

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120320\
 Data File : VV019472.D
 Acq On : 03 Dec 2020 22:13
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Dec 04 08:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 08:04:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311157	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308589	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166165	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	153858	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.02%
7) Chloroethane-d5	1.57	69	120765	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.50%
11) 1,1-Dichloroethene-d2	2.12	63	284650	51.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.92%
21) 2-Butanone-d5	3.89	46	186676	98.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.56%
24) Chloroform-d	4.37	84	283263	56.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.76%
26) 1,2-Dichloroethane-d4	5.05	65	191416	58.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.42%
32) Benzene-d6	5.07	84	546167	59.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.72%
36) 1,2-Dichloropropane-d6	6.09	67	180927	59.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.20%
41) Toluene-d8	7.33	98	471691	57.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.42%
43) trans-1,3-Dichloropropene-	7.64	79	86035	58.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.36%
47) 2-Hexanone-d5	8.10	63	118471	99.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.05%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	226488	57.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	172128	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	93114	37.023	ug/L	99
3) Chloromethane	1.25	50	145446	43.002	ug/L	99
5) Vinyl chloride	1.32	62	141949	43.924	ug/L	99
6) Bromomethane	1.52	94	87522	41.541	ug/L	100
8) Chloroethane	1.59	64	92288	44.871	ug/L	98
9) Trichlorofluoromethane	1.76	101	177357	43.710	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96058	44.022	ug/L	94
12) 1,1-Dichloroethene	2.13	96	103984	45.773	ug/L	81
13) Acetone	2.17	43	138600	95.700	ug/L	94
14) Carbon disulfide	2.31	76	319700	48.485	ug/L	99
15) Methyl Acetate	2.44	43	168715	57.535	ug/L	96
16) Methylene chloride	2.52	84	138151	52.503	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	117359	52.233	ug/L	92
18) Methyl tert-butyl Ether	2.78	73	405397	56.741	ug/L	96
19) 1,1-Dichloroethane	3.21	63	260463	56.515	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	132991	53.862	ug/L	89
22) 2-Butanone	3.97	43	226345	117.844	ug/L	92

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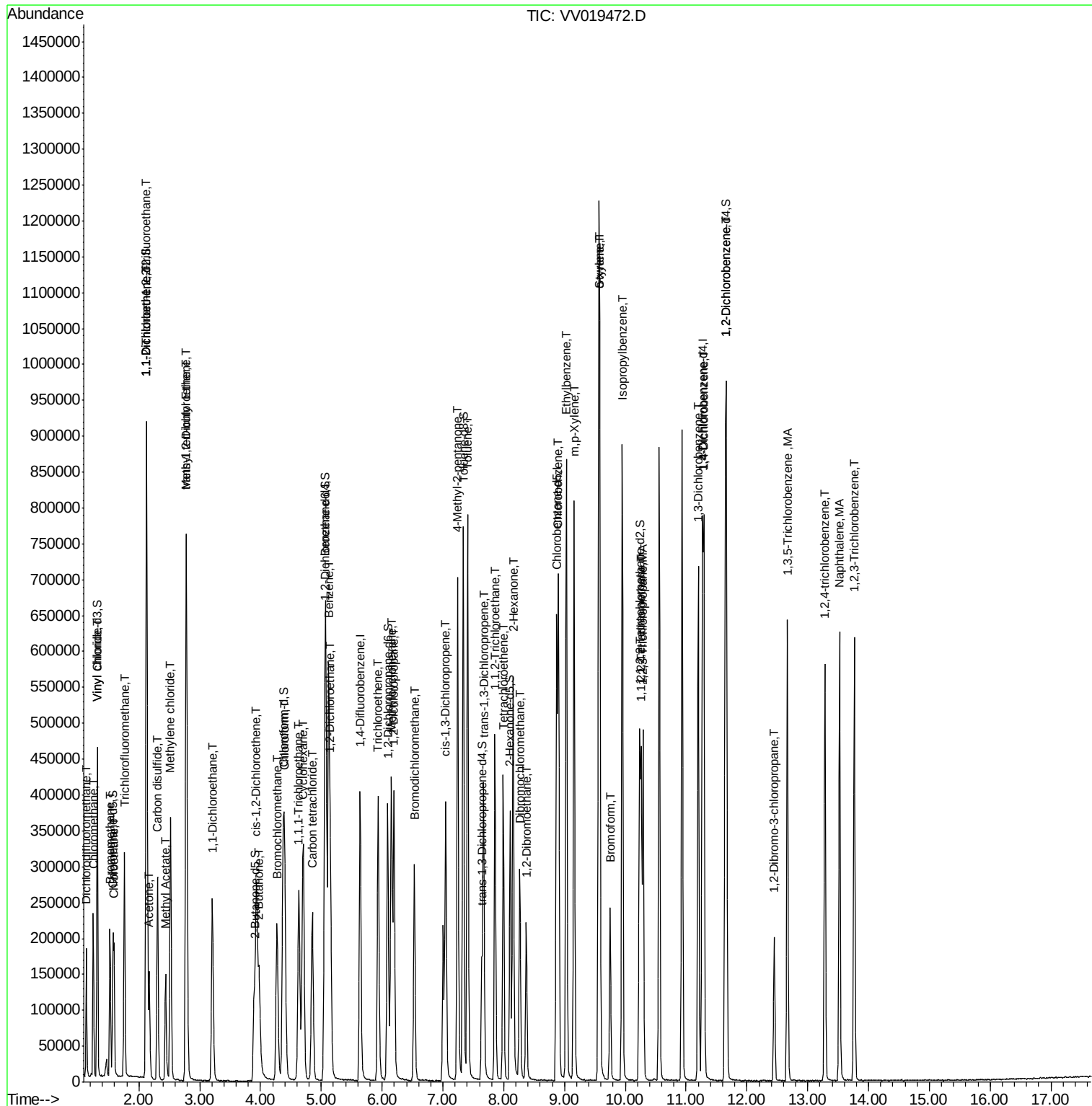
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66556	50.897	ug/L	87
25) Chloroform	4.40	83	257063	55.177	ug/L	99
27) 1,2-Dichloroethane	5.15	62	214575	58.699	ug/L	97
29) Cyclohexane	4.70	56	176358	54.595	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	209053	56.084	ug/L	97
31) Carbon tetrachloride	4.85	117	167300	52.281	ug/L	99
33) Benzene	5.12	78	541791	58.667	ug/L	100
34) Trichloroethene	5.94	95	135363	52.561	ug/L	98
35) Methylcyclohexane	6.15	83	158143	52.184	ug/L	97
37) 1,2-Dichloropropane	6.19	63	153577	60.292	ug/L	98
38) Bromodichloromethane	6.53	83	194374	57.556	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	222367	59.100	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	462410	128.741	ug/L	97
42) Toluene	7.41	91	541074	56.480	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	222769	59.440	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	134841	56.532	ug/L	99
46) Tetrachloroethene	7.99	164	85309	47.696	ug/L	94
48) 2-Hexanone	8.15	43	358808	126.129	ug/L	96
49) Dibromochloromethane	8.26	129	139717	53.000	ug/L	99
50) 1,2-Dibromoethane	8.37	107	138488	54.709	ug/L	98
51) Chlorobenzene	8.90	112	332712	52.645	ug/L	100
52) Ethylbenzene	9.03	91	569636	55.408	ug/L	98
53) m,p-Xylene	9.16	106	206565	54.304	ug/L	100
54) o-xylene	9.56	106	202538	54.684	ug/L	96
55) Styrene	9.58	104	376303	56.756	ug/L	98
56) Isopropylbenzene	9.95	105	524629	54.065	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	213786	58.638	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	190386	56.900	ug/L	99
61) Bromoform	9.75	173	99884	52.580	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	256250	53.009	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	264655	52.088	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	264713	53.337	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	50419	58.709	ug/L	86
67) 1,3,5-Trichlorobenzene	12.67	180	175819	49.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	160197	51.420	ug/L	99
69) Naphthalene	13.52	128	446446	56.354	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	171913	52.792	ug/L	99

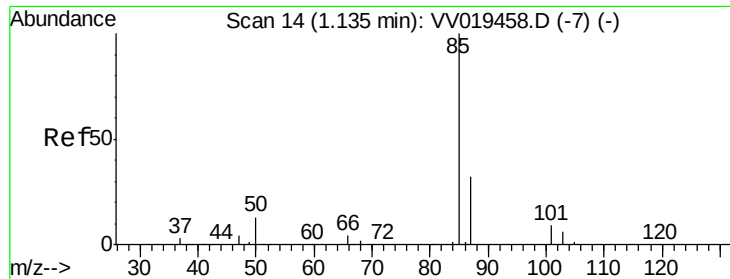
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#2

Dichlorodifluoromethane

Concen: 37.023 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

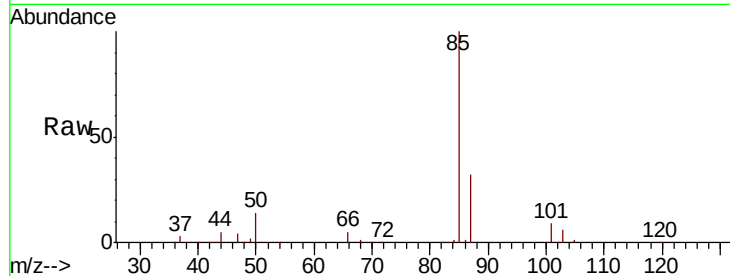
VSTD05076

Tot Ion: 85 Resp: 93114

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV019472.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019472.D (-1) (-)

1.14

100000

80000

60000

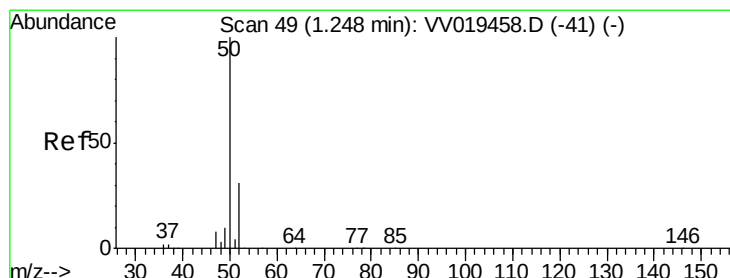
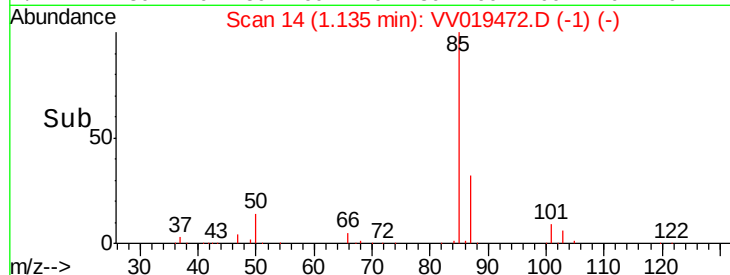
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 43.002 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019472.D

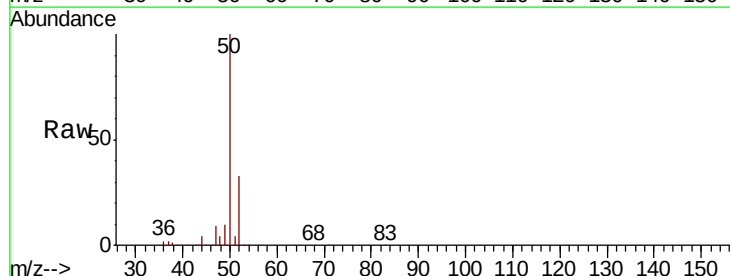
Acq: 03 Dec 2020 22:13

Tgt Ion: 50 Resp: 145446

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV019472.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019472.D (-1) (-)

1.25

150000

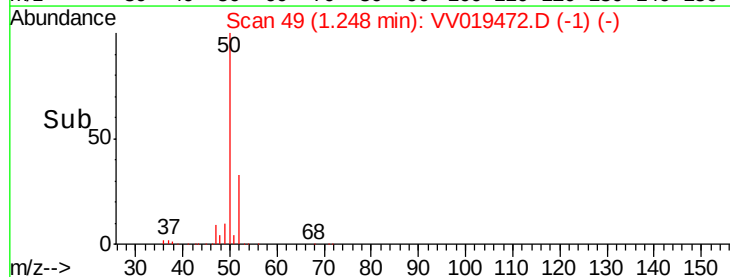
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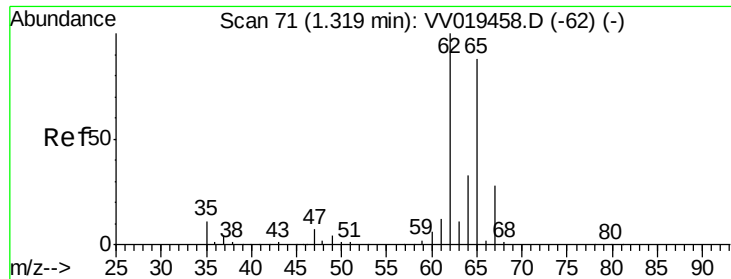
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 43.924 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

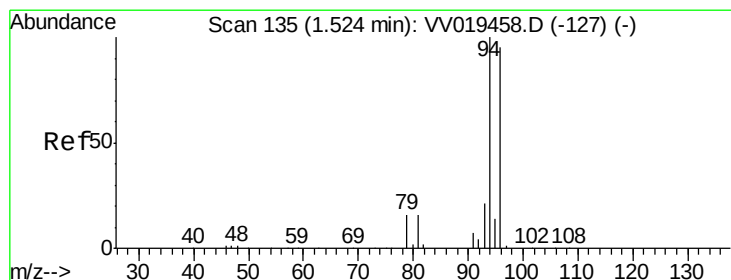
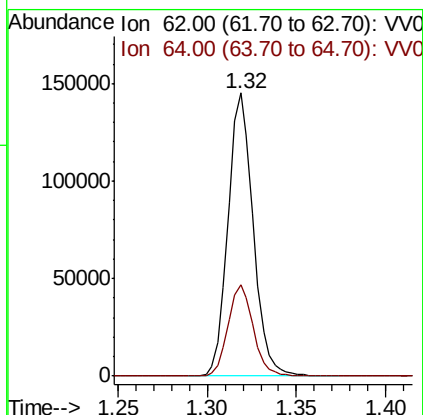
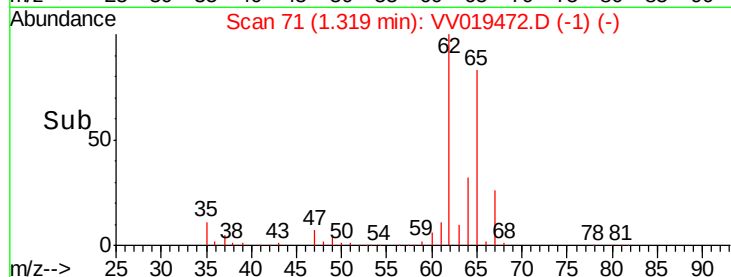
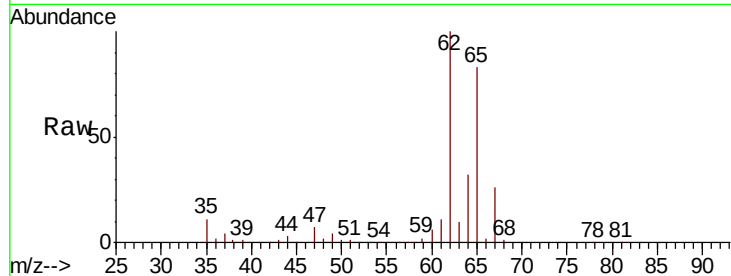
VSTD05076

Tot Ion: 62 Resp: 141949

Ion Ratio Lower Upper

62 100

64 32.3 23.1 42.9



#6

Bromomethane

Concen: 41.541 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019472.D

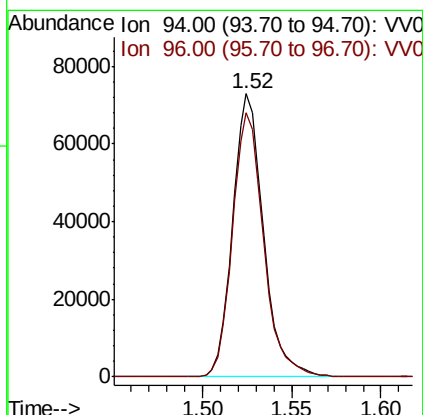
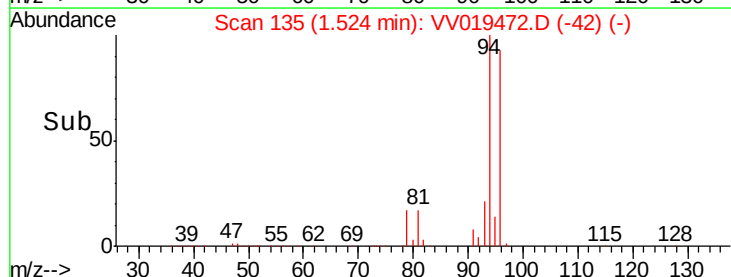
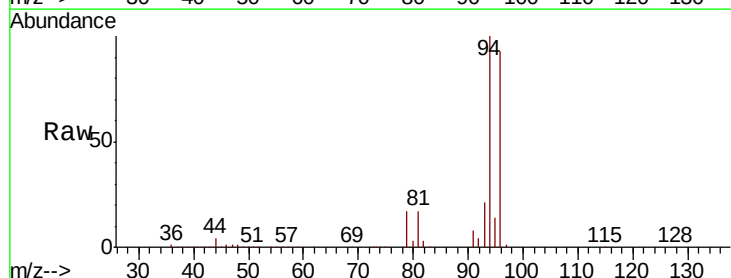
Acq: 03 Dec 2020 22:13

