

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110220\
 Data File : VV019204.D
 Acq On : 02 Nov 2020 15:37
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Quant Time: Nov 03 03:27:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 03:19:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	251865	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	243880	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137341	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66808	33.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.76%
7) Chloroethane-d5	1.58	69	55832	35.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.82%
11) 1,1-Dichloroethene-d2	2.12	63	148839	39.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.18%
21) 2-Butanone-d5	3.90	46	99340	81.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.03%
24) Chloroform-d	4.37	84	153633	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.05	65	105079	40.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.00%
32) Benzene-d6	5.07	84	279636	40.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.84%
36) 1,2-Dichloropropane-d6	6.09	67	84509	40.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.94%
41) Toluene-d8	7.33	98	267001	40.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.36%
43) trans-1,3-Dichloropropene-	7.64	79	50090	41.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.92%
47) 2-Hexanone-d5	8.10	63	73454	82.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.23%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	116512	41.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	119410	41.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	102893	46.525	ug/L	98
3) Chloromethane	1.25	50	91747	45.684	ug/L	96
5) Vinyl chloride	1.32	62	95460	46.428	ug/L	100
6) Bromomethane	1.53	94	62740	45.554	ug/L	100
8) Chloroethane	1.60	64	58955	46.114	ug/L	99
9) Trichlorofluoromethane	1.76	101	158978	46.391	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	78230	47.435	ug/L	99
12) 1,1-Dichloroethene	2.13	96	74197	45.938	ug/L	90
13) Acetone	2.18	43	92362	81.097	ug/L	98
14) Carbon disulfide	2.31	76	227474	44.309	ug/L	100
15) Methyl Acetate	2.44	43	80072	43.626	ug/L	99
16) Methylene chloride	2.52	84	83666	45.619	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	81005	46.695	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	270229	46.520	ug/L	99
19) 1,1-Dichloroethane	3.21	63	149199	46.163	ug/L	97
20) cis-1,2-Dichloroethene	3.93	96	86825	45.604	ug/L	98
22) 2-Butanone	3.98	43	112964	91.062	ug/L	99

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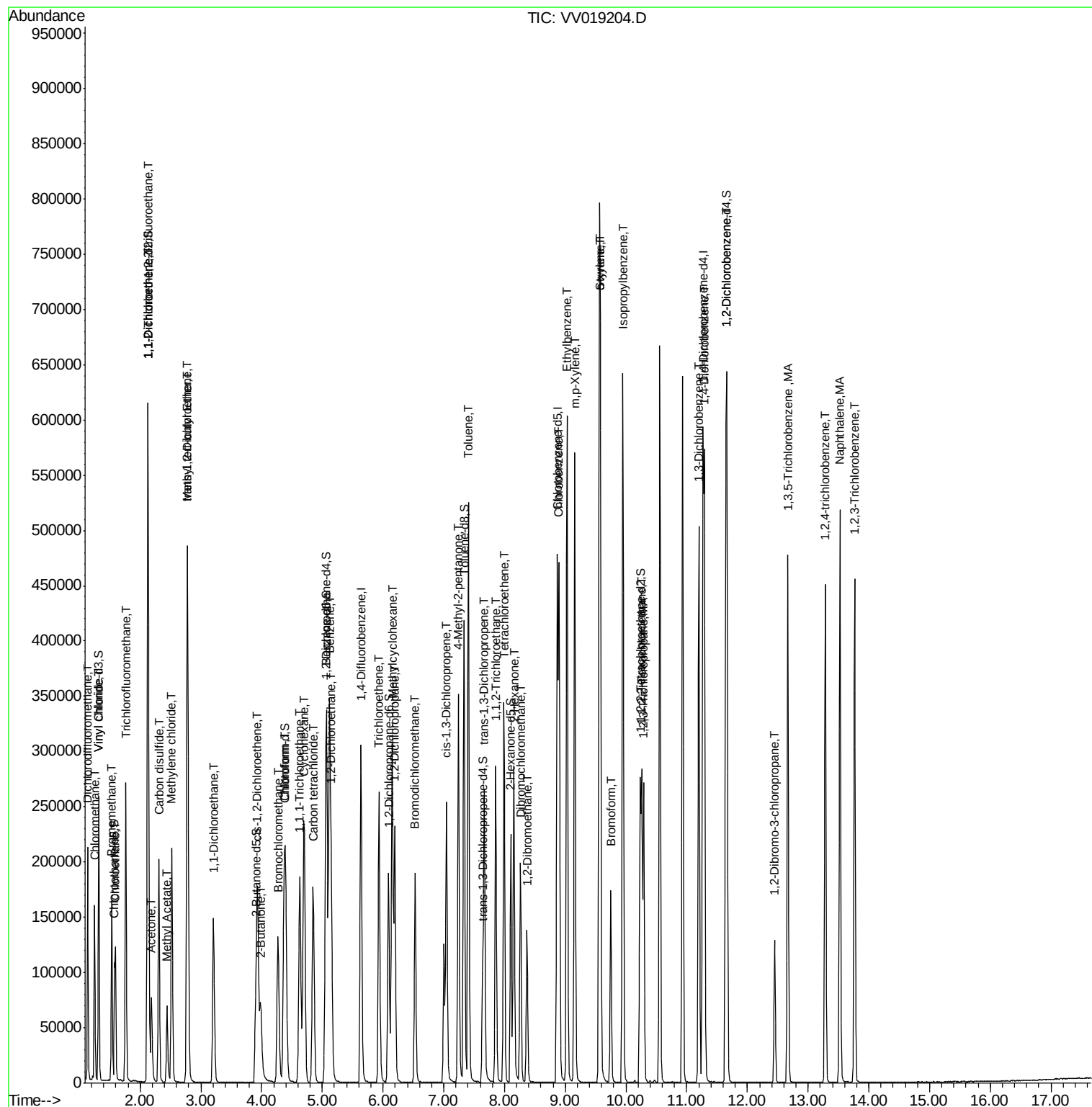
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46028	45.052	ug/L	97
25) Chloroform	4.40	83	159647	45.711	ug/L	97
27) 1,2-Dichloroethane	5.15	62	139275	46.841	ug/L	99
29) Cyclohexane	4.70	56	127782	46.933	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	152833	46.245	ug/L	99
31) Carbon tetrachloride	4.85	117	135068	46.089	ug/L	100
33) Benzene	5.12	78	324630	46.167	ug/L	100
34) Trichloroethene	5.93	95	88928	46.165	ug/L	98
35) Methylcyclohexane	6.15	83	124104	47.723	ug/L	100
37) 1,2-Dichloropropane	6.19	63	83476	47.803	ug/L	100
38) Bromodichloromethane	6.53	83	123781	47.650	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	137625	47.714	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	222502	92.364	ug/L	100
42) Toluene	7.41	91	365464	47.411	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	142597	47.525	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	80681	46.068	ug/L	98
46) Tetrachloroethene	7.99	164	75280	45.766	ug/L	99
48) 2-Hexanone	8.15	43	172887	90.293	ug/L	98
49) Dibromochloromethane	8.26	129	98440	46.423	ug/L	98
50) 1,2-Dibromoethane	8.37	107	87675	46.921	ug/L	100
51) Chlorobenzene	8.90	112	233881	46.278	ug/L	99
52) Ethylbenzene	9.03	91	402967	47.442	ug/L	100
53) m,p-Xylene	9.16	106	152475	47.527	ug/L	99
54) o-xylene	9.56	106	145809	47.338	ug/L	97
55) Styrene	9.58	104	262900	48.156	ug/L	99
56) Isopropylbenzene	9.95	105	397506	48.021	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	122106	45.788	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	102253	44.792	ug/L	99
61) Bromoform	9.75	173	77663	45.841	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	198041	45.715	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	203852	45.279	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	198648	46.289	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	30723	41.840	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	143180	44.898	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	135236	45.262	ug/L	99
69) Naphthalene	13.52	128	383285	45.800	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	135669	46.400	ug/L	99

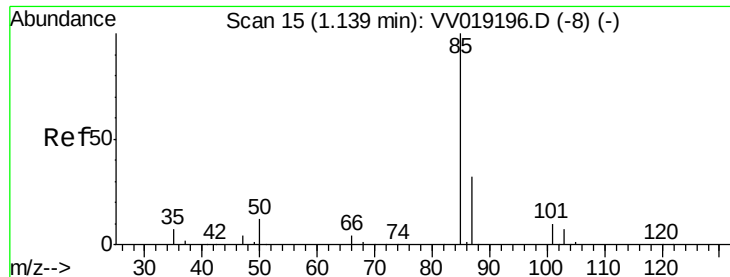
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.525 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

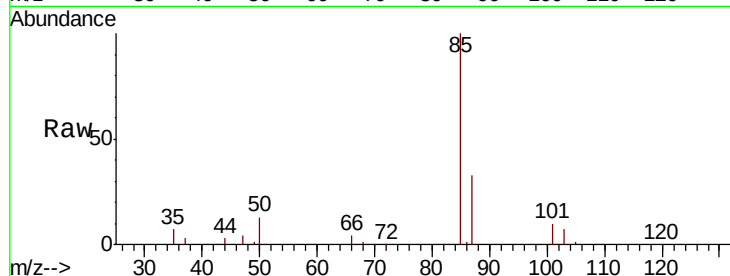
VSTD05084

Tot Ion: 85 Resp: 102893

Ion Ratio Lower Upper

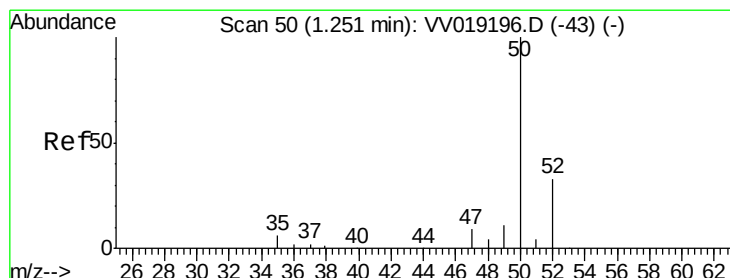
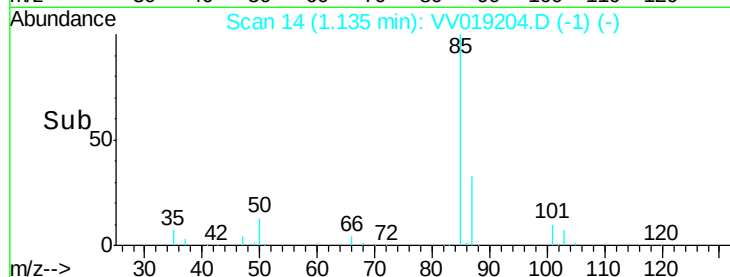
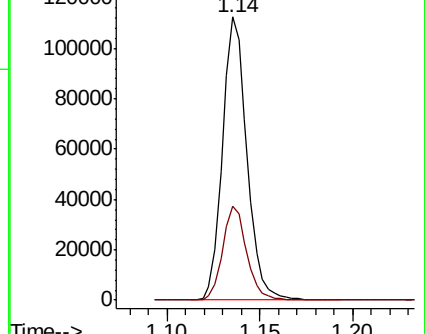
85 100

87 32.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.684 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019204.D

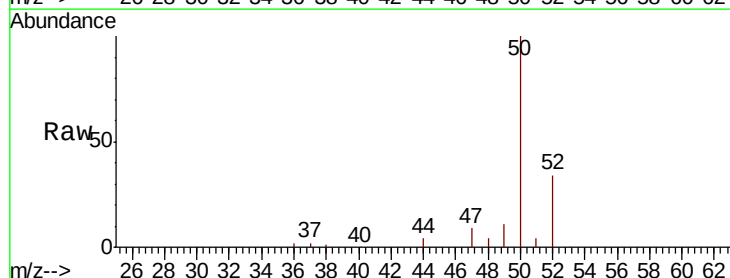
Acq: 02 Nov 2020 15:37

Tgt Ion: 50 Resp: 91747

Ion Ratio Lower Upper

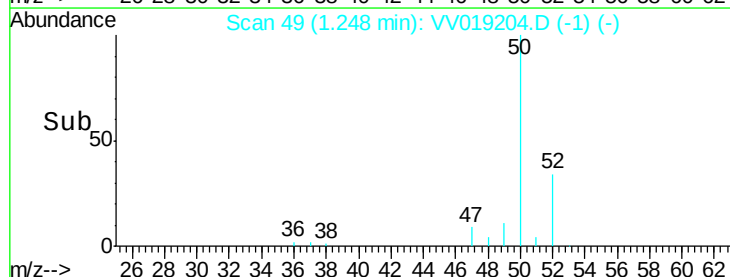
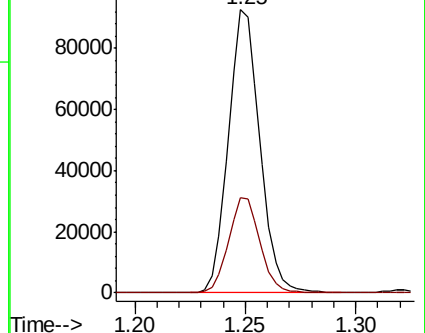
50 100

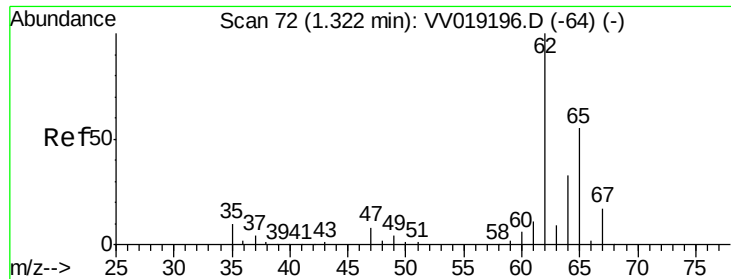
52 33.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.428 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

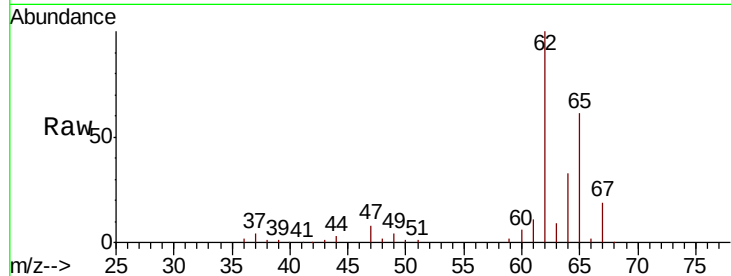
VSTD05084

Tot Ion: 62 Resp: 95460

Ion Ratio Lower Upper

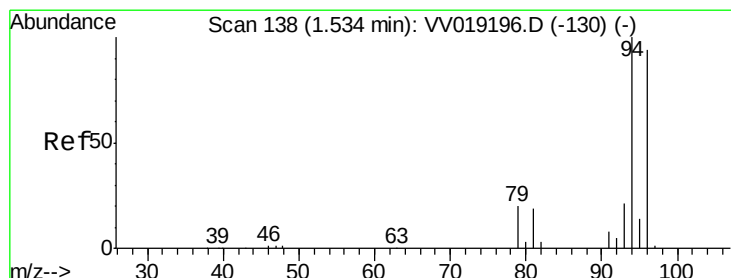
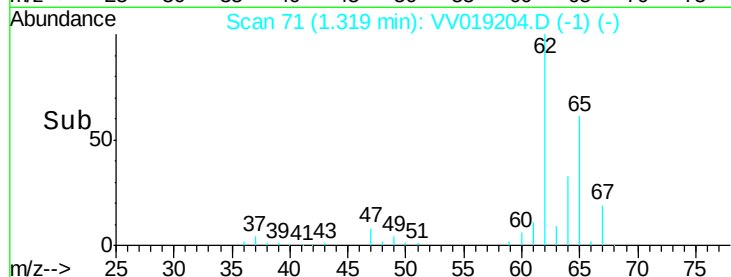
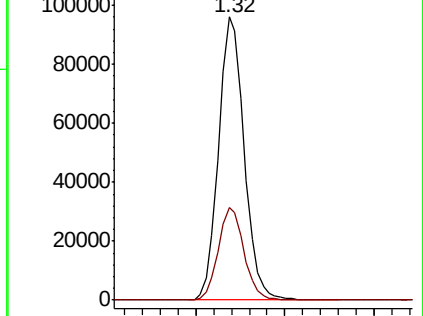
62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.554 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019204.D

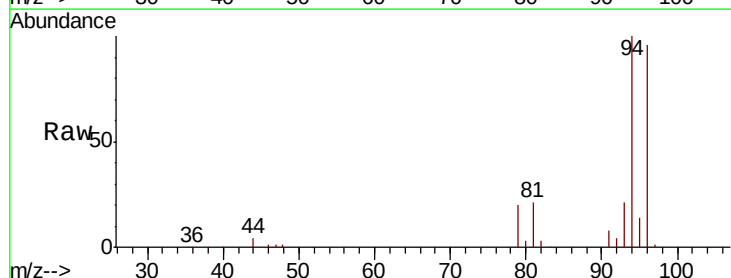
Acq: 02 Nov 2020 15:37

Tgt Ion: 94 Resp: 62740

Ion Ratio Lower Upper

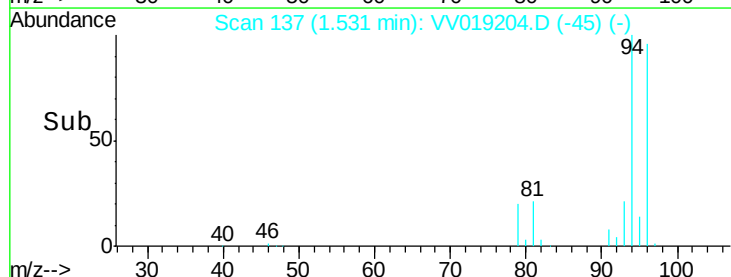
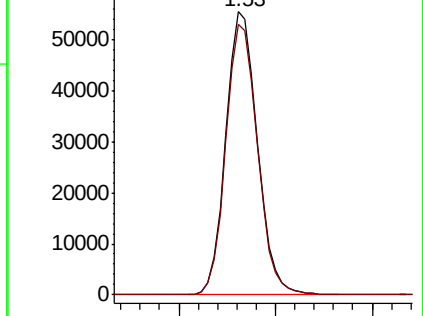
94 100

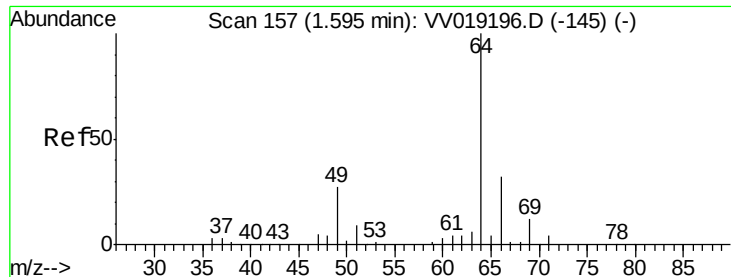
96 95.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.114 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

