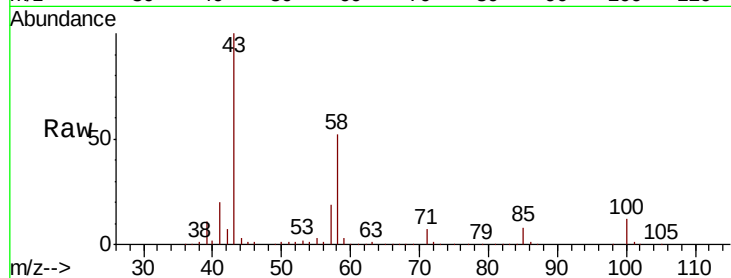




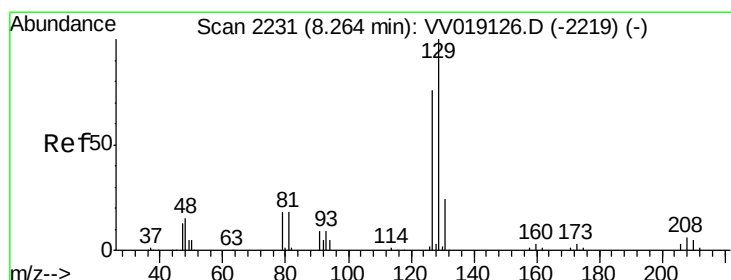
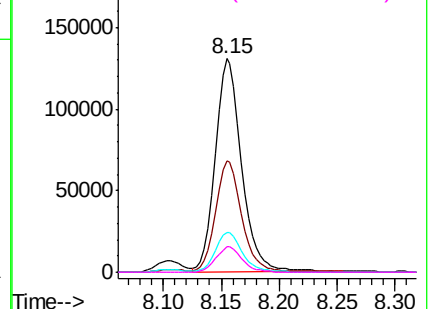
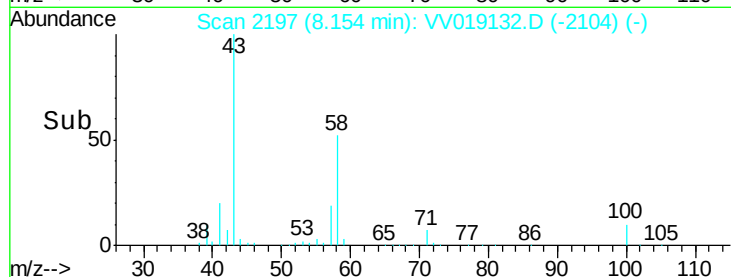
#48
2-Hexanone
Concen: 94.430 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion: 43 Resp: 208372
Ion Ratio Lower Upper
43 100
58 52.2 41.1 61.7
57 18.7 14.7 22.1
100 12.1 8.6 12.8

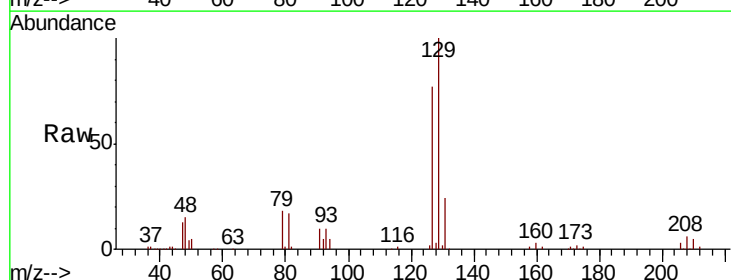


Abundance Ion 43.00 (42.70 to 43.70): VV019132.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019132.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019132.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019132.D (-2104) (-)

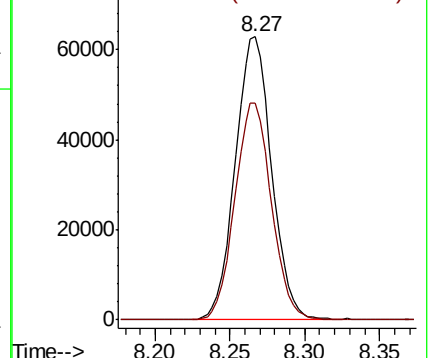
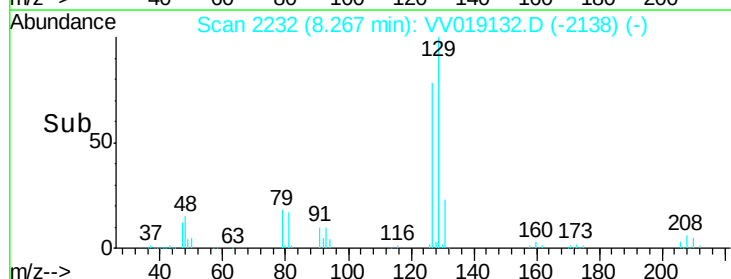


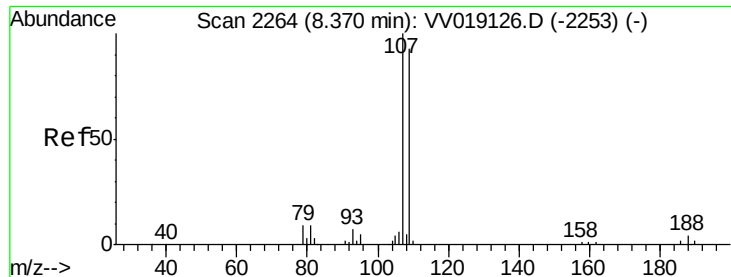
#49
Dibromochloromethane
Concen: 51.996 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

Tgt Ion: 129 Resp: 106398
Ion Ratio Lower Upper
129 100
127 76.6 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019132.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019132.D (-2138) (-)