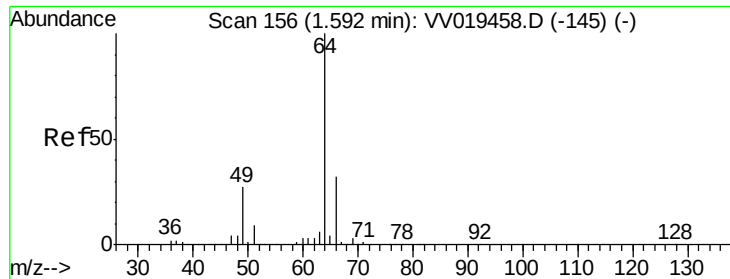
Tgt Ion: 94 Resp: 87522

Ion Ratio Lower Upper

94 100

96 93.2 65.5 121.7





#8

Chloroethane

Concen: 44.871 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

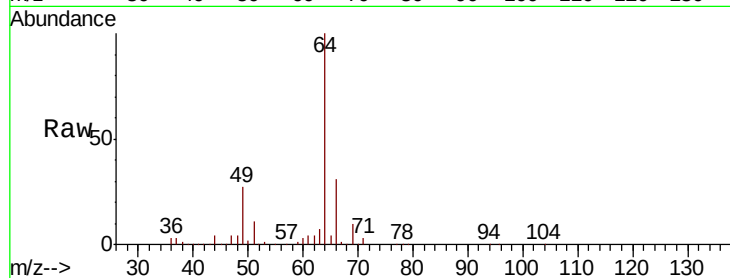
VSTD05076

Tot Ion: 64 Resp: 92288

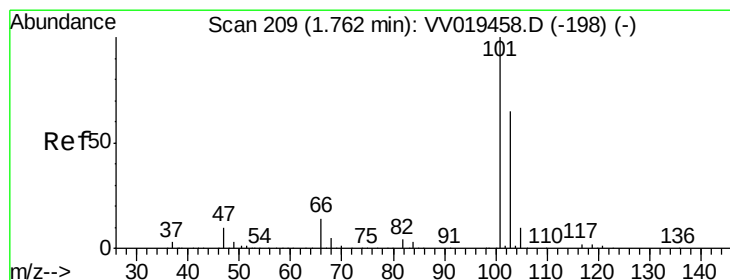
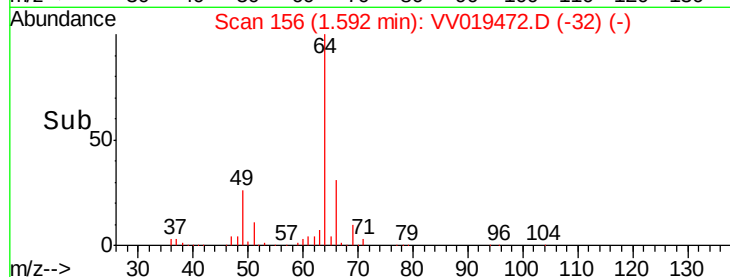
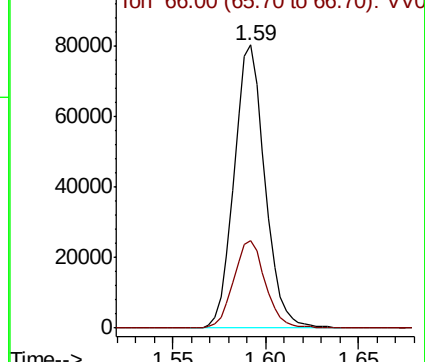
Ion Ratio Lower Upper

64 100

66 31.0 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV019472.D (-156) (-)



#9

Trichlorofluoromethane

Concen: 43.710 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019472.D

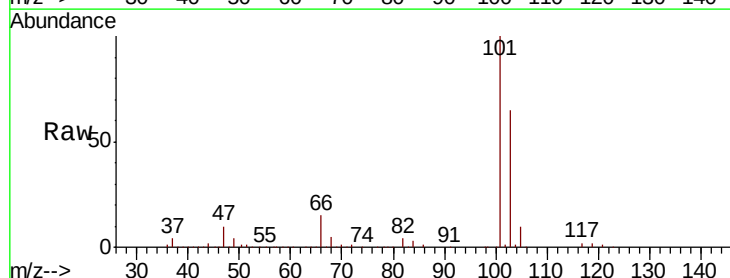
Acq: 03 Dec 2020 22:13

Tgt Ion: 101 Resp: 177357

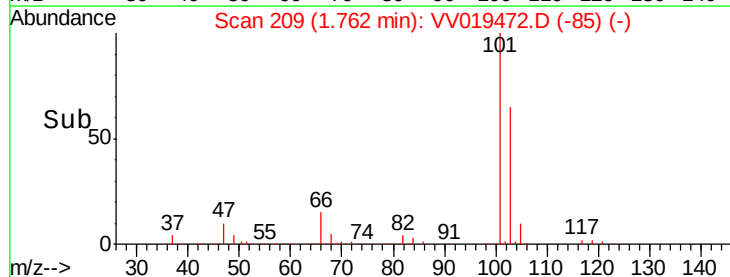
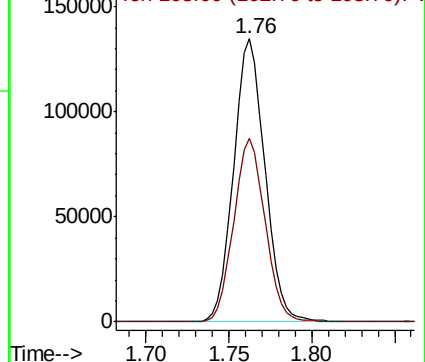
Ion Ratio Lower Upper

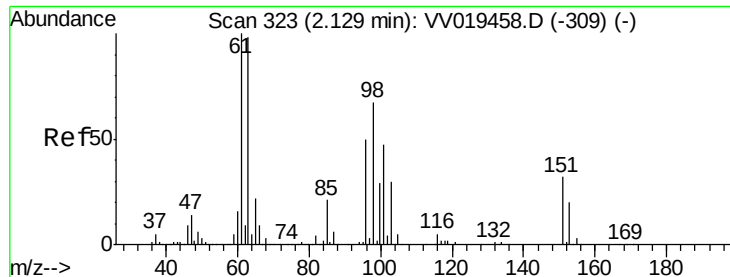
101 100

103 65.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019472.D (-209) (-)





#10

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

Concen: 44.022 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

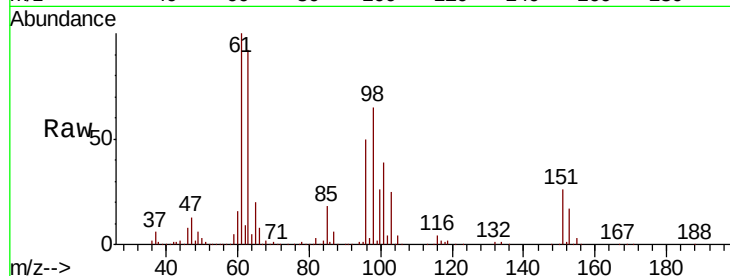
Tot Ion:101 Resp: 96058

Ion Ratio Lower Upper

101 100

85 46.0 35.5 53.3

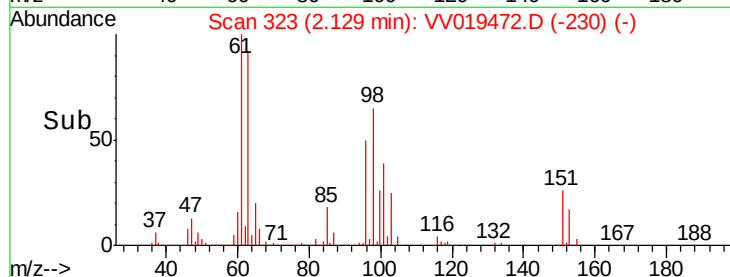
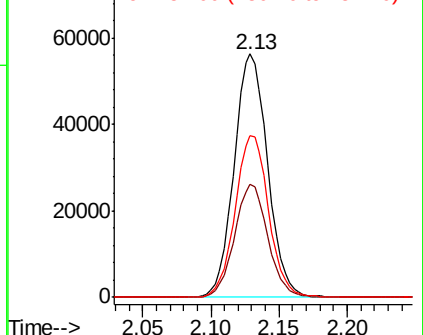
151 66.6 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 45.773 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

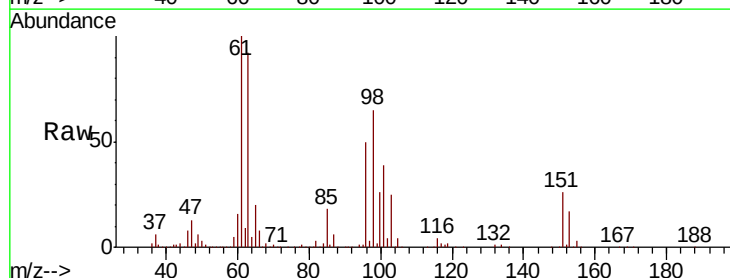
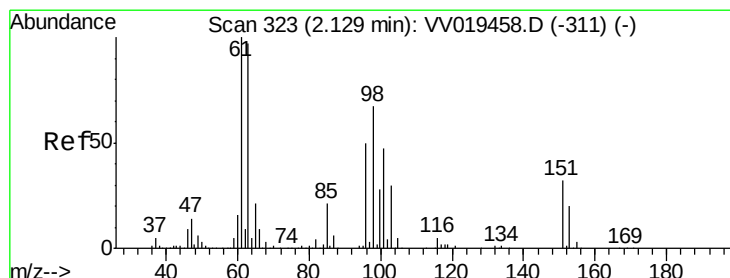
Tgt Ion: 96 Resp: 103984

Ion Ratio Lower Upper

96 100

61 201.9 130.0 241.4

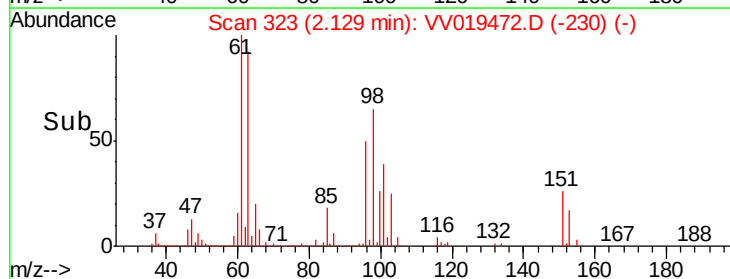
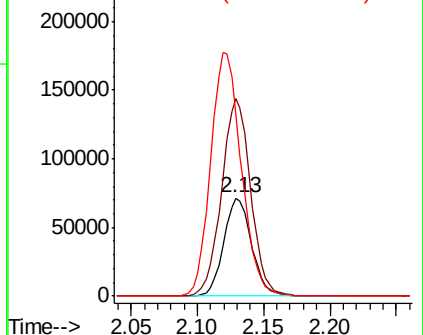
63 186.4 105.1 195.3

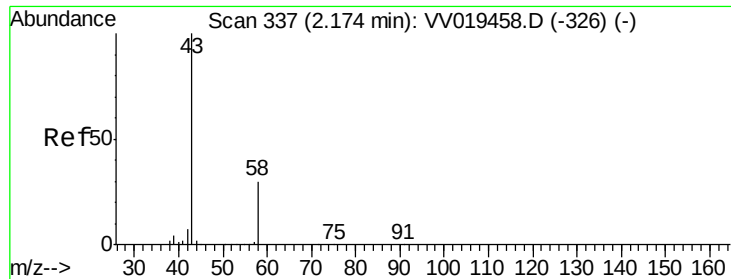


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

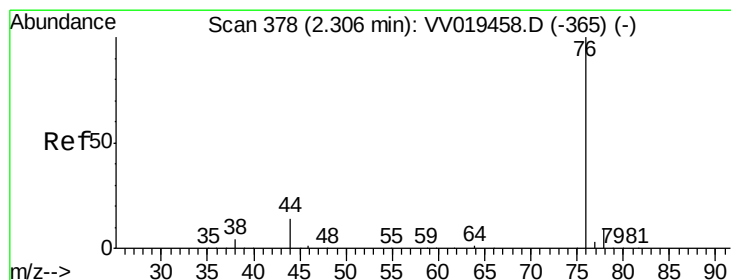
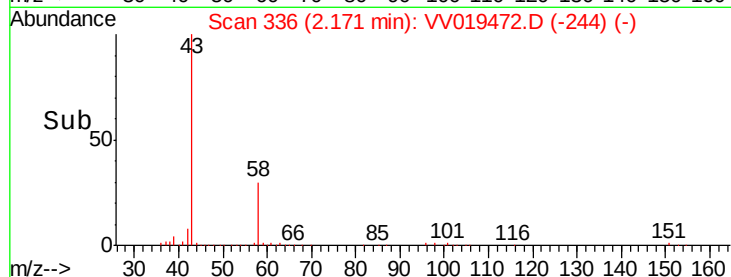
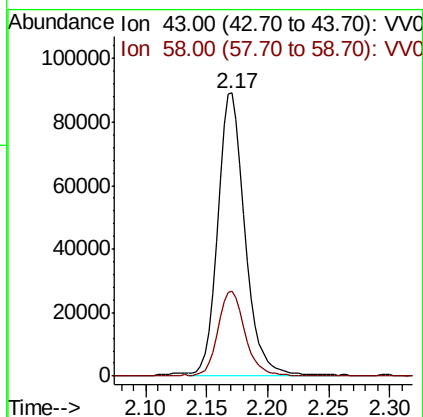
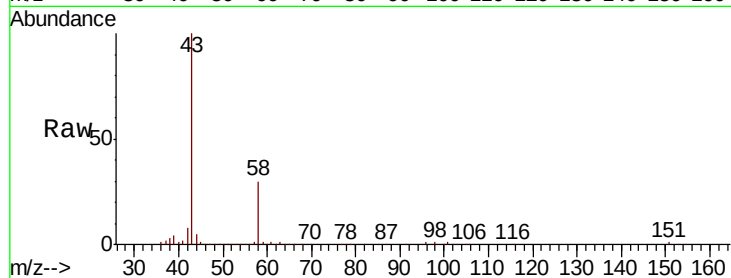




#13
Acetone
Concen: 95.700 ug/L
RT: 2.17 min Scan# 336
Delta R.T. -0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

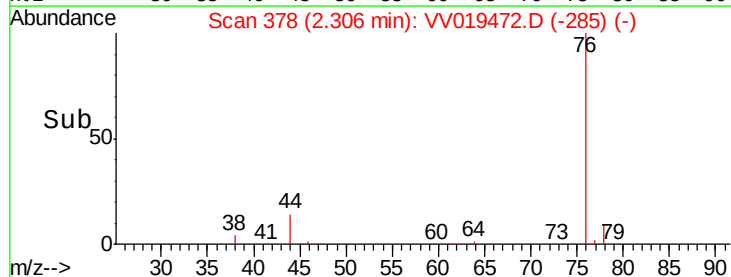
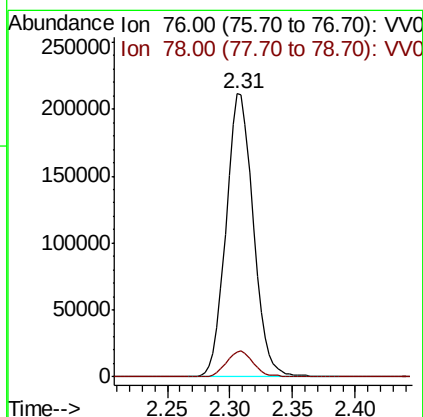
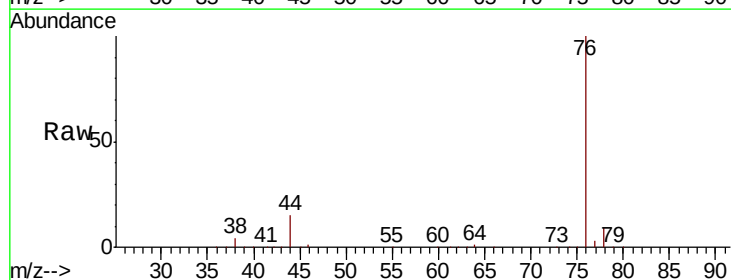
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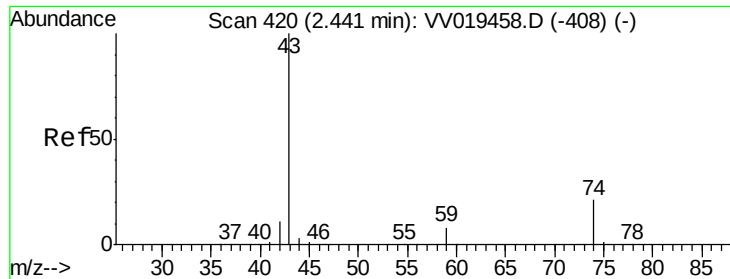
Tot Ion: 43 Resp: 138600
Ion Ratio Lower Upper
43 100
58 29.8 0.0 66.4



#14
Carbon disulfide
Concen: 48.485 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Tgt Ion: 76 Resp: 319700
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

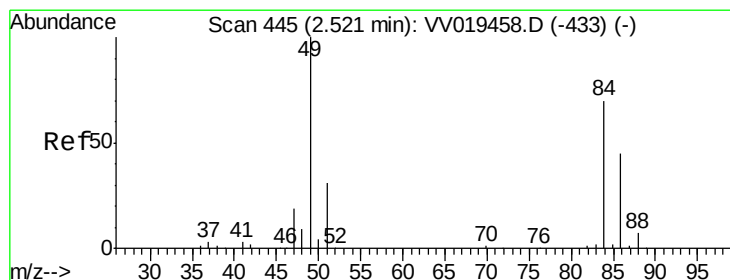
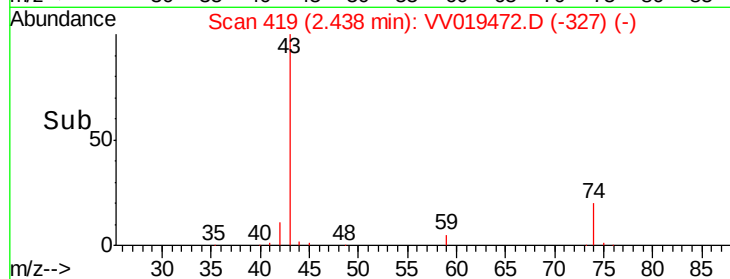
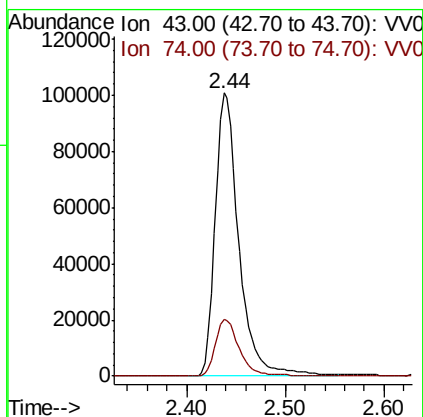
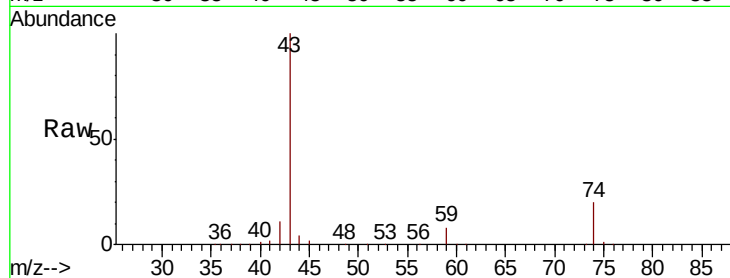




#15
Methvl Acetate
Concen: 57.535 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