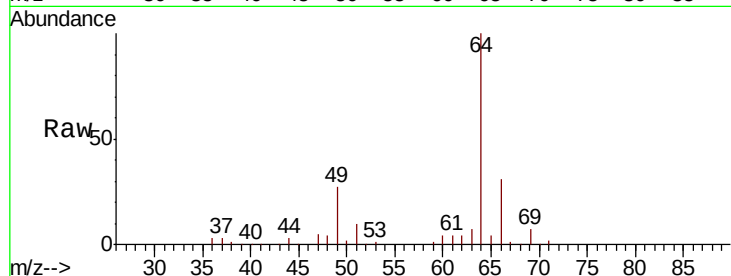
VSTD05084

Tot Ion: 64 Resp: 58955

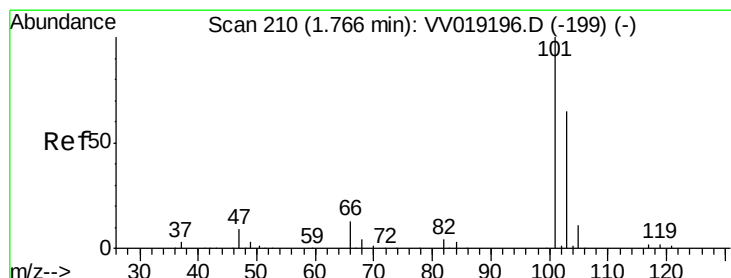
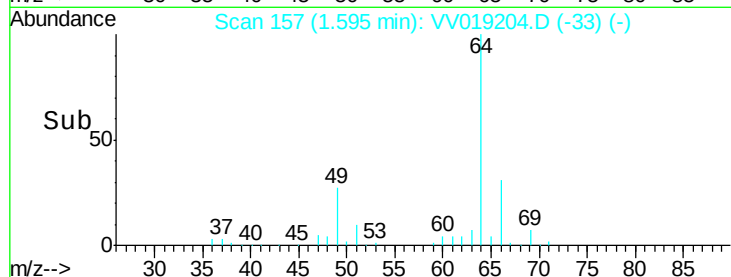
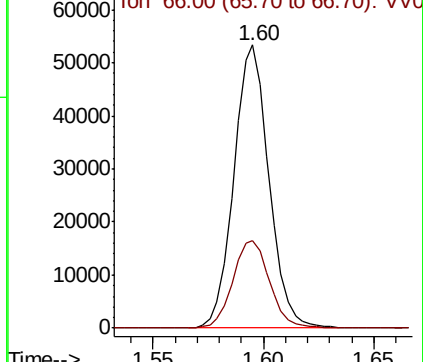
Ion Ratio Lower Upper

64 100

66 31.1 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019196.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 46.391 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019204.D

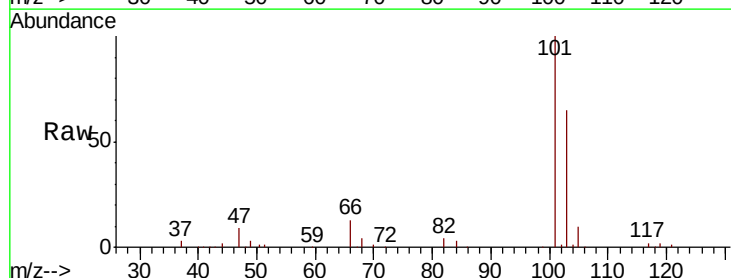
Acq: 02 Nov 2020 15:37

Tgt Ion: 101 Resp: 158978

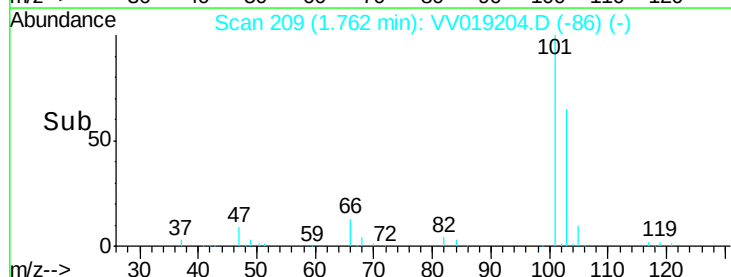
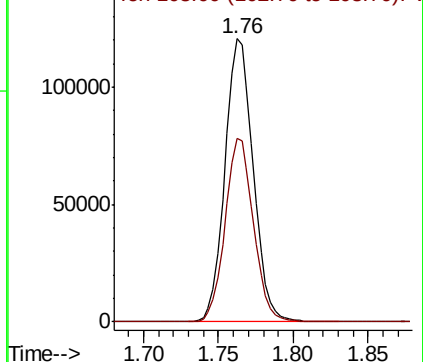
Ion Ratio Lower Upper

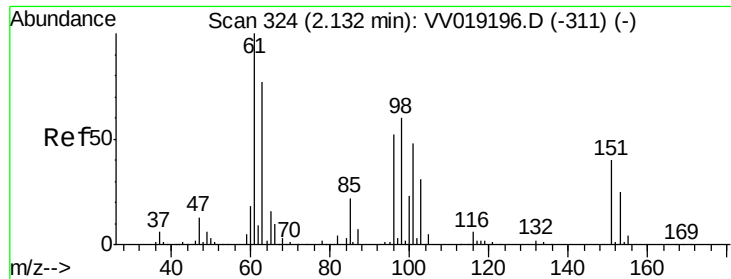
101 100

103 64.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019196.D (-199) (-)





#10

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

Concen: 47.435 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

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VSTD05084

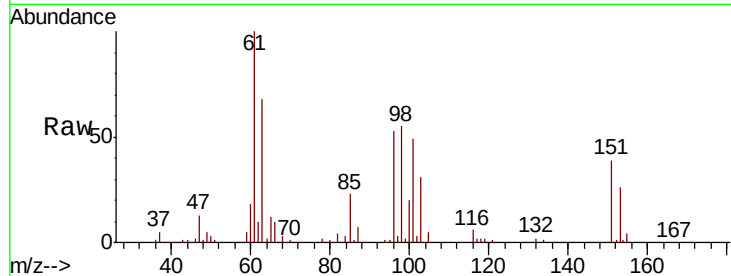
Tot Ion:101 Resp: 78230

Ion Ratio Lower Upper

101 100

85 46.0 36.1 54.1

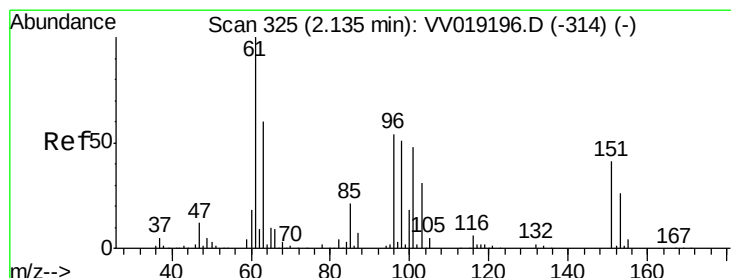
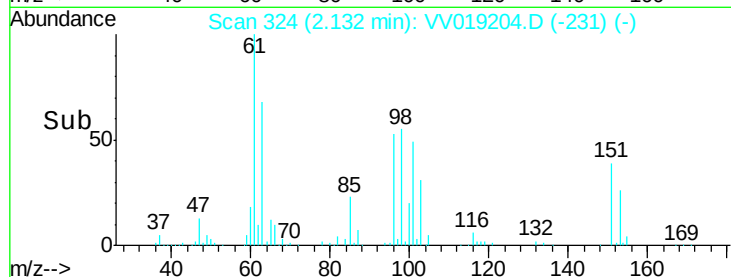
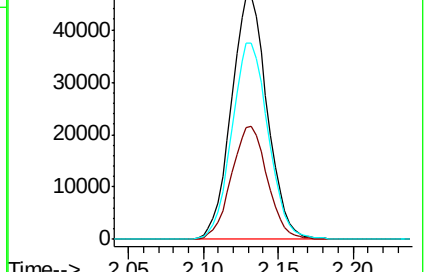
151 81.3 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019196.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019196.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019196.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 45.938 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

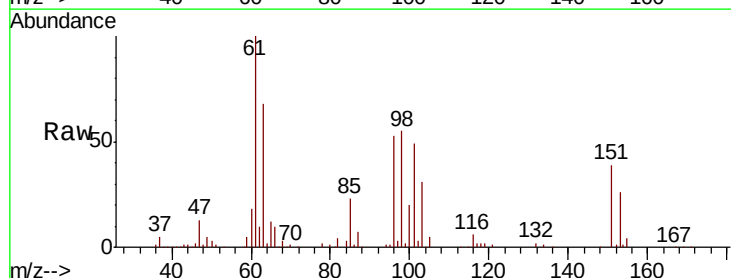
Tgt Ion: 96 Resp: 74197

Ion Ratio Lower Upper

96 100

61 187.9 132.6 246.2

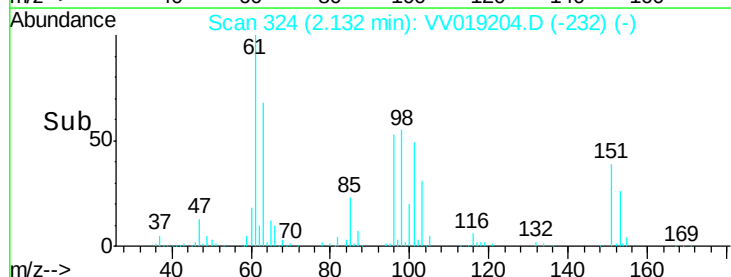
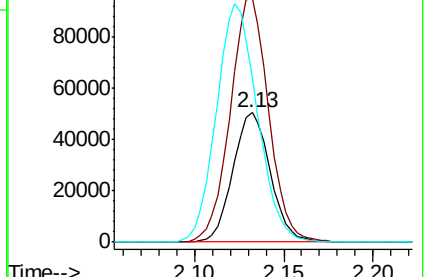
63 126.8 108.4 201.4

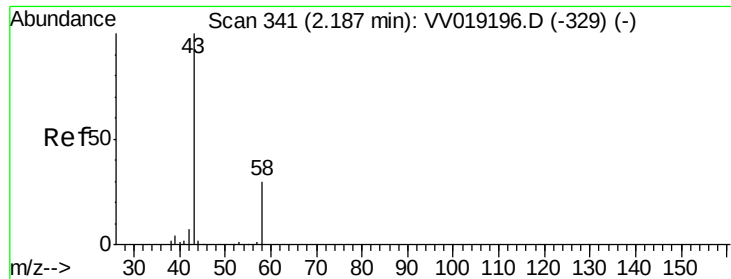


Abundance Ion 96.00 (95.70 to 96.70): VV019196.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV019196.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV019196.D (-314) (-)





#13

Acetone

Concen: 81.097 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampled :

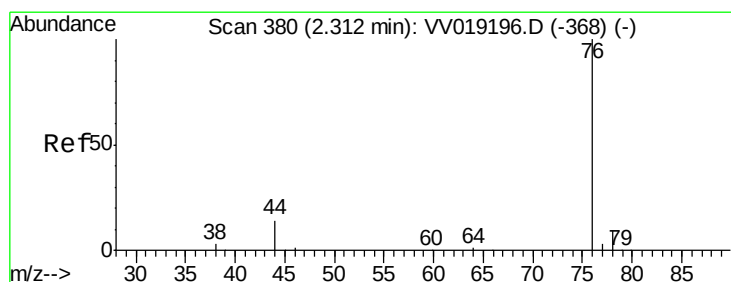
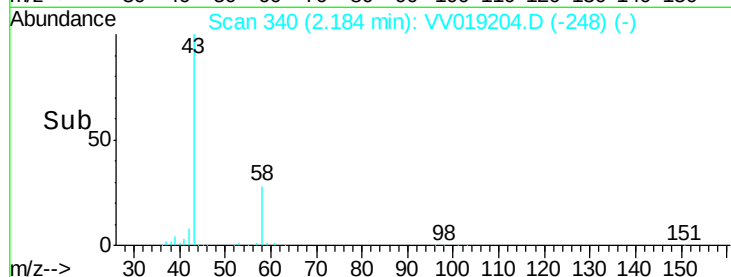
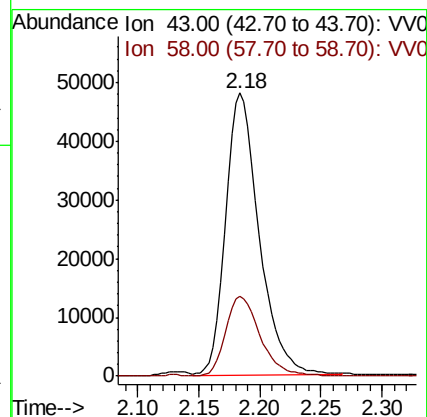
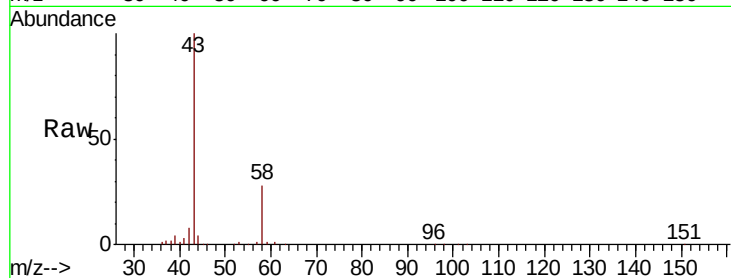
VSTD05084

Tot Ion: 43 Resp: 92362

Ion Ratio Lower Upper

43 100

58 28.8 0.0 59.4



#14

Carbon disulfide

Concen: 44.309 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019204.D

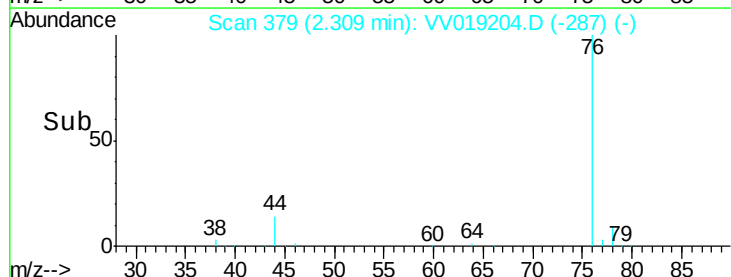
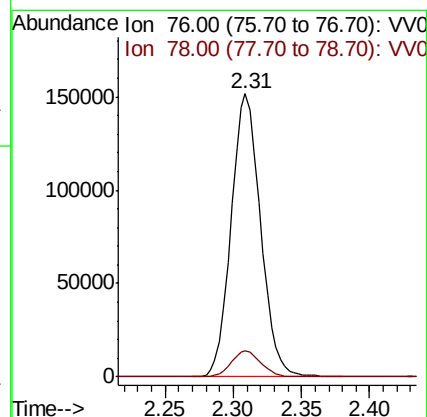
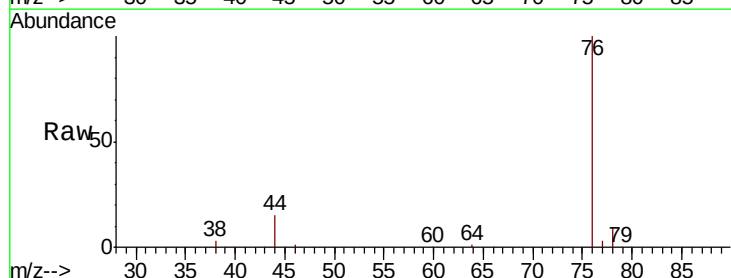
Acq: 02 Nov 2020 15:37

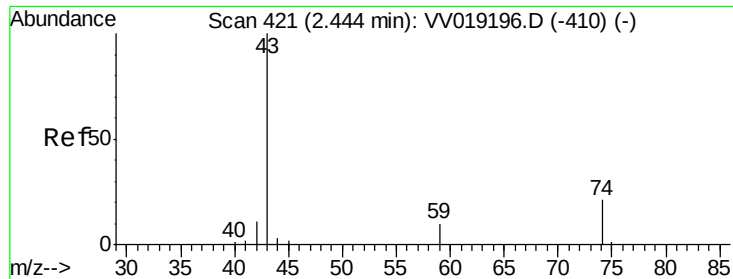
Tgt Ion: 76 Resp: 227474

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

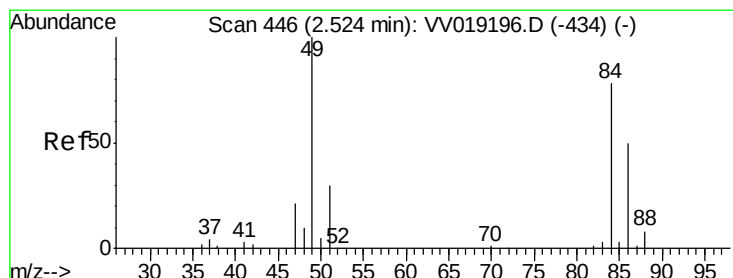
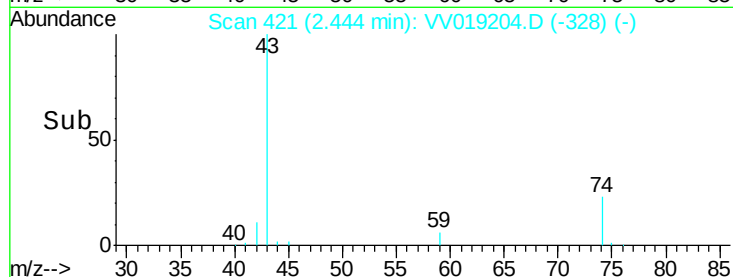
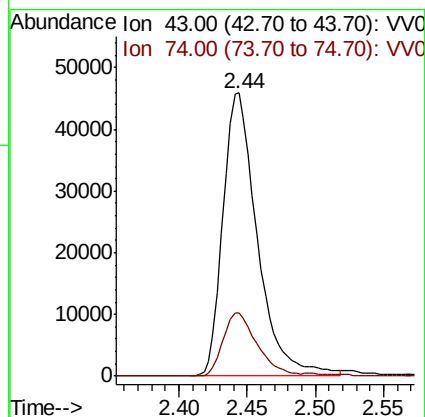
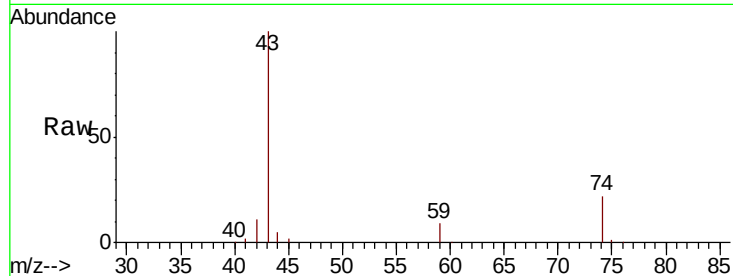




#15
Methvl Acetate
Concen: 43.626 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