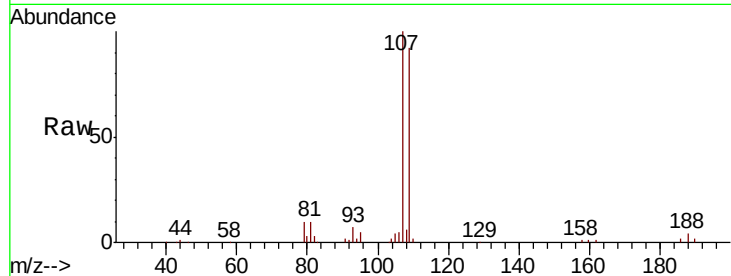




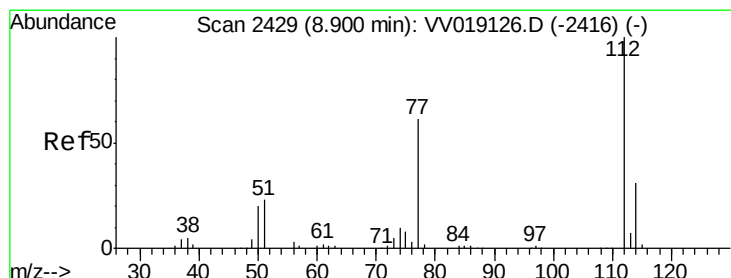
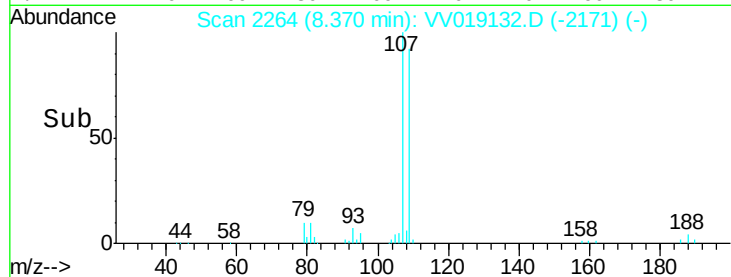
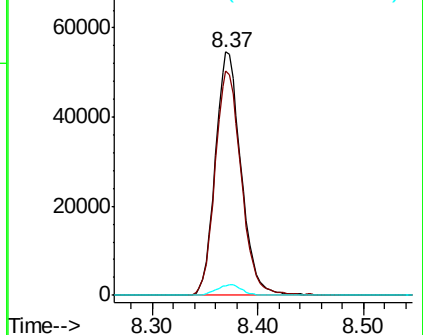
#50
1,2-Dibromoethane
Concen: 47.522 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion:107 Resp: 92324
Ion Ratio Lower Upper
107 100
109 92.3 66.1 122.7
188 4.1 3.2 4.8

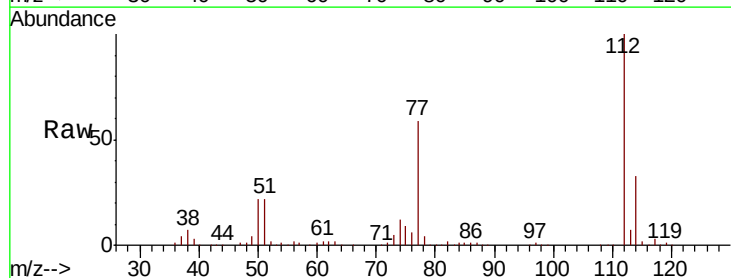


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

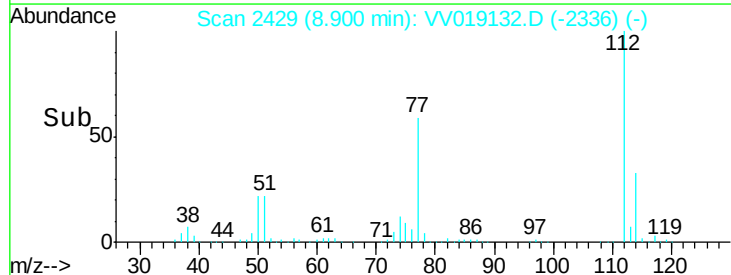
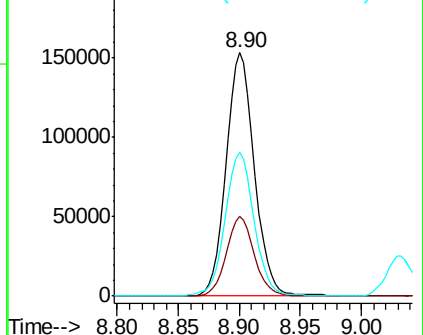


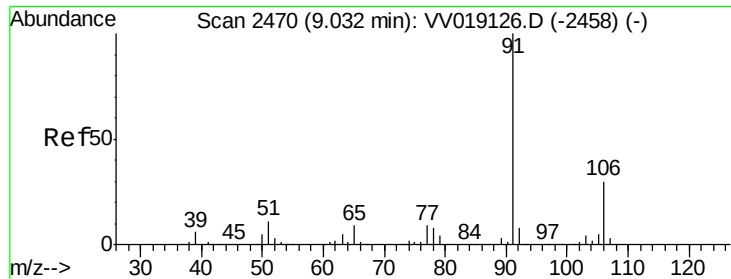
#51
Chlorobenzene
Concen: 49.188 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

Tgt Ion:112 Resp: 249317
Ion Ratio Lower Upper
112 100
114 32.6 22.2 41.2
77 59.2 49.1 73.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.678 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

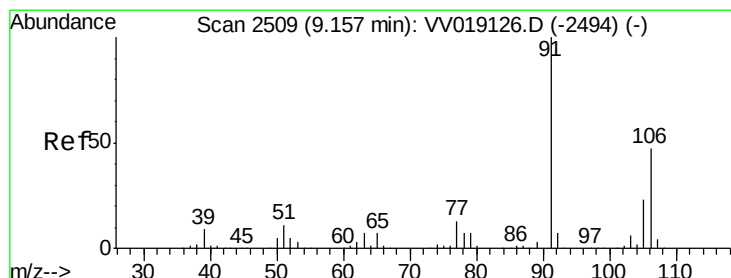
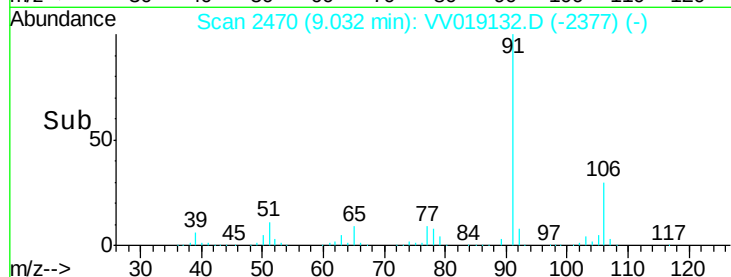
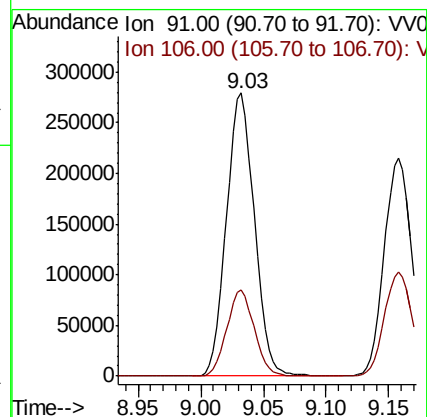
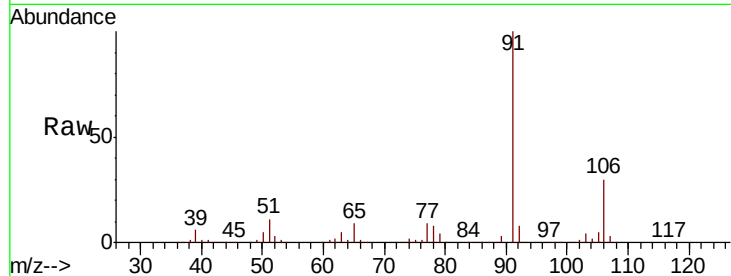
VSTD05077