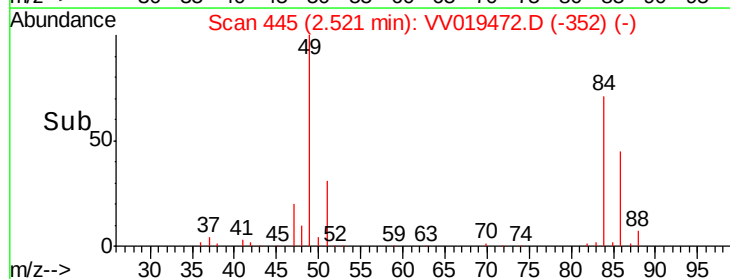
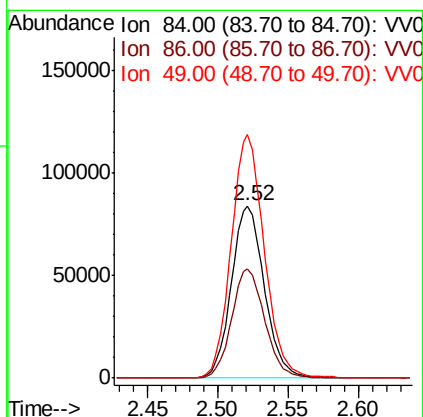
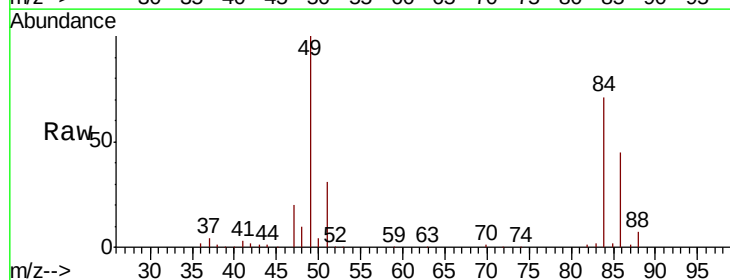
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

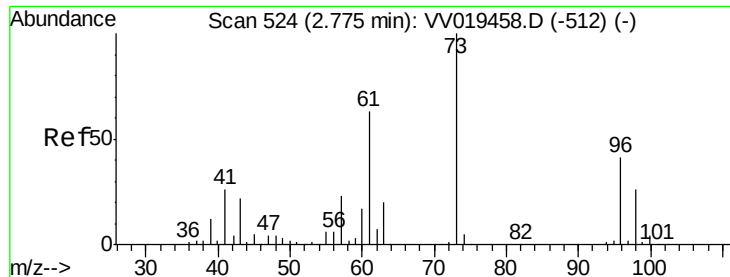
Tot Ion: 43 Resp: 168715
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.8



#16
Methylene chloride
Concen: 52.503 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Tgt Ion: 84 Resp: 138151
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.2
49 141.4 92.0 170.9

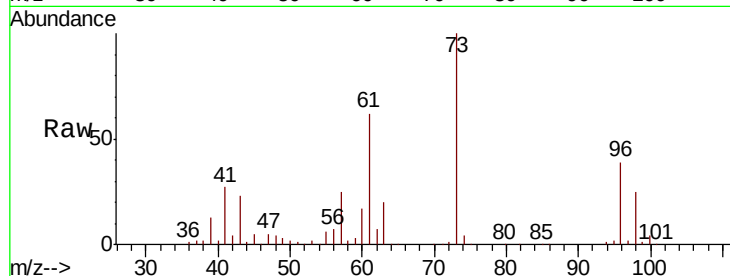




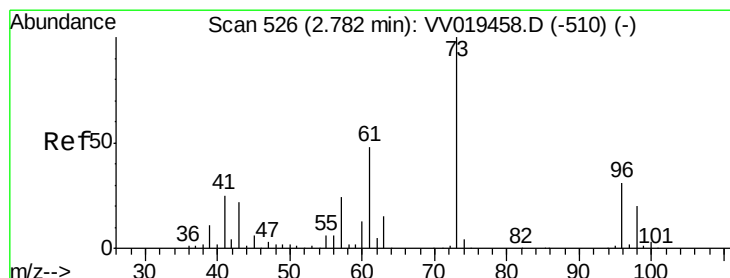
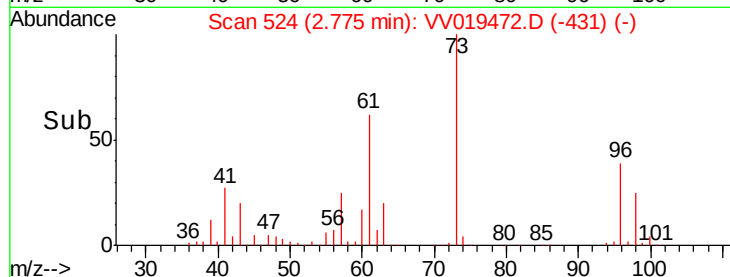
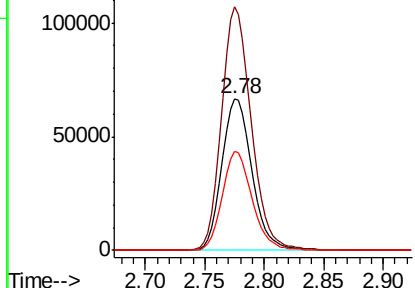
#17
trans-1,2-Dichloroethene
Concen: 52.233 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 96 Resp: 117359
Ion Ratio Lower Upper
96 100
61 160.7 103.7 192.5
98 65.3 44.0 81.6

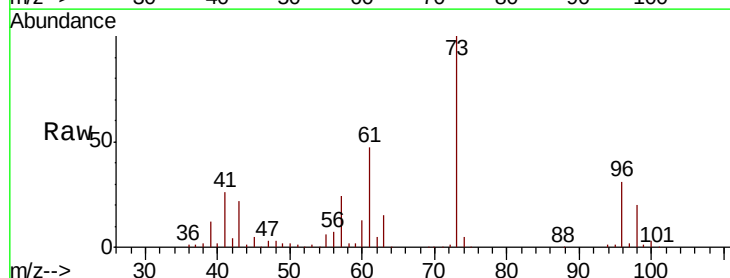


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

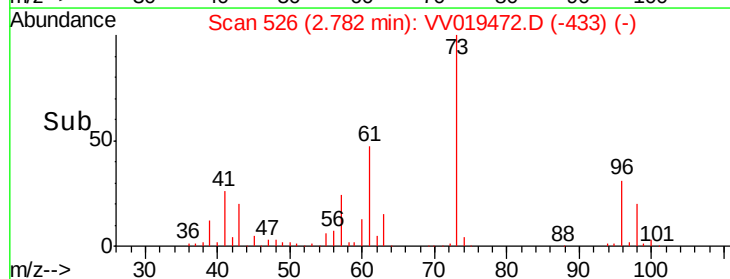
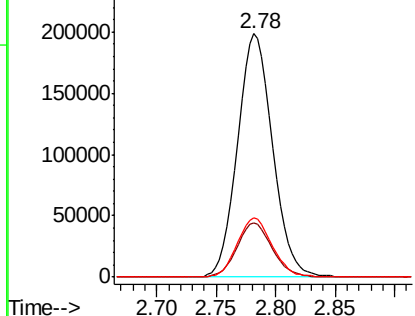


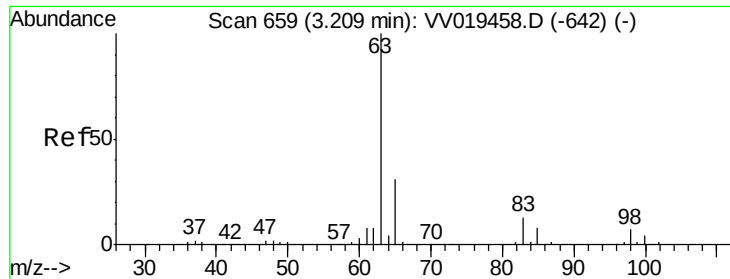
#18
Methyl tert-butyl Ether
Concen: 56.741 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Tgt Ion: 73 Resp: 405397
Ion Ratio Lower Upper
73 100
43 22.0 15.6 23.4
57 24.4 18.3 27.5



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

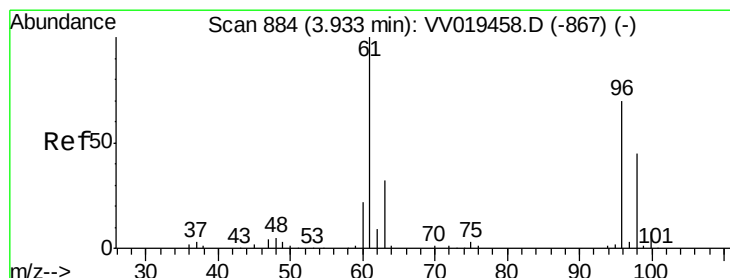
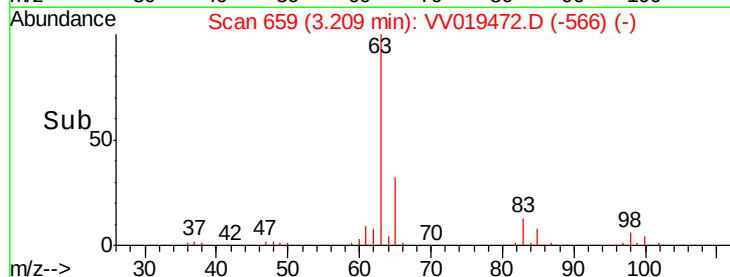
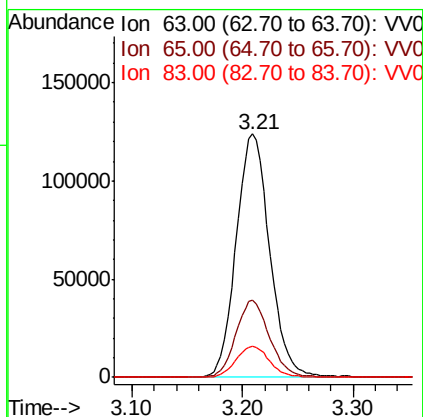
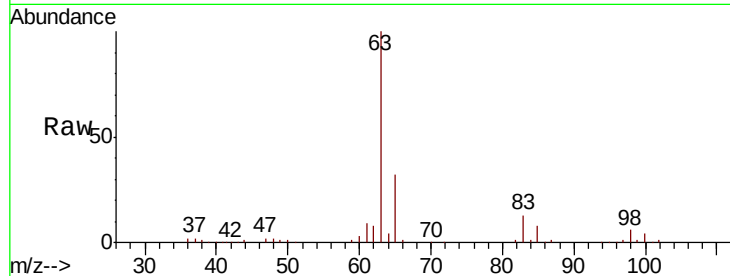




#19
 1,1-Dichloroethane
 Concen: 56.515 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

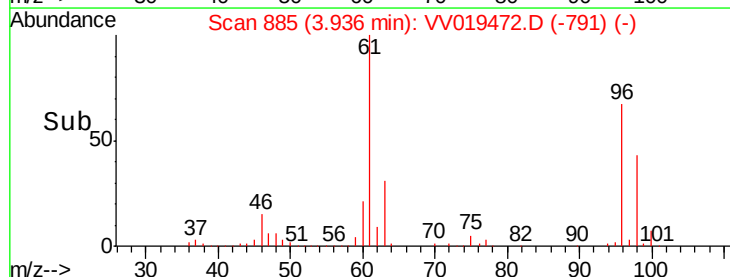
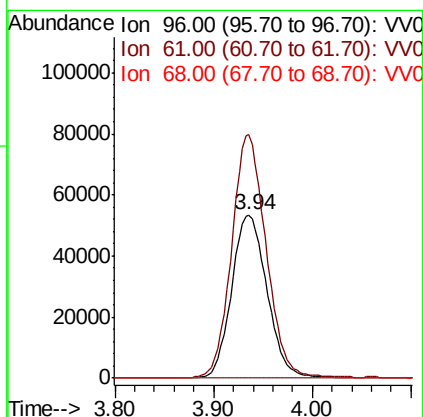
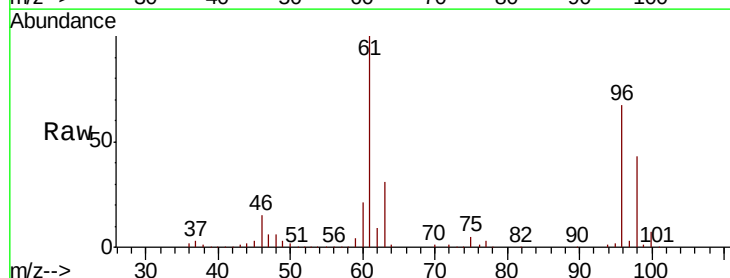
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

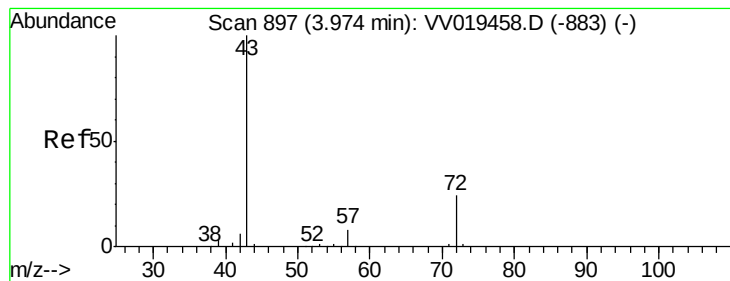
Tot Ion: 63 Resp: 260463
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.8 40.4
 83 12.6 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 53.862 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion: 96 Resp: 132991
 Ion Ratio Lower Upper
 96 100
 61 149.3 95.5 177.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 117.844 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

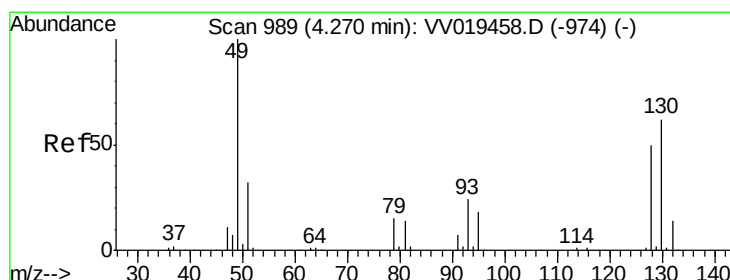
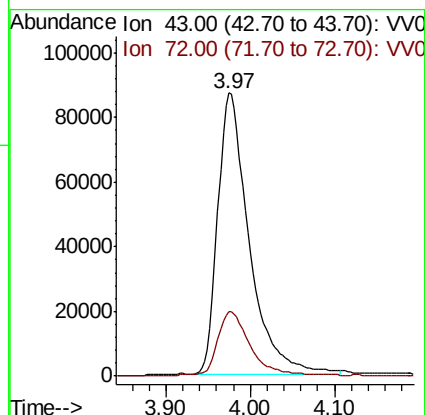
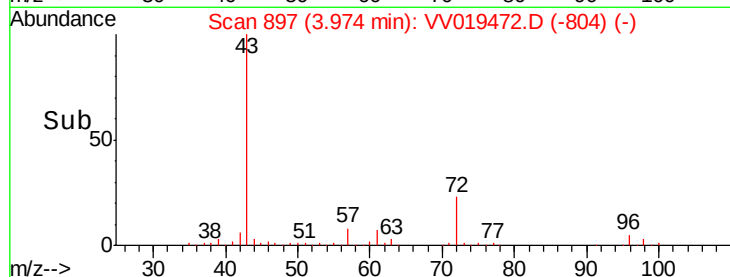
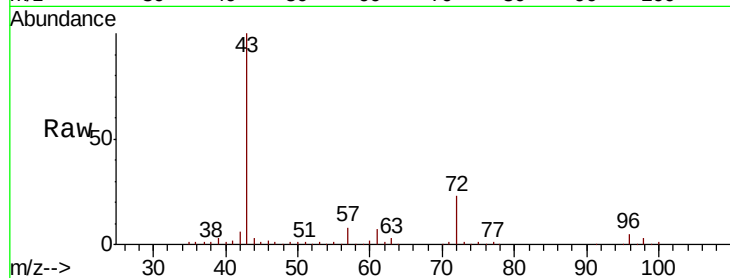
VSTD05076

Tot Ion: 43 Resp: 226345

Ion Ratio Lower Upper

43 100

72 21.4 12.7 38.1



#23

Bromochloromethane

Concen: 50.897 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Tgt Ion: 128 Resp: 66556

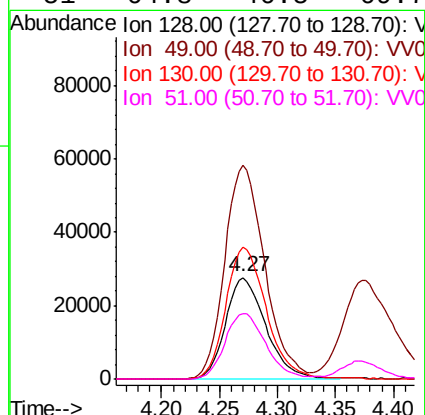
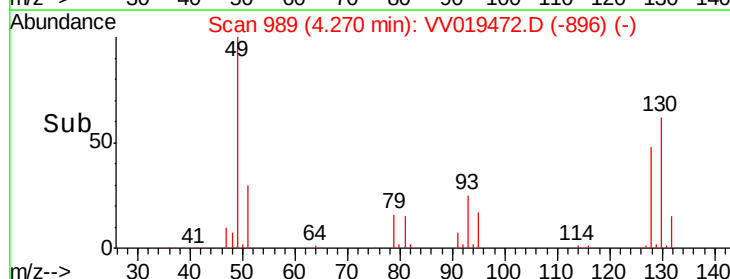
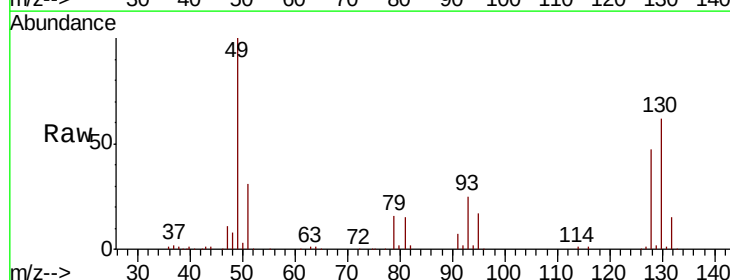
Ion Ratio Lower Upper