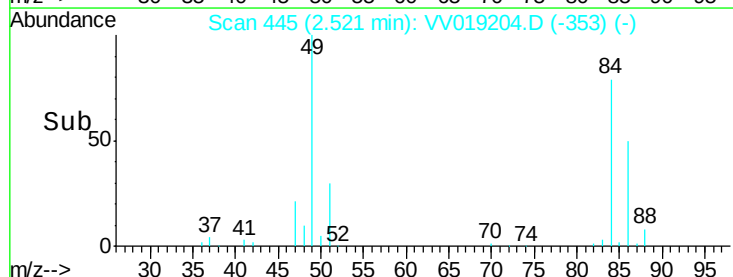
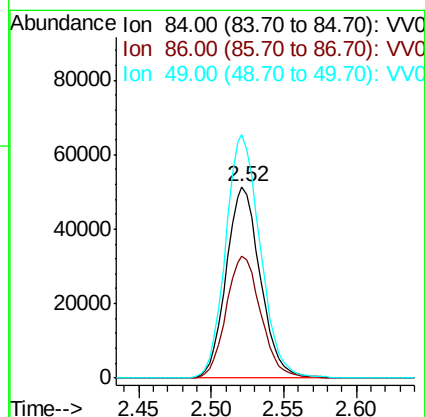
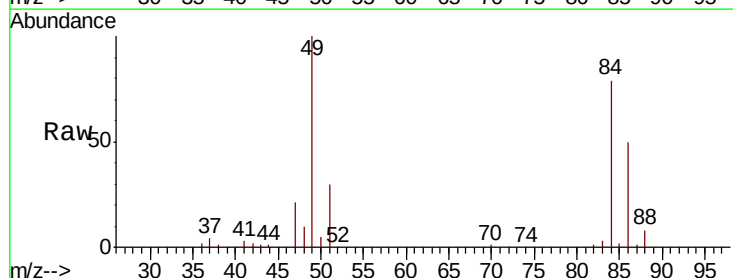
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

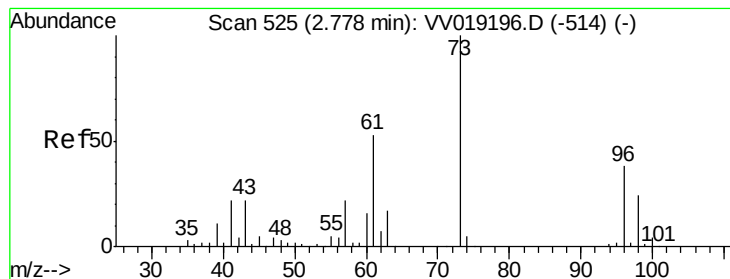
Tot Ion: 43 Resp: 80072
Ion Ratio Lower Upper
43 100
74 22.3 18.4 27.6



#16
Methylene chloride
Concen: 45.619 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Tgt Ion: 84 Resp: 83666
Ion Ratio Lower Upper
84 100
86 63.6 46.0 85.4
49 127.2 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 46.695 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

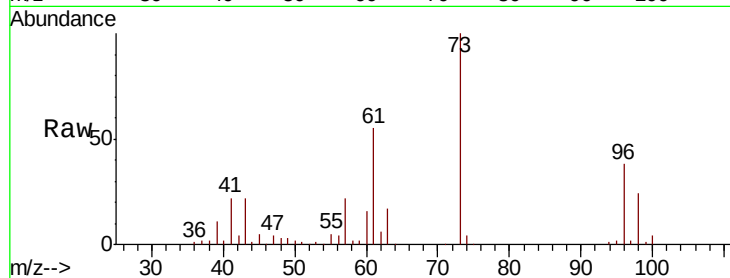
Tot Ion: 96 Resp: 81005

Ion Ratio Lower Upper

96 100

61 143.9 102.4 190.2

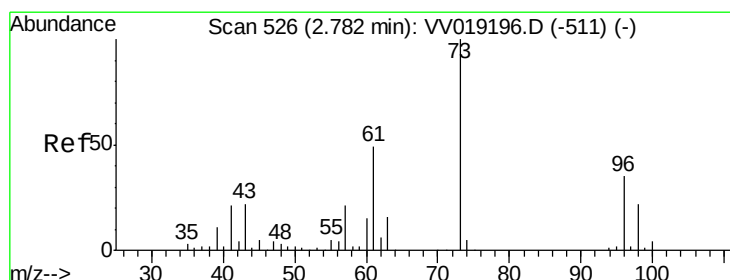
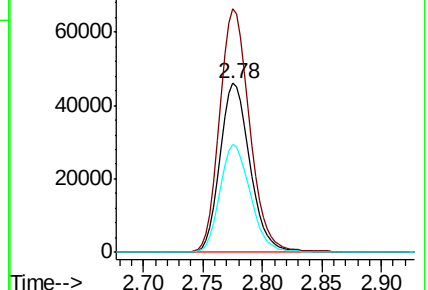
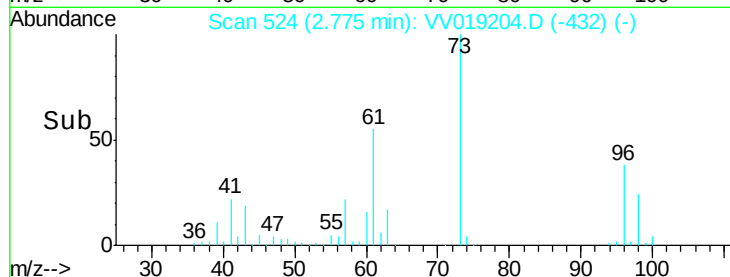
98 64.0 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VV019196.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV019196.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV019196.D (-514) (-)



#18

Methyl tert-butyl Ether

Concen: 46.520 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

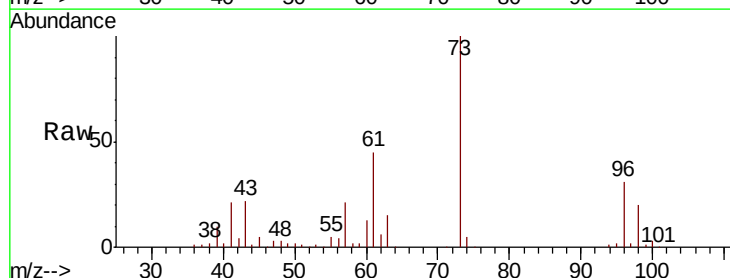
Tgt Ion: 73 Resp: 270229

Ion Ratio Lower Upper

73 100

43 22.1 17.9 26.9

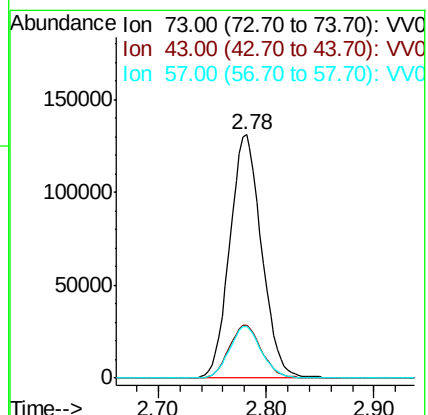
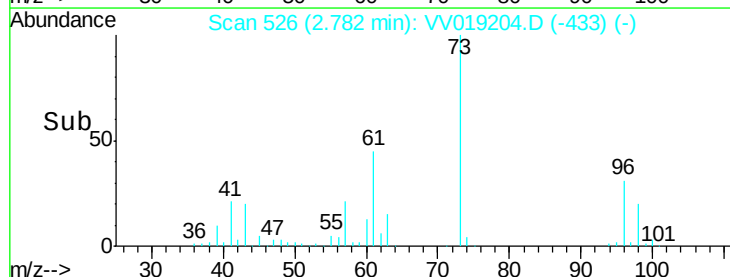
57 21.3 17.1 25.7

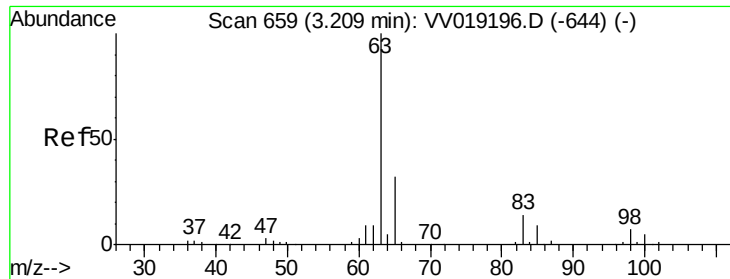


Abundance Ion 73.00 (72.70 to 73.70): VV019196.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV019196.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV019196.D (-511) (-)

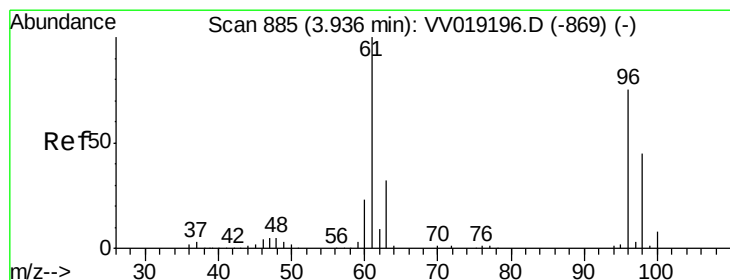
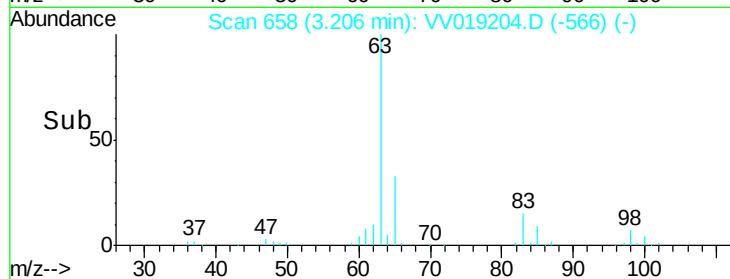
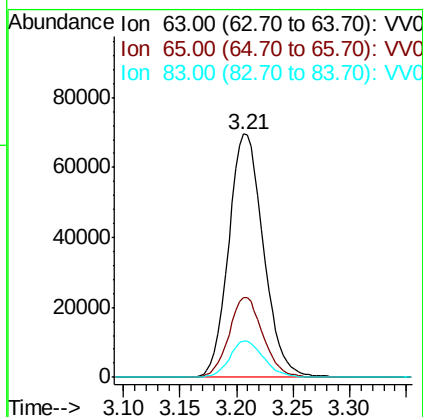
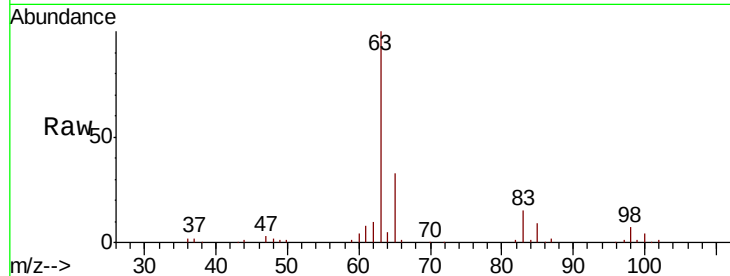




#19
 1,1-Dichloroethane
 Concen: 46.163 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

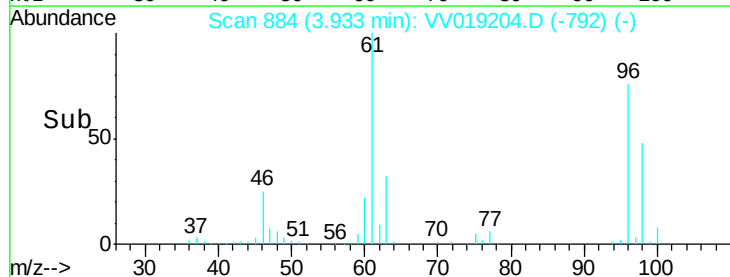
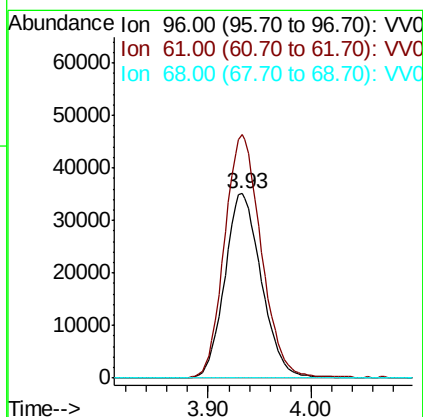
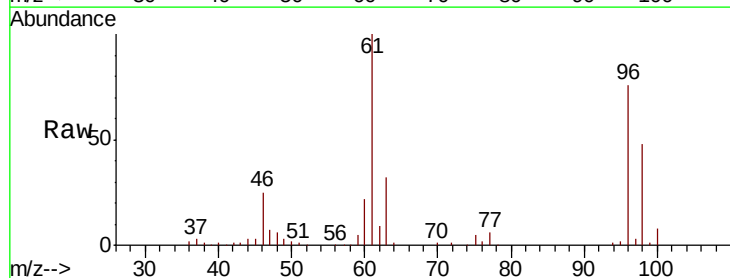
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

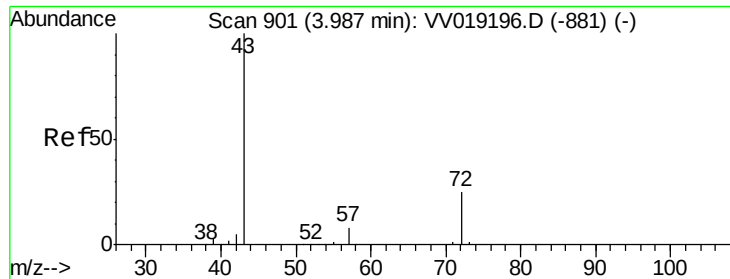
Tot Ion: 63 Resp: 149199
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.0 40.8
 83 15.1 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 45.604 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Tgt Ion: 96 Resp: 86825
 Ion Ratio Lower Upper
 96 100
 61 132.2 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.062 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

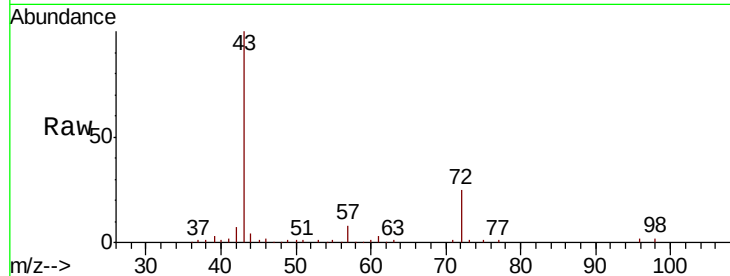
VSTD05084

Tot Ion: 43 Resp: 112964

Ion Ratio Lower Upper

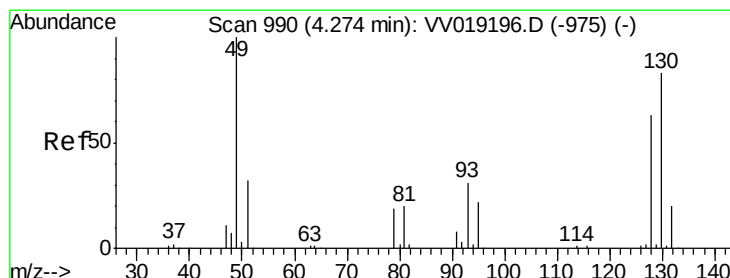
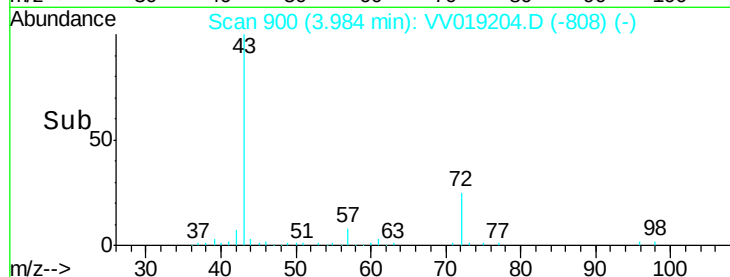
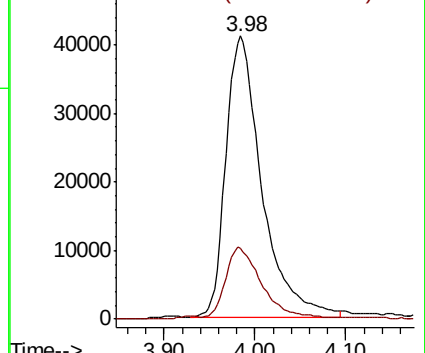
43 100

72 24.5 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019196.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV019196.D (-881) (-)



#23

Bromochloromethane

Concen: 45.052 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Tgt Ion: 128 Resp: 46028

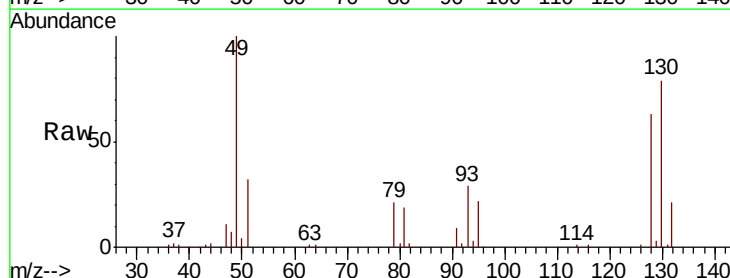
Ion Ratio Lower Upper

128 100

49 158.2 108.5 201.5

130 125.1 90.4 167.8

51 50.4 36.9 55.3

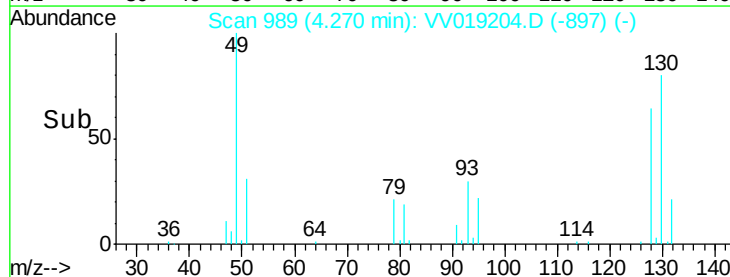
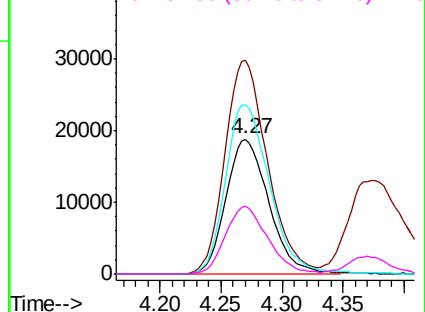


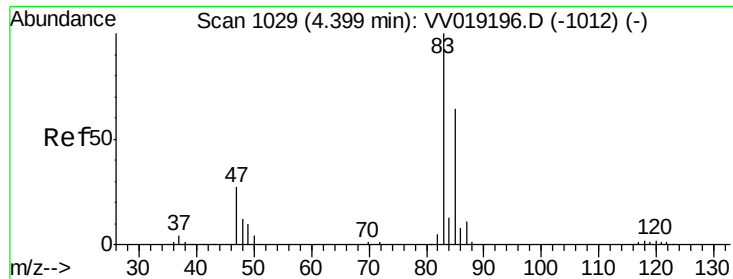
Abundance Ion 128.00 (127.70 to 128.70): VV019196.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV019196.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV019196.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV019196.D (-975) (-)