Tot Ion: 91 Resp: 433086

Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.7



#53

m,p-Xylene

Concen: 52.199 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019132.D

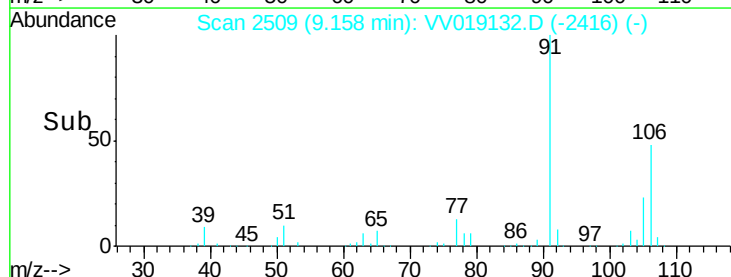
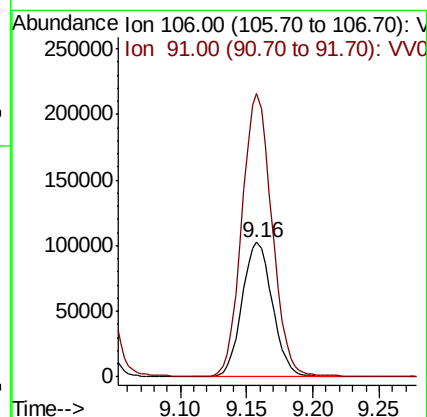
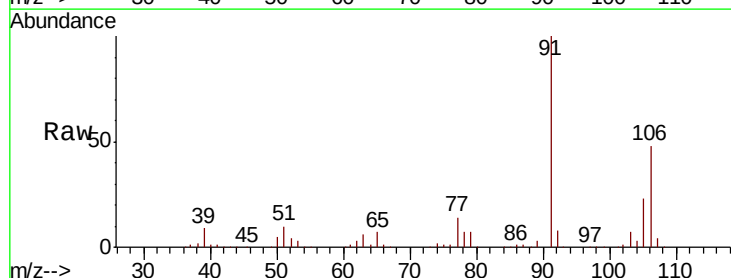
Acq: 28 Oct 2020 09:52

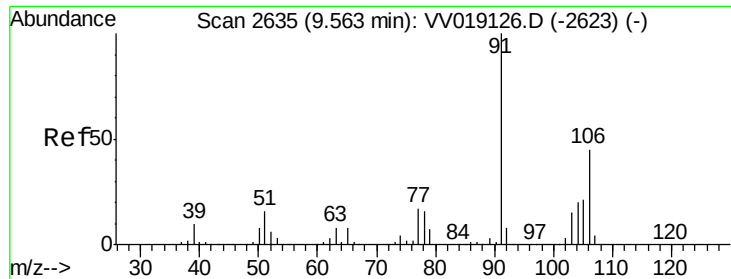
Tgt Ion: 106 Resp: 163302

Ion Ratio Lower Upper

106 100

91 210.2 143.4 266.2

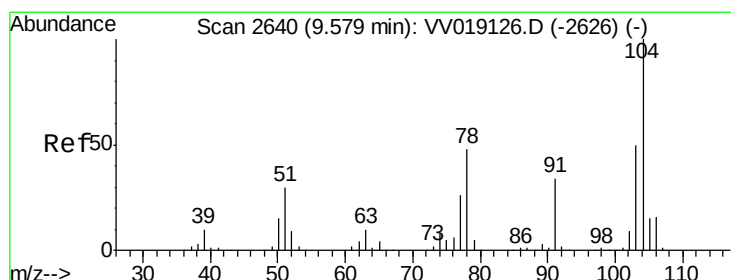
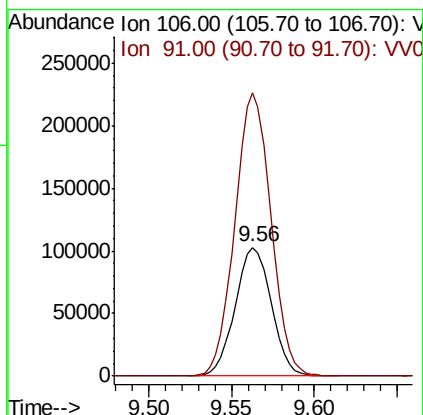
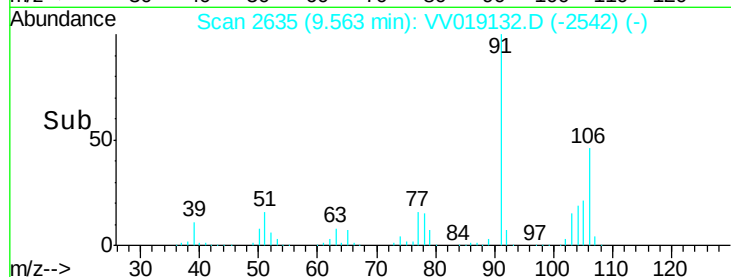
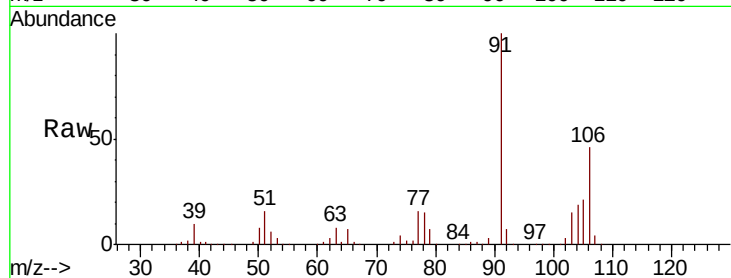




#54
o-xylene
Concen: 51.926 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