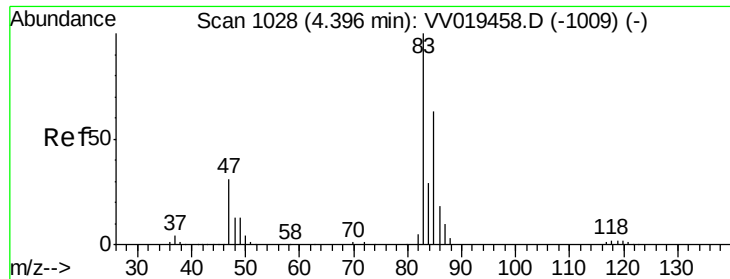
128 100

49 210.7 126.1 234.1

130 129.7 89.4 166.0

51 64.8 46.5 69.7

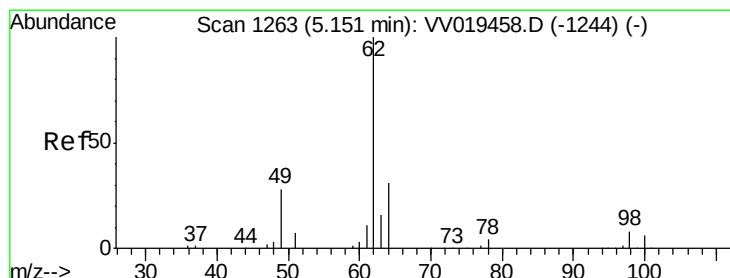
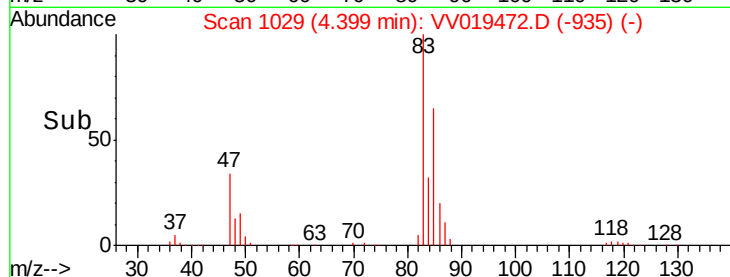
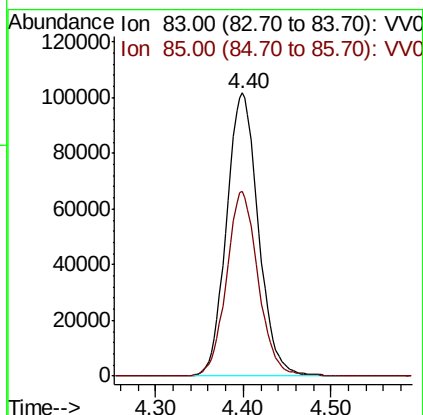
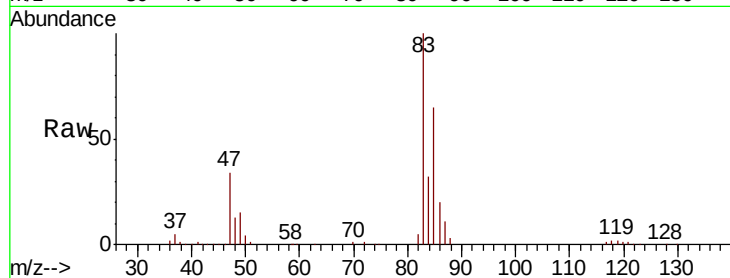




#25
Chloroform
Concen: 55.177 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

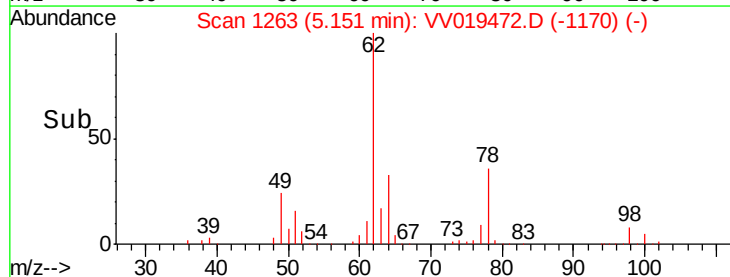
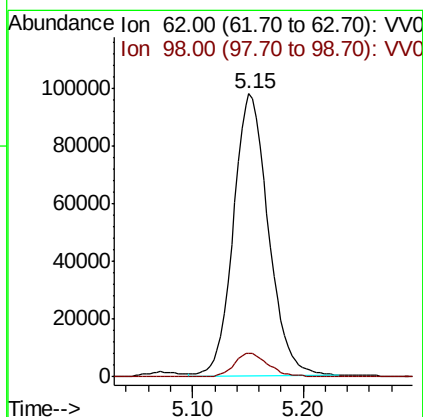
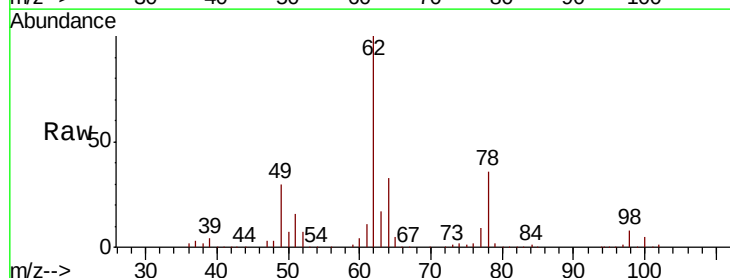
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

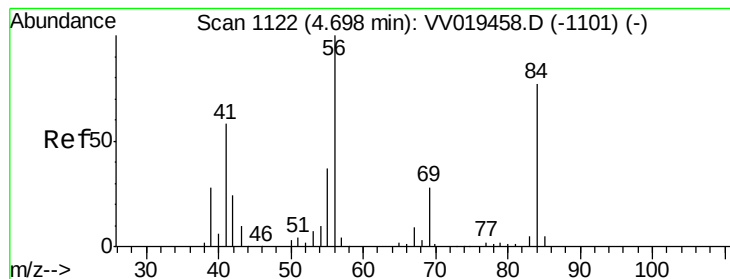
Tot Ion: 83 Resp: 257063
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 58.699 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Tgt Ion: 62 Resp: 214575
Ion Ratio Lower Upper
62 100
98 8.4 7.6 11.4





#29

Cyclohexane

Concen: 54.595 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

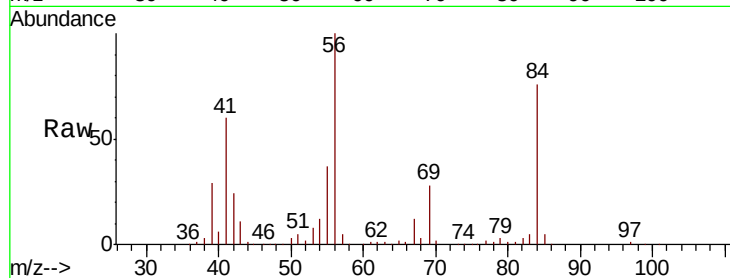
Tot Ion: 56 Resp: 176358

Ion Ratio Lower Upper

56 100

69 29.2 23.8 35.8

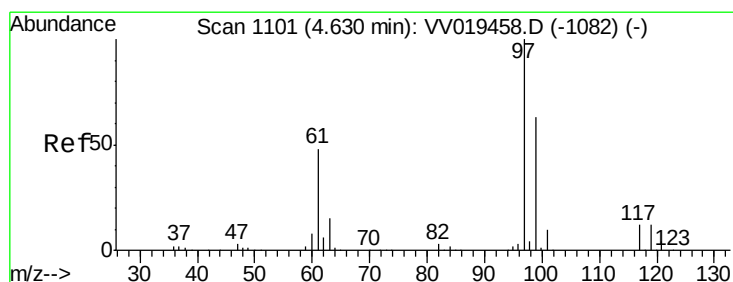
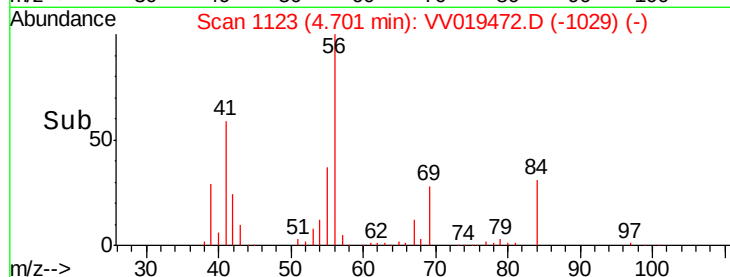
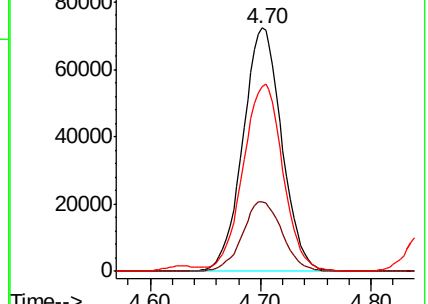
84 78.4 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 56.084 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

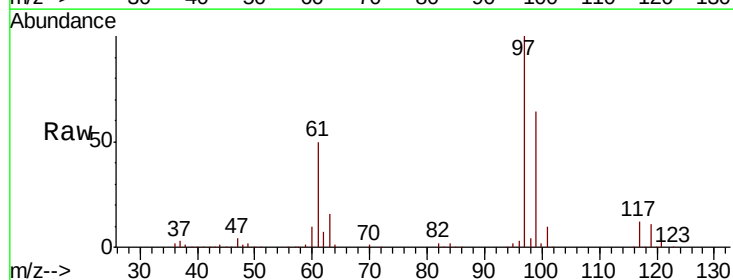
Tgt Ion: 97 Resp: 209053

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

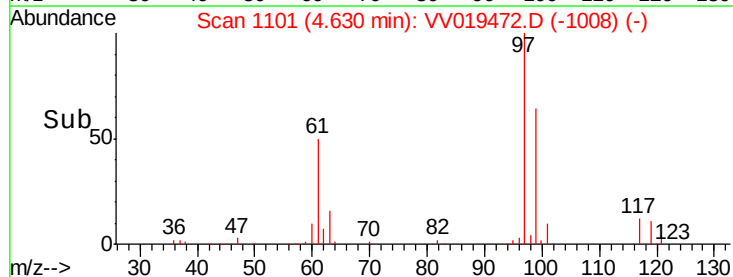
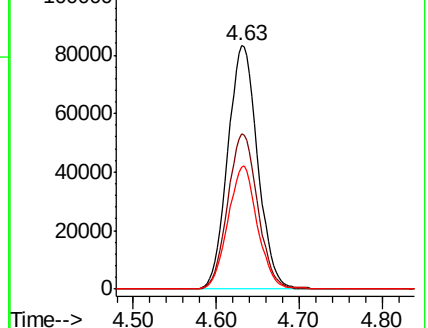
61 50.1 36.9 55.3

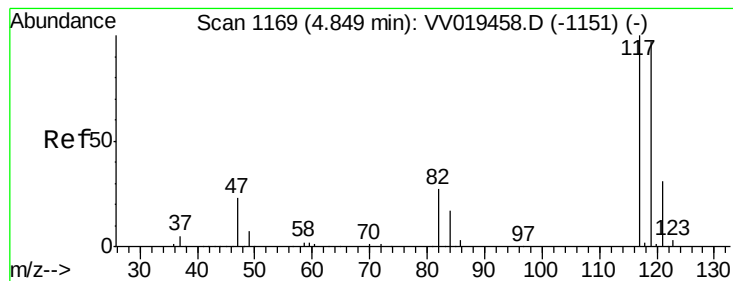


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 52.281 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

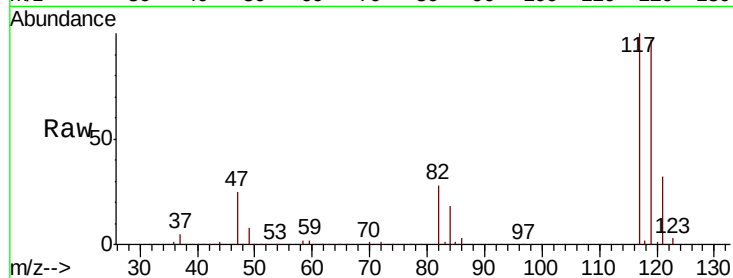
VSTD05076

Tot Ion:117 Resp: 167300

Ion Ratio Lower Upper

117 100

119 96.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

80000

60000

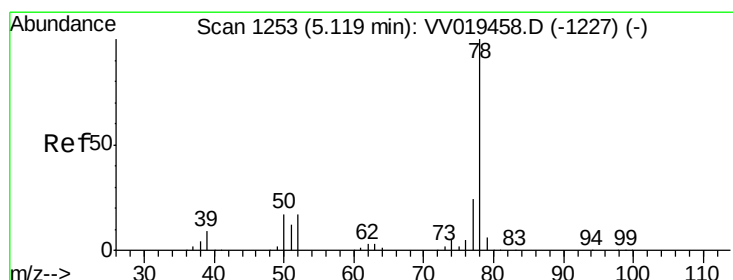
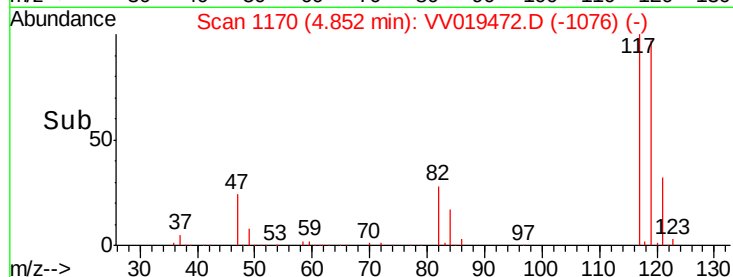
40000

20000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 58.667 ug/L

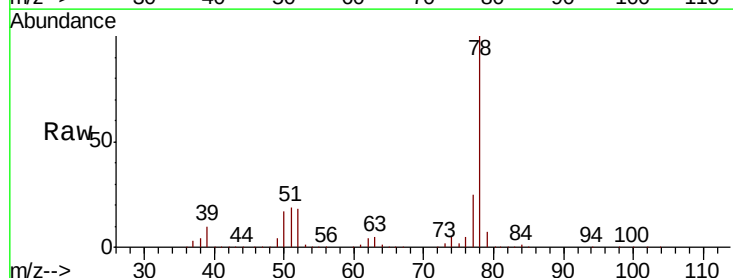
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Tgt Ion: 78 Resp: 541791



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

250000

200000

150000

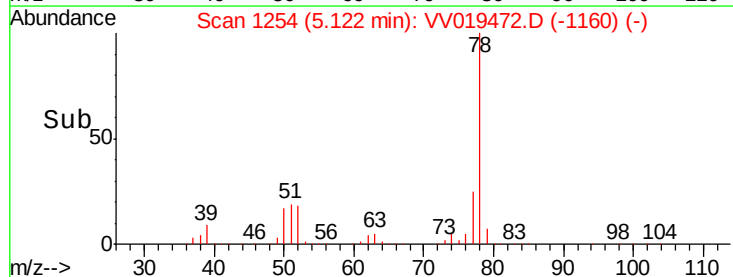
100000

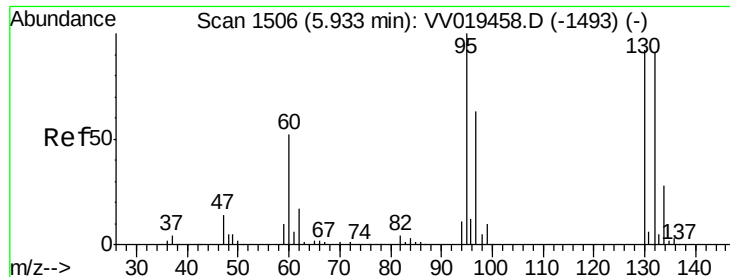
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 52.561 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tot Ion: 95 Resp: 135363

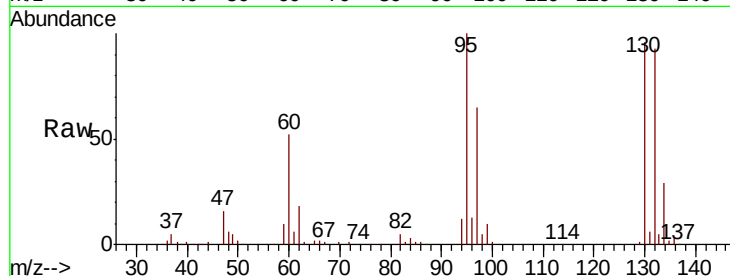
Ion Ratio Lower Upper

95 100

97 64.9 43.8 81.3

132 92.5 65.6 121.8

130 96.2 69.2 128.6

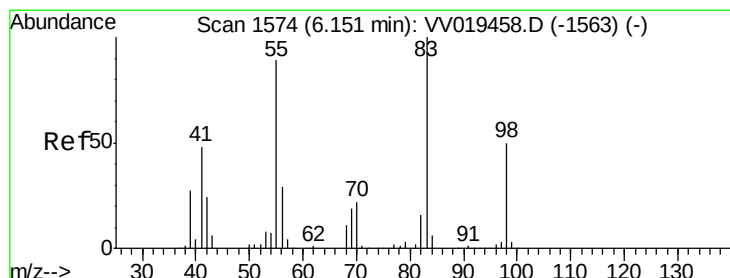
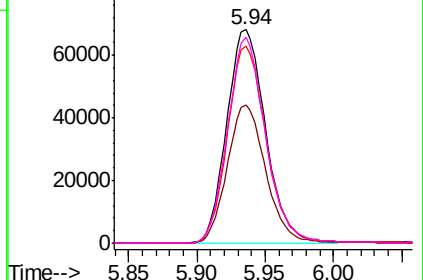
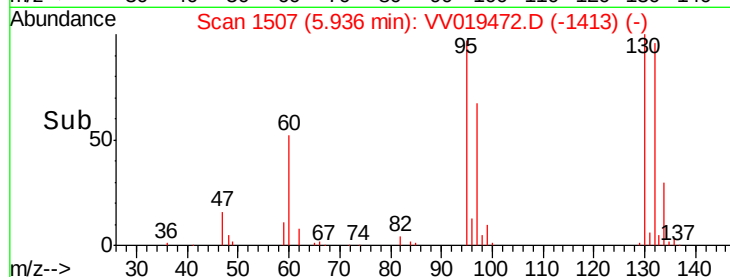


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 52.184 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

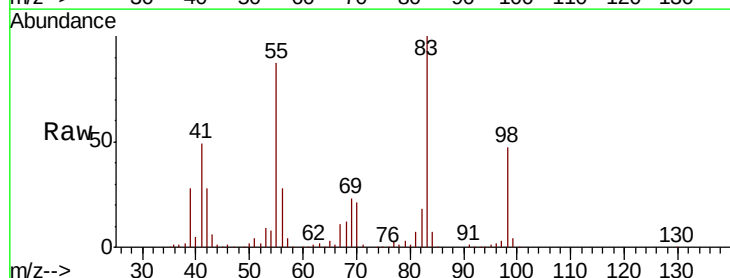
Tgt Ion: 83 Resp: 158143

Ion Ratio Lower Upper

83 100

55 87.5 67.4 101.2

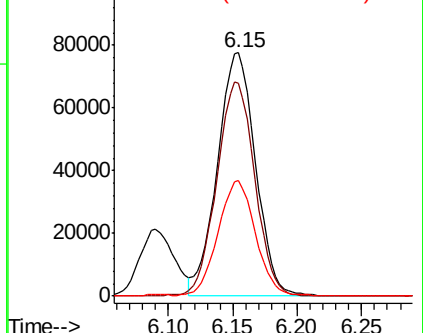
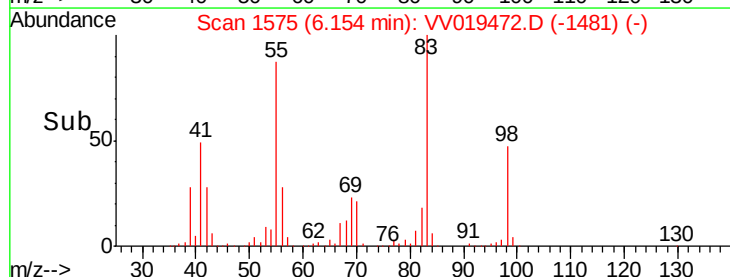
98 47.2 38.3 57.5