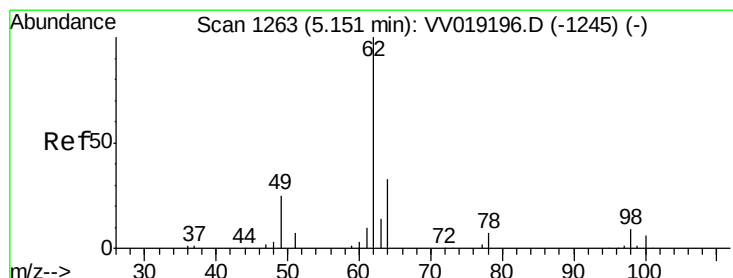
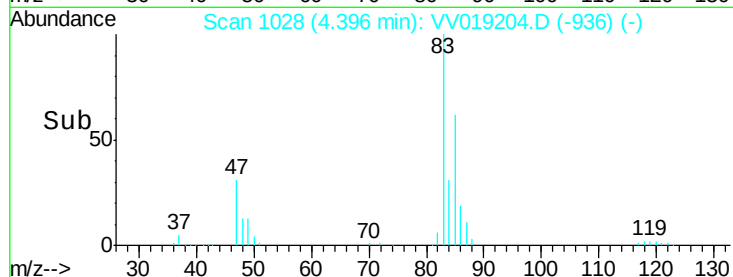
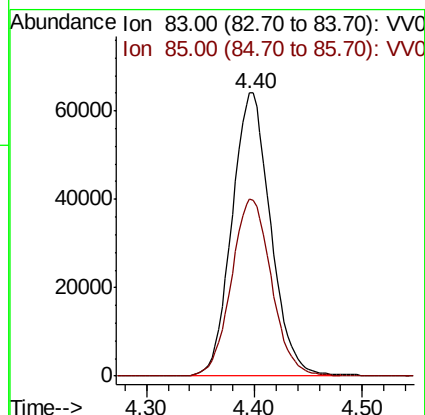
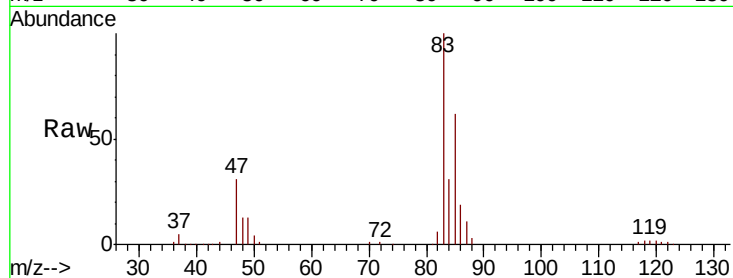




#25
Chloroform
Concen: 45.711 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

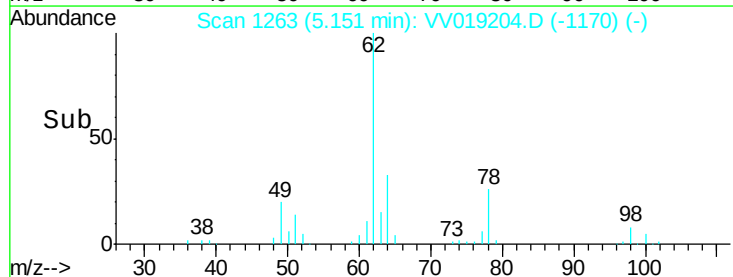
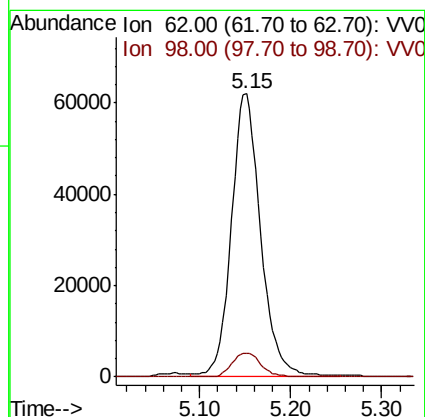
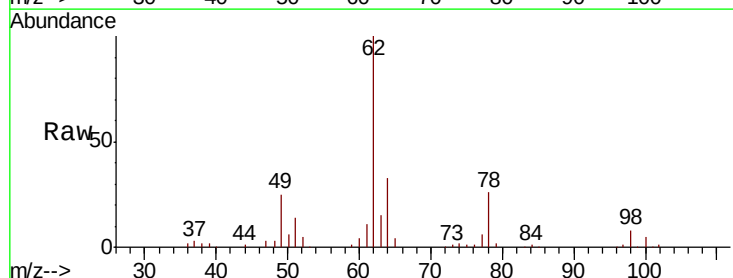
Instrument :
MSVOA_V
ClientSampled :
VSTD05084

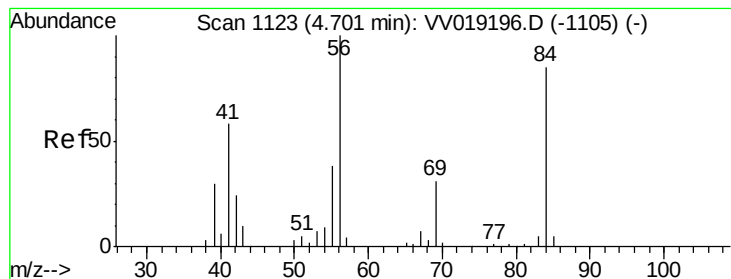
Tot Ion: 83 Resp: 159647
Ion Ratio Lower Upper
83 100
85 62.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 46.841 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Tgt Ion: 62 Resp: 139275
Ion Ratio Lower Upper
62 100
98 8.3 6.8 10.2





#29

Cyclohexane

Concen: 46.933 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

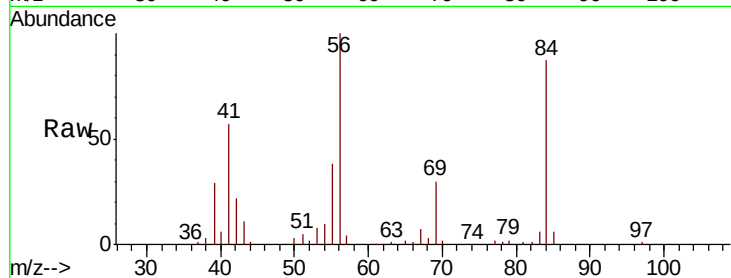
Tot Ion: 56 Resp: 127782

Ion Ratio Lower Upper

56 100

69 30.4 25.0 37.4

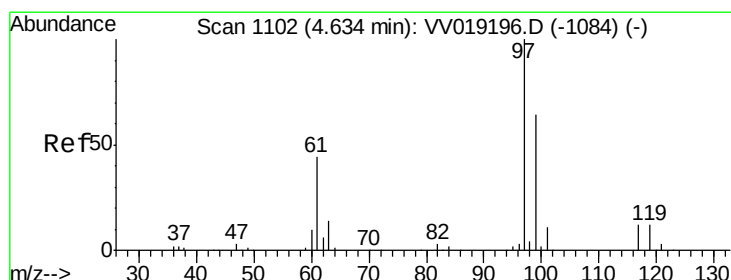
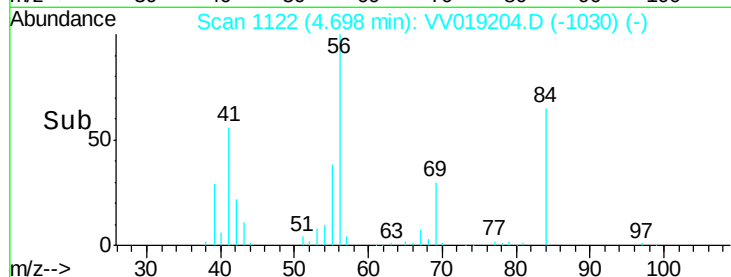
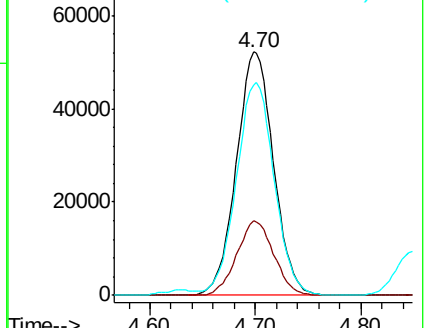
84 89.4 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV019196.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV019196.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV019196.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 46.245 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

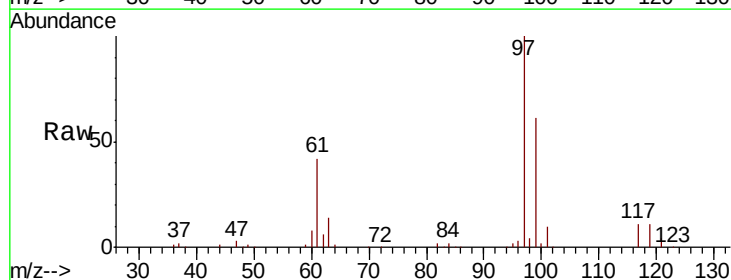
Tgt Ion: 97 Resp: 152833

Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

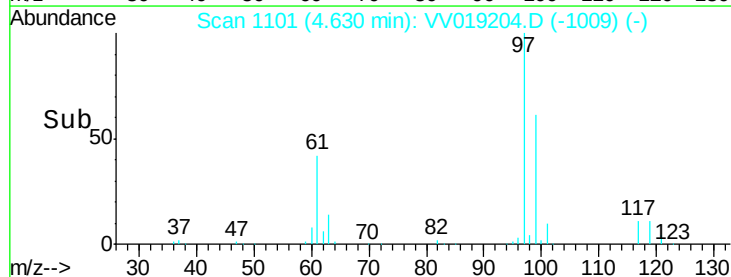
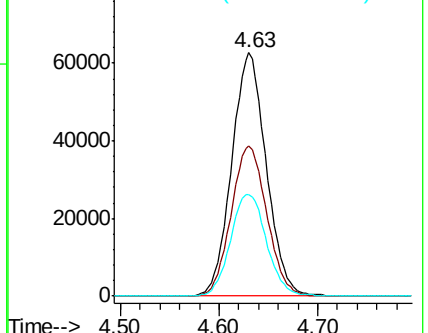
61 43.5 34.6 52.0

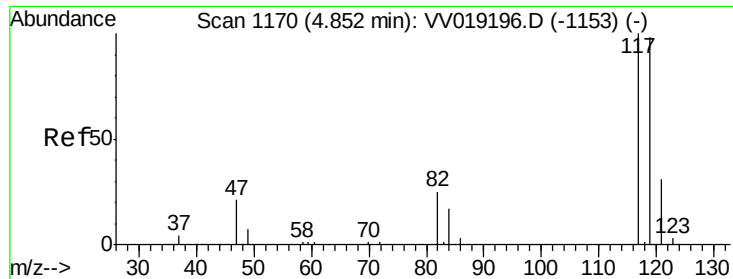


Abundance Ion 97.00 (96.70 to 97.70): VV019196.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV019196.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV019196.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 46.089 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

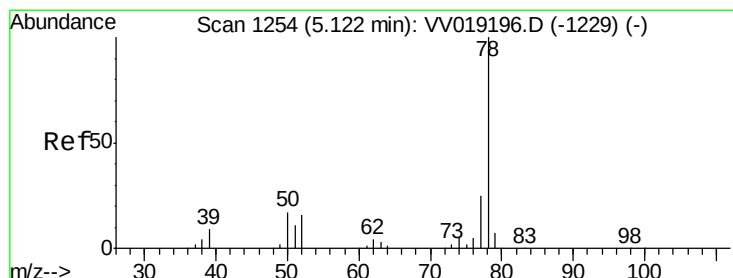
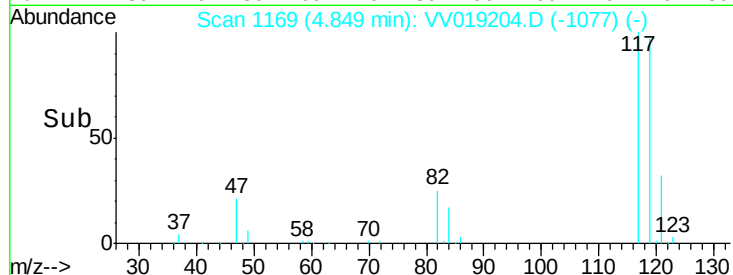
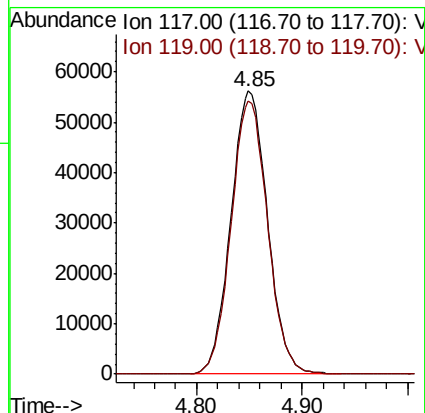
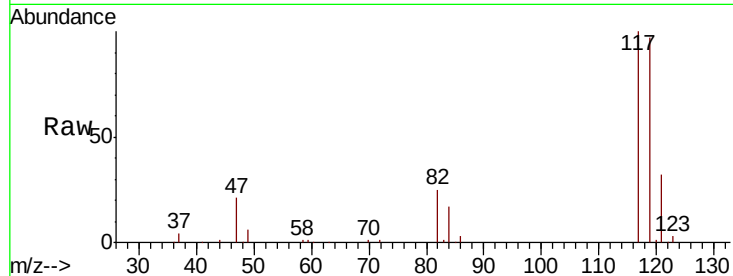
VSTD05084

Tot Ion:117 Resp: 135068

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8



#33

Benzene

Concen: 46.167 ug/L

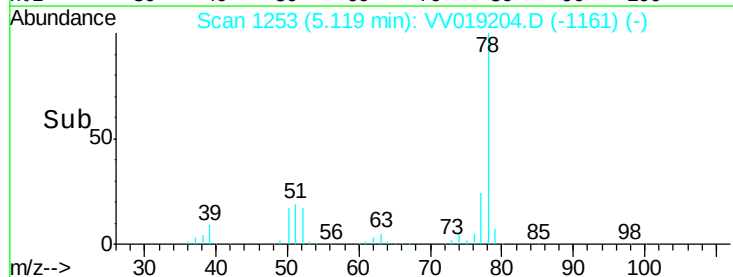
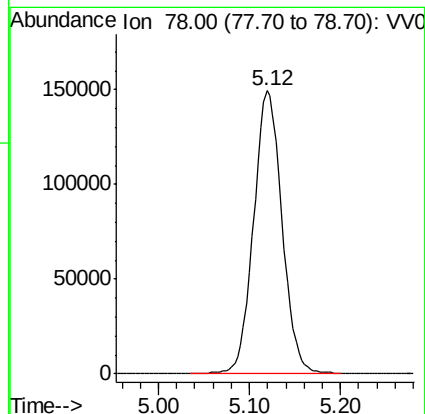
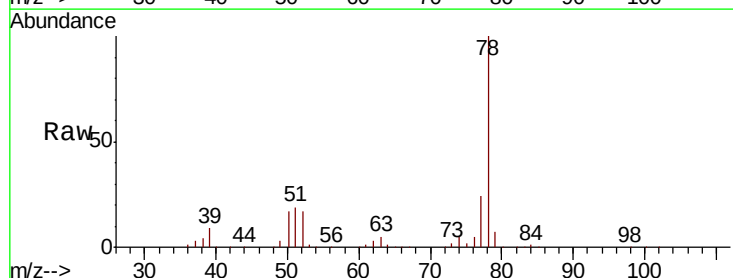
RT: 5.12 min Scan# 1253

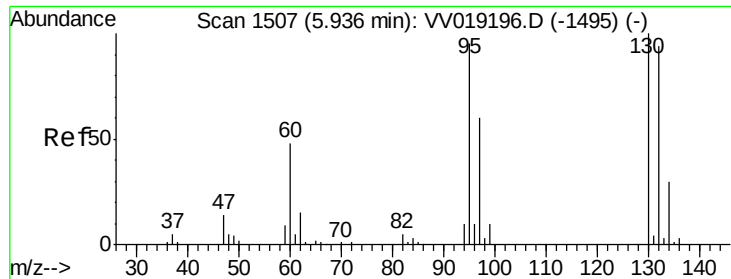
Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Tgt Ion: 78 Resp: 324630





#34

Trichloroethene

Concen: 46.165 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

Tot Ion: 95 Resp: 88928

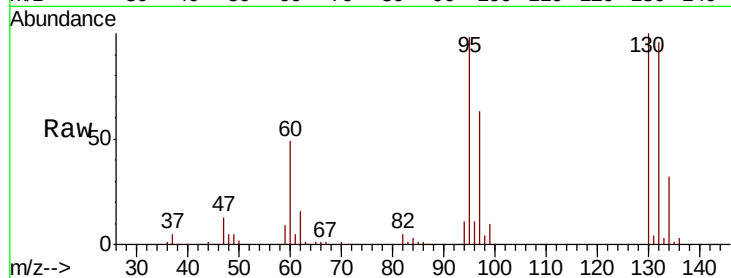
Ion Ratio Lower Upper

95 100

97 64.1 43.4 80.6

132 98.3 69.7 129.4

130 102.4 72.4 134.5

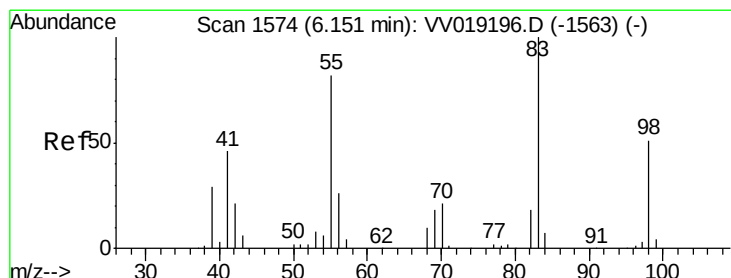
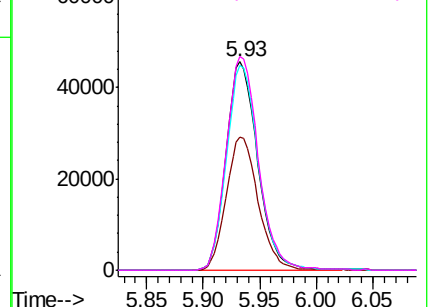
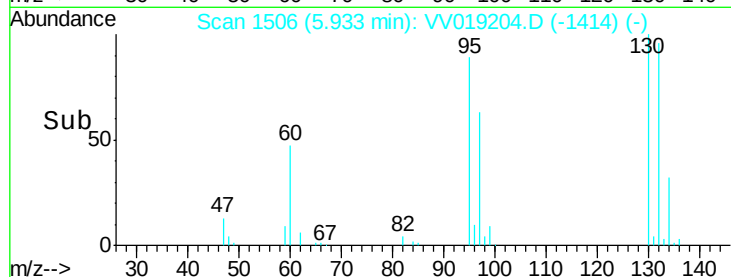