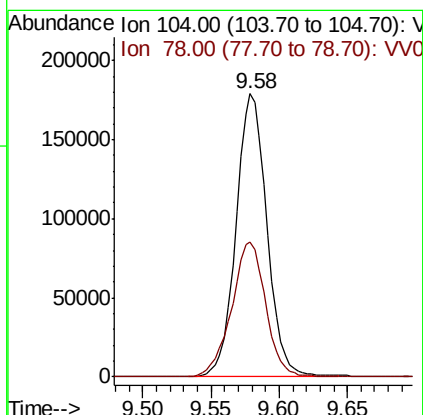
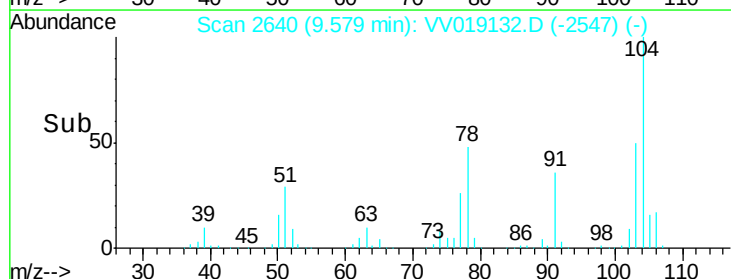
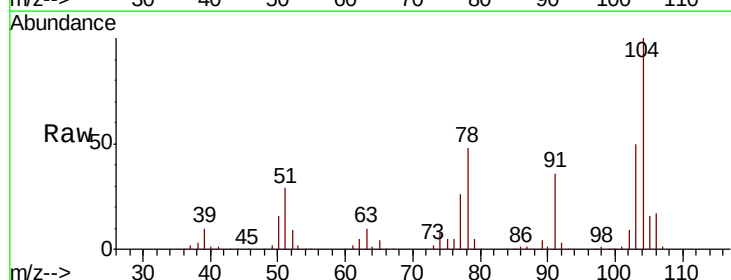
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

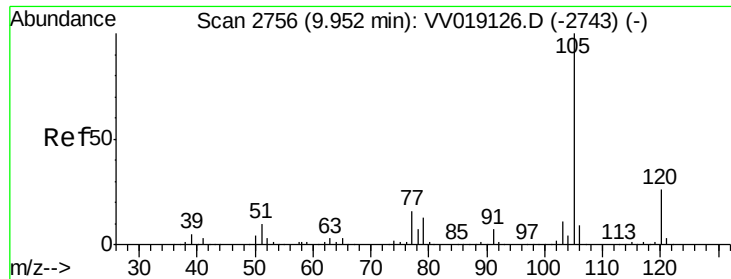
Tot Ion:106 Resp: 156412
Ion Ratio Lower Upper
106 100
91 219.5 154.3 286.5



#55
Styrene
Concen: 52.569 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019132.D
Acq: 28 Oct 2020 09:52

Tgt Ion:104 Resp: 280888
Ion Ratio Lower Upper
104 100
78 47.8 33.2 61.7





#56

Isopropylbenzene

Concen: 53.700 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

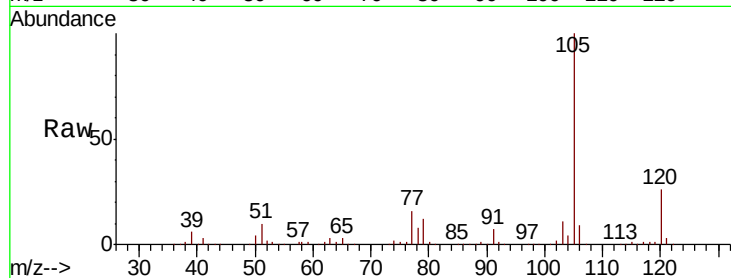
Tot Ion:105 Resp: 425322

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

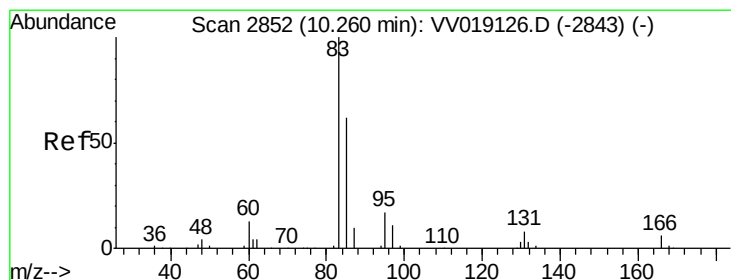
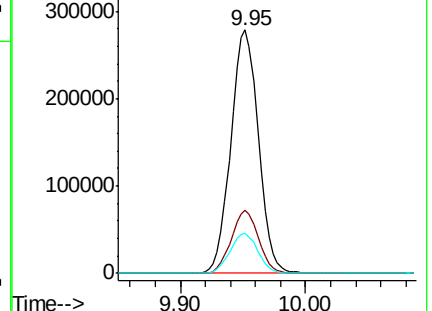
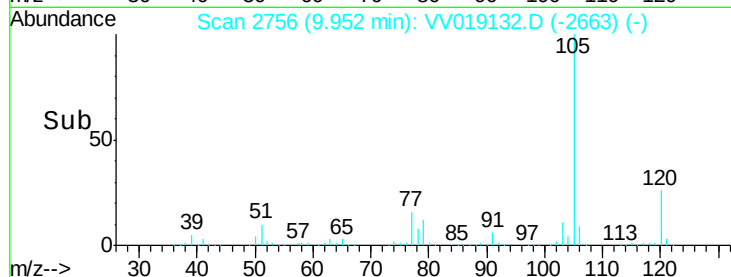
77 16.6 13.4 20.0



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: 43.735 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

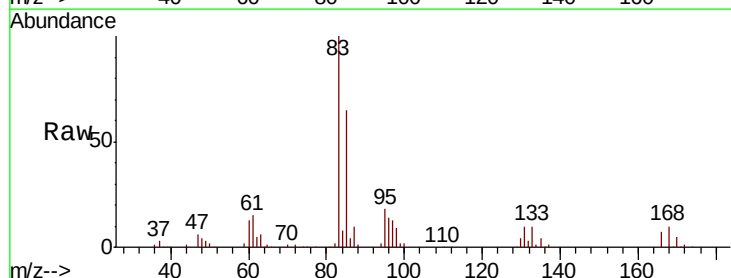
Tgt Ion: 83 Resp: 134722

Ion Ratio Lower Upper

83 100

85 64.5 44.2 82.2

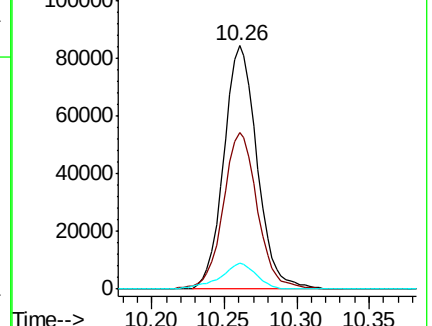
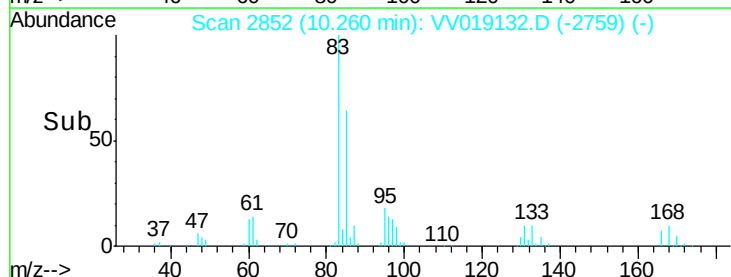
131 10.5 7.4 11.2

