

Data File : VV014528.D
Acq On : 06 Feb 2020 20:32
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.0g/10.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Quant Time: Feb 07 03:52:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 03:49:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	318981	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	300678	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151248	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72681	23.62	ug/L	0.00
Spiked Amount	25.000	Range	65 - 131	Recovery	=	94.48%
7) Chloroethane-d5	1.58	69	53296	24.85	ug/L	0.00
Spiked Amount	25.000	Range	71 - 131	Recovery	=	99.40%
10) 1,1-Dichloroethene-d2	2.13	63	117029	24.18	ug/L	0.00
Spiked Amount	25.000	Range	55 - 104	Recovery	=	96.72%
20) 2-Butanone-d5	3.93	46	78217	55.19	ug/L	0.00
Spiked Amount	50.000	Range	49 - 155	Recovery	=	110.38%
24) Chloroform-d	4.40	84	172267	23.73	ug/L	0.00
Spiked Amount	25.000	Range	78 - 121	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	5.08	65	113080	25.66	ug/L	0.00
Spiked Amount	25.000	Range	78 - 129	Recovery	=	102.64%
29) Benzene-d6	5.10	84	408188	25.56	ug/L	0.00
Spiked Amount	25.000	Range	77 - 124	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	6.11	67	126020	25.90	ug/L	0.00
Spiked Amount	25.000	Range	79 - 124	Recovery	=	103.60%
37) Toluene-d8	7.35	98	381186	25.59	ug/L	0.00
Spiked Amount	25.000	Range	77 - 121	Recovery	=	102.36%
38) trans-1,3-Dichloropropene-	7.66	79	61985	25.75	ug/L	0.00
Spiked Amount	25.000	Range	73 - 121	Recovery	=	103.00%
39) 2-Hexanone-d5	8.13	63	65412	57.14	ug/L	0.00
Spiked Amount	50.000	Range	28 - 135	Recovery	=	114.28%
48) 1,1,2,2-Tetrachloroethane-	10.25	84	120627	26.52	ug/L	0.00
Spiked Amount	25.000	Range	73 - 125	Recovery	=	106.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	140893	25.22	ug/L	0.00
Spiked Amount	25.000	Range	80 - 131	Recovery	=	100.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	131421	23.500	ug/L 100
3) Chloromethane	1.25	50	90691	18.676	ug/L 100
5) Vinyl chloride	1.32	62	82742	21.651	ug/L 99
6) Bromomethane	1.53	94	41732	21.702	ug/L 96
8) Chloroethane	1.60	64	43346	23.620	ug/L 96
9) Trichlorofluoromethane	1.77	101	129318	23.378	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	61622	22.677	ug/L 99
12) 1,1-Dichloroethene	2.14	96	54755	22.844	ug/L 99
13) Acetone	2.19	43	71245	48.277	ug/L 94
14) Carbon disulfide	2.32	76	315942	22.811	ug/L 100
15) Methyl Acetate	2.46	43	66218	25.861	ug/L 98
16) Methylene chloride	2.54	84	120402	21.176	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	297027	24.913	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	109691	23.635	ug/L 99
19) 1,1-Dichloroethane	3.23	63	189838	24.272	ug/L 99
21) 2-Butanone	4.02	43	90803	51.187	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	123844	24.558	ug/L 99

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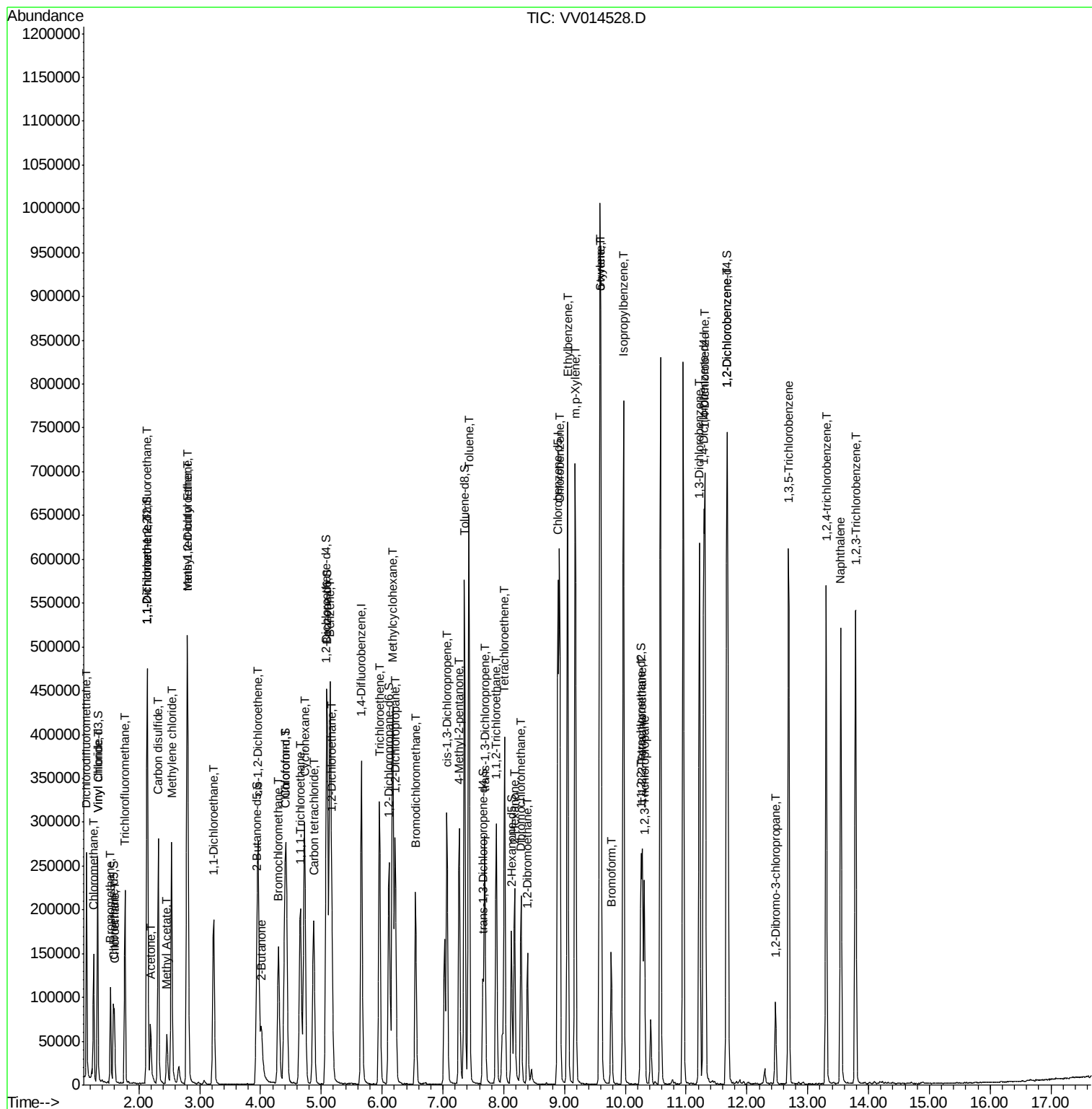
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	57531	24.828	ug/L	98
25) Chloroform	4.42	83	223132	25.819	ug/L	99
27) 1,2-Dichloroethane	5.18	62	135712	24.645	ug/L	98
30) Cyclohexane	4.72	56	171543	22.809	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	163613	24.441	ug/L	99
32) Carbon tetrachloride	4.87	117	142359	24.031	ug/L	99
34) Benzene	5.14	78	442748	25.136	ug/L	100
35) Trichloroethene	5.96	95	115461	24.426	ug/L	99
36) Methylcyclohexane	6.17	83	191428	23.514	ug/L	99
40) 1,2-Dichloropropane	6.22	63	111802	25.124	ug/L	100
41) Bromodichloromethane	6.55	83	147569	24.906	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	183930	24.855	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	183343	53.880	ug/L	100
44) Toluene	7.43	91	469574	24.672	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	155867	25.143	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	92690	25.183	ug/L	99
47) Tetrachloroethene	8.01	164	89390	24.592	ug/L	99
49) 2-Hexanone	8.18	43	137689	54.789	ug/L	98
50) Dibromochloromethane	8.29	129	111061	25.558	ug/L	97
51) 1,2-Dibromoethane	8.39	107	97182	25.766	ug/L	99
52) Chlorobenzene	8.92	112	312986	24.743	ug/L	100
53) Ethylbenzene	9.05	91	532259	24.920	ug/L	99
54) m,p-Xylene	9.18	106	203834	24.885	ug/L	99
55) o-xylene	9.58	106	197811	25.004	ug/L	96
56) Styrene	9.60	104	340683	25.300	ug/L	97
57) Isopropylbenzene	9.97	105	513296	24.627	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	125930	26.316	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	93918	26.063	ug/L	100
62) Bromoform	9.77	173	65027	25.519	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	247368	24.770	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	251785	24.857	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	231984	25.042	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	23088	26.537	ug/L	99
67) 1,3,5-Trichlorobenzene	12.68	180	183046	24.978	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	166262	25.773	ug/L	97
69) Naphthalene	13.54	128	402282	27.036	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	152462	25.927	ug/L	99

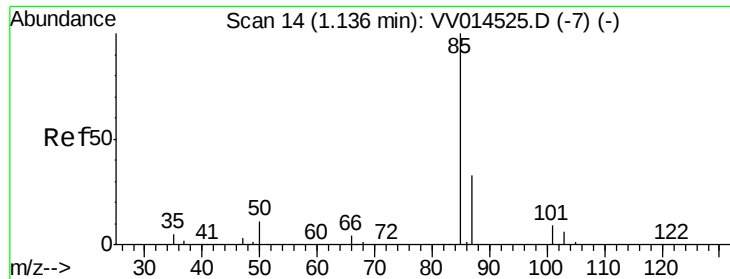
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.500 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

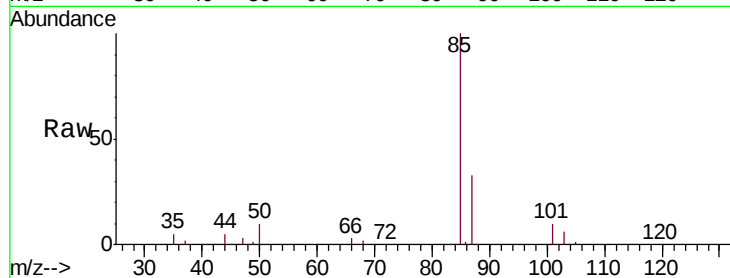
VICV66

Tgt Ion: 85 Resp: 131421

Ion Ratio Lower Upper

85 100

87 32.7 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

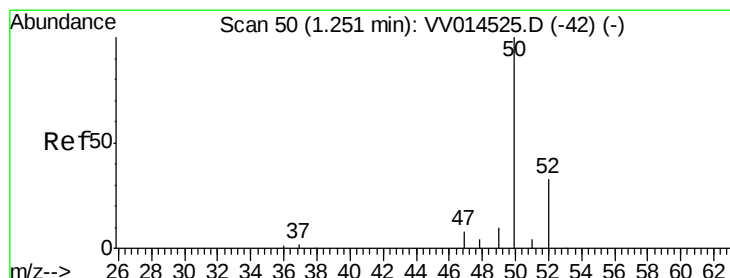
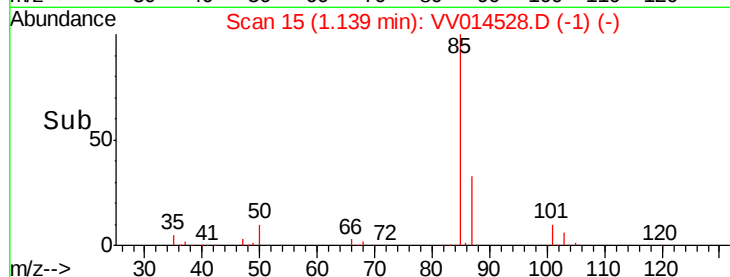
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 18.676 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014528.D