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.723 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

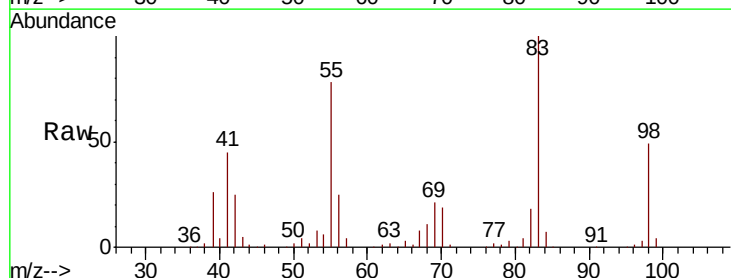
Tgt Ion: 83 Resp: 124104

Ion Ratio Lower Upper

83 100

55 77.9 62.2 93.4

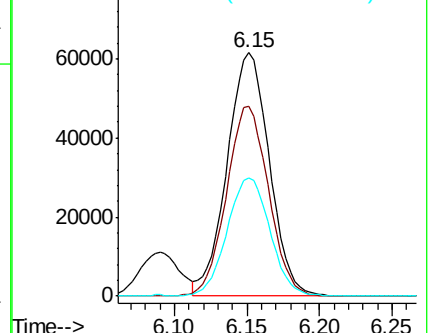
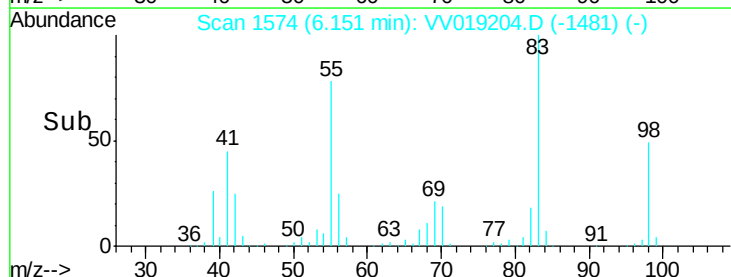
98 49.7 39.4 59.2

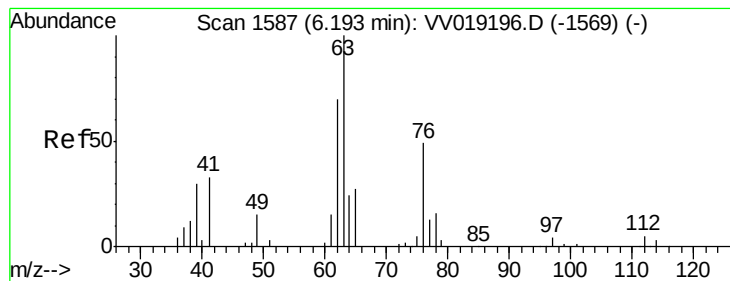


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 47.803 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

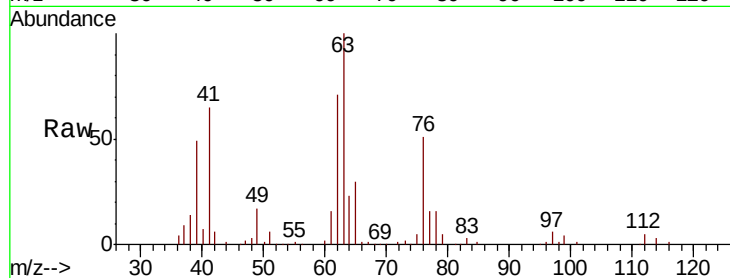
VSTD05084

Tot Ion: 63 Resp: 83476

Ion Ratio Lower Upper

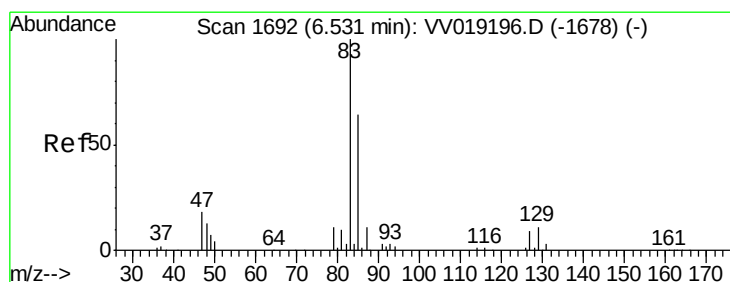
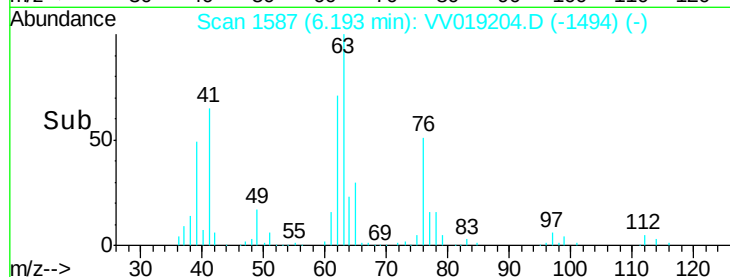
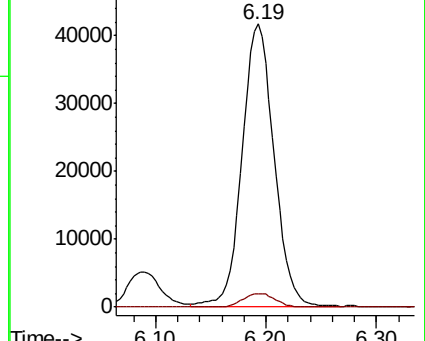
63 100

112 4.9 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV019196.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV019196.D (-1569) (-)



#38

Bromodichloromethane

Concen: 47.650 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

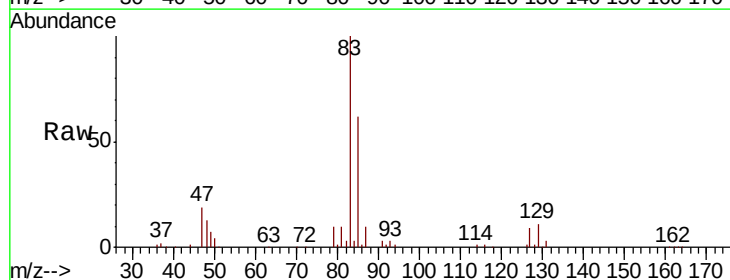
Tgt Ion: 83 Resp: 123781

Ion Ratio Lower Upper

83 100

85 62.0 45.9 85.3

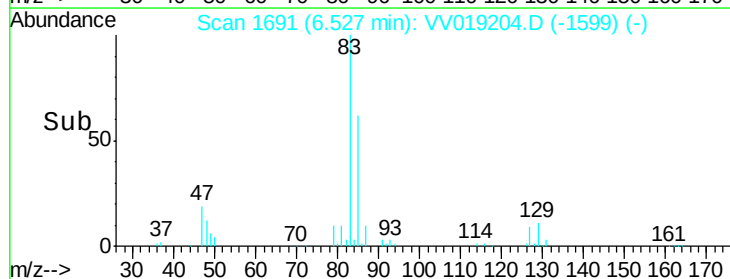
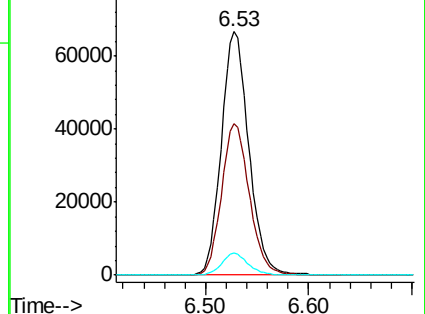
127 9.3 6.9 10.3

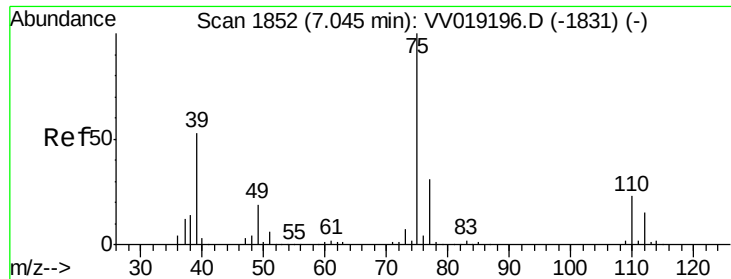


Abundance Ion 83.00 (82.70 to 83.70): VV019196.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV019196.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV019196.D (-1678) (-)

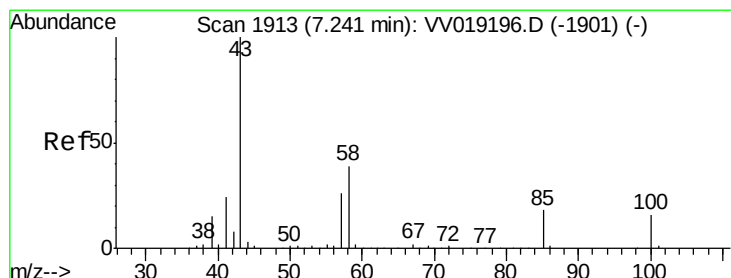
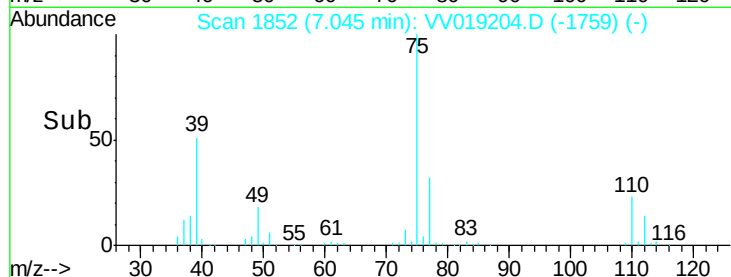
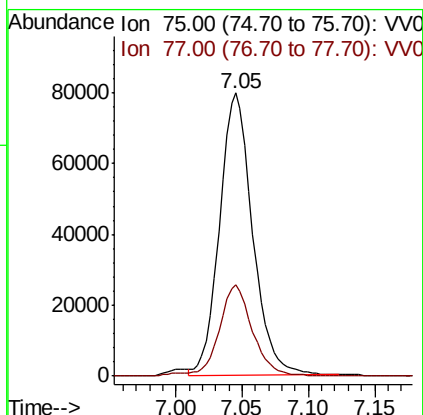
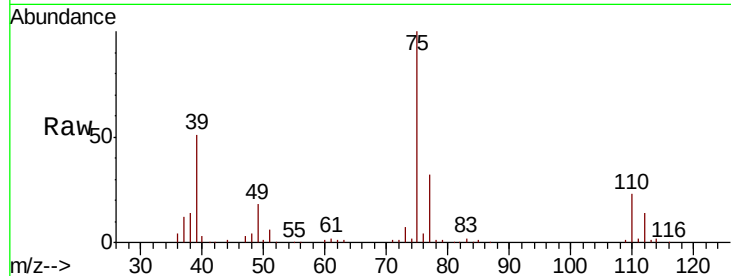




#39
 cis-1,3-Dichloropropene
 Concen: 47.714 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

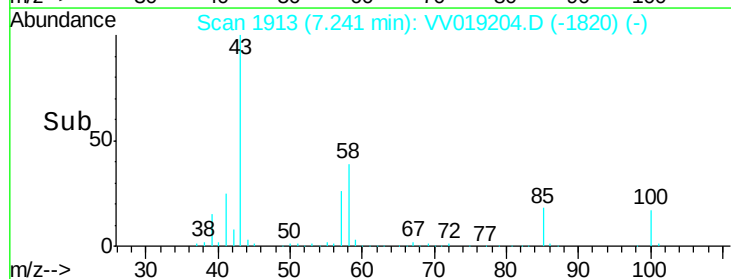
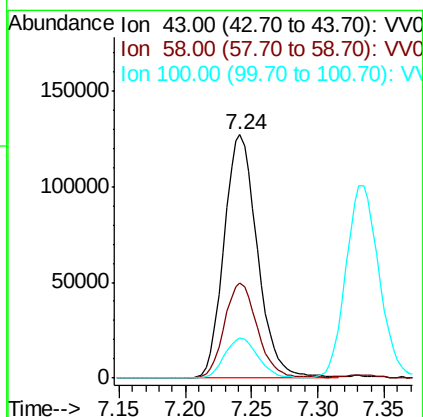
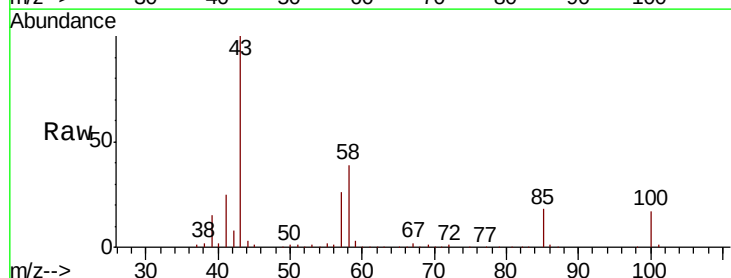
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

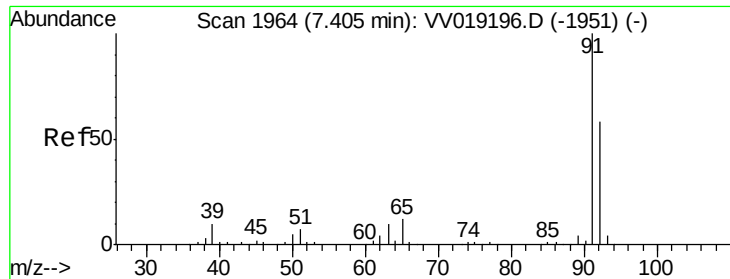
Tot Ion: 75 Resp: 137625
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 92.364 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Tgt Ion: 43 Resp: 222502
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4
 100 16.6 13.2 19.8





#42

Toluene

Concen: 47.411 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

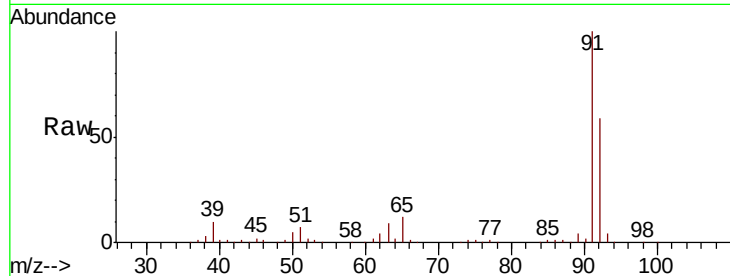
VSTD05084

Tot Ion: 91 Resp: 365464

Ion Ratio Lower Upper

91 100

92 58.8 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV019196.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV019196.D (-1951) (-)

7.41

250000

200000

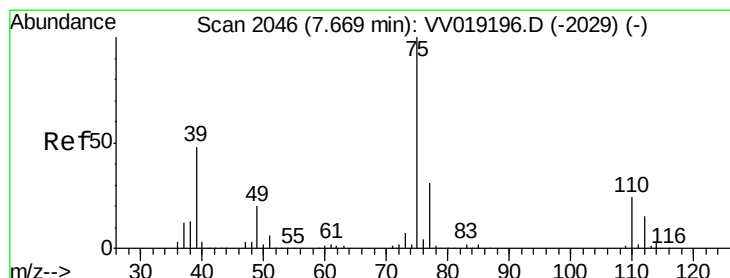
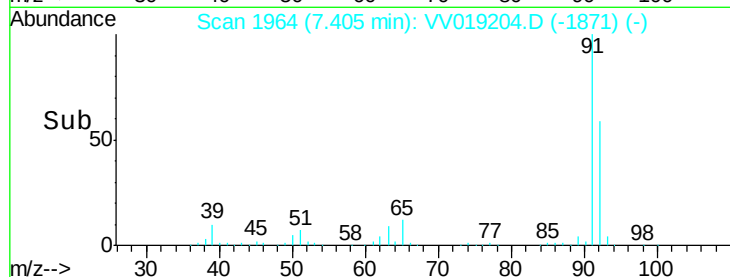
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 47.525 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019204.D

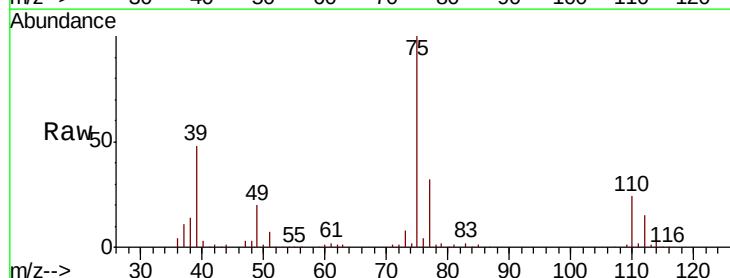
Acq: 02 Nov 2020 15:37

Tgt Ion: 75 Resp: 142597

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV019196.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019196.D (-2029) (-)

7.67

80000

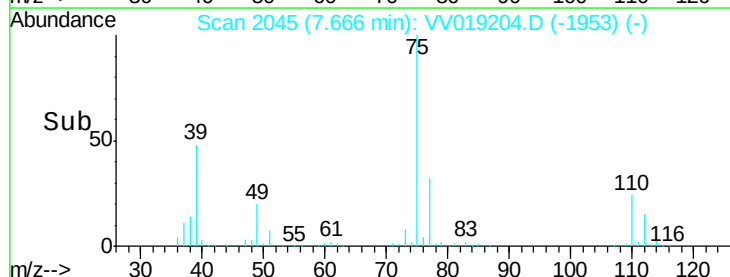
60000

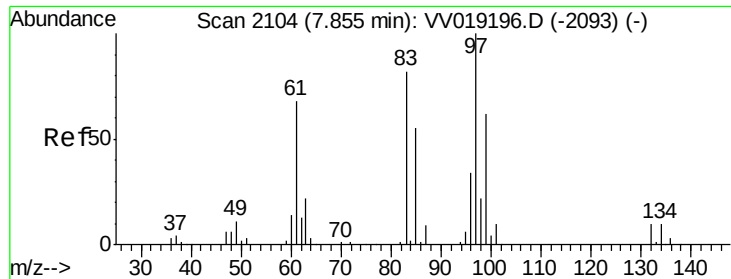
40000

20000

0

Time--> 7.60 7.65 7.70 7.75

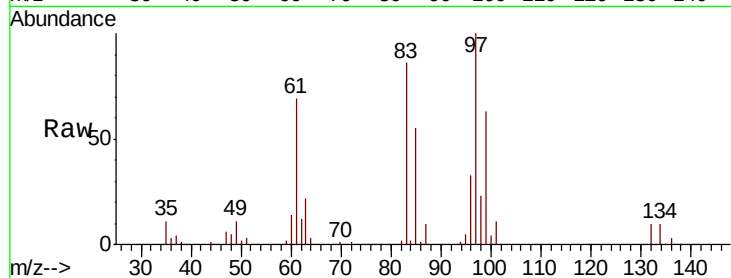




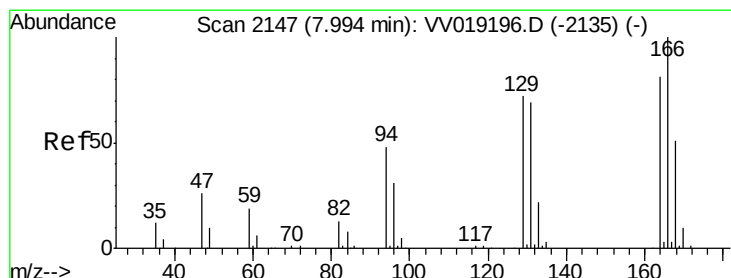
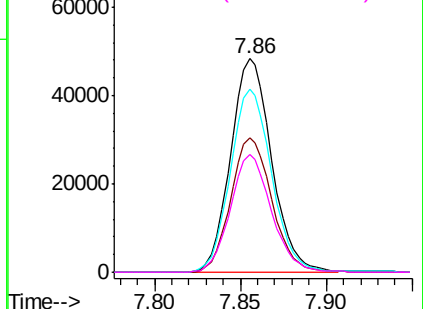
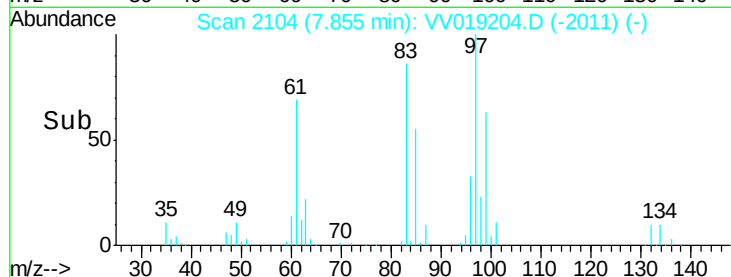
#45
 1,1,2-Trichloroethane
 Concen: 46.068 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion:	97	Resp:	80681
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.1	80.1
83	86.0	58.3	108.3
85	55.0	37.8	70.2