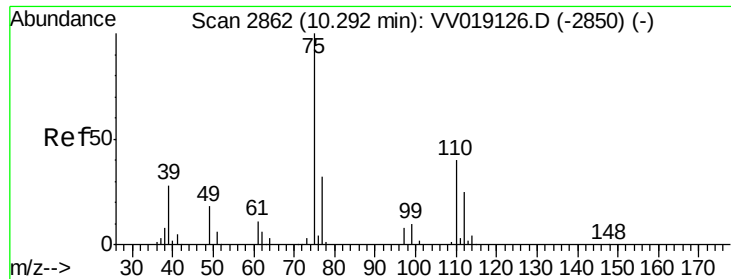


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.506 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

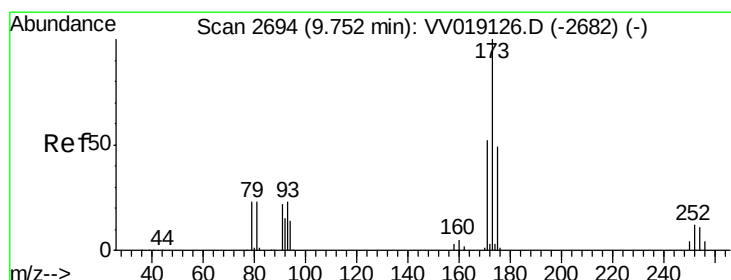
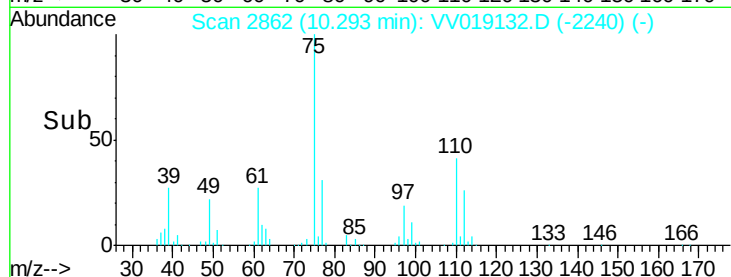
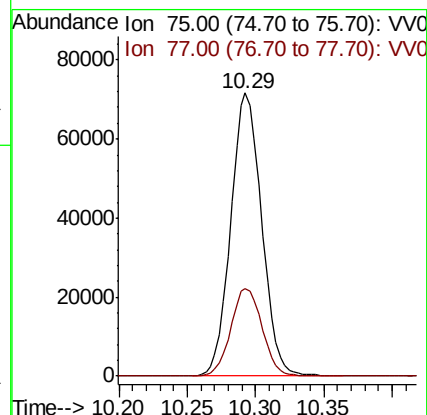
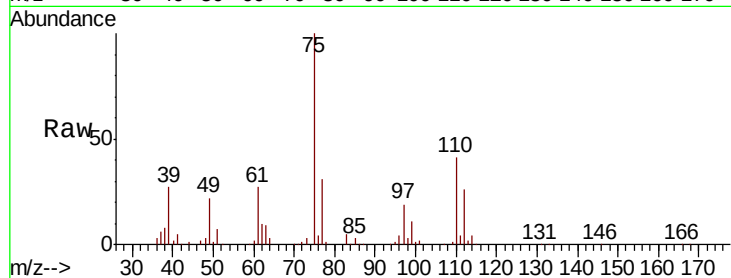
VSTD05077

Tot Ion: 75 Resp: 112784

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9



#61

Bromoform

Concen: 50.550 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

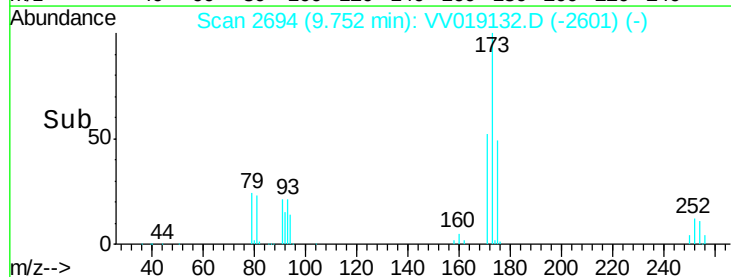
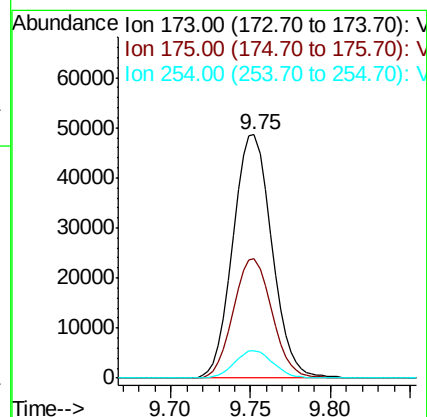
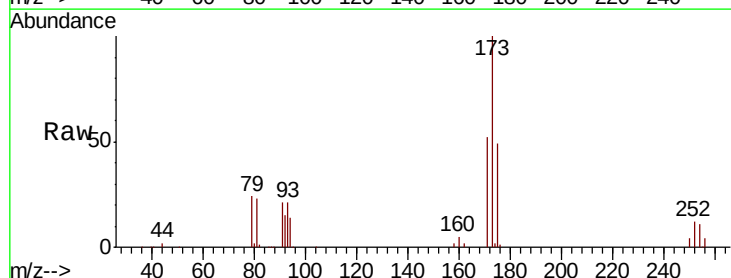
Tgt Ion: 173 Resp: 80879

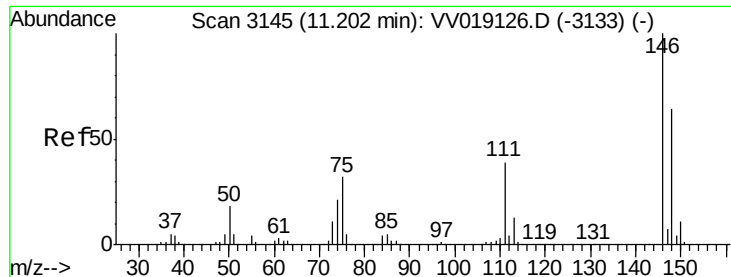
Ion Ratio Lower Upper

173 100

175 48.7 38.3 57.5

254 11.1 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 49.786 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