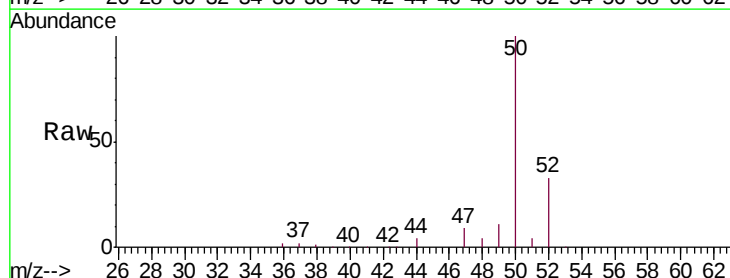
Acq: 06 Feb 2020 20:32

Tgt Ion: 50 Resp: 90691

Ion Ratio Lower Upper

50 100

52 32.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

100000

80000

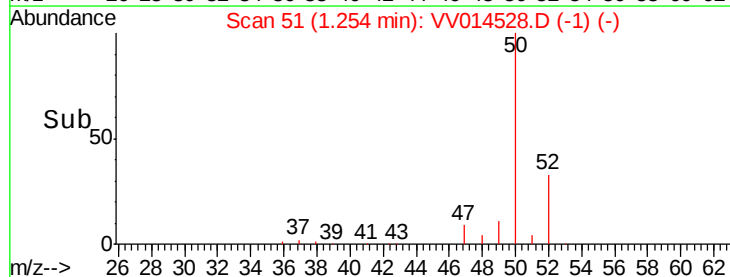
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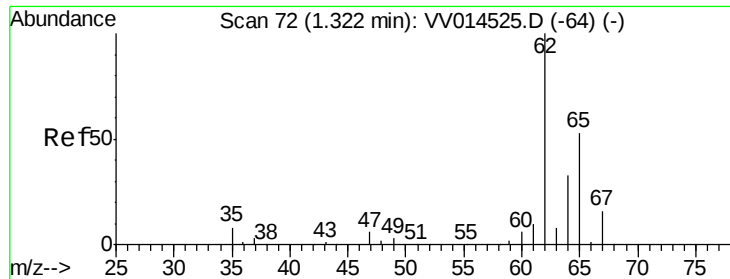
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 21.651 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

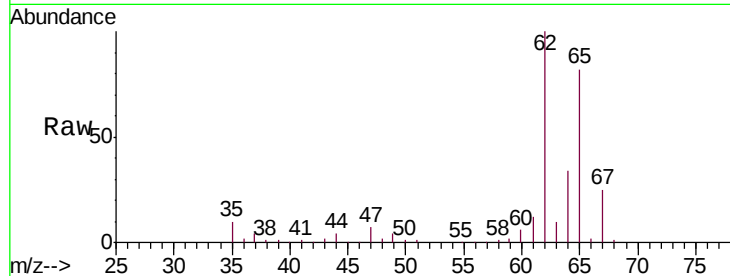
VICV66

Tgt Ion: 62 Resp: 82742

Ion Ratio Lower Upper

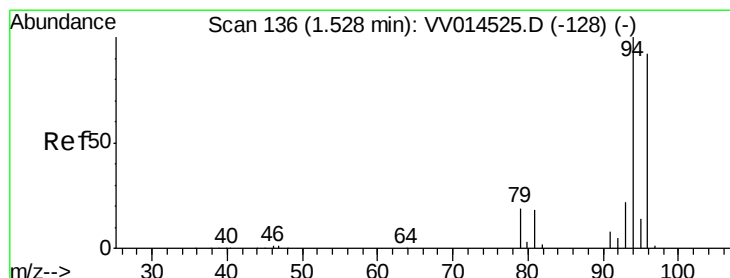
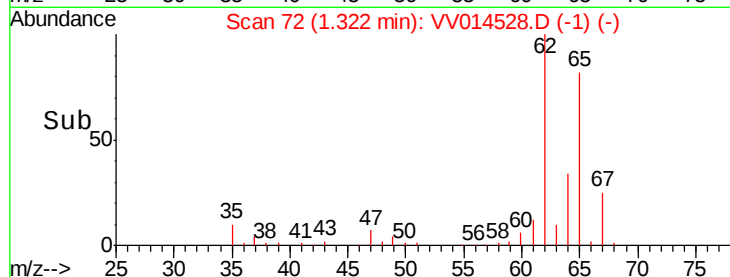
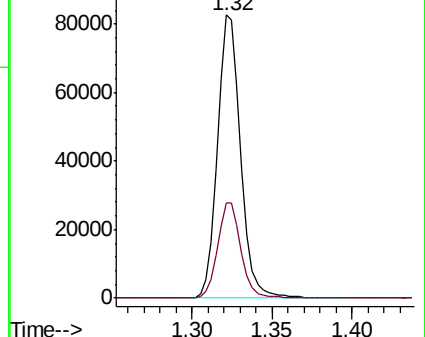
62 100

64 33.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV014525.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV014525.D (-64) (-)



#6

Bromomethane

Concen: 21.702 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.01 min

Lab File: VV014528.D

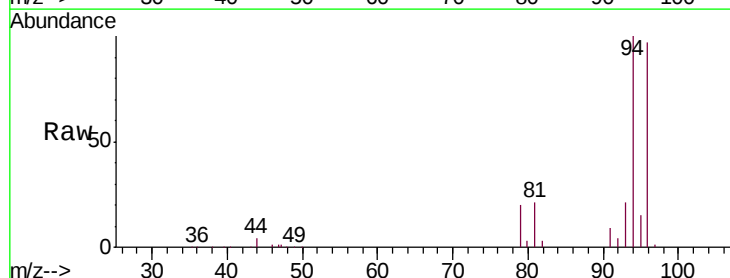
Acq: 06 Feb 2020 20:32

Tgt Ion: 94 Resp: 41732

Ion Ratio Lower Upper

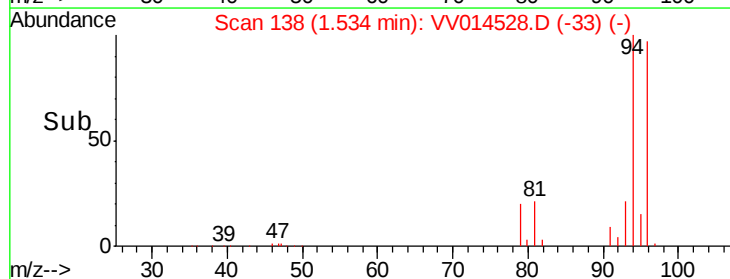
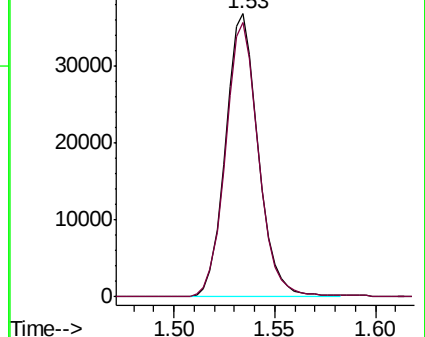
94 100

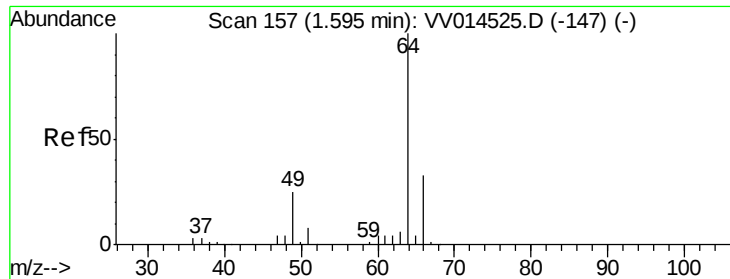
96 97.4 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VV014525.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV014525.D (-128) (-)





#8

Chloroethane

Concen: 23.620 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

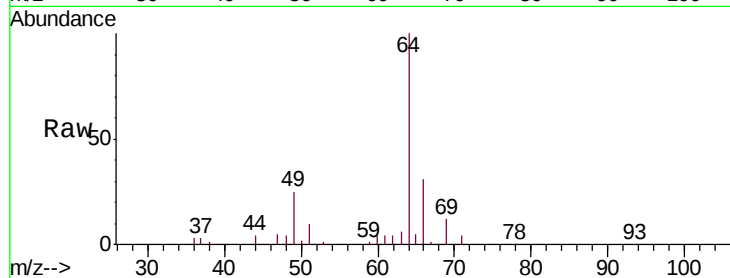
VICV66

Tgt Ion: 64 Resp: 43346

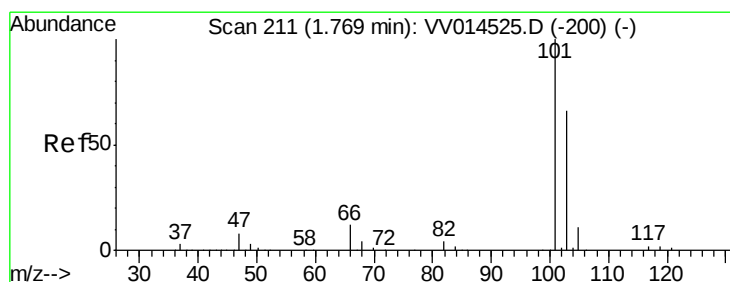
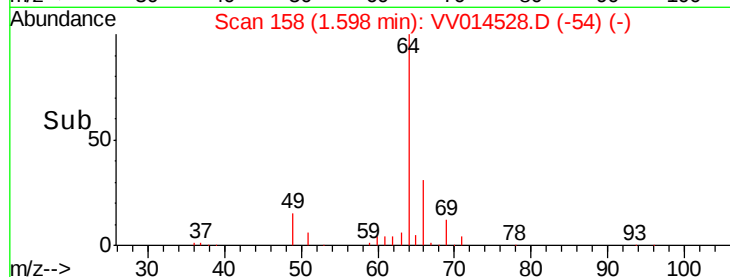
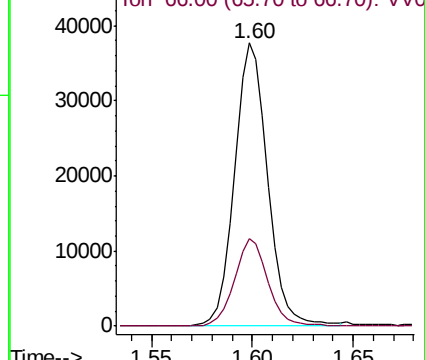
Ion Ratio Lower Upper

64 100

66 30.8 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV014525.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 23.378 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014528.D