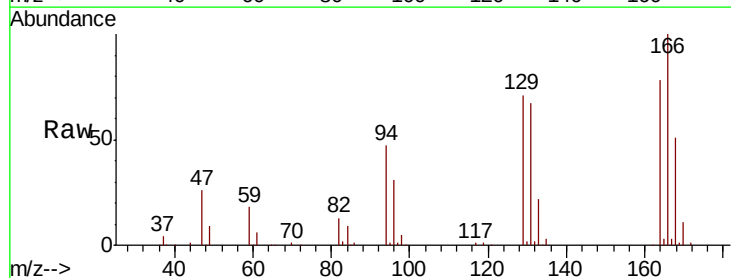


Abundance Ion 97.00 (96.70 to 97.70): VV019204.D (-2011) (-)

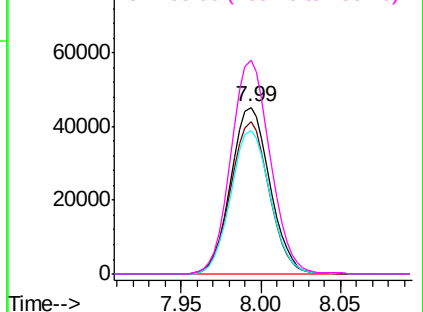
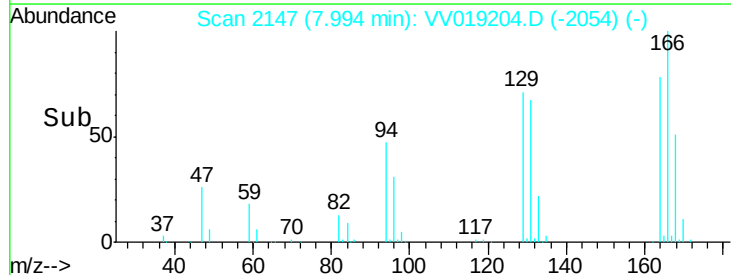


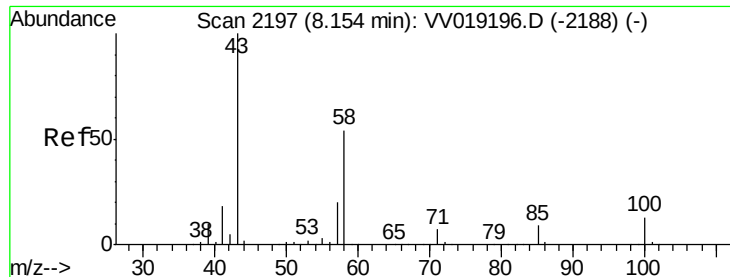
#46
 Tetrachloroethene
 Concen: 45.766 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Tgt Ion:	164	Resp:	75280
Ion	Ratio	Lower	Upper
164	100		
129	91.2	63.2	117.4
131	86.1	60.3	112.1
166	127.9	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019204.D (-2054) (-)

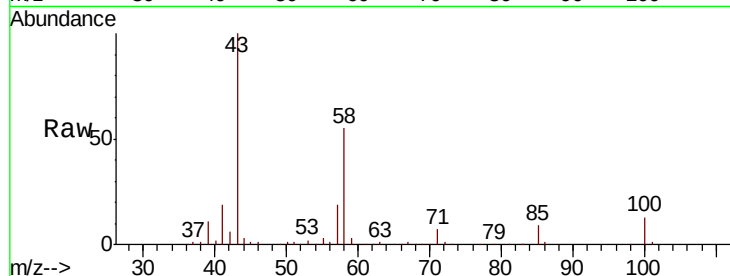




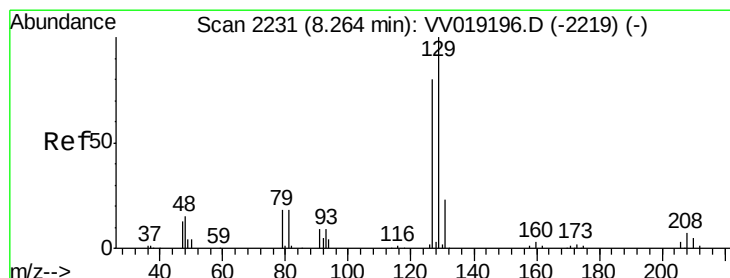
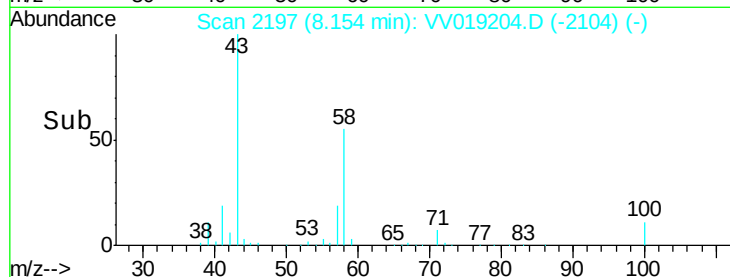
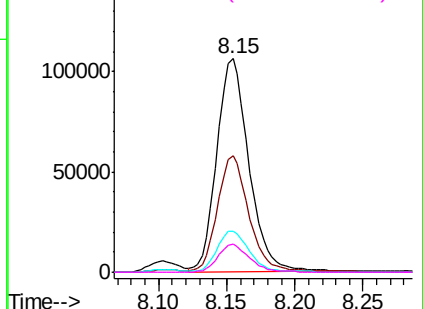
#48
2-Hexanone
Concen: 90.293 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tot Ion: 43 Resp: 172887
Ion Ratio Lower Upper
43 100
58 53.2 43.6 65.4
57 18.9 16.0 24.0
100 13.1 10.3 15.5

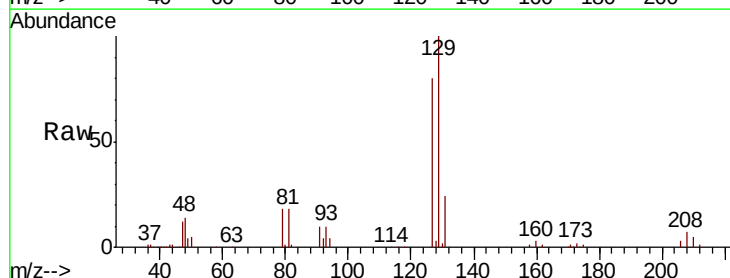


Abundance Ion 43.00 (42.70 to 43.70): VV019196.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019196.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019196.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019196.D (-2188) (-)

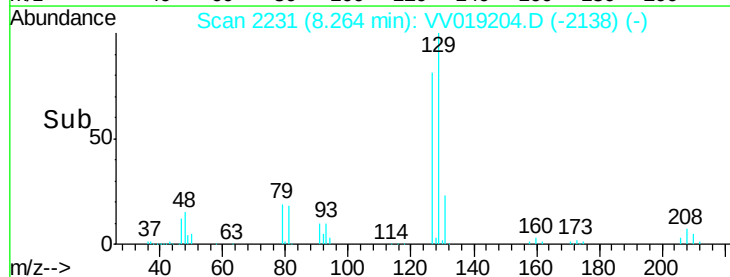
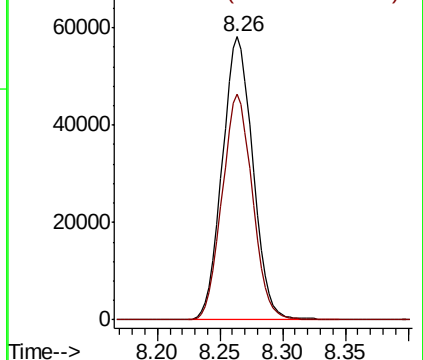


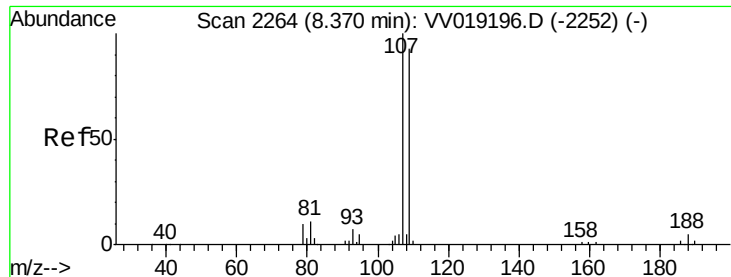
#49
Dibromochloromethane
Concen: 46.423 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Tgt Ion: 129 Resp: 98440
Ion Ratio Lower Upper
129 100
127 79.7 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019196.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019196.D (-2219) (-)

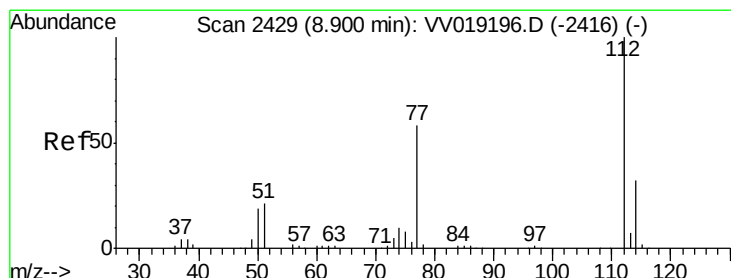
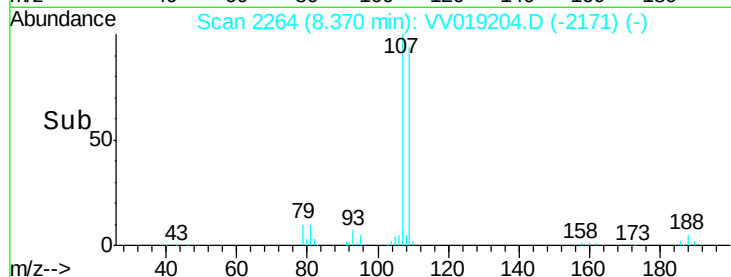
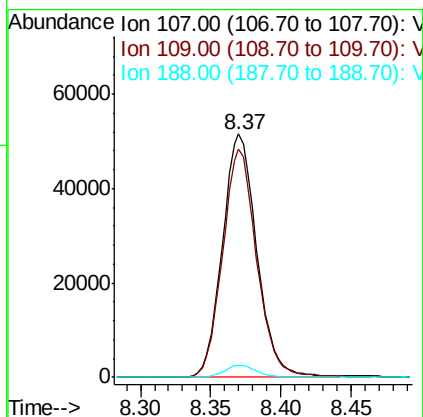
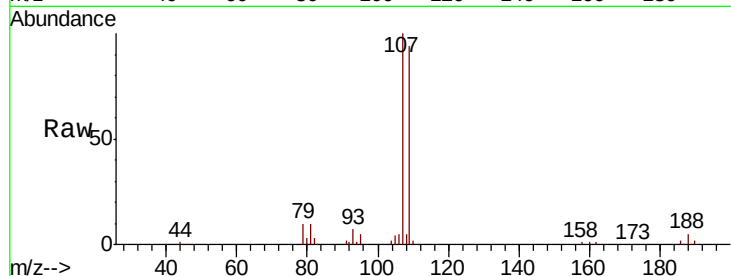




#50
1,2-Dibromoethane
Concen: 46.921 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

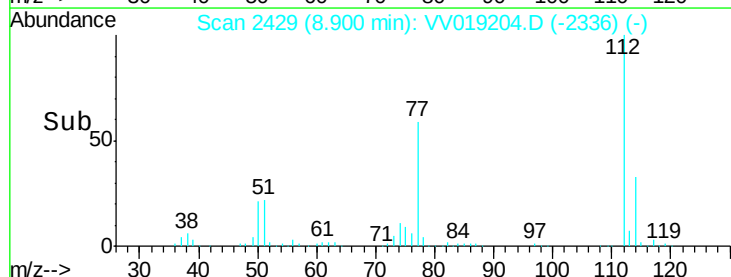
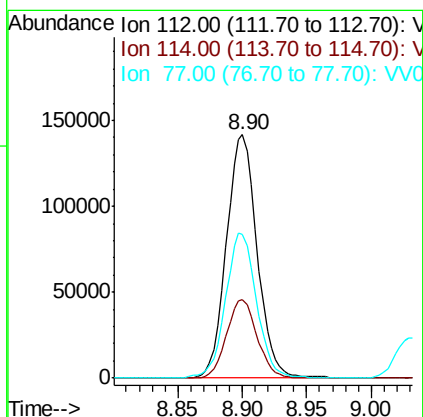
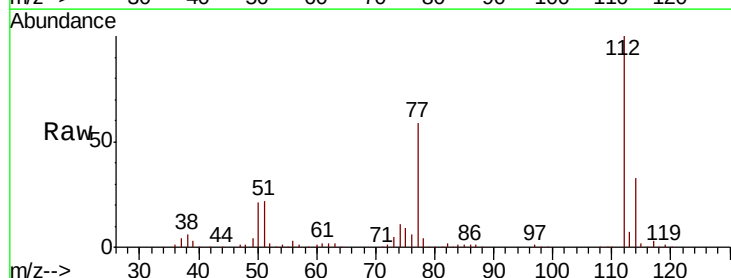
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

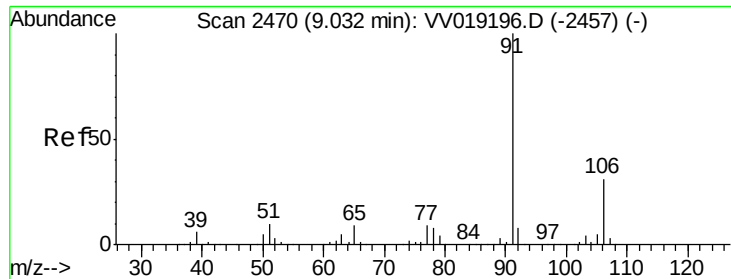
Tot Ion:107 Resp: 87675
Ion Ratio Lower Upper
107 100
109 93.9 65.7 121.9
188 5.0 3.4 5.2



#51
Chlorobenzene
Concen: 46.278 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Tgt Ion:112 Resp: 233881
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 59.2 46.7 70.1

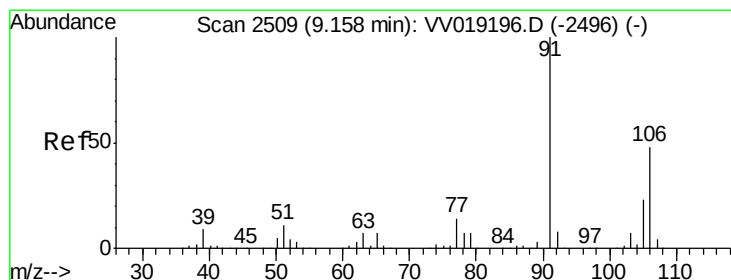
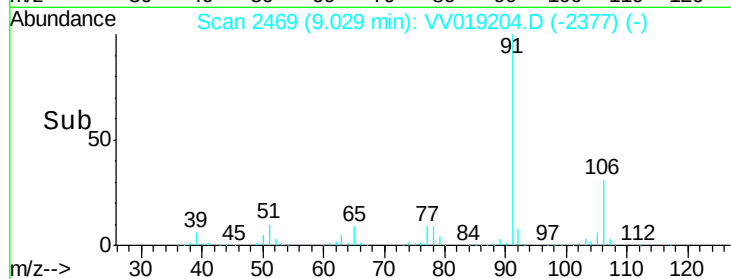
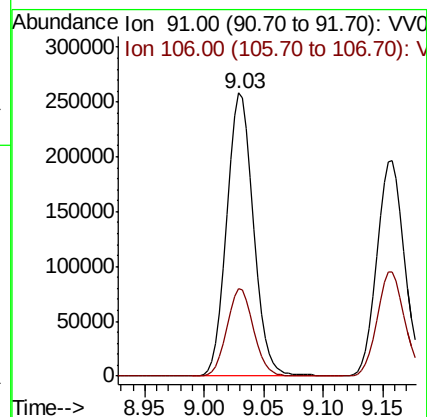
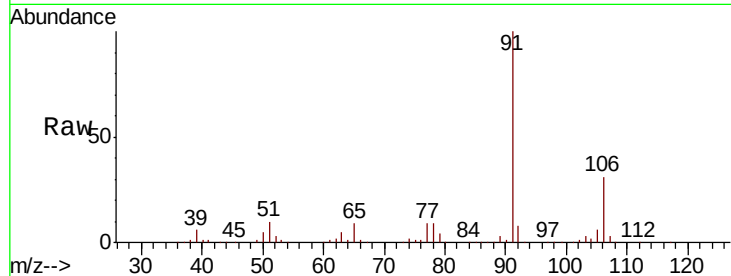




#52
Ethylbenzene
Concen: 47.442 ug/L
RT: 9.03 min Scan# 2469
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