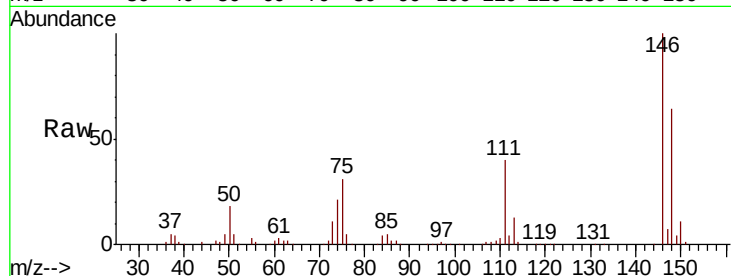
Tot Ion:146 Resp: 212261

Ion Ratio Lower Upper

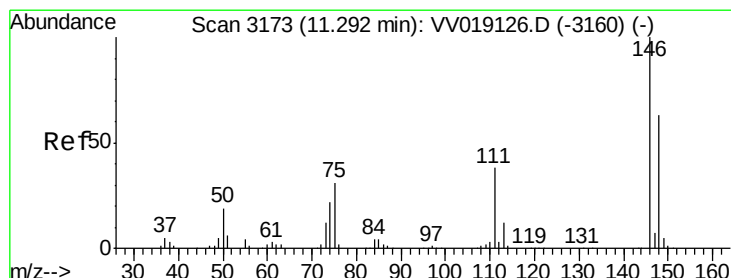
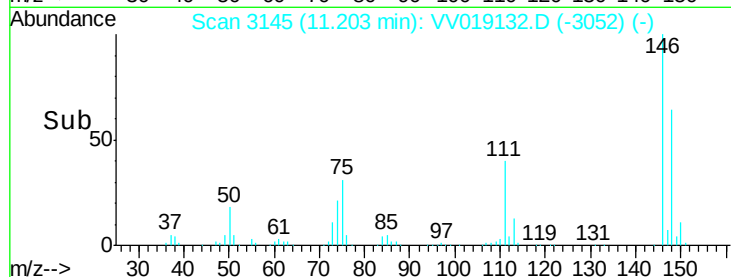
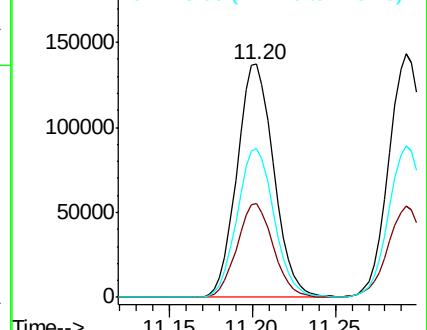
146 100

111 40.1 28.8 53.4

148 64.2 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 49.203 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

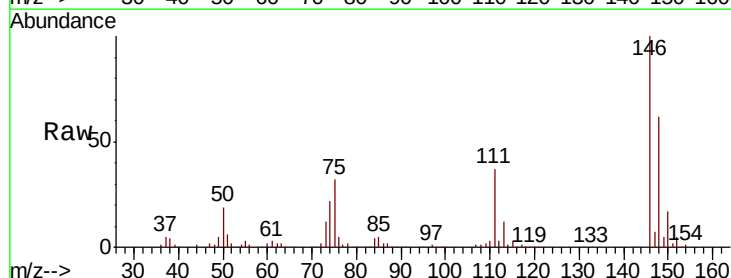
Tgt Ion:146 Resp: 219204

Ion Ratio Lower Upper

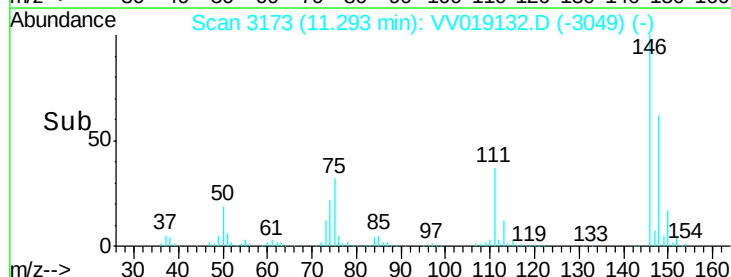
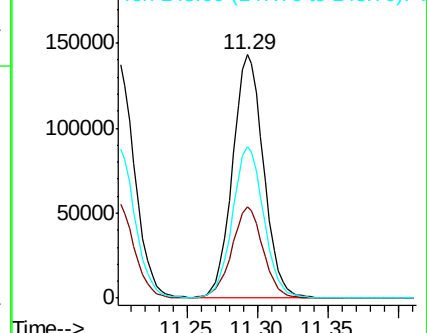
146 100