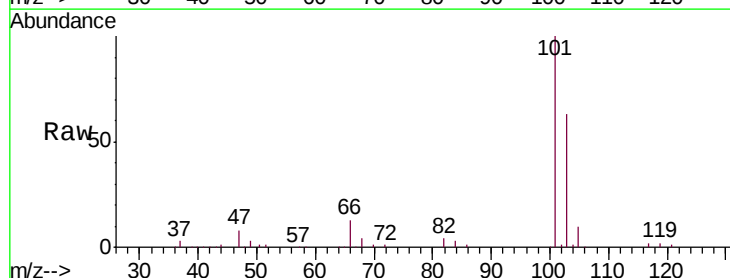
Acq: 06 Feb 2020 20:32

Tgt Ion: 101 Resp: 129318

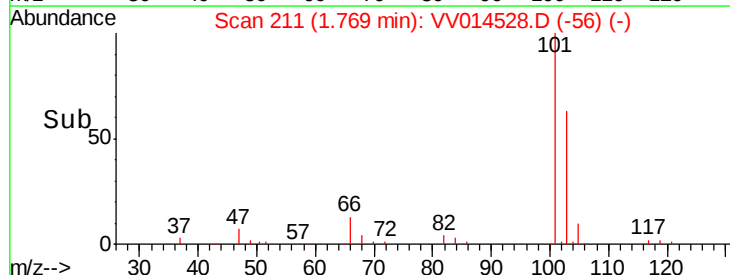
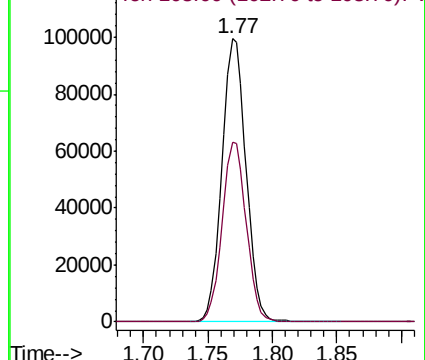
Ion Ratio Lower Upper

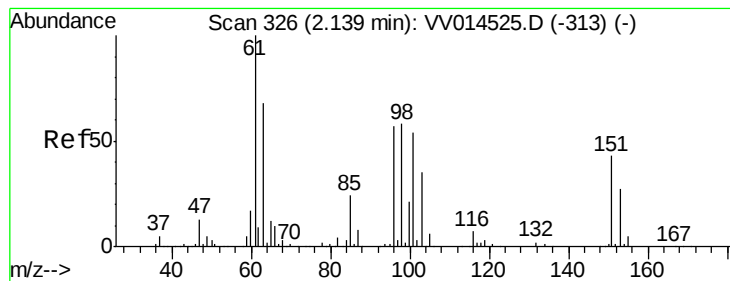
101 100

103 63.3 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): VV014525.D (-200) (-)





#11

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

Concen: 22.677 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampled :

VICV66

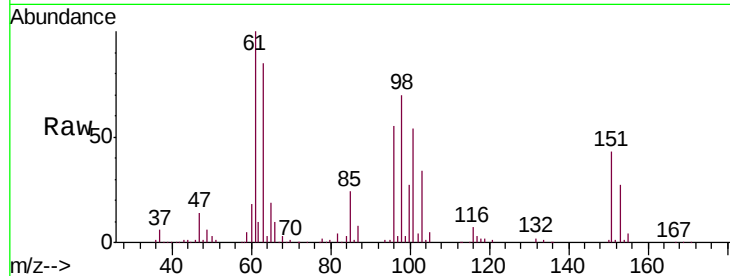
Tgt Ion: 101 Resp: 61622

Ion Ratio Lower Upper

101 100

85 44.3 34.8 52.2

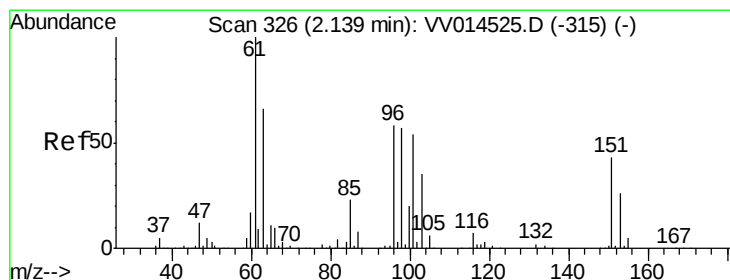
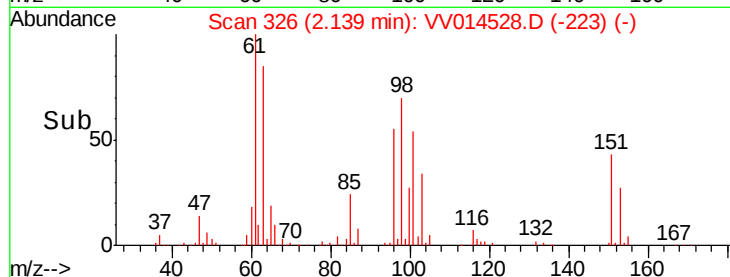
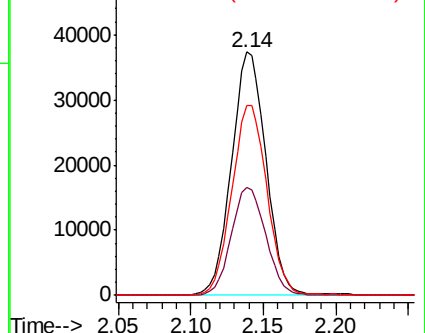
151 79.6 62.9 94.3



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: 22.844 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

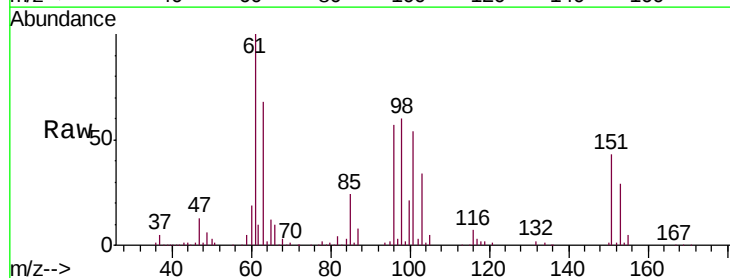
Tgt Ion: 96 Resp: 54755

Ion Ratio Lower Upper

96 100

61 176.8 121.9 226.5

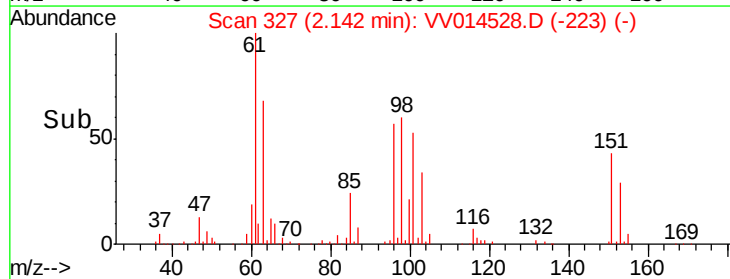
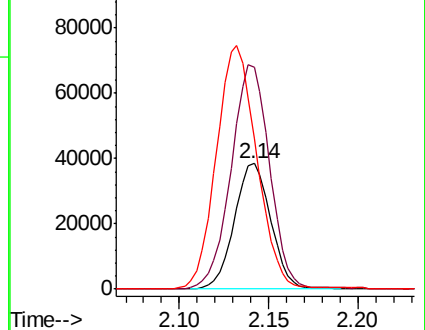
63 119.7 83.2 154.4

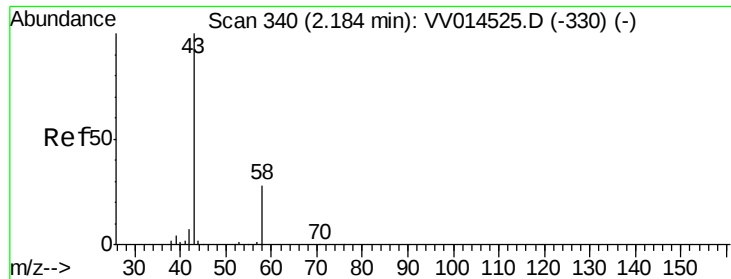


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.277 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

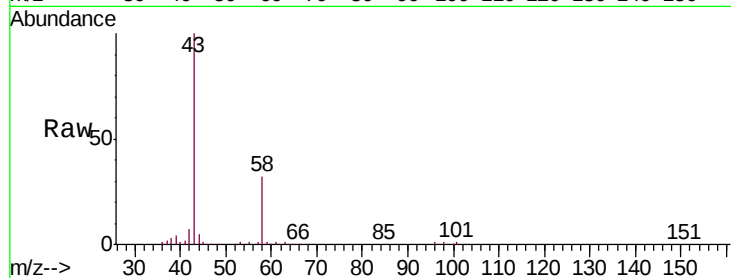
VICV66

Tgt Ion: 43 Resp: 71245

Ion Ratio Lower Upper

43 100

58 32.5 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014528.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014528.D (-330) (-)

40000

30000

20000

10000

0

2.19

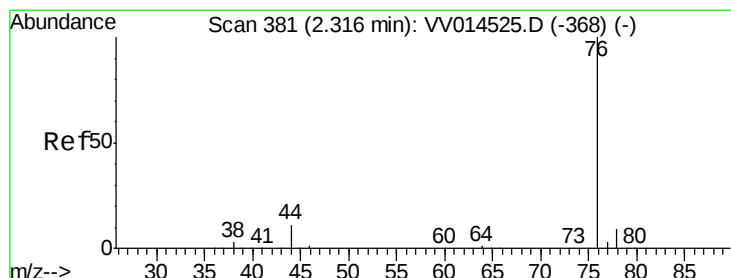
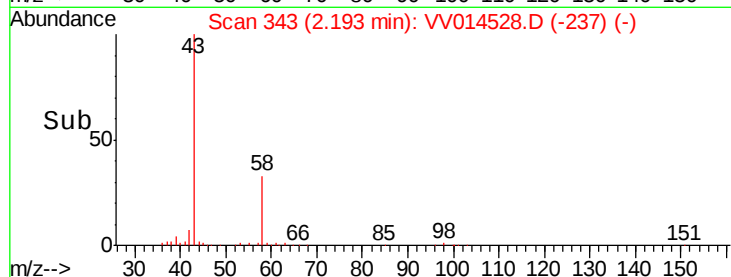
2.15

2.20

2.25

2.30

Time-->



#14

Carbon disulfide

Concen: 22.811 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014528.D

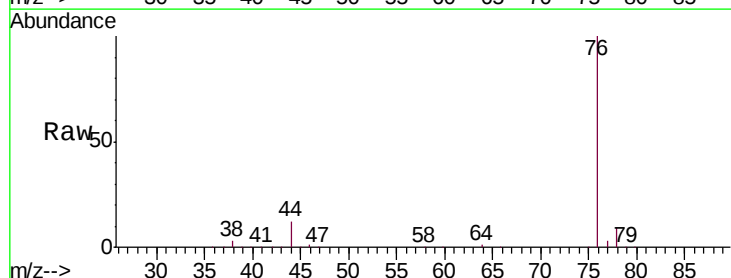
Acq: 06 Feb 2020 20:32

Tgt Ion: 76 Resp: 315942

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014528.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV014528.D (-368) (-)