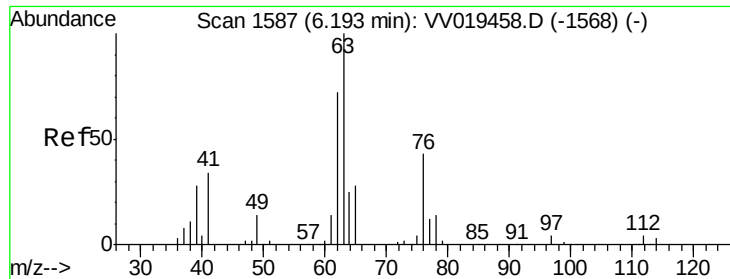


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

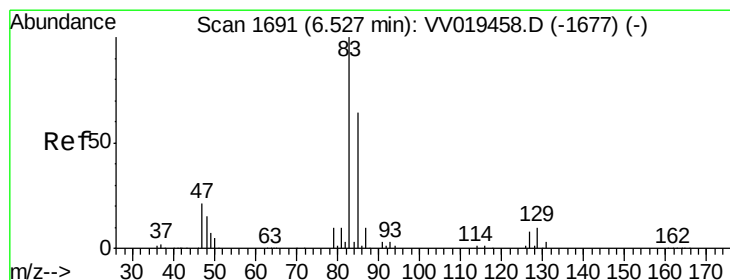
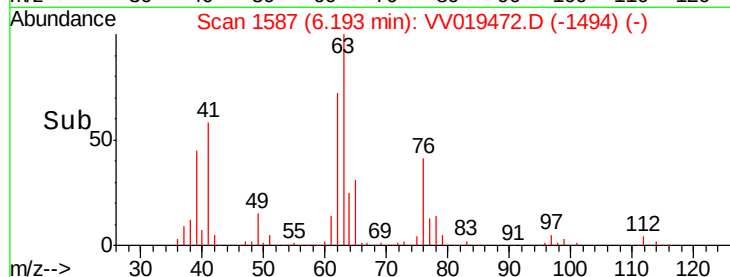
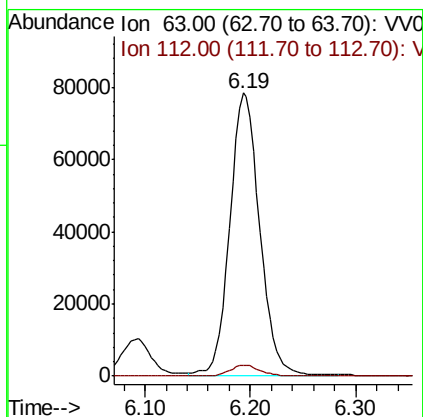
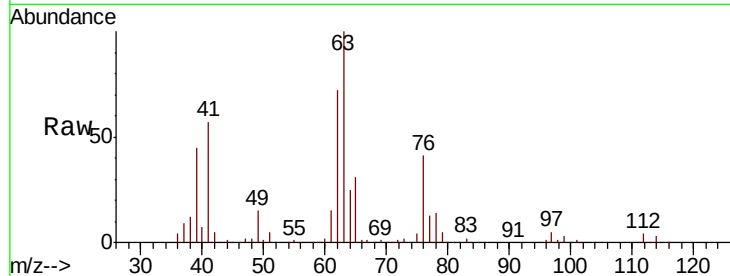




#37
 1,2-Dichloropropane
 Concen: 60.292 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

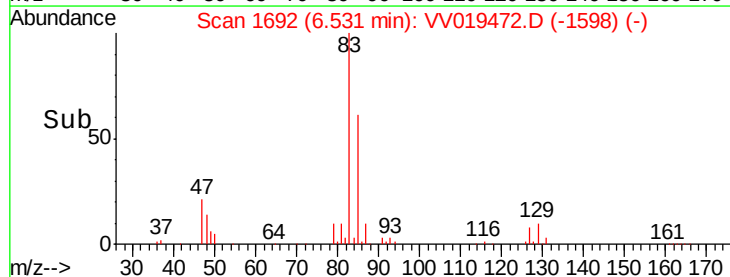
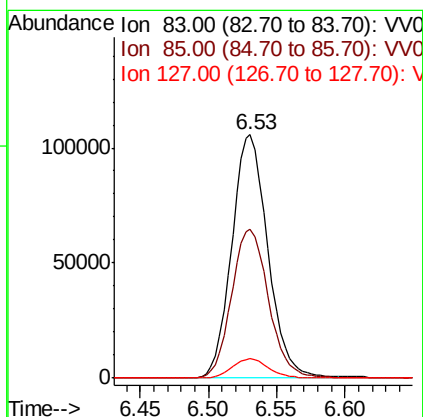
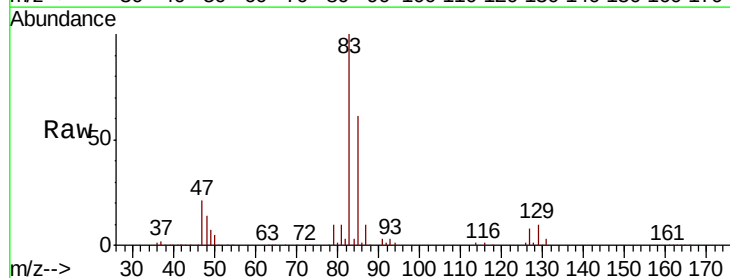
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

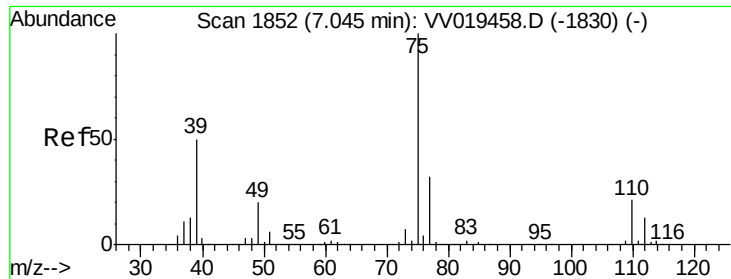
Tot Ion: 63 Resp: 153577
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 57.556 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion: 83 Resp: 194374
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.3 84.1
 127 7.9 6.6 9.8

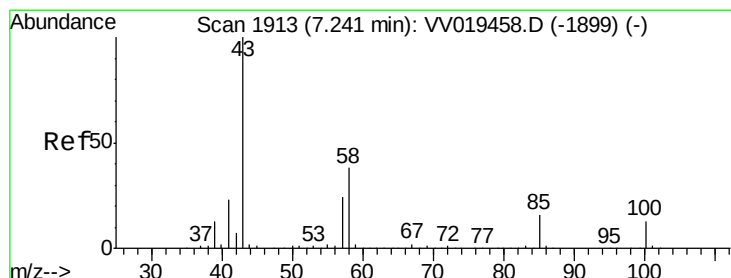
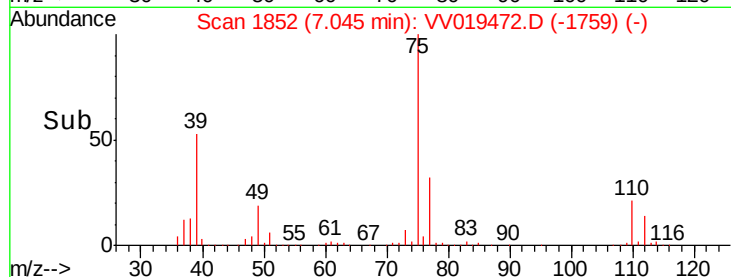
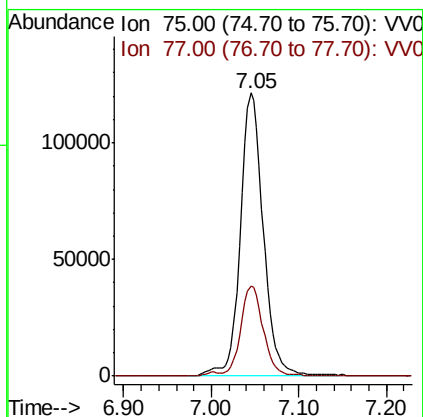
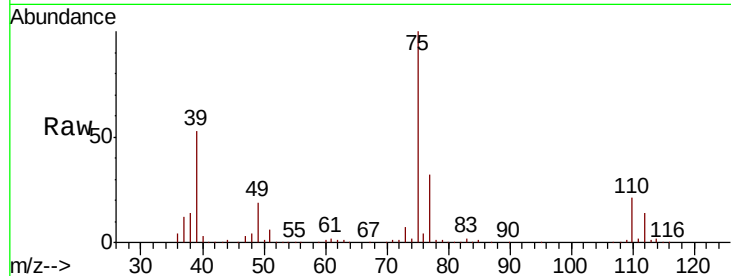




#39
 cis-1,3-Dichloropropene
 Concen: 59.100 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

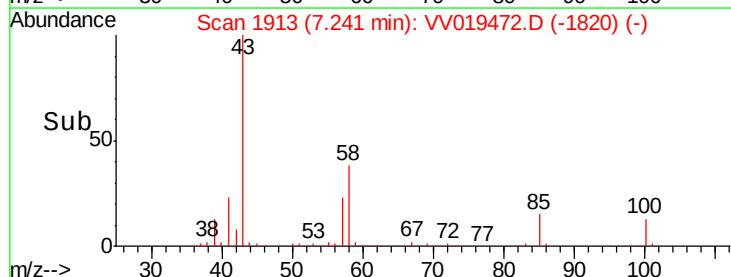
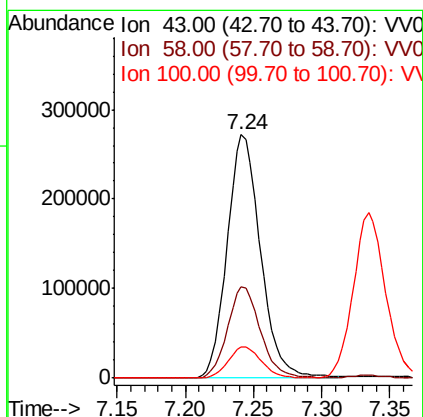
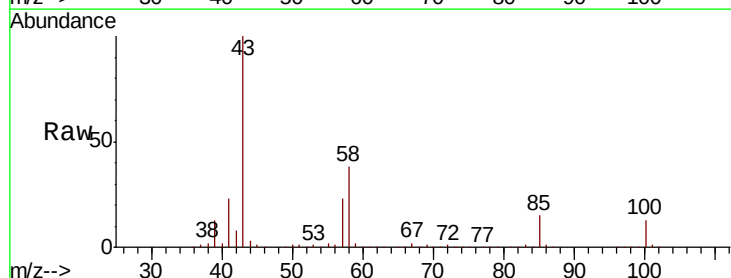
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

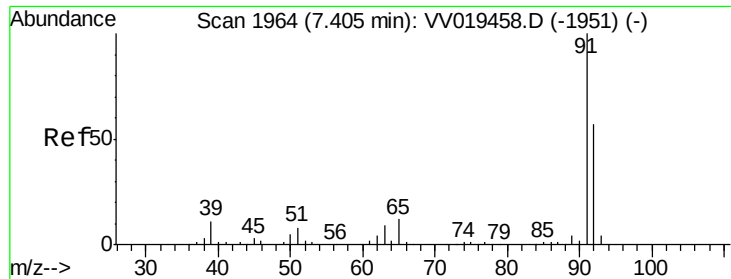
Tot Ion: 75 Resp: 222367
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 128.741 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion: 43 Resp: 462410
 Ion Ratio Lower Upper
 43 100
 58 37.1 31.0 46.4
 100 12.9 11.7 17.5





#42

Toluene

Concen: 56.480 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

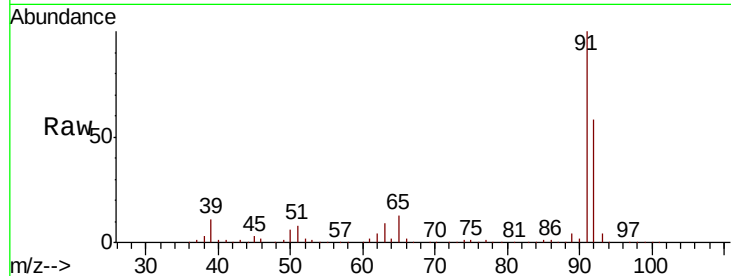
VSTD05076

Tot Ion: 91 Resp: 541074

Ion Ratio Lower Upper

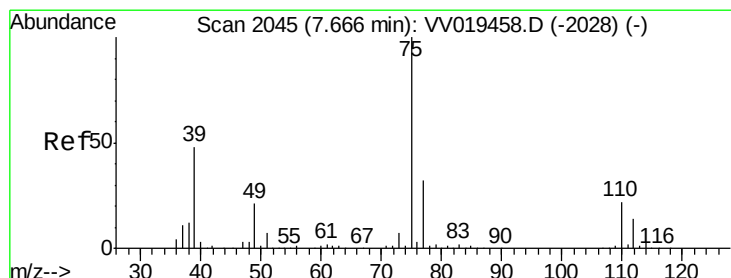
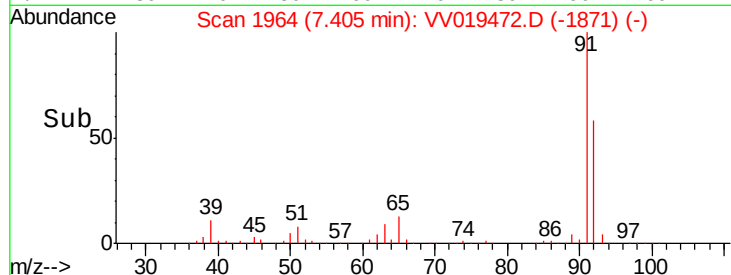
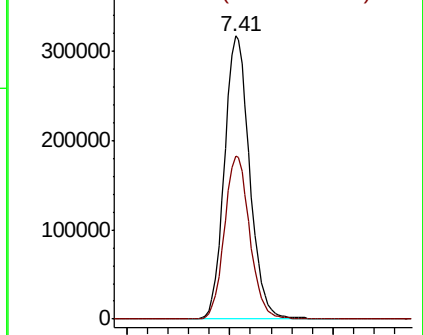
91 100

92 57.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV019472.D (-1871) (-)

Ion 92.00 (91.70 to 92.70): VV019472.D (-1871) (-)



#44

trans-1,3-Dichloropropene

Concen: 59.440 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019472.D

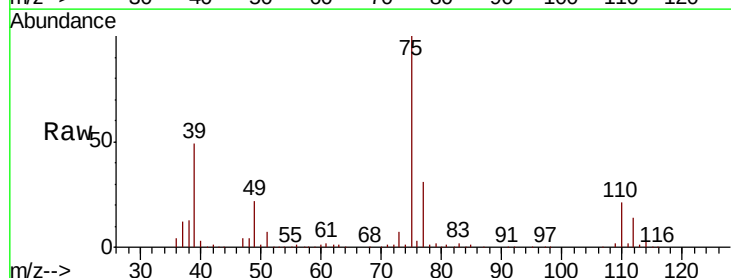
Acq: 03 Dec 2020 22:13

Tgt Ion: 75 Resp: 222769

Ion Ratio Lower Upper

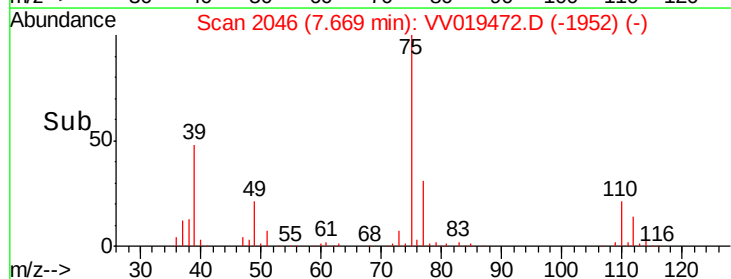
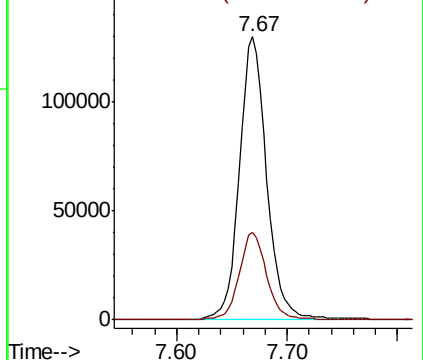
75 100

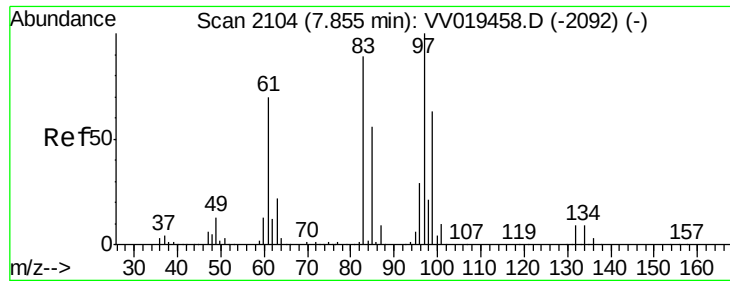
77 31.0 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV019472.D (-1952) (-)

Ion 77.00 (76.70 to 77.70): VV019472.D (-1952) (-)