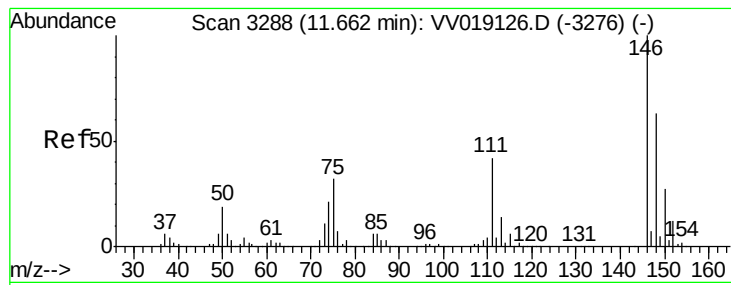
111 37.3 27.8 51.6

148 62.3 45.1 83.9



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





#65

1,2-Dichlorobenzene

Concen: 48.429 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

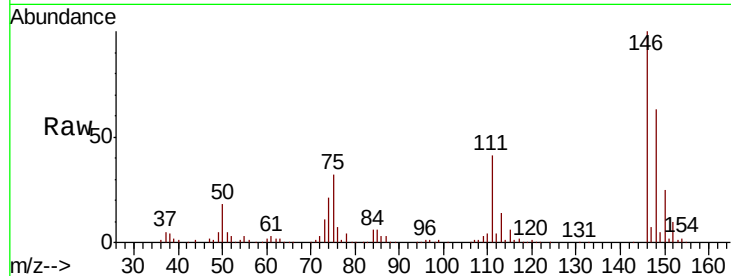
Tot Ion:146 Resp: 208182

Ion Ratio Lower Upper

146 100

111 40.7 33.3 49.9

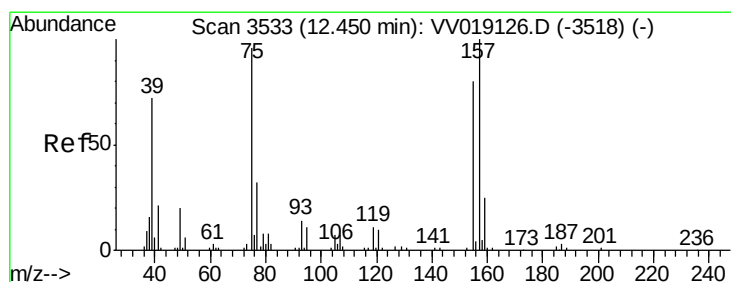
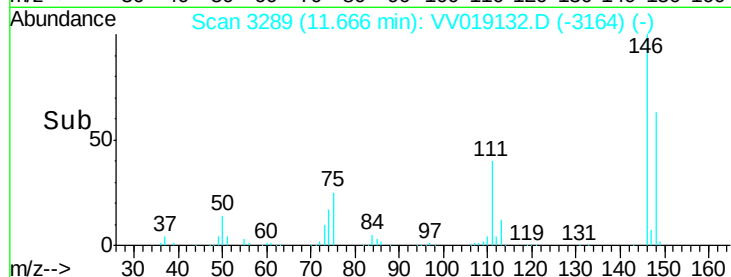
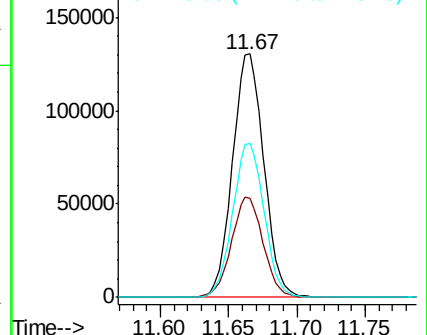
148 63.5 51.1 76.7



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: 44.754 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

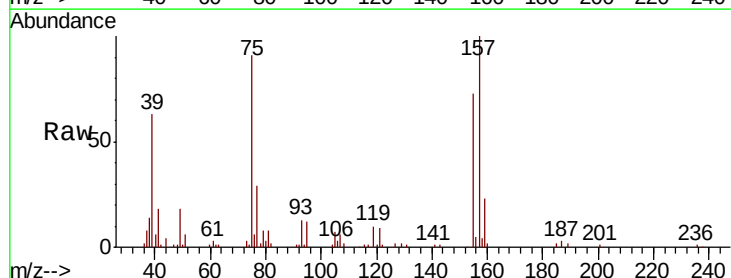
Tgt Ion: 75 Resp: 33989

Ion Ratio Lower Upper

75 100

155 80.6 62.2 93.4

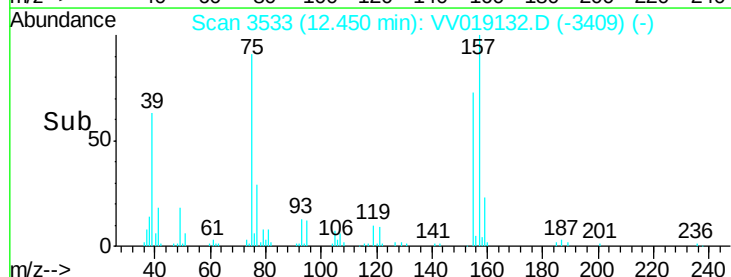
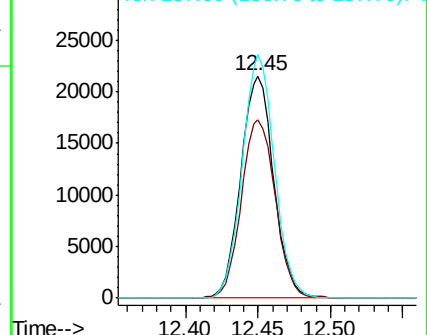
157 109.7 79.9 119.9

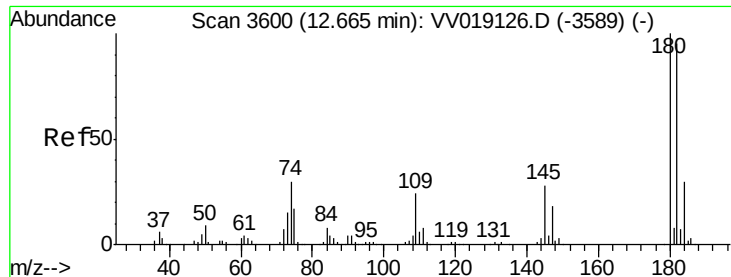


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

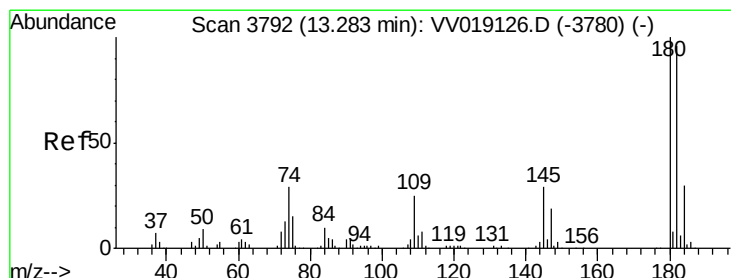
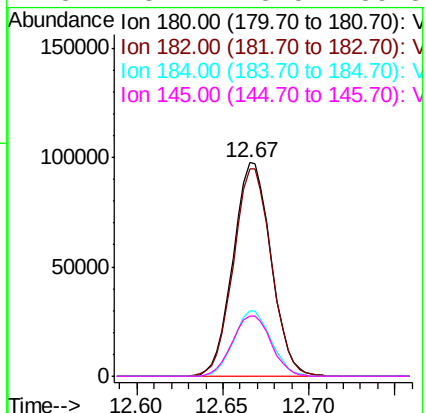
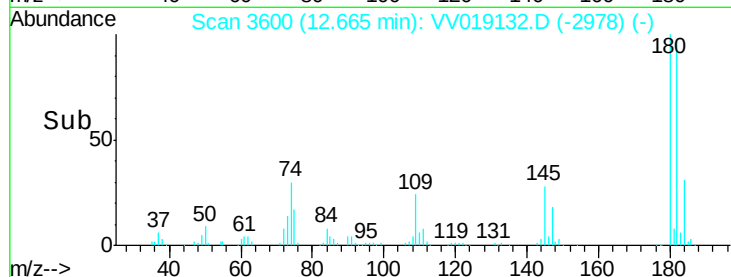
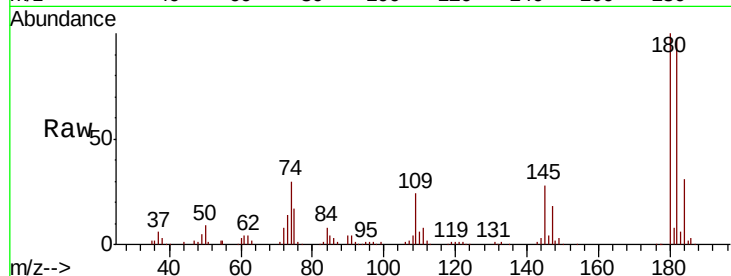