250000

200000

150000

100000

50000

0

2.32

2.25

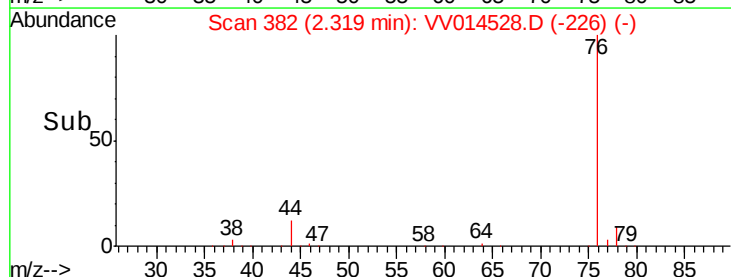
2.30

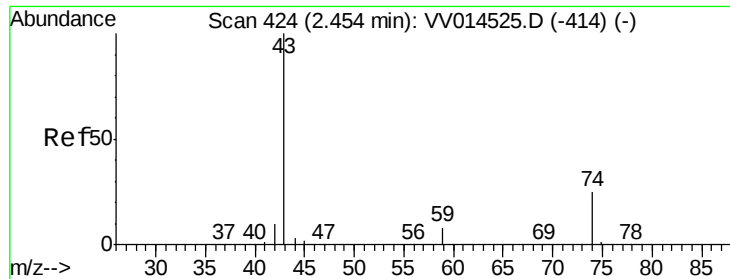
2.35

2.40

2.45

Time-->

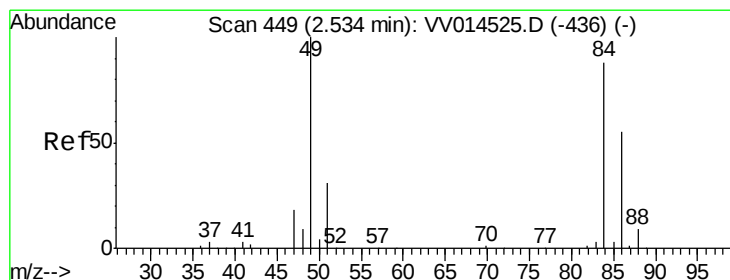
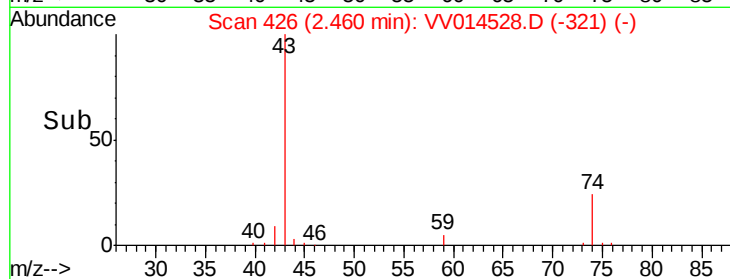
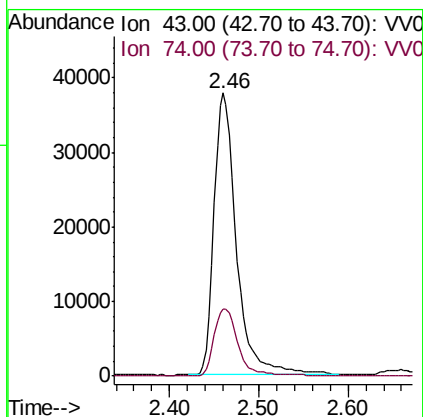
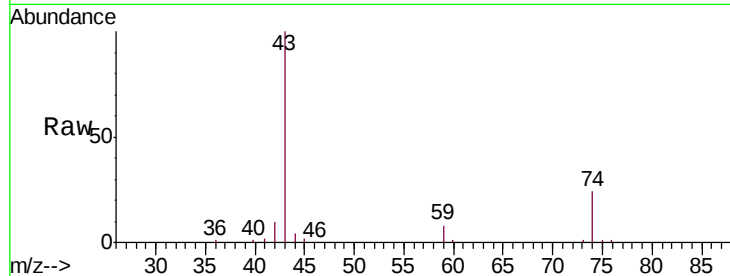




#15
Methyl Acetate
Concen: 25.861 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

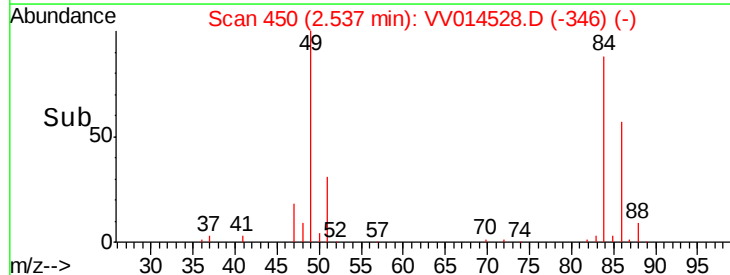
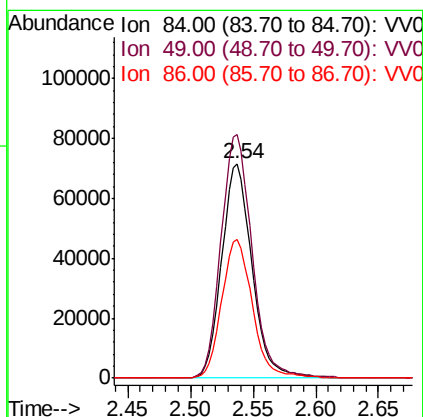
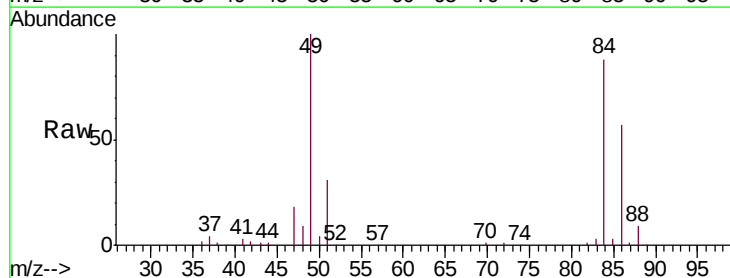
Instrument :
MSVOA_V
ClientSampleId :
VICV66

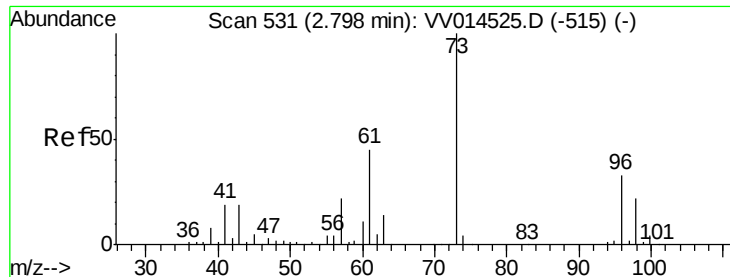
Tgt Ion: 43 Resp: 66218
Ion Ratio Lower Upper
43 100
74 25.2 19.4 29.0



#16
Methylene chloride
Concen: 21.176 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion: 84 Resp: 120402
Ion Ratio Lower Upper
84 100
49 113.4 79.1 146.9
86 64.7 43.9 81.5

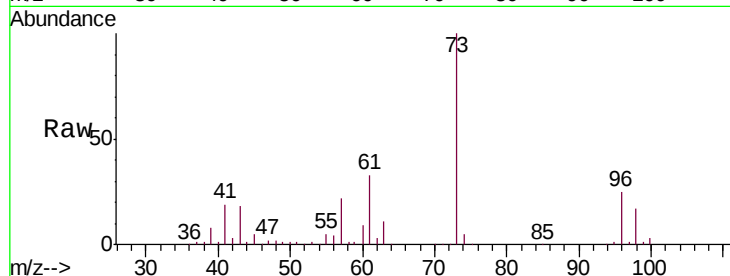




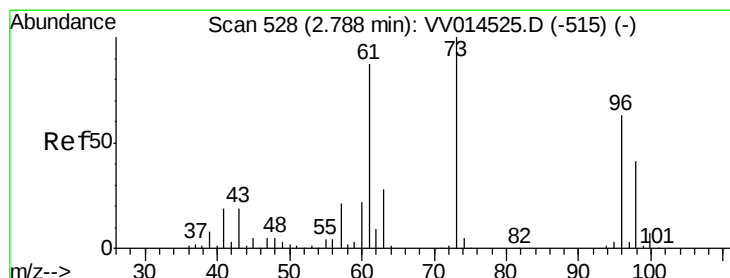
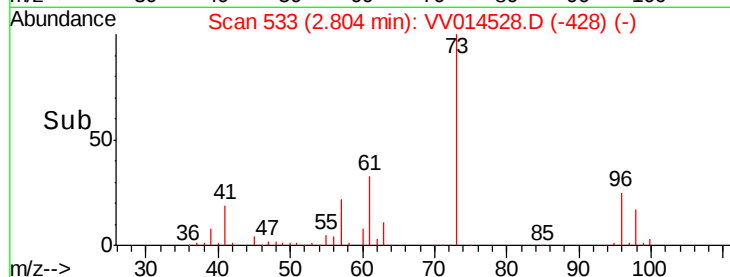
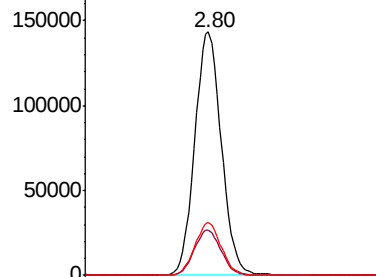
#17
Methyl tert-butyl Ether
Concen: 24.913 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion: 73 Resp: 297027
Ion Ratio Lower Upper
73 100
43 18.3 14.7 22.1
57 21.4 17.4 26.0

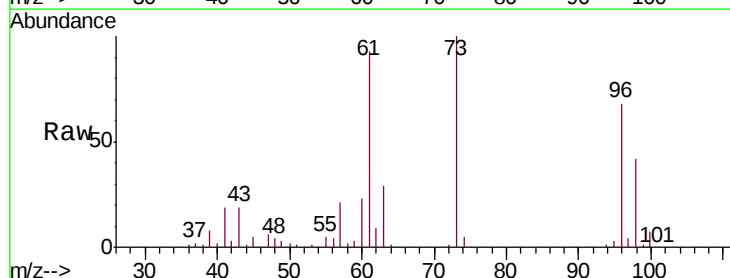


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

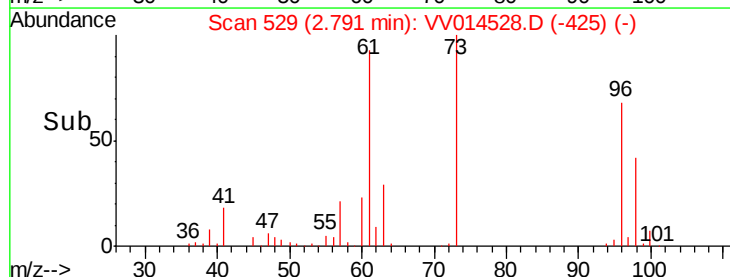
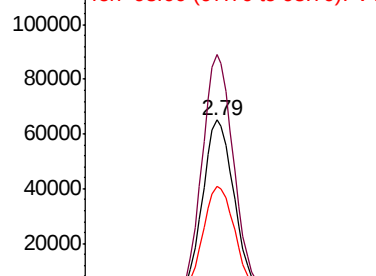


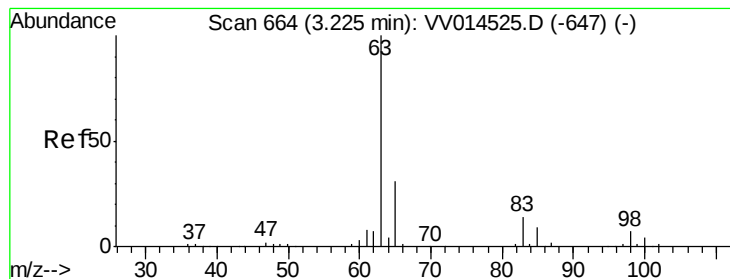
#18
trans-1,2-Dichloroethene
Concen: 23.635 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion: 96 Resp: 109691
Ion Ratio Lower Upper
96 100
61 136.7 96.2 178.8
98 62.6 44.8 83.2