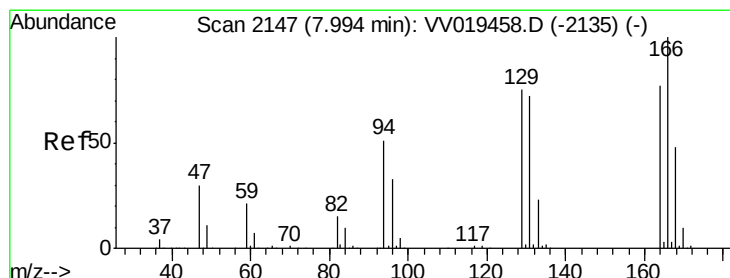
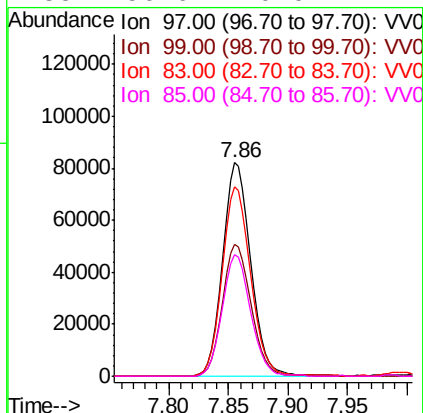
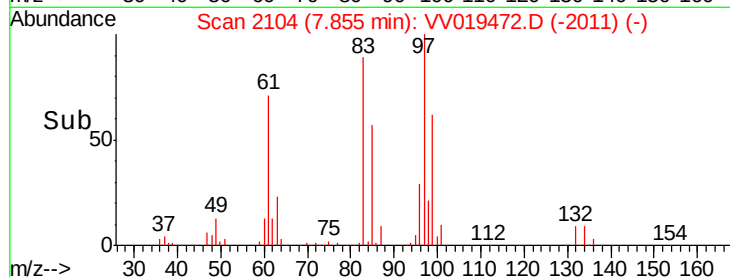
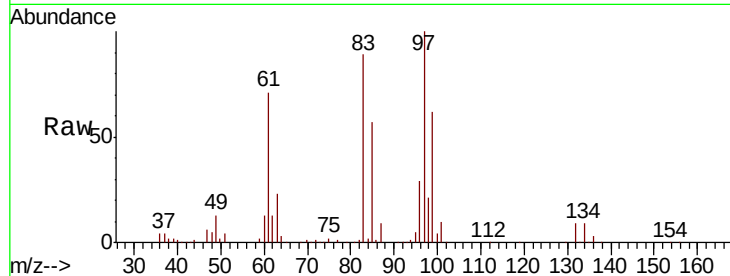




#45
 1,1,2-Trichloroethane
 Concen: 56.532 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

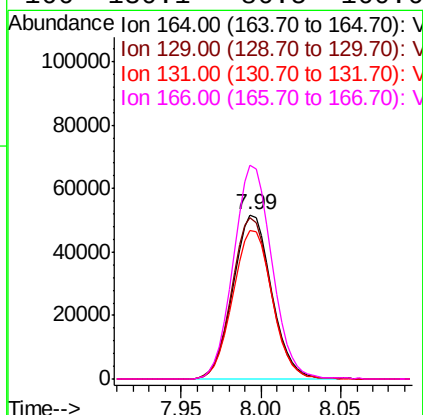
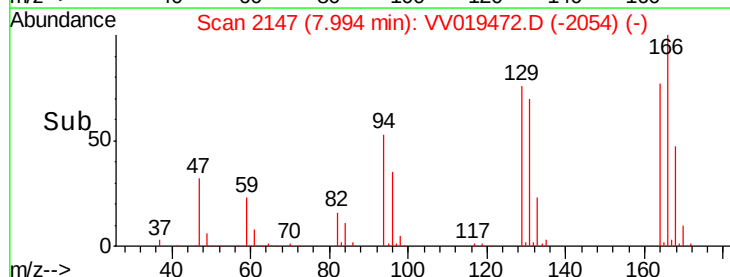
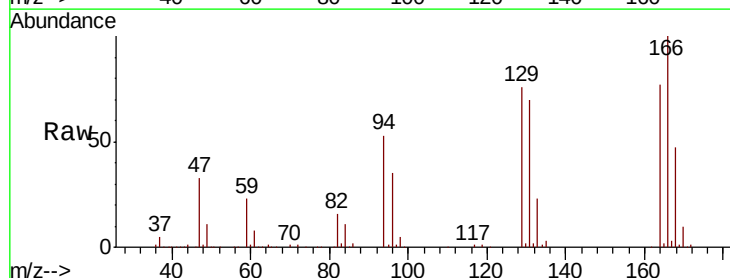
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

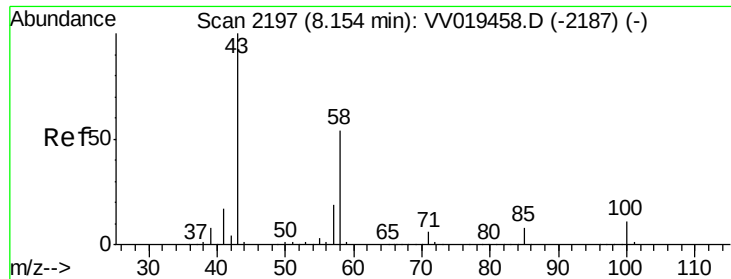
Tot Ion:	97	Resp:	134841
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	89.0	62.0	115.2
85	56.6	40.0	74.4



#46
 Tetrachloroethene
 Concen: 47.696 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion:	164	Resp:	85309
Ion	Ratio	Lower	Upper
164	100		
129	98.3	62.9	116.7
131	90.8	61.1	113.5
166	130.1	86.5	160.6

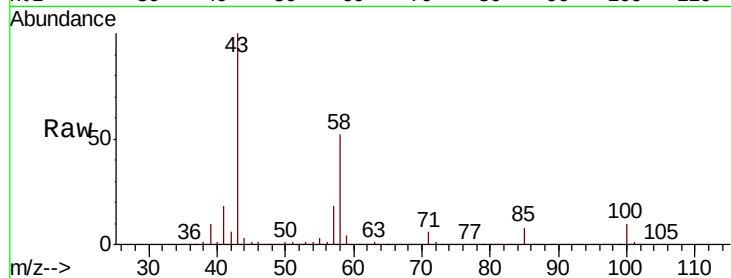




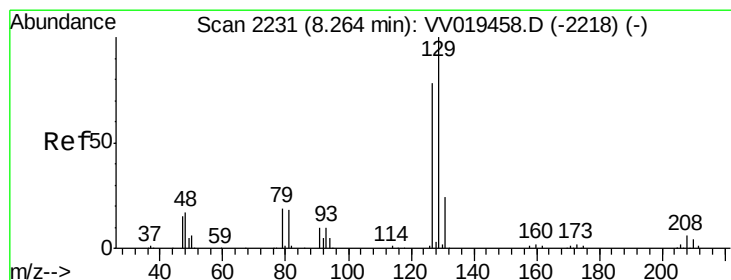
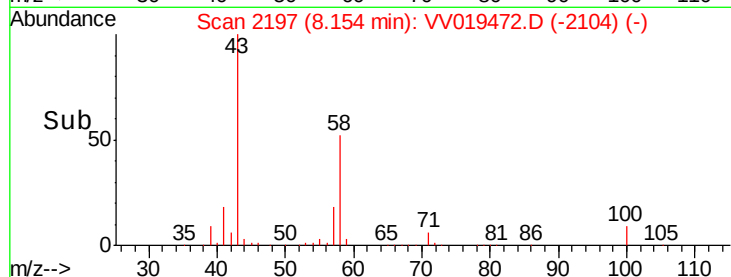
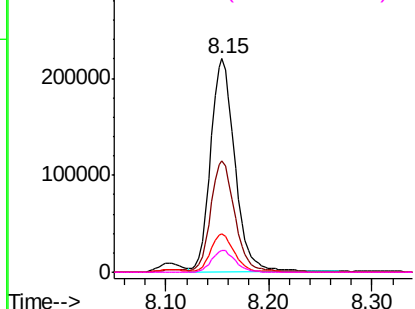
#48
2-Hexanone
Concen: 126.129 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 43 Resp: 358808
Ion Ratio Lower Upper
43 100
58 52.4 43.8 65.6
57 17.0 15.4 23.2
100 10.1 9.0 13.6

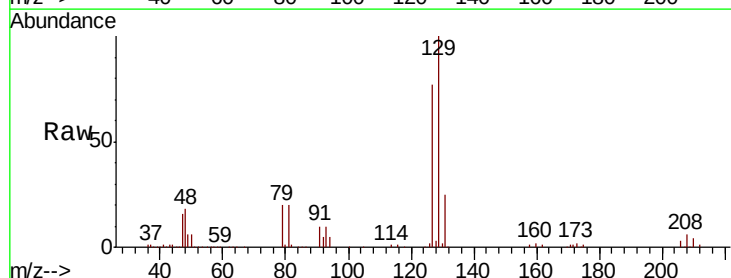


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

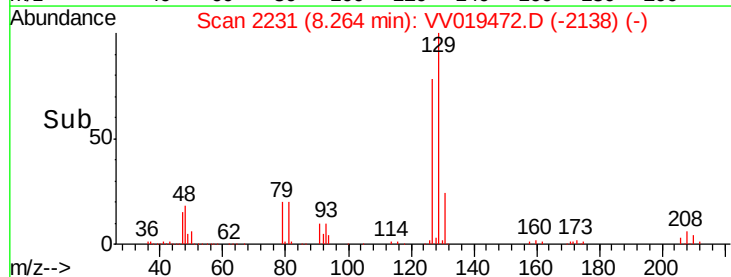
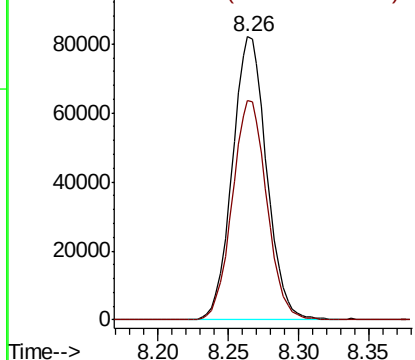


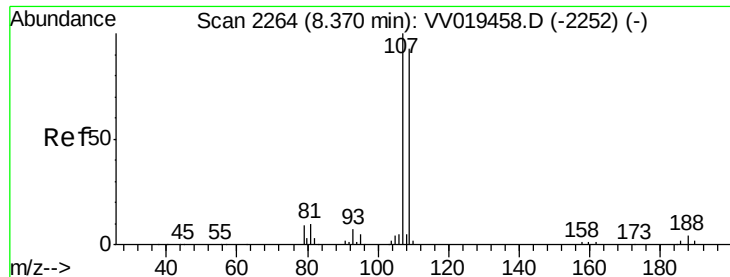
#49
Dibromochloromethane
Concen: 53.000 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Tgt Ion: 129 Resp: 139717
Ion Ratio Lower Upper
129 100
127 77.4 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

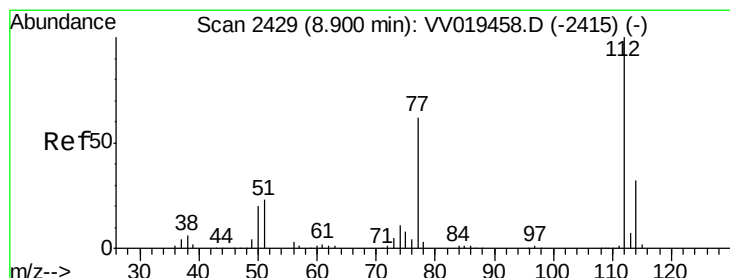
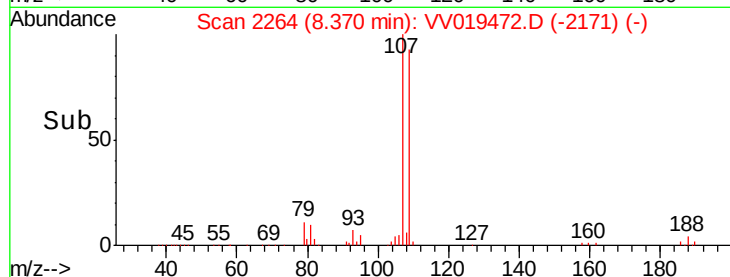
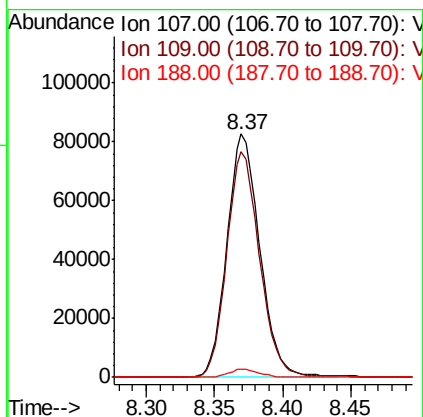
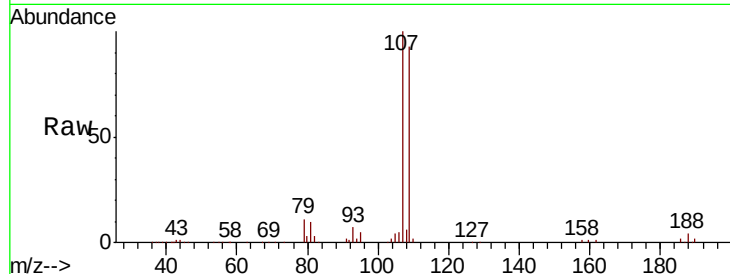




#50
 1,2-Dibromoethane
 Concen: 54.709 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

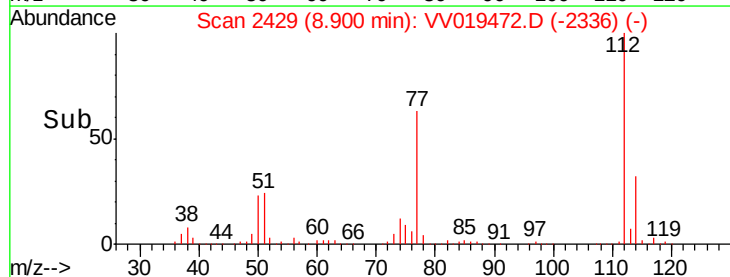
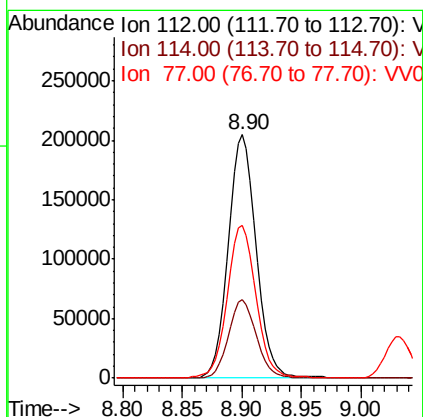
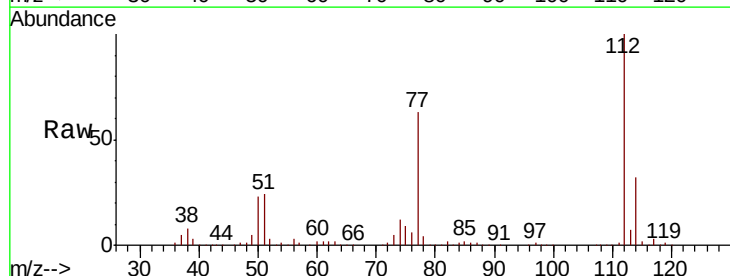
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

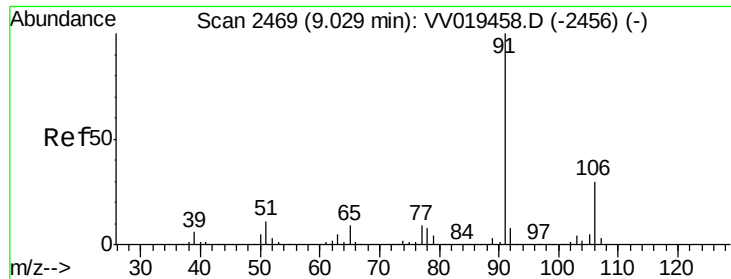
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	66.1	122.8
188	3.5	3.0	4.4



#51
 Chlorobenzene
 Concen: 52.645 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	62.8	50.3	75.5

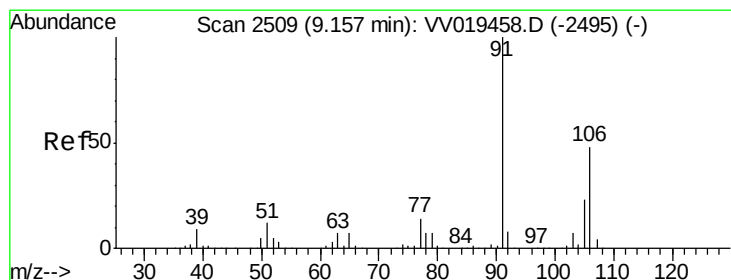
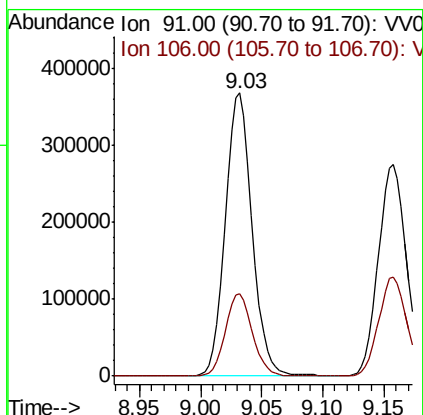
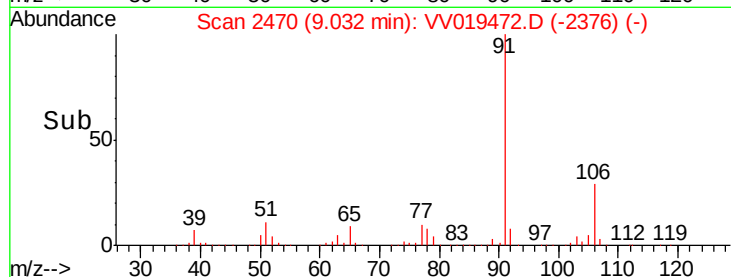
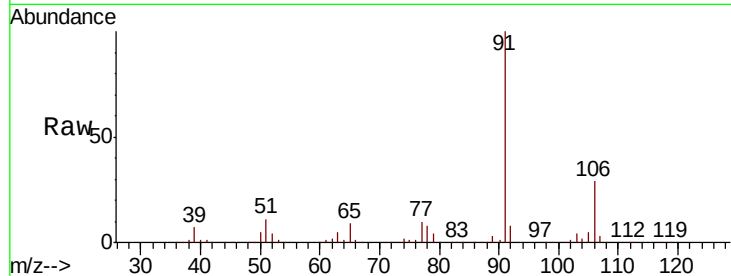




#52
Ethylbenzene
Concen: 55.408 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