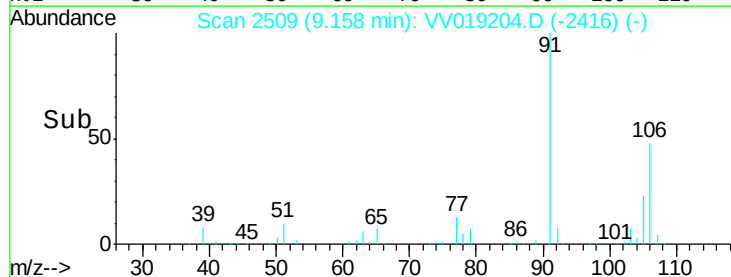
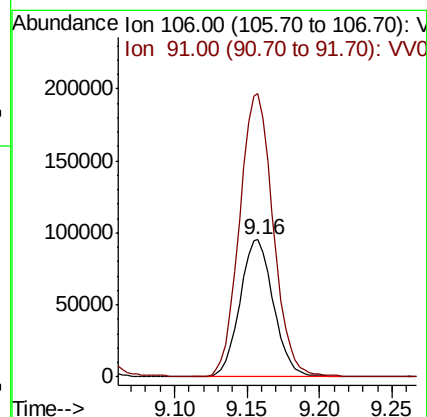
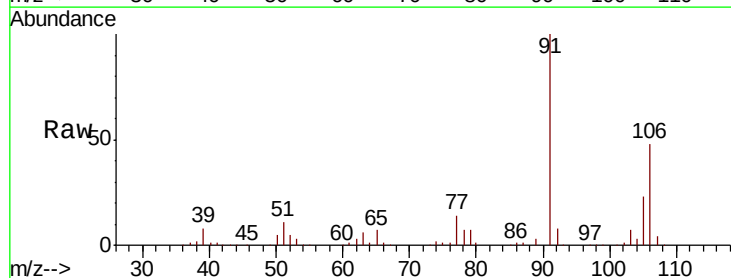
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

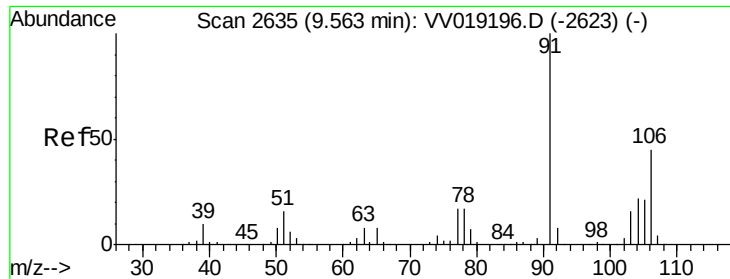
Tot Ion: 91 Resp: 402967
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0



#53
m,p-Xylene
Concen: 47.527 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Tgt Ion: 106 Resp: 152475
Ion Ratio Lower Upper
106 100
91 206.5 145.4 270.0

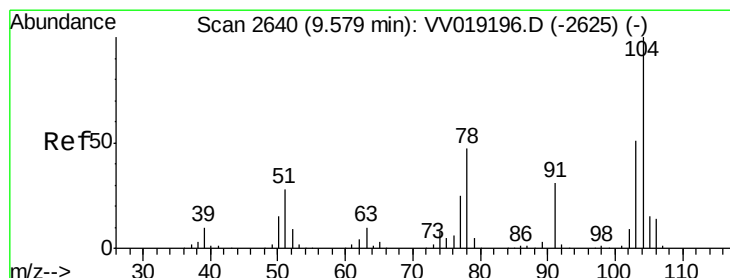
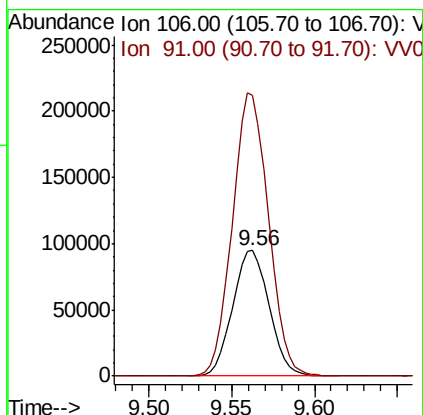
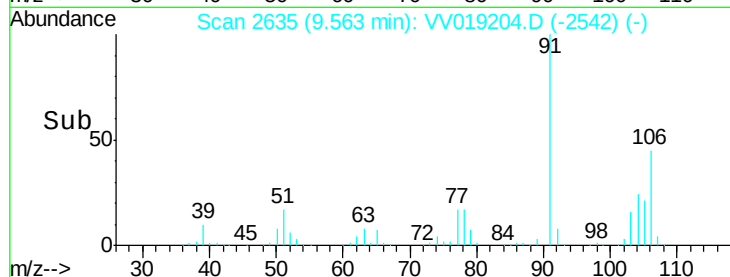
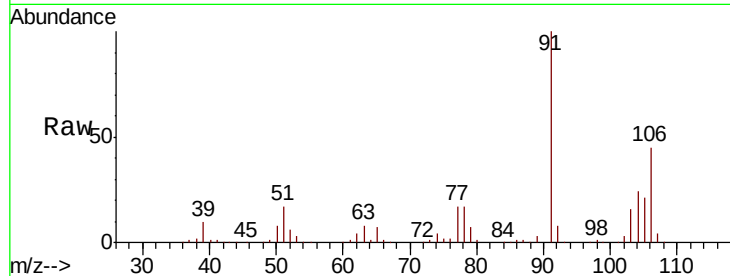




#54
o-xylene
Concen: 47.338 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

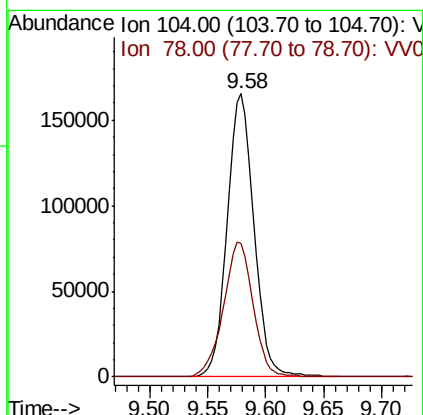
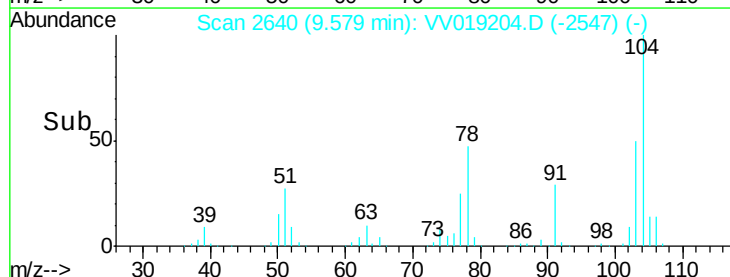
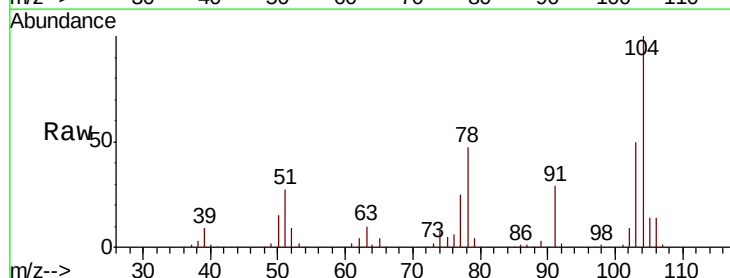
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

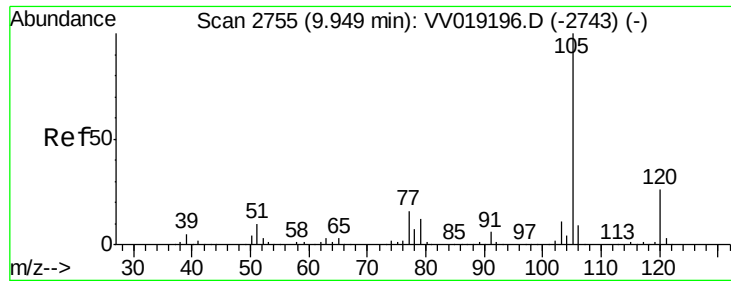
Tot Ion:106 Resp: 145809
Ion Ratio Lower Upper
106 100
91 223.7 153.4 285.0



#55
Styrene
Concen: 48.156 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV019204.D
Acq: 02 Nov 2020 15:37

Tgt Ion:104 Resp: 262900
Ion Ratio Lower Upper
104 100
78 47.2 32.8 60.8





#56

Isopropylbenzene

Concen: 48.021 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

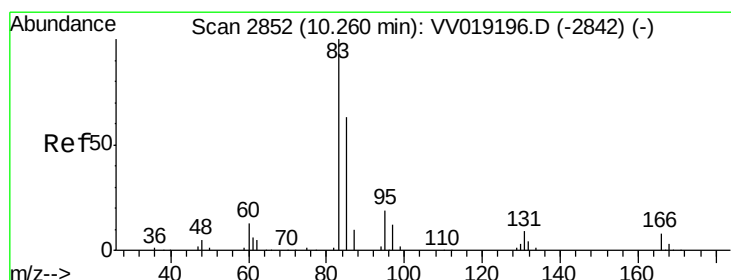
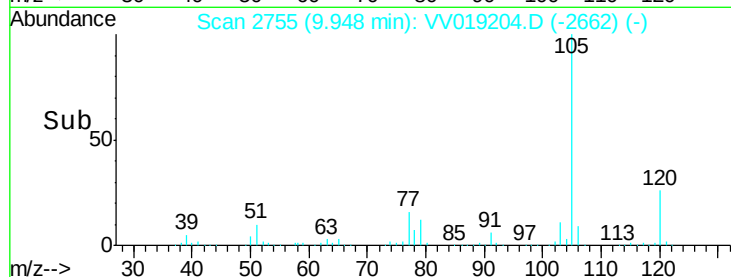
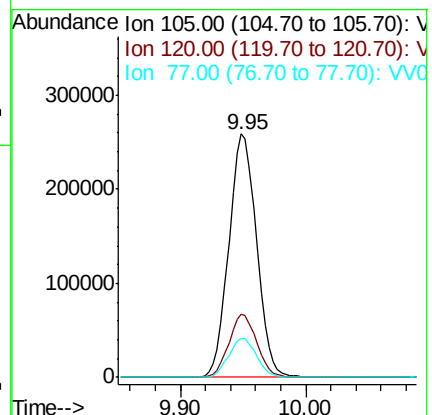
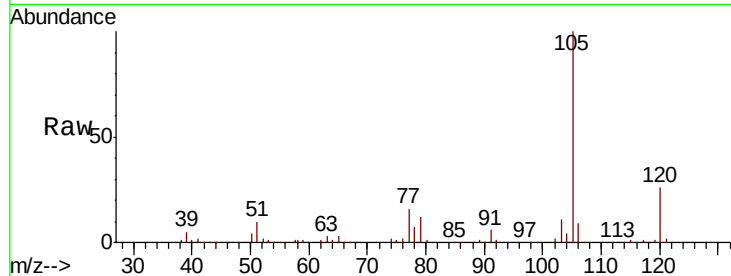
Tot Ion:105 Resp: 397506

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 45.788 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

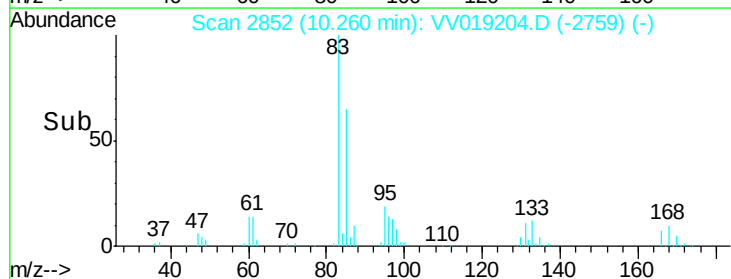
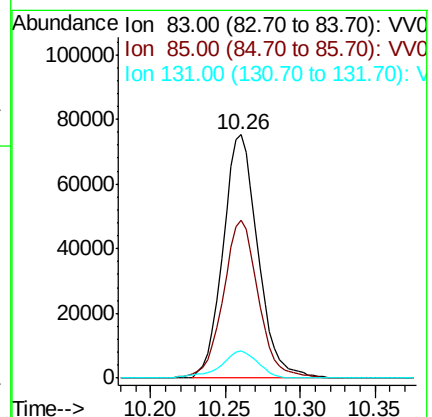
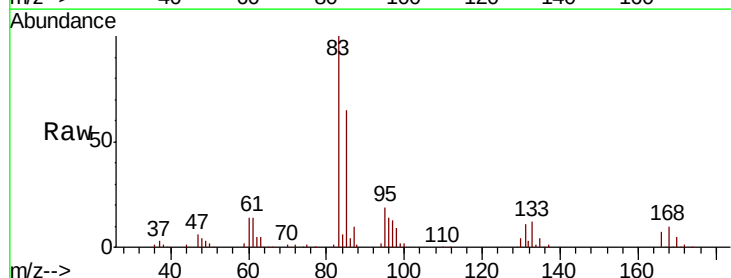
Tgt Ion: 83 Resp: 122106

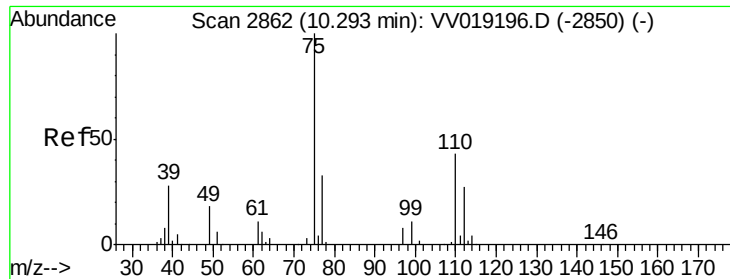
Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.0

131 11.1 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 44.792 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

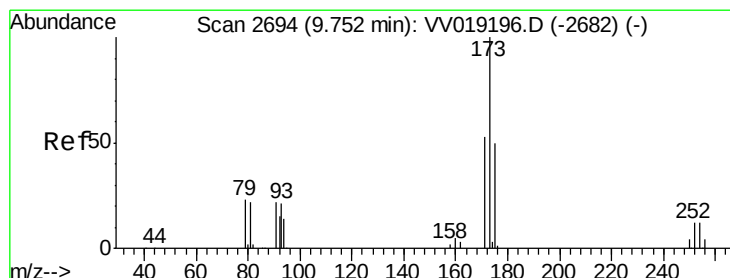
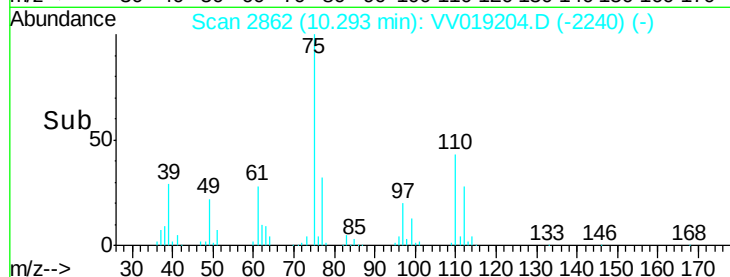
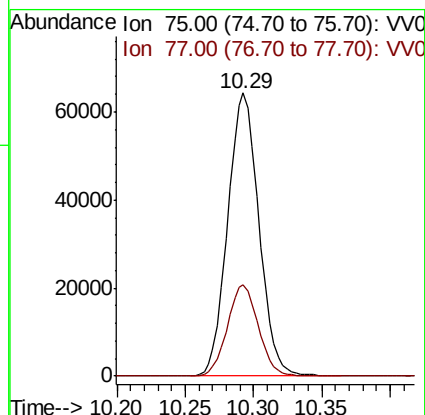
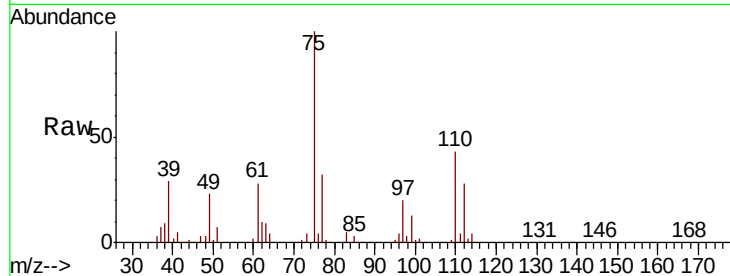
VSTD05084

Tot Ion: 75 Resp: 102253

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.4



#61

Bromoform

Concen: 45.841 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

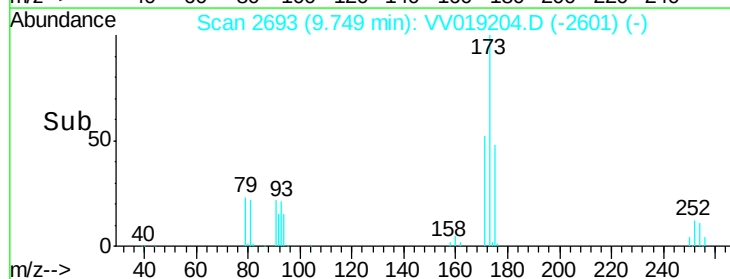
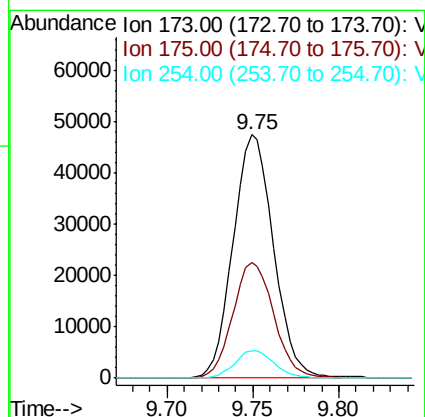
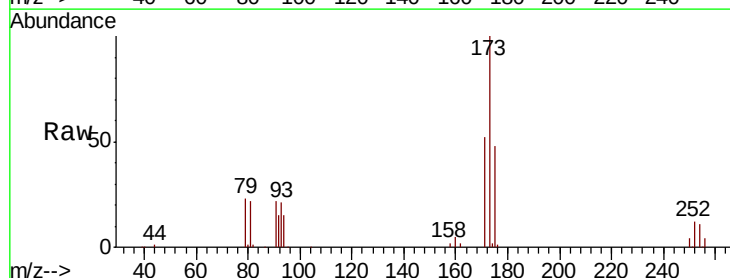
Tgt Ion: 173 Resp: 77663

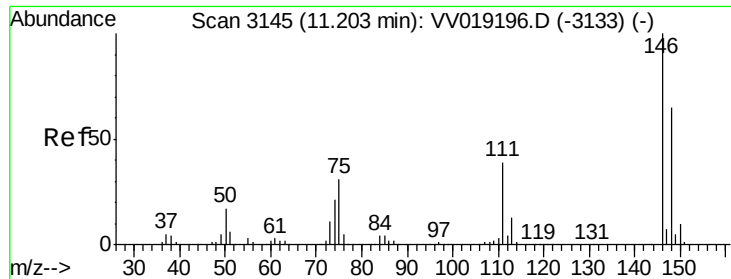
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.6