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





#19

1,1-Dichloroethane

Concen: 24.272 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

VICV66

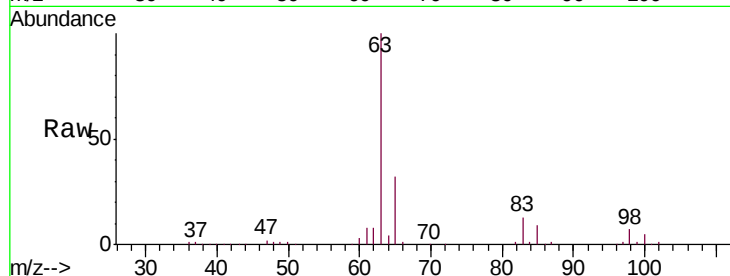
Tgt Ion: 63 Resp: 189838

Ion Ratio Lower Upper

63 100

65 31.9 21.8 40.4

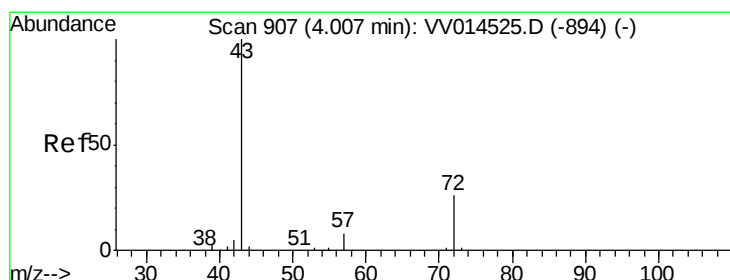
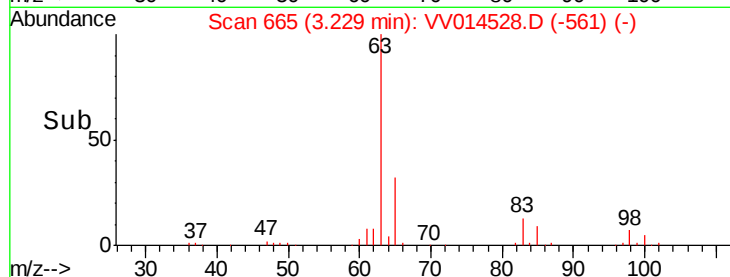
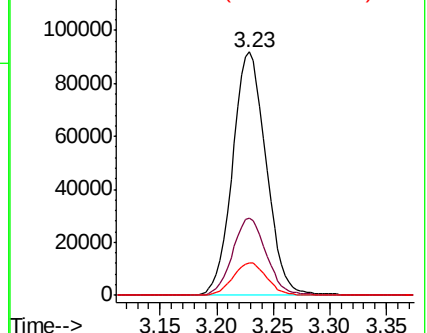
83 13.4 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV014528.D (-647) (-)

Ion 65.00 (64.70 to 65.70): VV014528.D (-647) (-)

Ion 83.00 (82.70 to 83.70): VV014528.D (-647) (-)



#21

2-Butanone

Concen: 51.187 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV014528.D

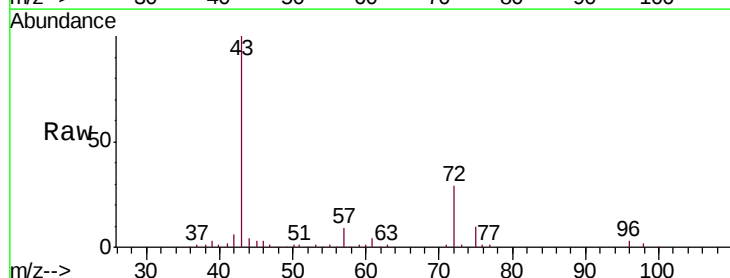
Acq: 06 Feb 2020 20:32

Tgt Ion: 43 Resp: 90803

Ion Ratio Lower Upper

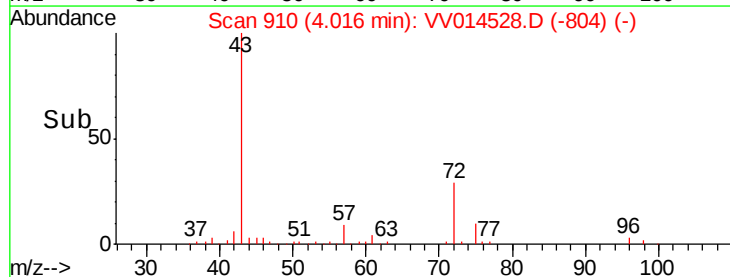
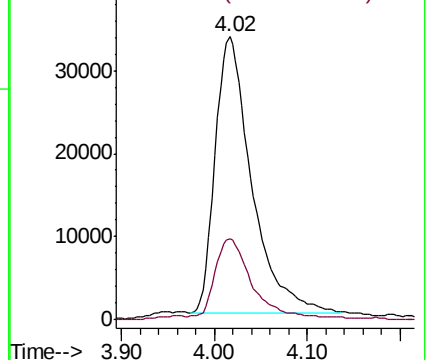
43 100

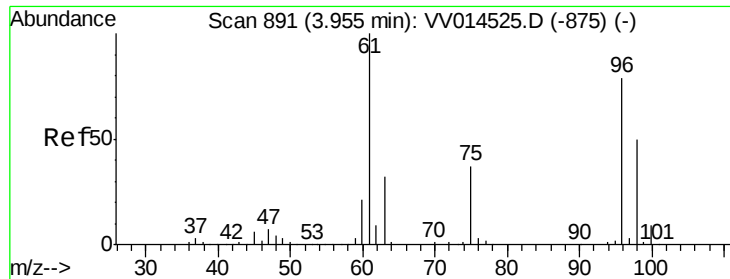
72 26.7 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV014528.D (-804) (-)

Ion 72.00 (71.70 to 72.70): VV014528.D (-804) (-)



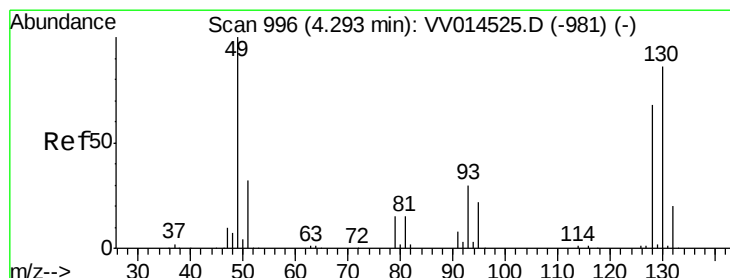
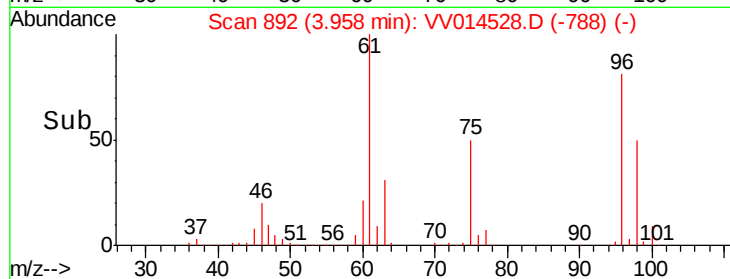
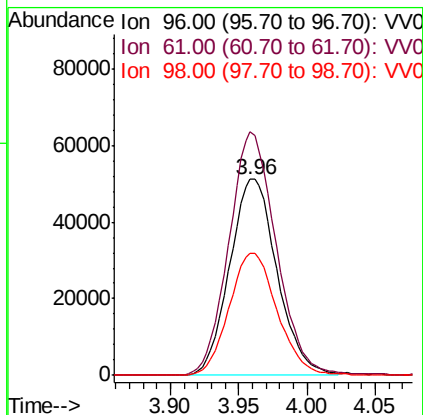
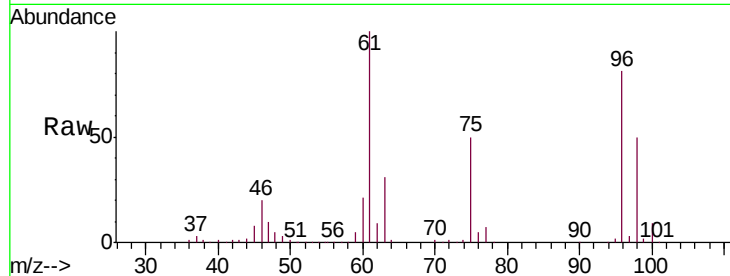


#22

cis-1,2-Dichloroethene
Concen: 24.558 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Instrument :
MSVOA_V
ClientSampleId :
VICV66

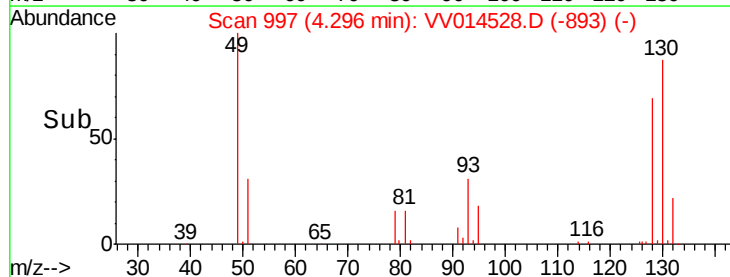
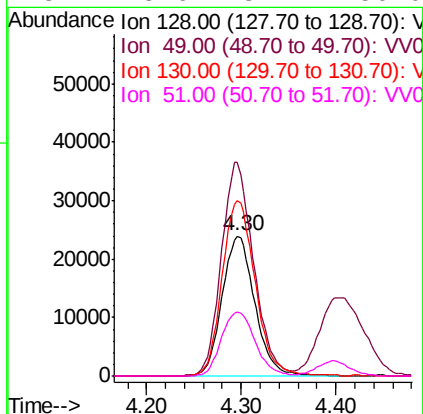
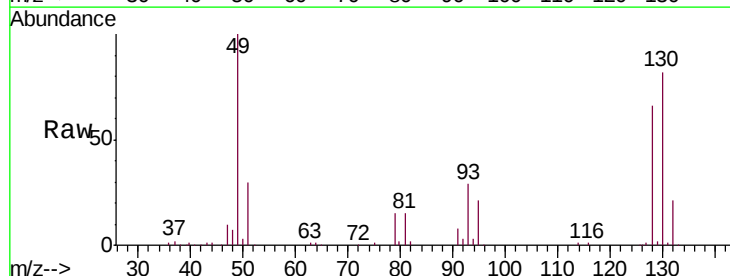
Tgt Ion: 96 Resp: 123844
Ion Ratio Lower Upper
96 100
61 124.2 88.4 164.2
98 62.4 44.0 81.8

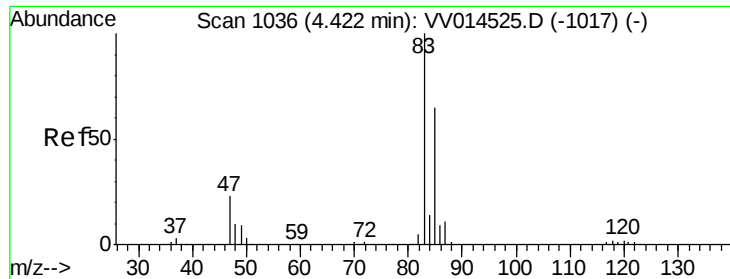


#23

Bromochloromethane
Concen: 24.828 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion: 128 Resp: 57531
Ion Ratio Lower Upper
128 100
49 152.5 103.7 192.7
130 125.3 88.6 164.6
51 45.6 37.4 56.0