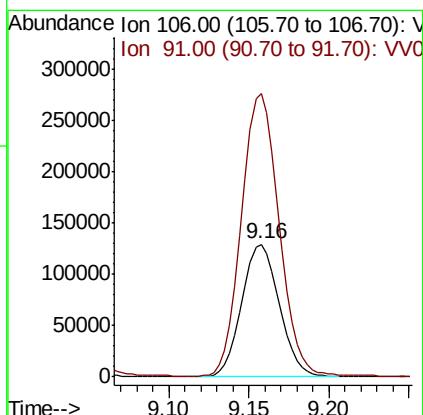
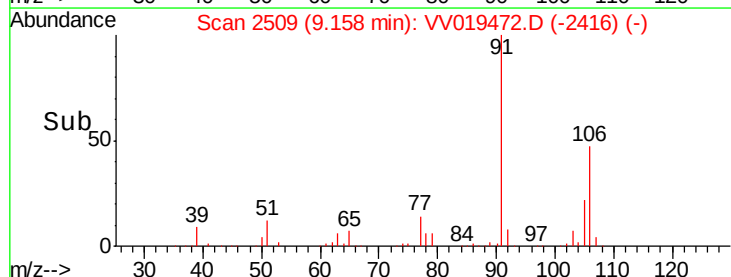
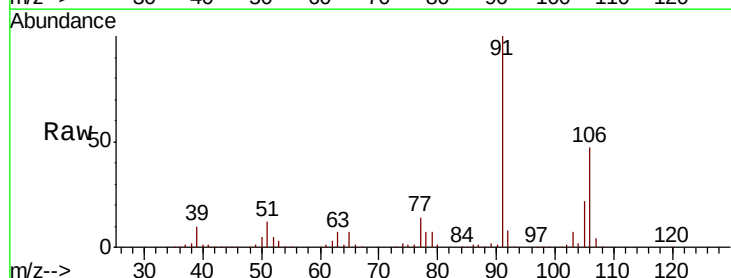
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

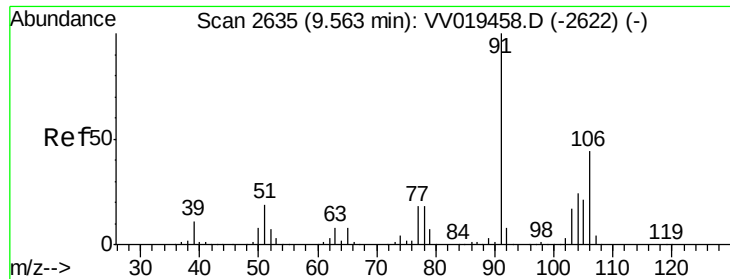
Tot Ion: 91 Resp: 569636
Ion Ratio Lower Upper
91 100
106 29.3 21.4 39.8



#53
m,p-Xylene
Concen: 54.304 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV019472.D
Acq: 03 Dec 2020 22:13

Tgt Ion: 106 Resp: 206565
Ion Ratio Lower Upper
106 100
91 213.1 148.7 276.3





#54

o-xylene

Concen: 54.684 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

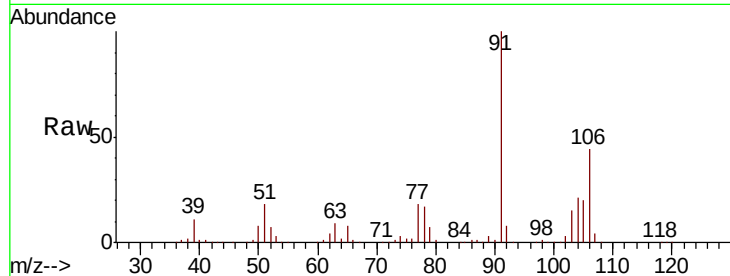
VSTD05076

Tot Ion:106 Resp: 202538

Ion Ratio Lower Upper

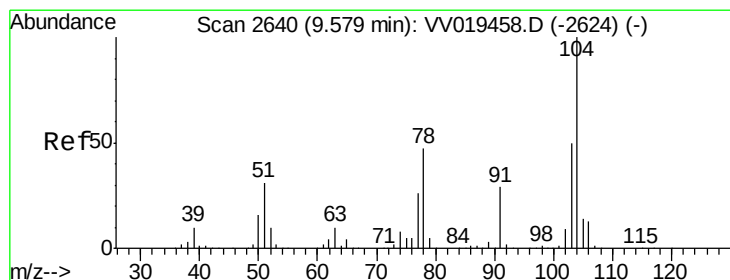
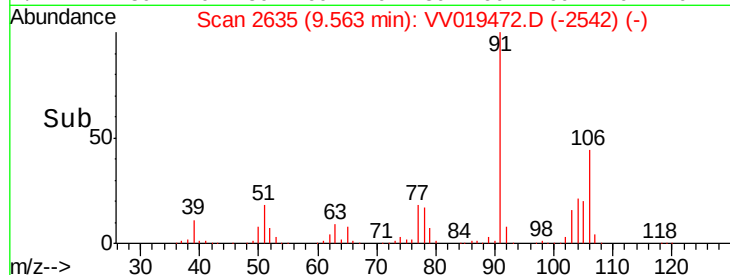
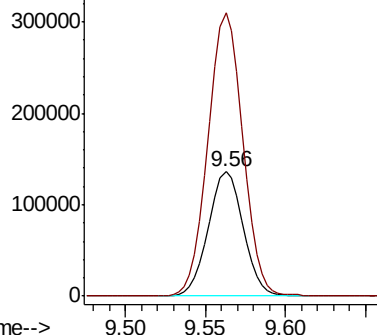
106 100

91 227.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.756 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019472.D

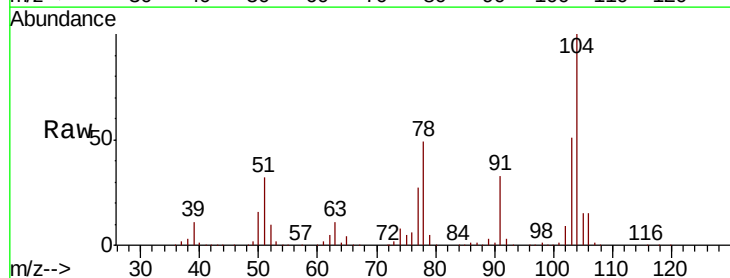
Acq: 03 Dec 2020 22:13

Tgt Ion:104 Resp: 376303

Ion Ratio Lower Upper

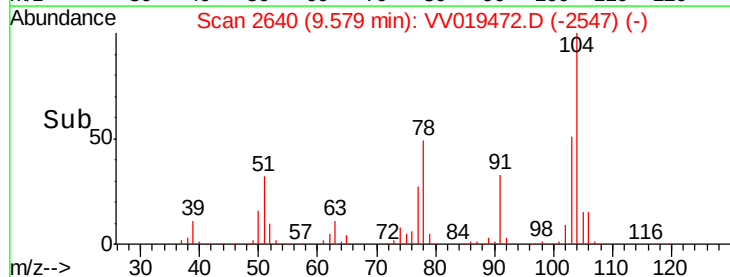
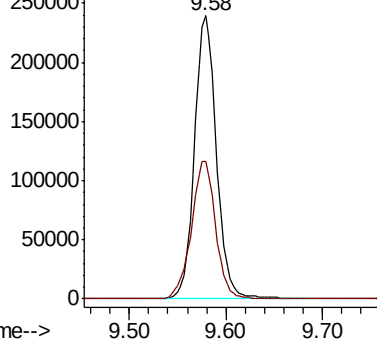
104 100

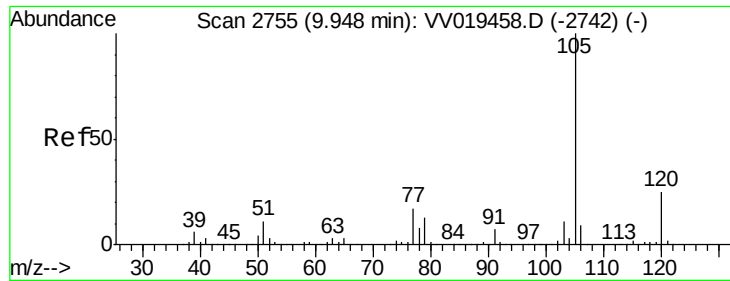
78 48.6 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.065 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

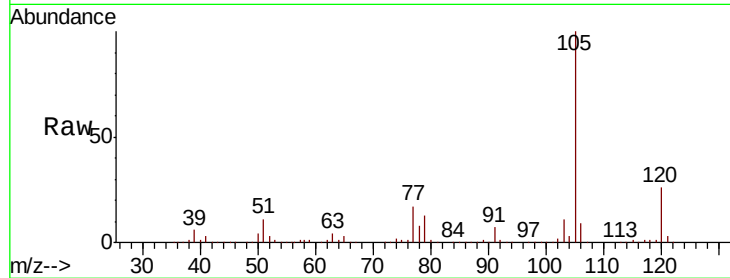
Tot Ion:105 Resp: 524629

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

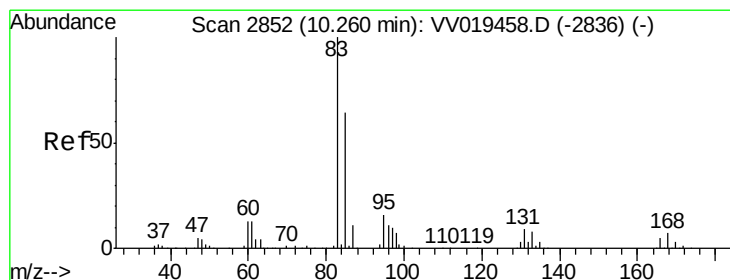
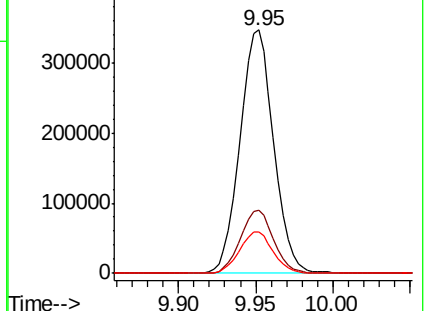
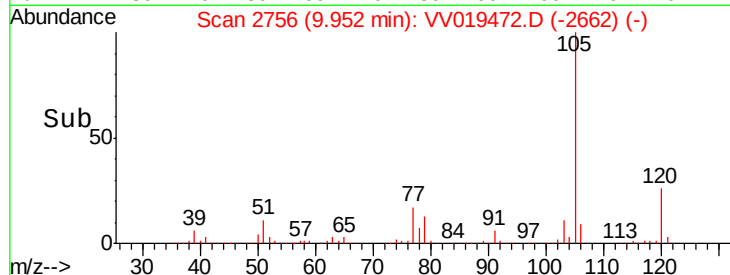
77 17.0 13.1 19.7



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: 58.638 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

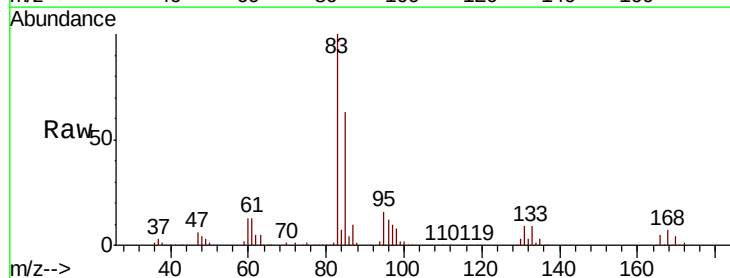
Tgt Ion: 83 Resp: 213786

Ion Ratio Lower Upper

83 100

85 63.4 44.8 83.2

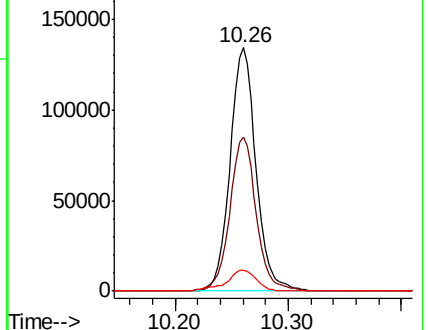
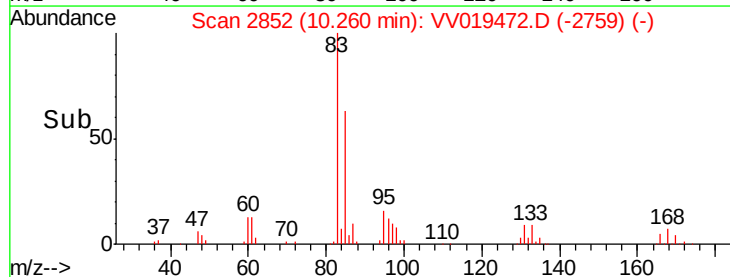
131 8.6 7.2 10.8

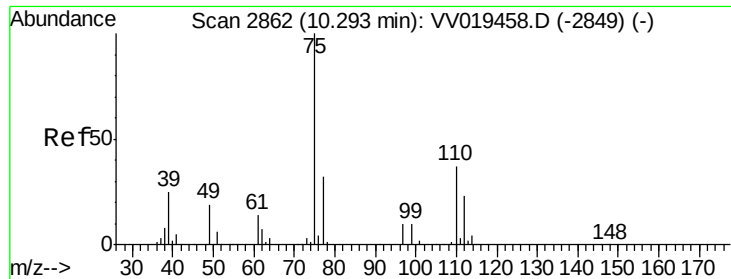


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 56.900 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

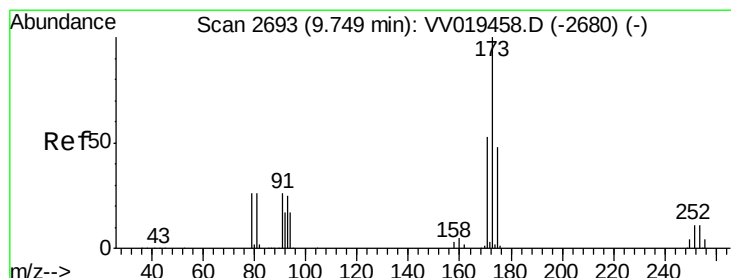
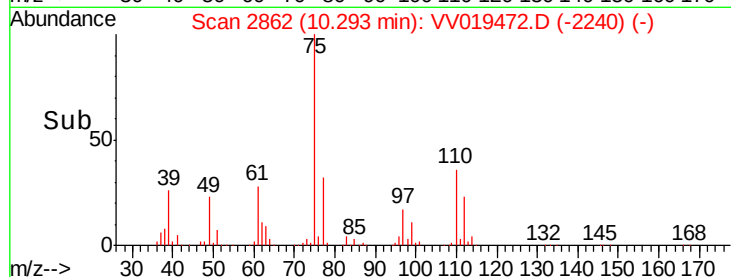
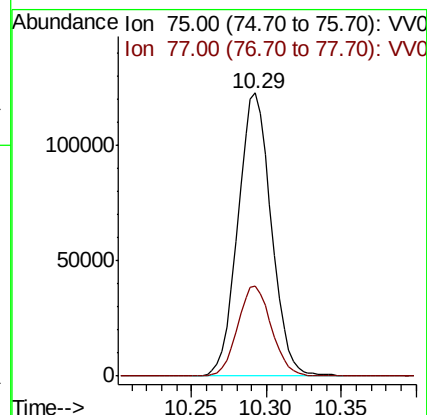
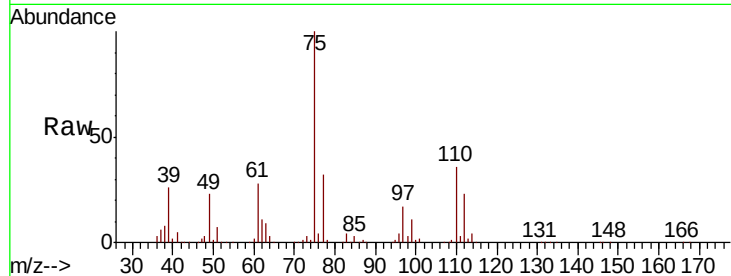
VSTD05076

Tot Ion: 75 Resp: 190386

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



#61

Bromoform

Concen: 52.580 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

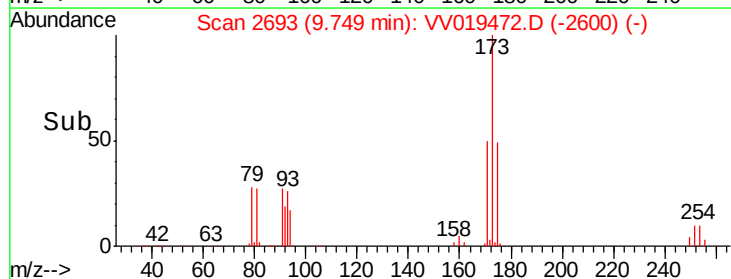
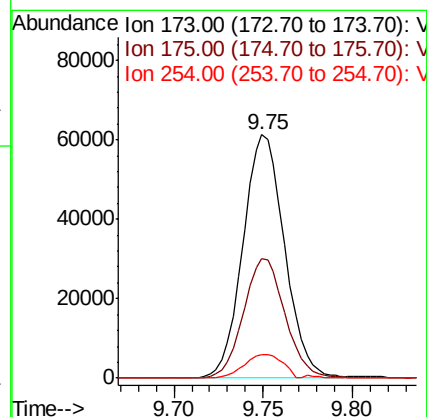
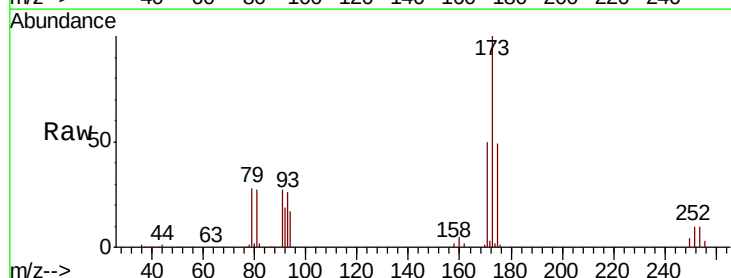
Tgt Ion: 173 Resp: 99884

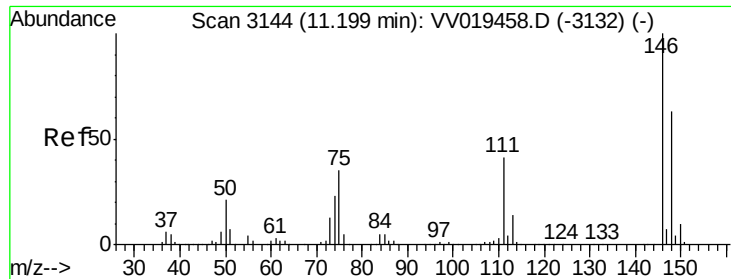
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 9.1 8.6 13.0