#67
 1,3,5-Trichlorobenzene
 Concen: 51.495 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019132.D
 Acq: 28 Oct 2020 09:52

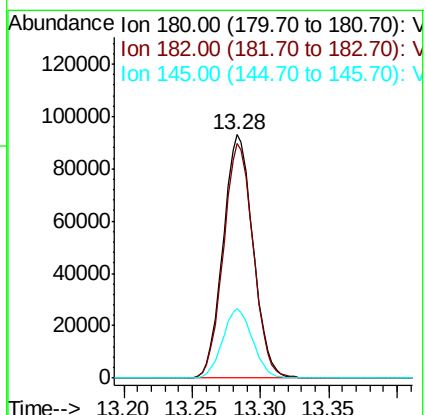
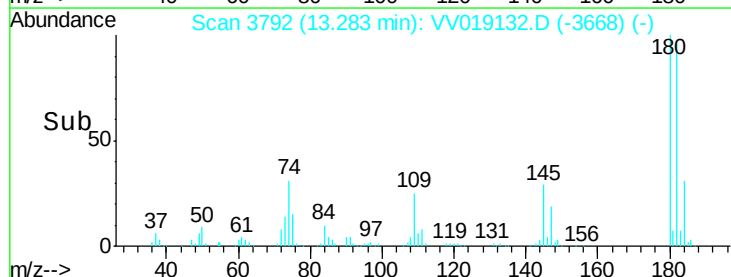
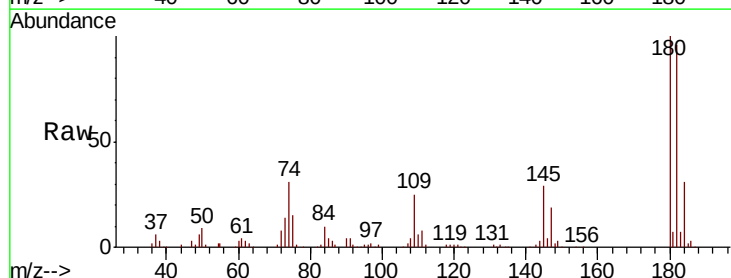
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

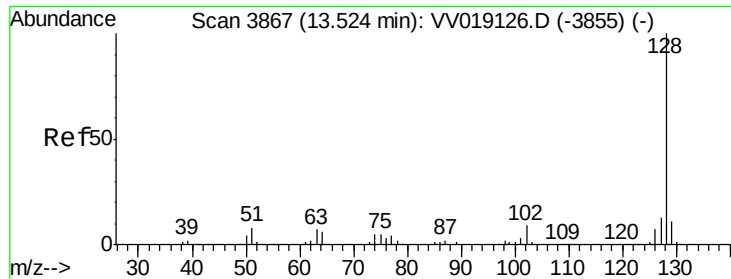
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.0
184	30.1	24.7	37.1
145	28.7	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 51.800 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019132.D
 Acq: 28 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
145	28.4	23.7	35.5





#69

Naphthalene

Concen: 49.502 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

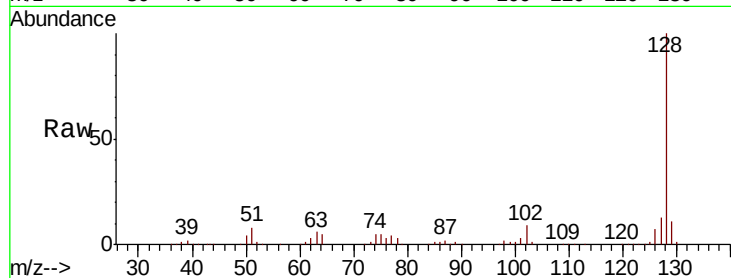
Tot Ion:128 Resp: 418712

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

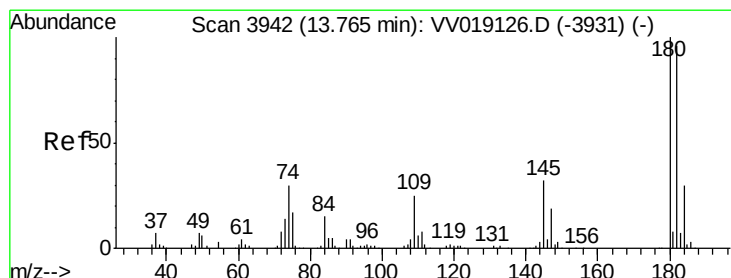
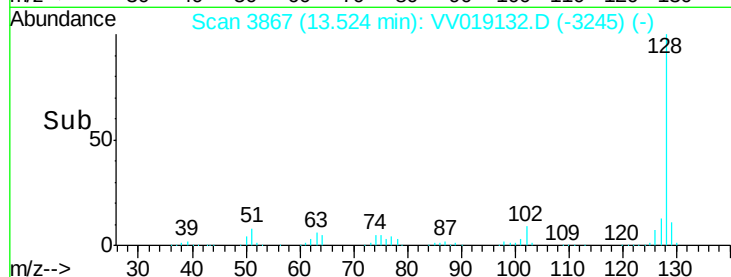
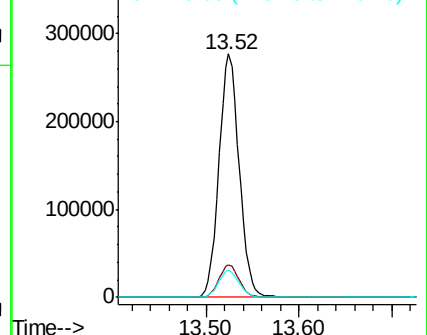
129 11.1 8.7 13.1



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: 51.492 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019132.D

Acq: 28 Oct 2020 09:52

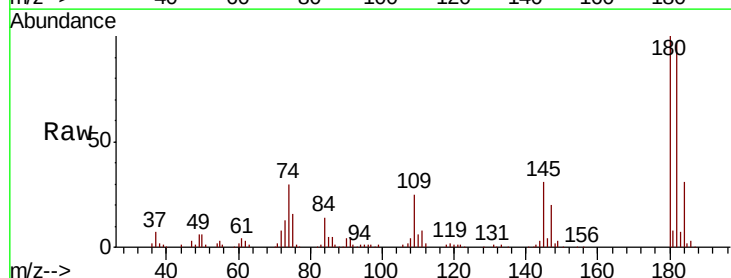
Tgt Ion:180 Resp: 143226

Ion Ratio Lower Upper

180 100

182 95.7 76.9 115.3

145 30.6 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