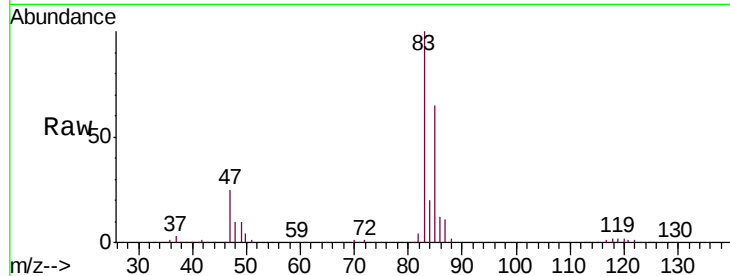




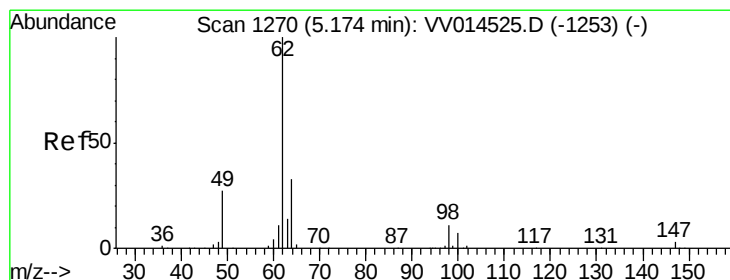
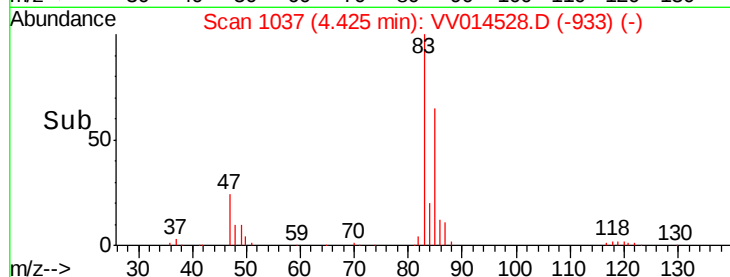
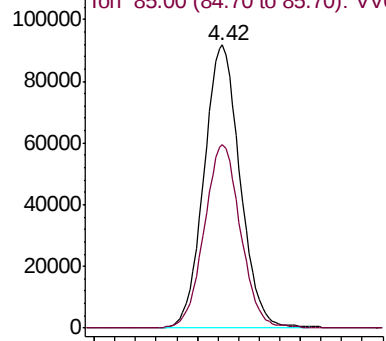
#25
Chloroform
Concen: 25.819 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Instrument :
MSVOA_V
ClientSampled :
VICV66

Tgt Ion: 83 Resp: 223132
Ion Ratio Lower Upper
83 100
85 65.3 46.3 86.1

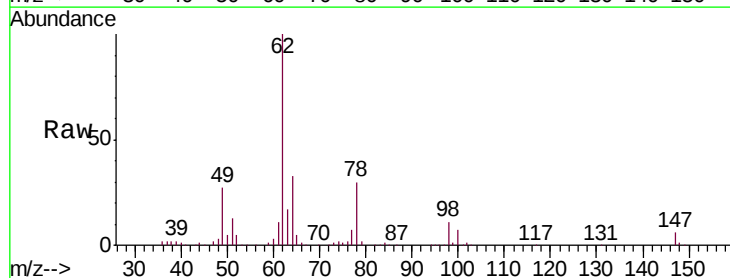


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

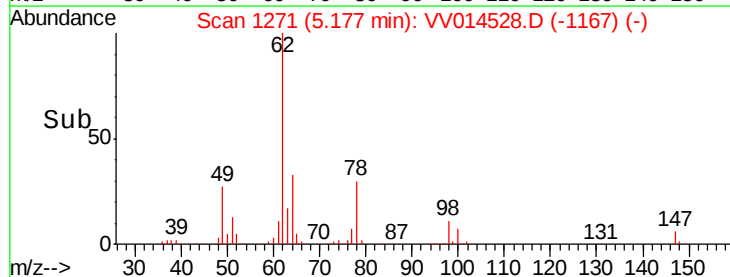
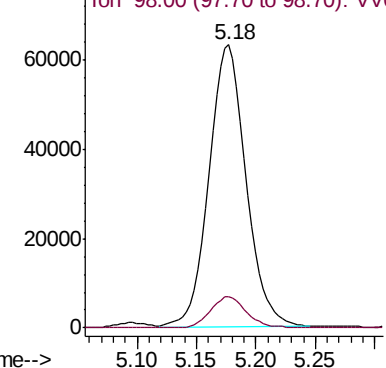


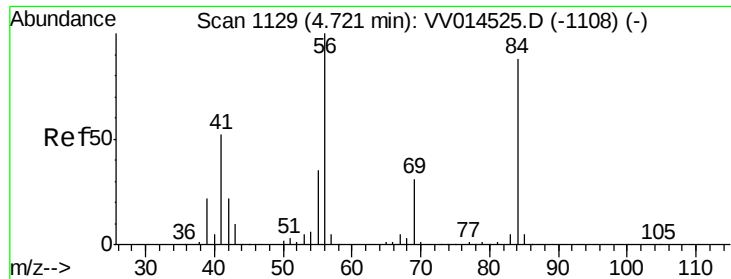
#27
1,2-Dichloroethane
Concen: 24.645 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion: 62 Resp: 135712
Ion Ratio Lower Upper
62 100
98 11.2 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

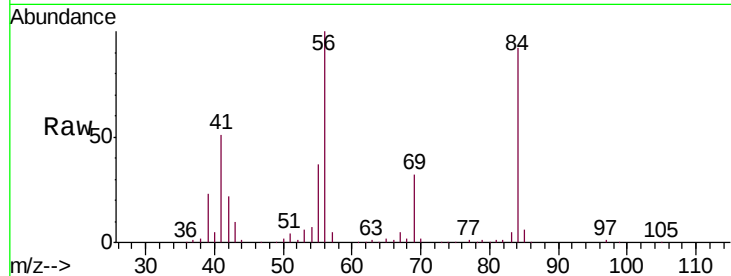




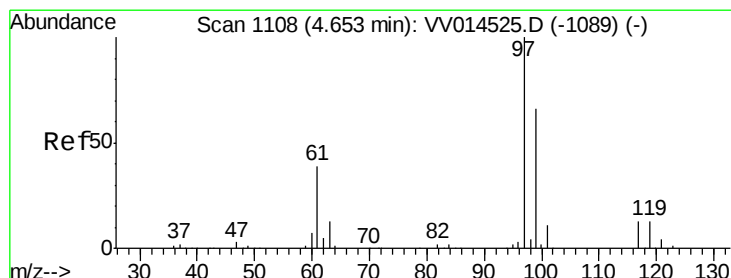
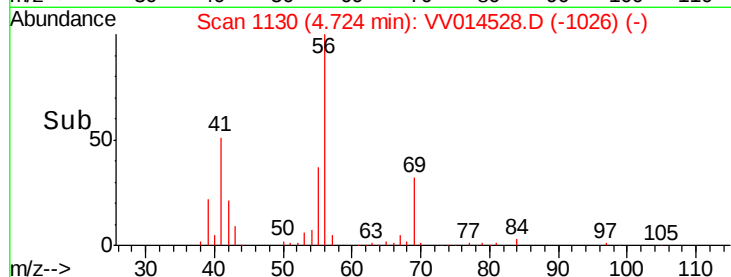
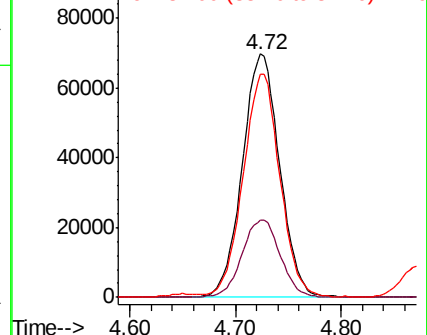
#30
Cyclohexane
Concen: 22.809 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Instrument :
MSVOA_V
ClientSampleId :
VICV66

Tgt Ion: 56 Resp: 171543
Ion Ratio Lower Upper
56 100
69 32.5 25.3 37.9
84 90.6 71.9 107.9

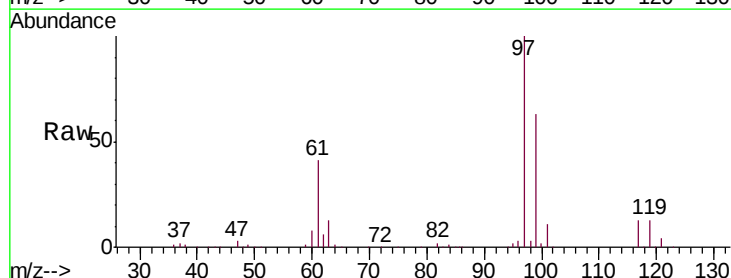


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

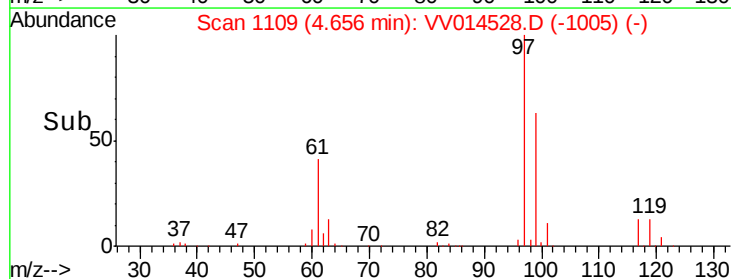
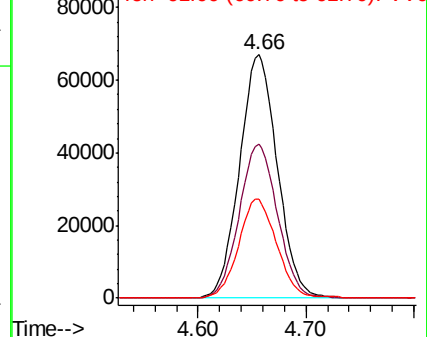


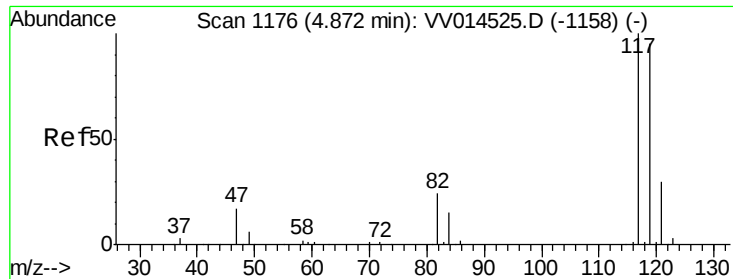
#31
1,1,1-Trichloroethane
Concen: 24.441 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion: 97 Resp: 163613
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 40.9 31.8 47.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 24.031 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

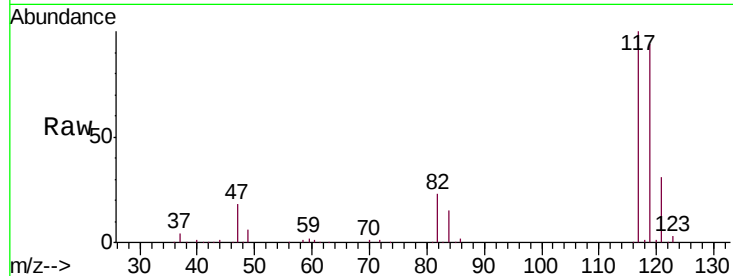
VICV66

Tgt Ion:117 Resp: 142359

Ion Ratio Lower Upper

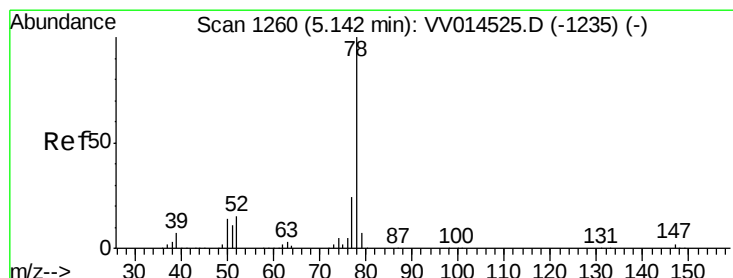
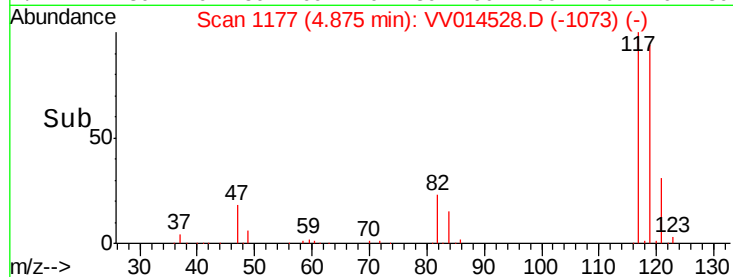
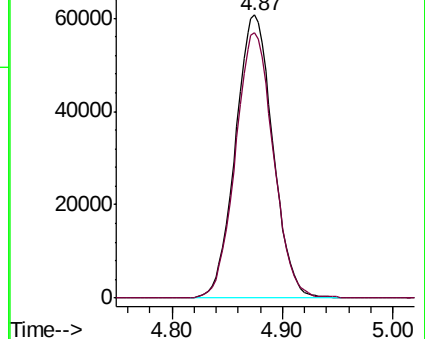
117 100