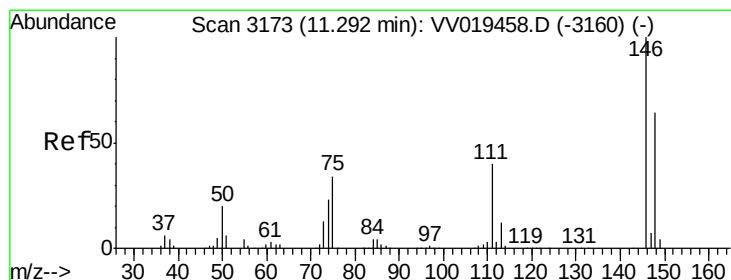
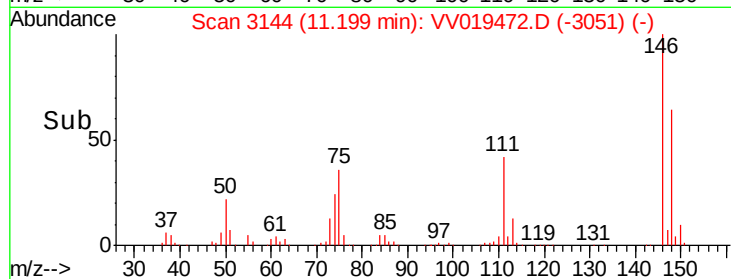
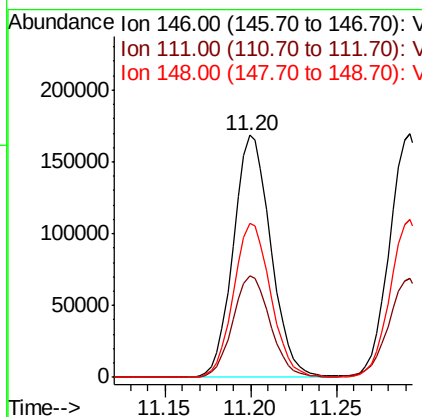
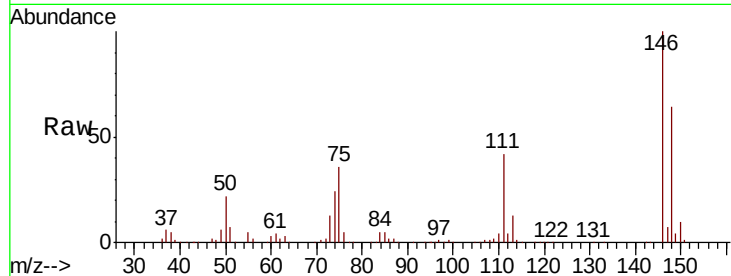




#62
 1,3-Dichlorobenzene
 Concen: 53.009 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

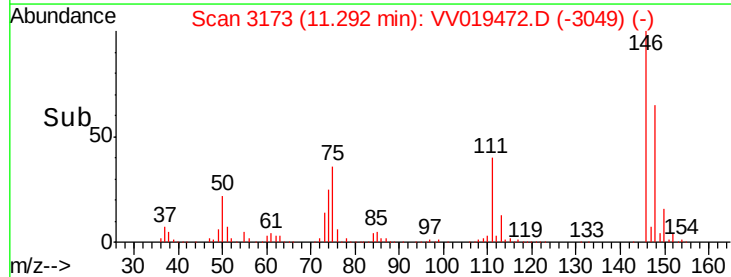
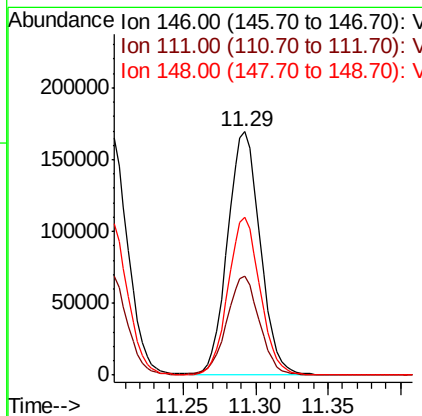
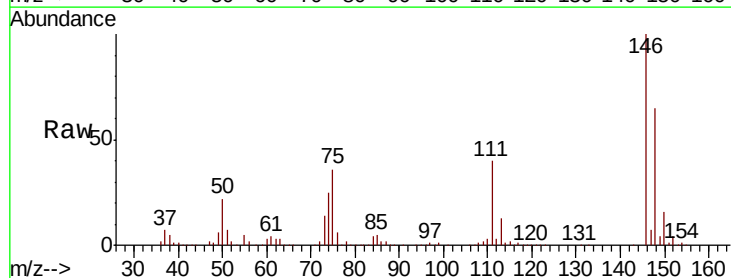
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

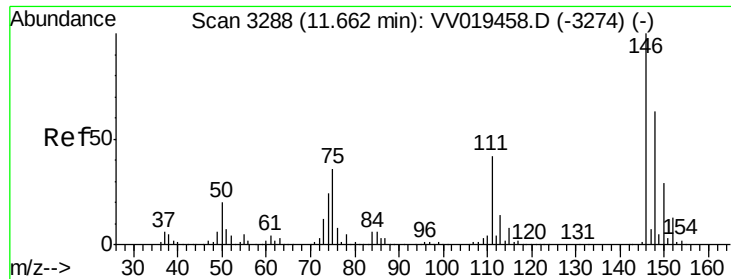
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	27.9	51.7
148	63.8	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 52.088 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.7	49.7
148	64.6	45.2	84.0

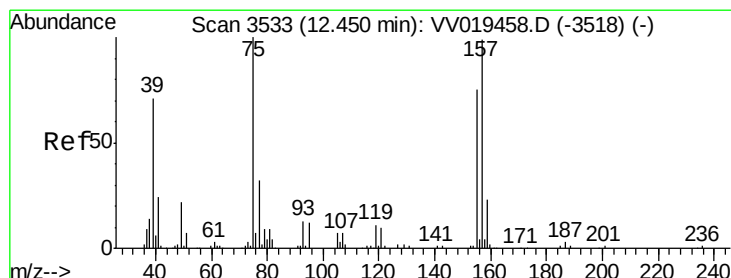
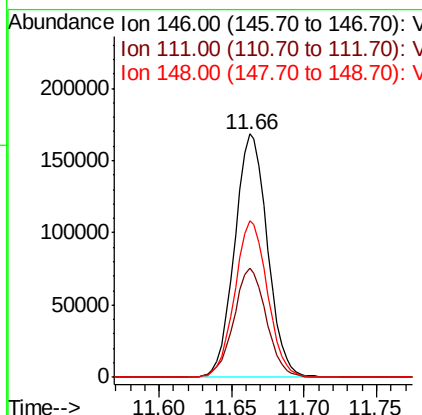
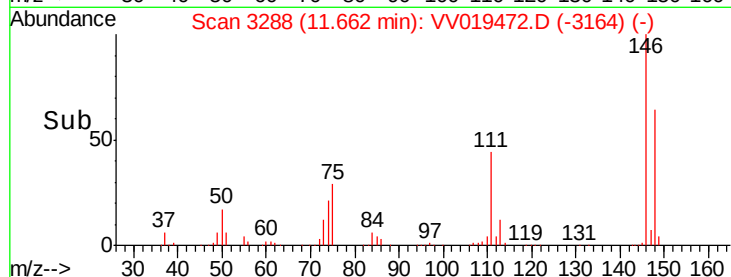
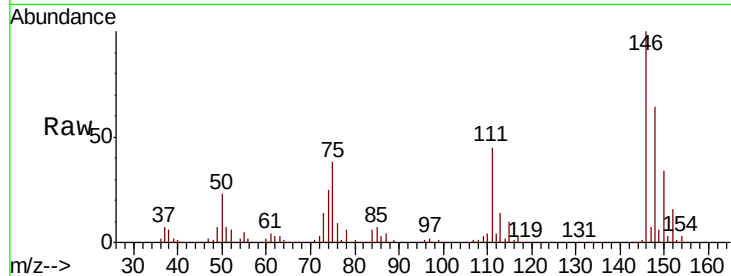




#65
 1,2-Dichlorobenzene
 Concen: 53.337 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

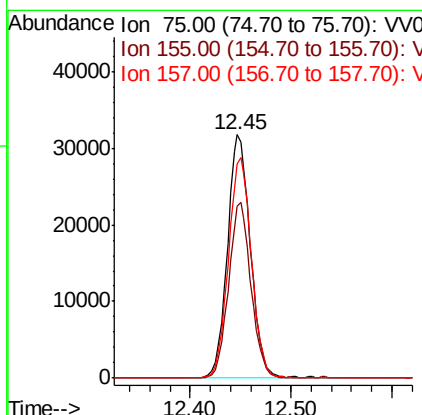
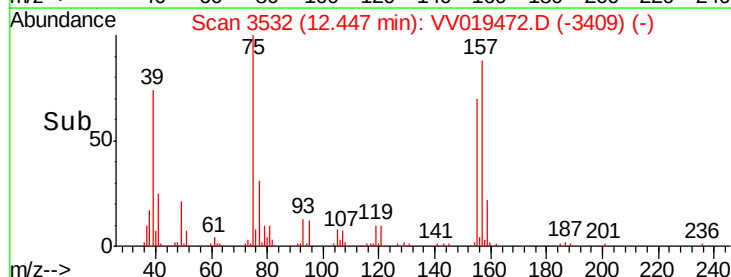
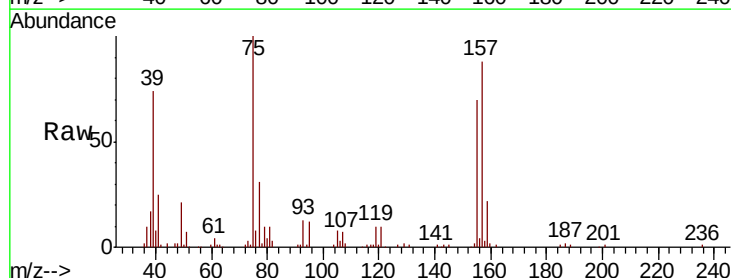
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

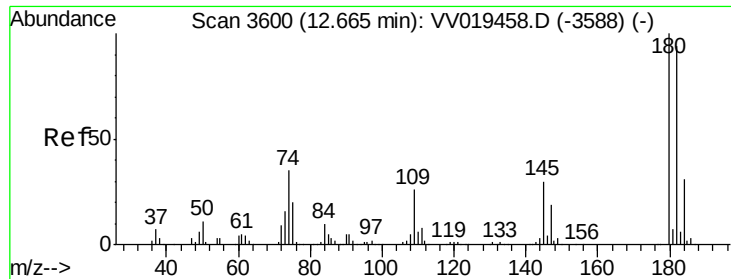
Tot Ion:146 Resp: 264713
 Ion Ratio Lower Upper
 146 100
 111 44.8 33.8 50.8
 148 64.1 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.709 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion: 75 Resp: 50419
 Ion Ratio Lower Upper
 75 100
 155 70.4 64.5 96.7
 157 88.1 84.2 126.2

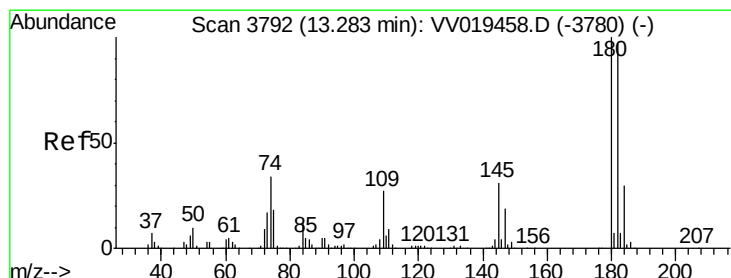
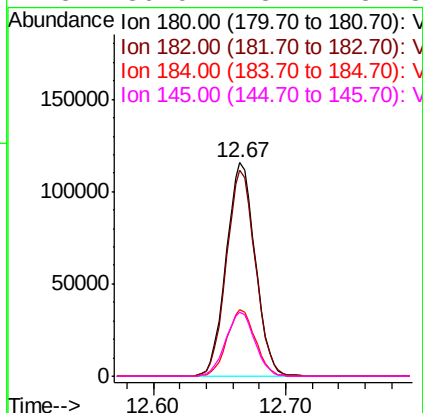
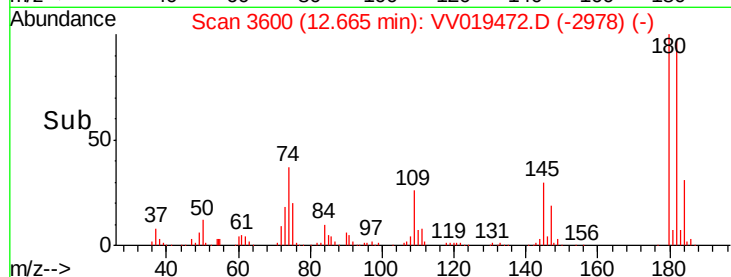
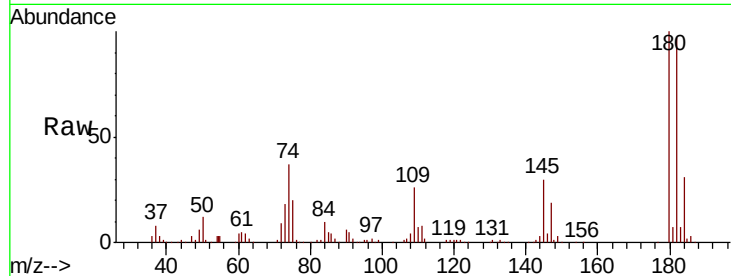




#67
 1,3,5-Trichlorobenzene
 Concen: 49.964 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

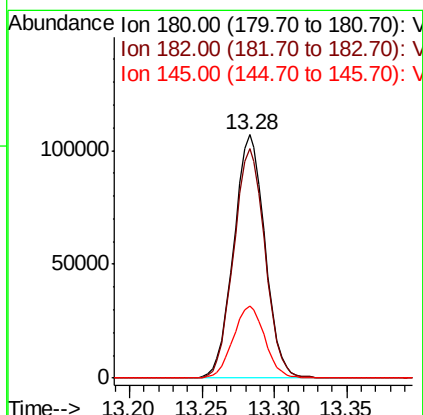
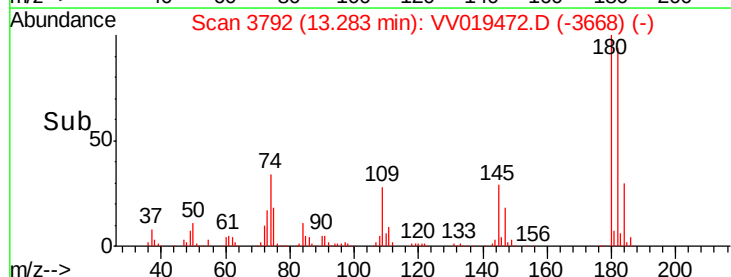
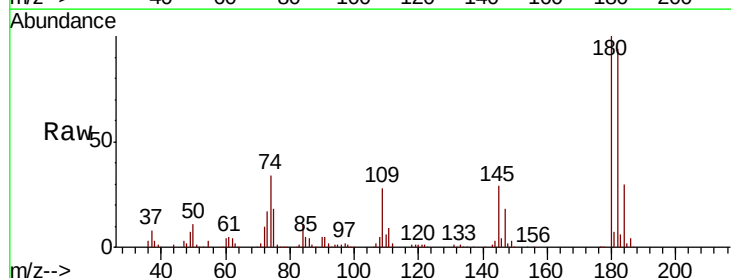
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

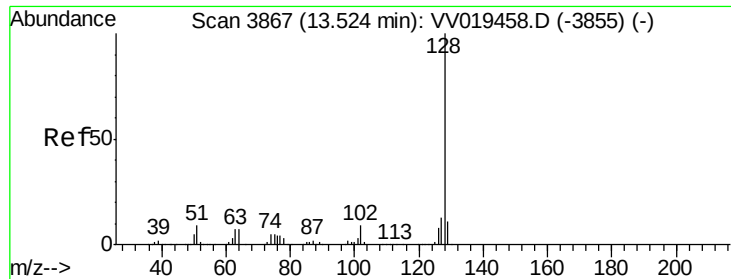
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	30.6	24.2	36.2
145	30.0	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 51.420 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019472.D
 Acq: 03 Dec 2020 22:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
145	30.0	23.4	35.2





#69

Naphthalene

Concen: 56.354 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

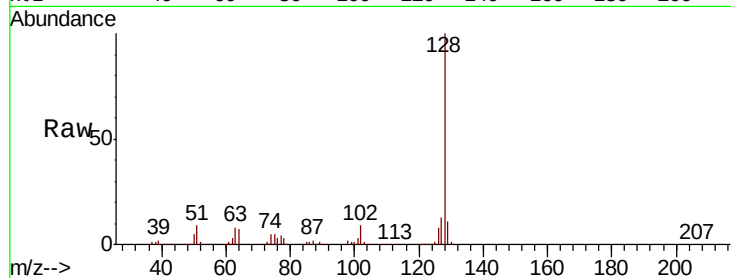
Tot Ion:128 Resp: 446446

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

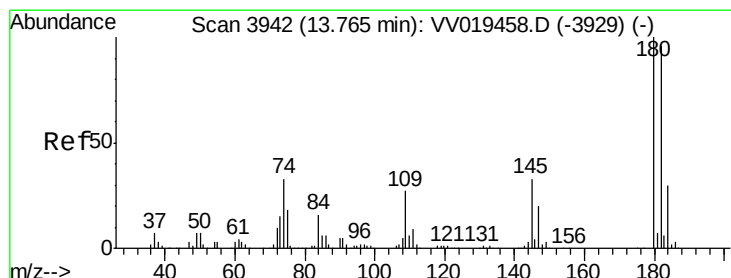
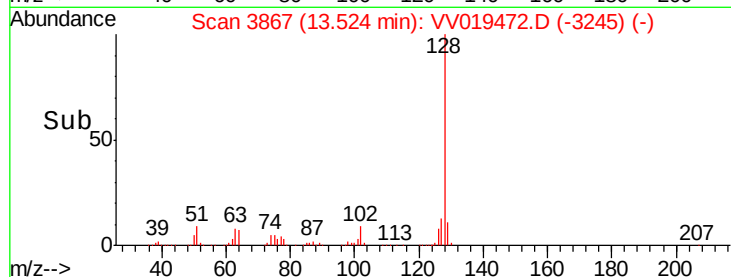
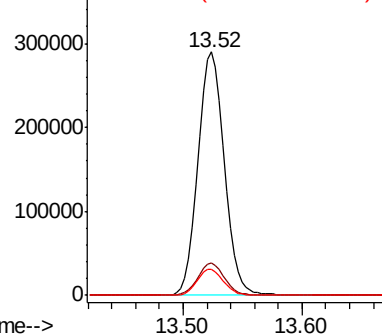
129 10.8 8.6 13.0



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: 52.792 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019472.D

Acq: 03 Dec 2020 22:13

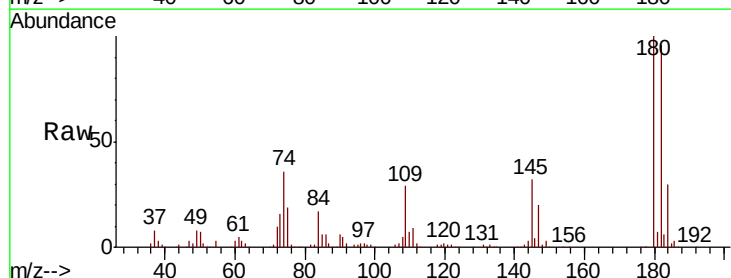
Tgt Ion:180 Resp: 171913

Ion Ratio Lower Upper

180 100

182 94.9 76.6 115.0

145 32.0 25.0 37.6



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