254 11.0 9.7 14.5

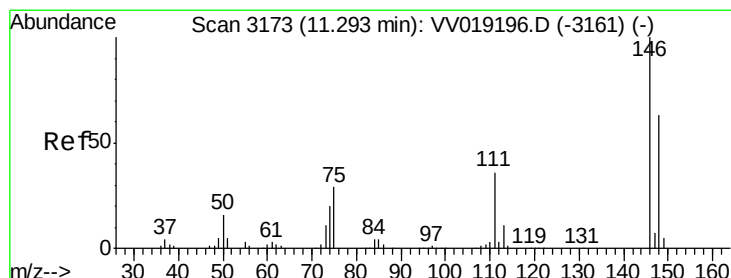
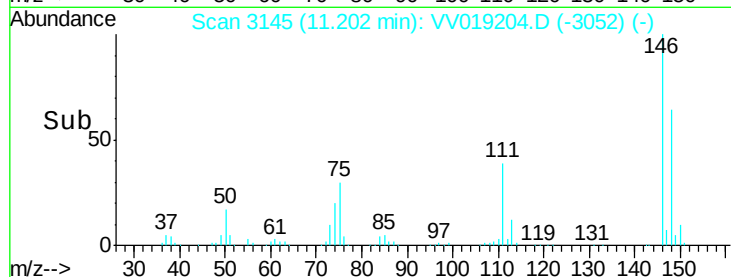
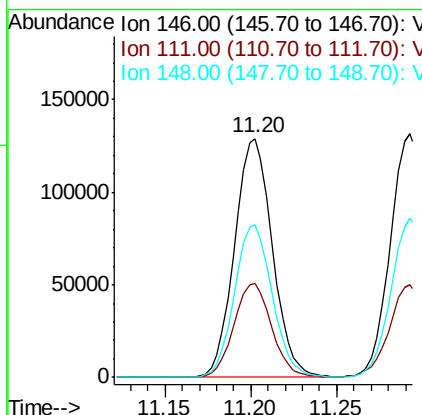
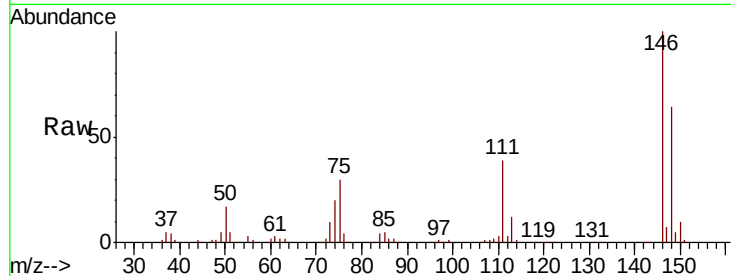




#62
 1,3-Dichlorobenzene
 Concen: 45.715 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

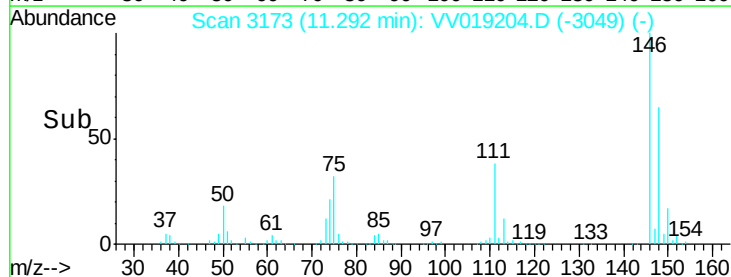
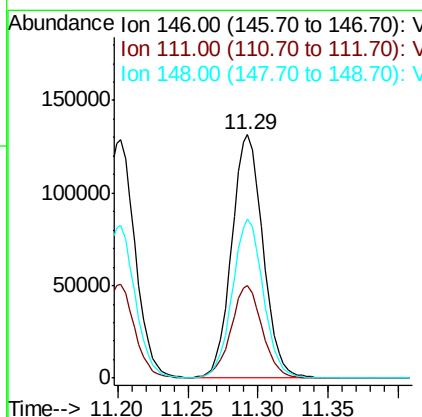
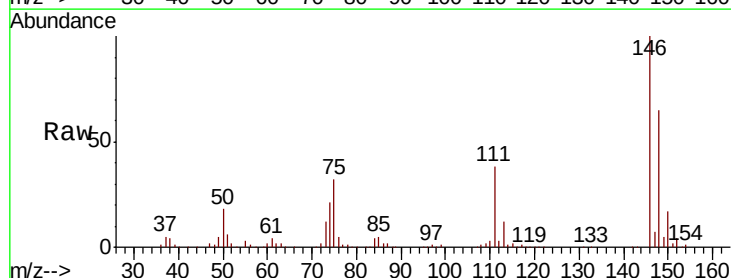
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

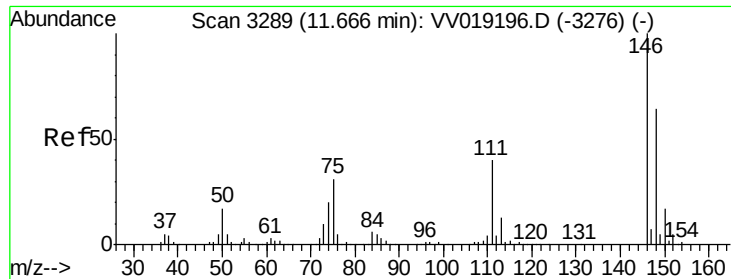
Tot Ion:146 Resp: 198041
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.1 50.3
 148 63.6 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 45.279 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Tgt Ion:146 Resp: 203852
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.8 48.0
 148 65.1 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 46.289 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

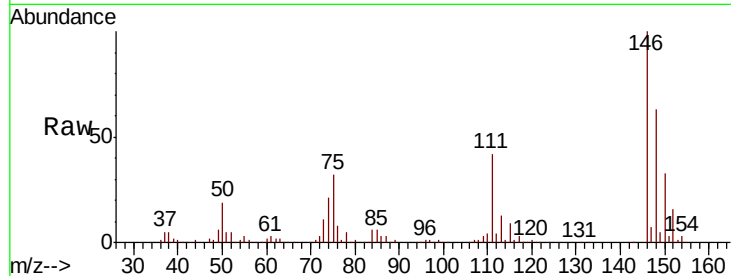
Tot Ion:146 Resp: 198648

Ion Ratio Lower Upper

146 100

111 41.6 32.2 48.4

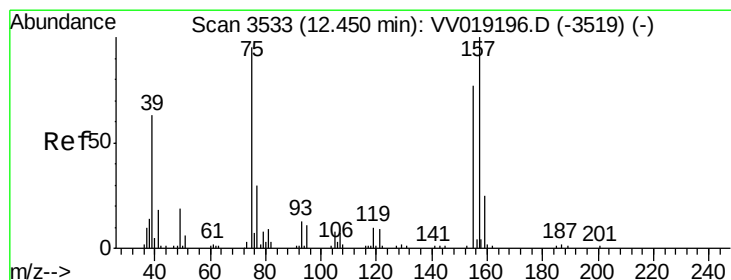
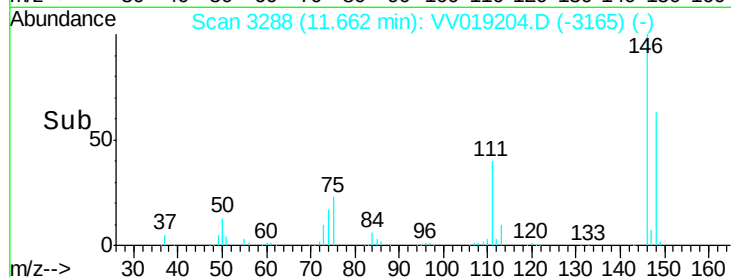
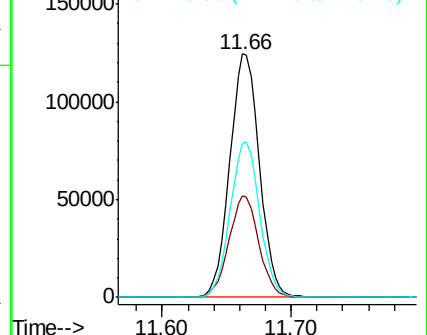
148 63.0 50.8 76.2



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: 41.840 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

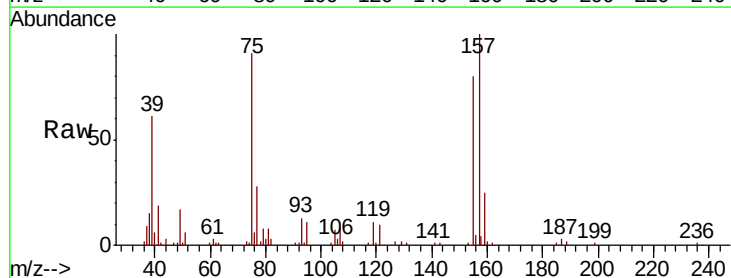
Tgt Ion: 75 Resp: 30723

Ion Ratio Lower Upper

75 100

155 88.4 71.1 106.7

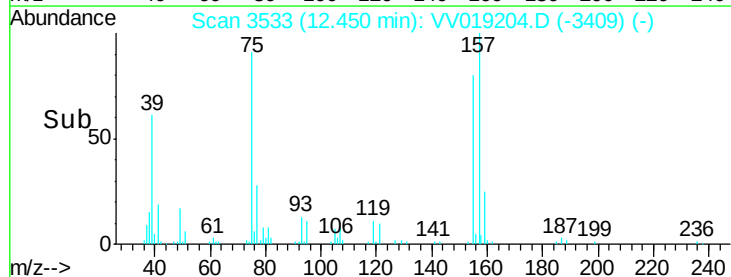
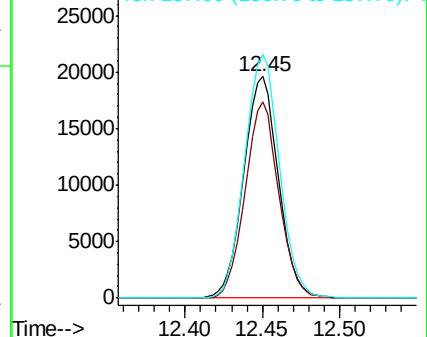
157 110.0 90.5 135.7

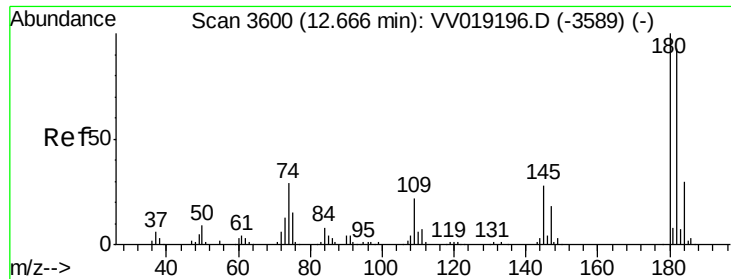


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

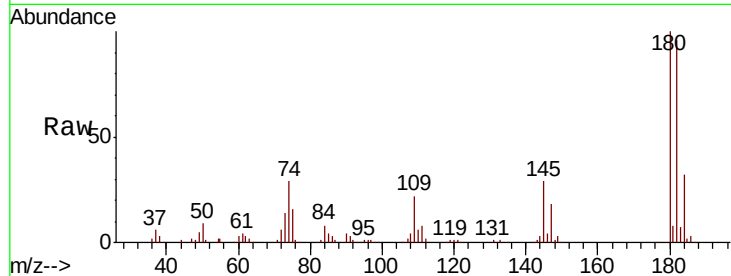




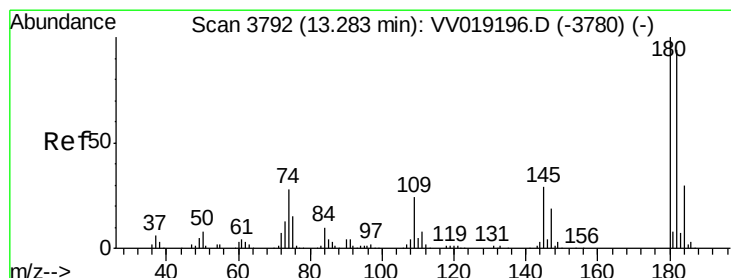
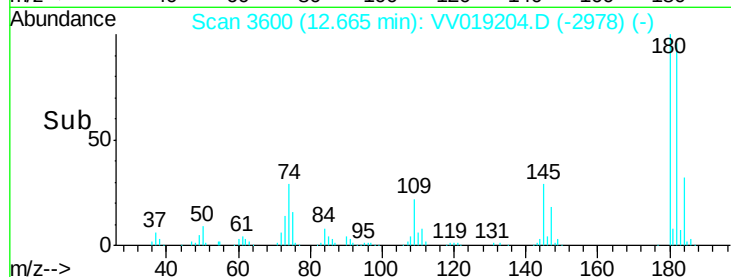
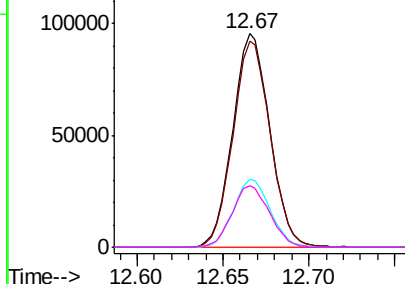
#67
 1,3,5-Trichlorobenzene
 Concen: 44.898 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tot Ion:180	Resp:	143180
Ion	Ratio	Lower Upper
180	100	
182	96.7	76.1 114.1
184	31.5	24.5 36.7
145	29.1	22.7 34.1

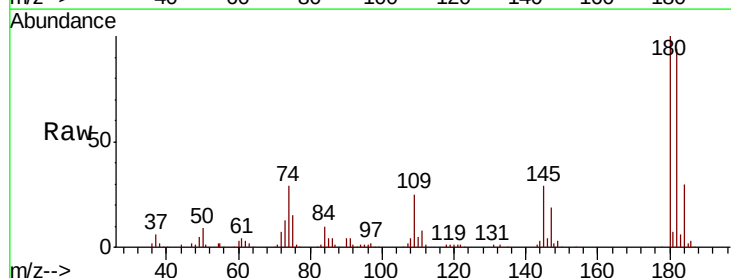


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

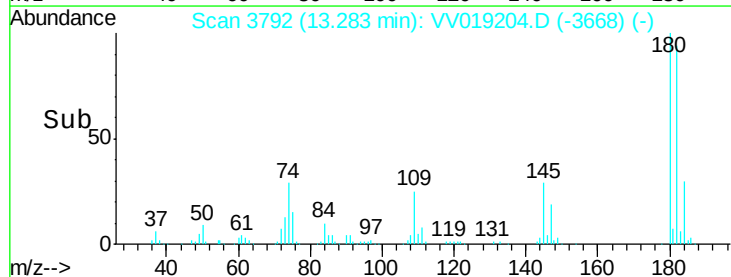
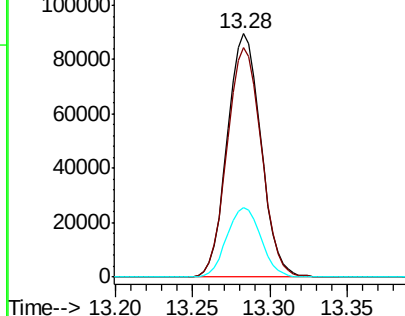


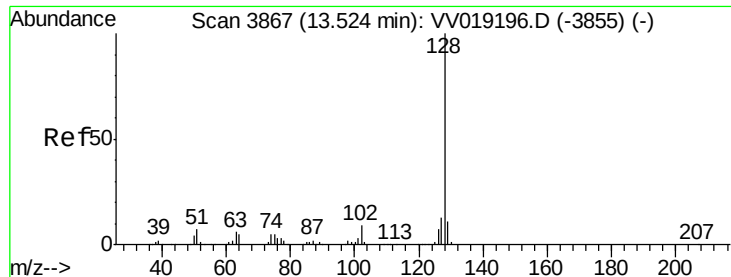
#68
 1,2,4-trichlorobenzene
 Concen: 45.262 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019204.D
 Acq: 02 Nov 2020 15:37

Tgt Ion:180	Resp:	135236
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.8 113.6
145	28.9	22.6 34.0



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





#69

Naphthalene

Concen: 45.800 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

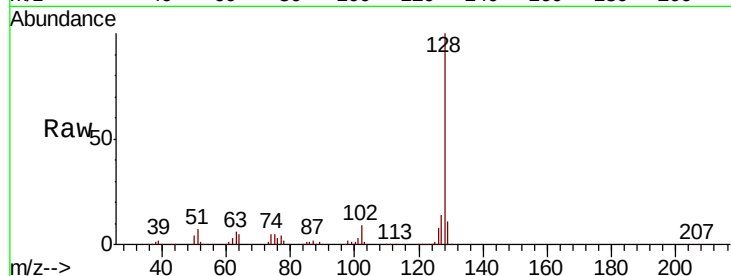
Tot Ion:128 Resp: 383285

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

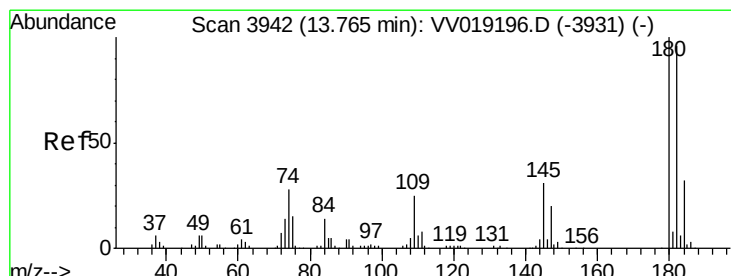
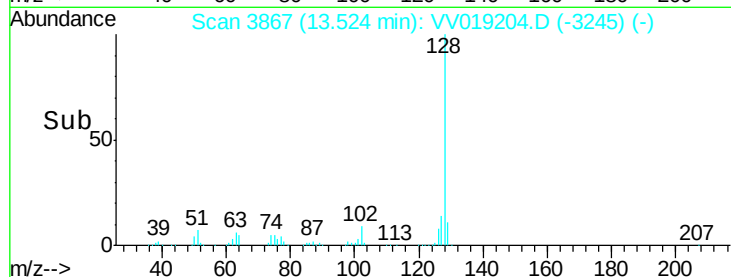
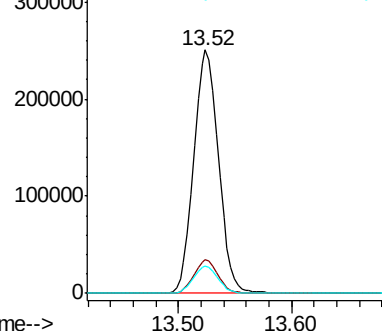
129 11.1 8.6 13.0



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: 46.400 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019204.D

Acq: 02 Nov 2020 15:37

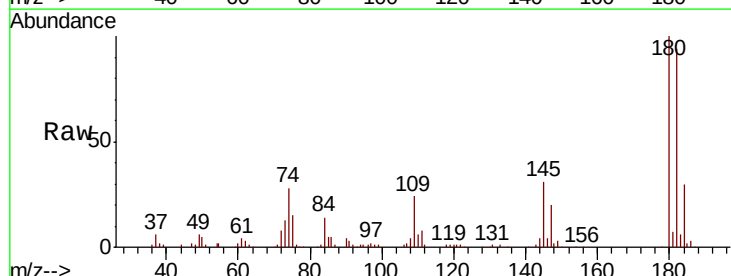
Tgt Ion:180 Resp: 135669

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

145 31.0 25.1 37.7



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