119 94.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.136 ug/L

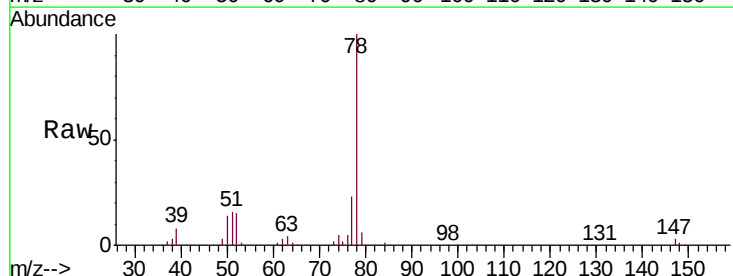
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

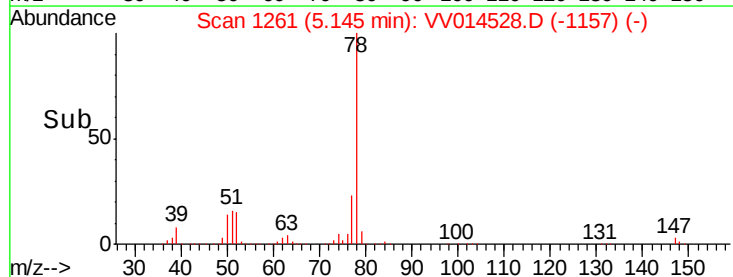
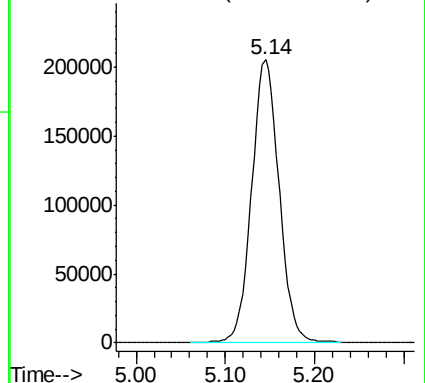
Lab File: VV014528.D

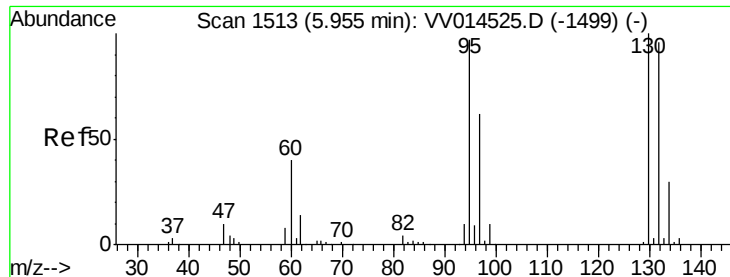
Acq: 06 Feb 2020 20:32

Tgt Ion: 78 Resp: 442748



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.426 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

VICV66

Tgt Ion: 95 Resp: 115461

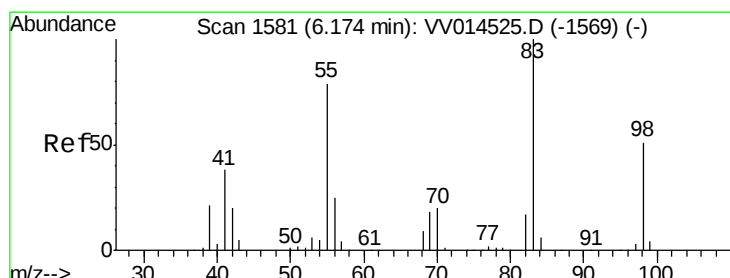
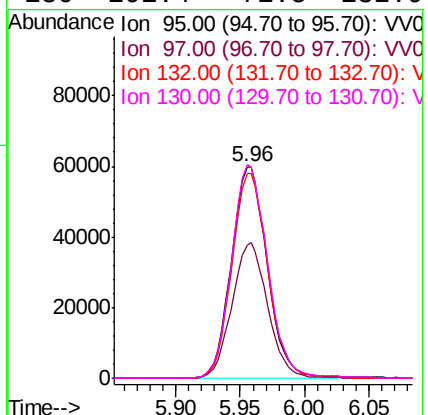
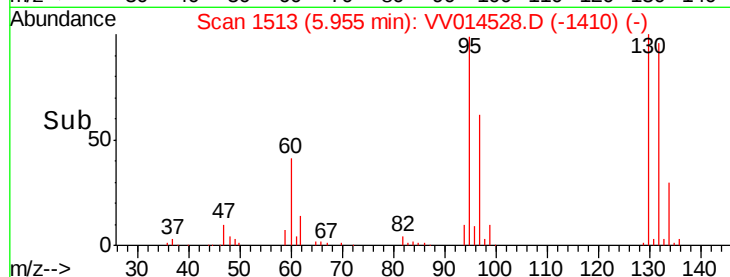
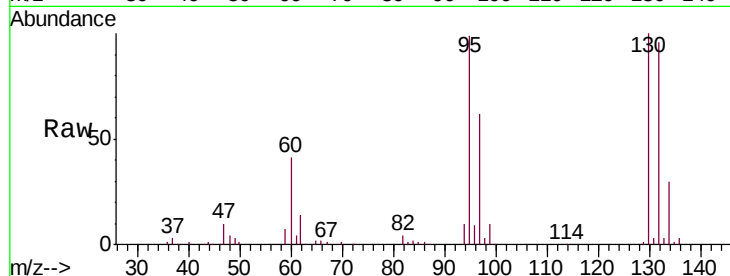
Ion Ratio Lower Upper

95 100

97 63.9 44.6 82.8

132 97.0 68.5 127.1

130 101.4 71.5 132.9



#36

Methylcyclohexane

Concen: 23.514 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

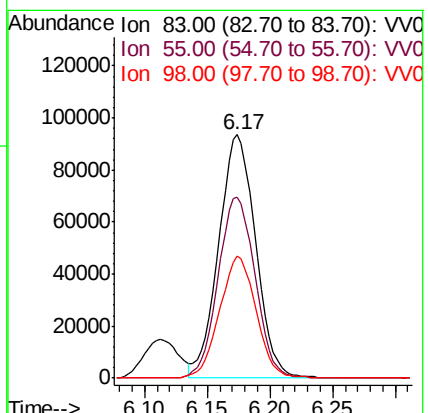
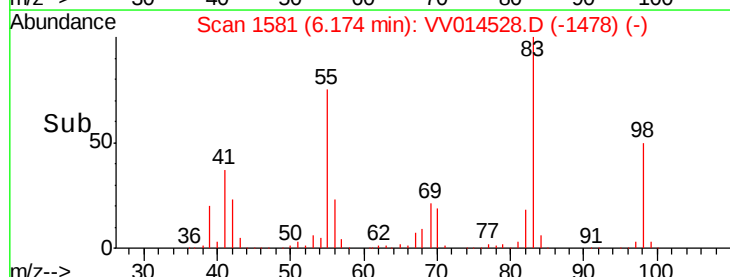
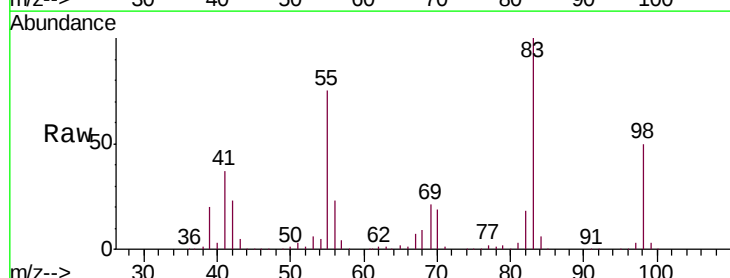
Tgt Ion: 83 Resp: 191428

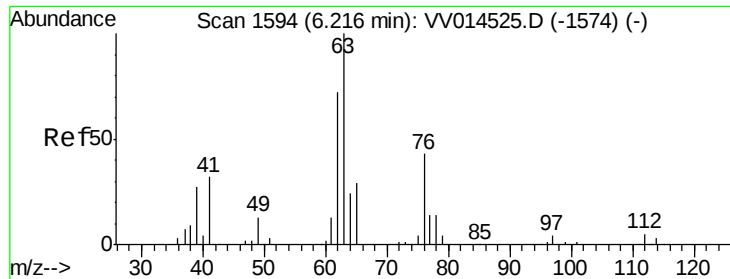
Ion Ratio Lower Upper

83 100

55 74.1 59.8 89.6

98 49.7 39.9 59.9

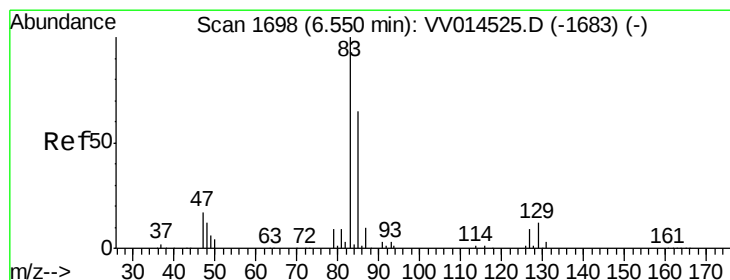
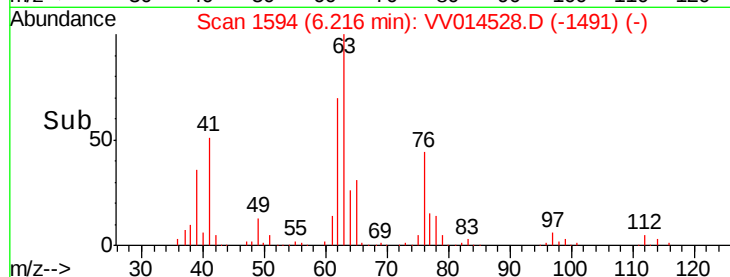
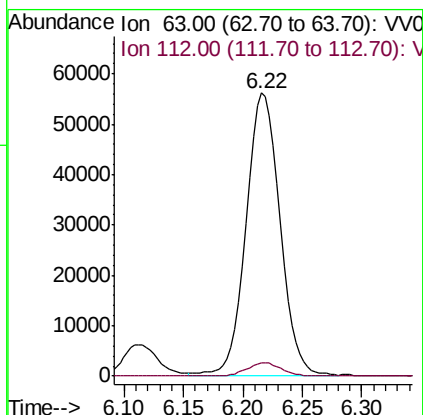
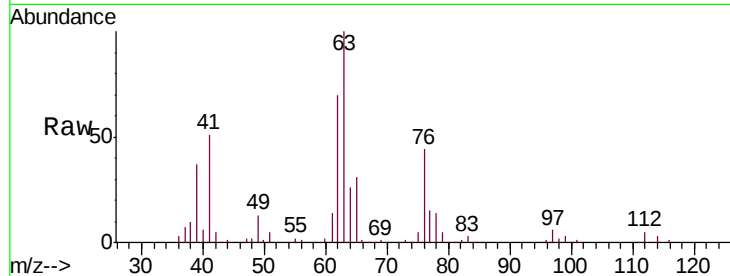




#40
 1,2-Dichloropropane
 Concen: 25.124 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

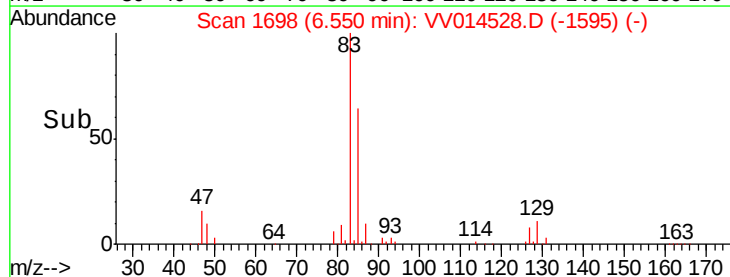
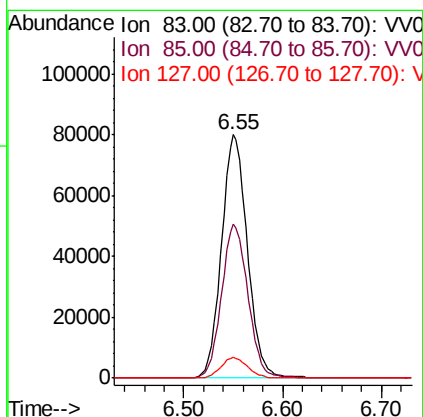
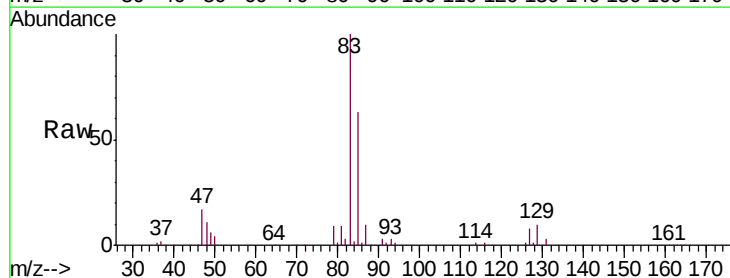
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

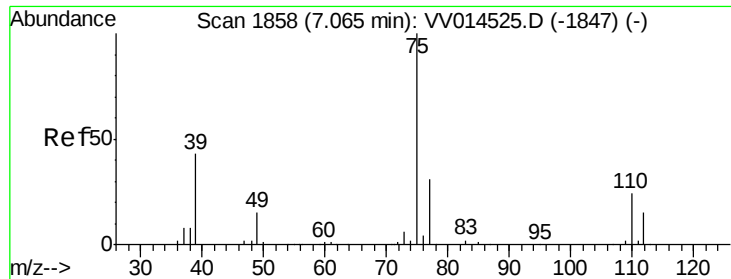
Tgt Ion: 63 Resp: 111802
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 24.906 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

Tgt Ion: 83 Resp: 147569
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.9
 127 8.4 7.4 11.0



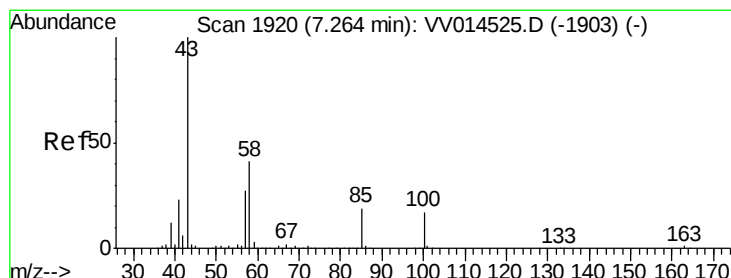
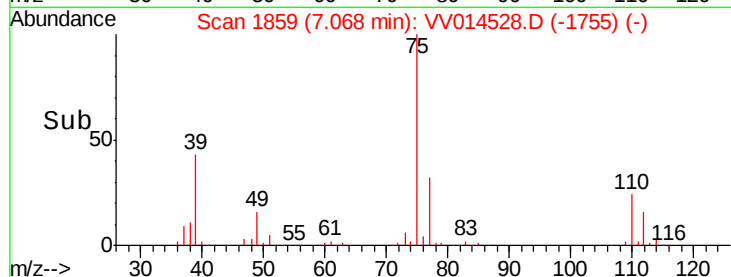
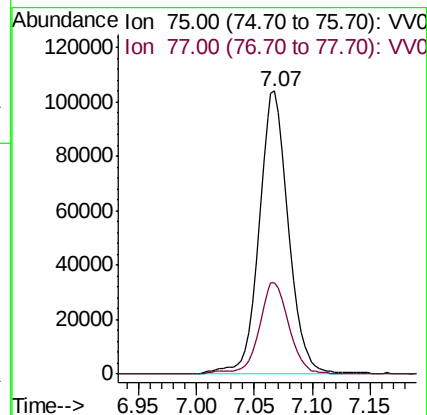
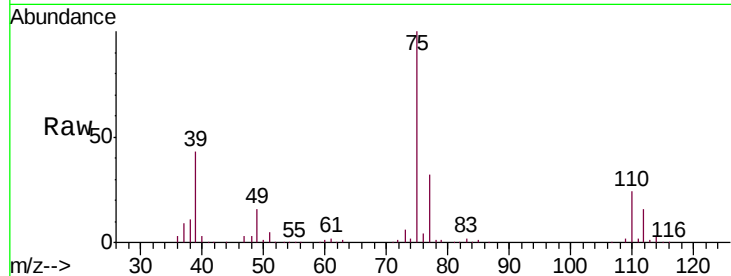


#42

cis-1,3-Dichloropropene
Concen: 24.855 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Instrument :
MSVOA_V
ClientSampleId :
VICV66

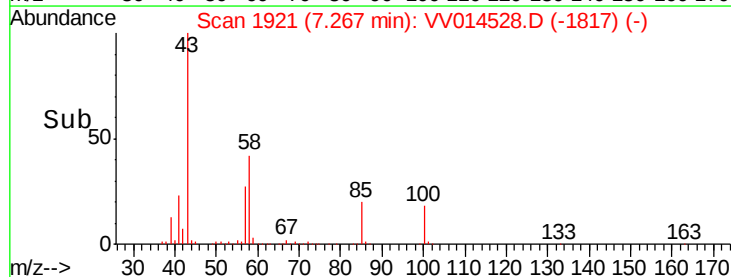
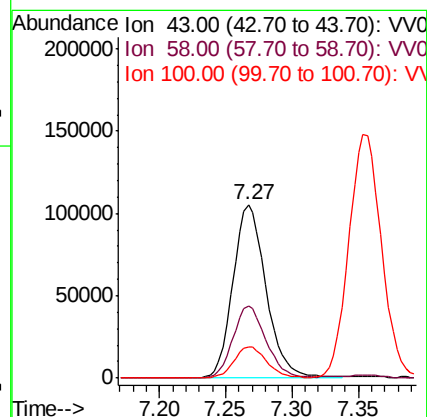
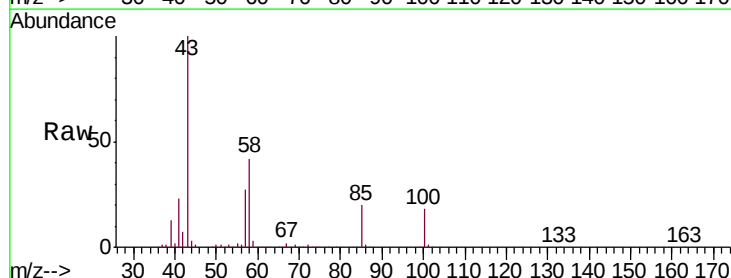
Tgt Ion: 75 Resp: 183930
Ion Ratio Lower Upper
75 100
77 32.5 22.3 41.3

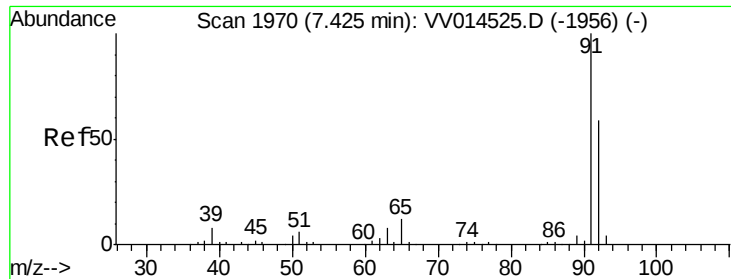


#43

4-Methyl-2-pentanone
Concen: 53.880 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion: 43 Resp: 183343
Ion Ratio Lower Upper
43 100
58 41.4 33.1 49.7
100 17.9 14.0 21.0





#44

Toluene

Concen: 24.672 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

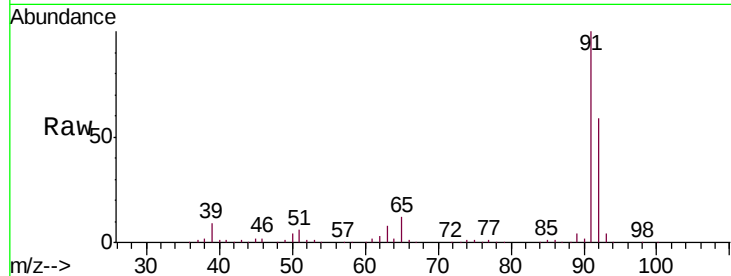
VICV66

Tgt Ion: 91 Resp: 469574

Ion Ratio Lower Upper

91 100

92 59.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014528.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV014528.D (-1956) (-)

7.43

300000

250000

200000

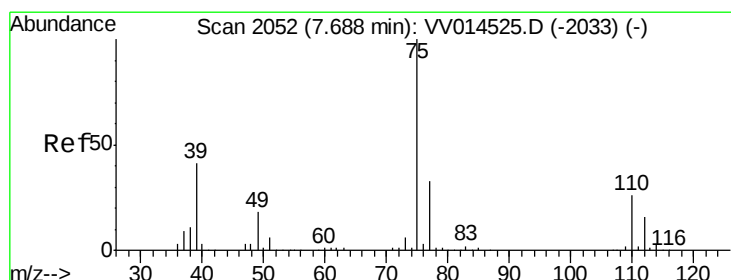
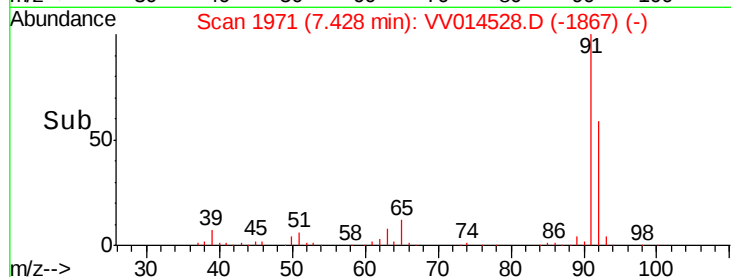
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.143 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014528.D

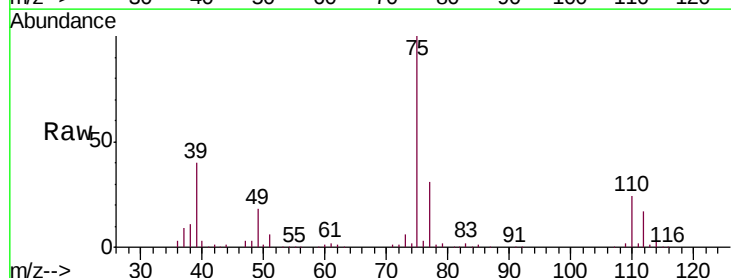
Acq: 06 Feb 2020 20:32

Tgt Ion: 75 Resp: 155867

Ion Ratio Lower Upper

75 100

77 30.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV014528.D (-1949) (-)

Ion 77.00 (76.70 to 77.70): VV014528.D (-1949) (-)

7.69

100000

80000

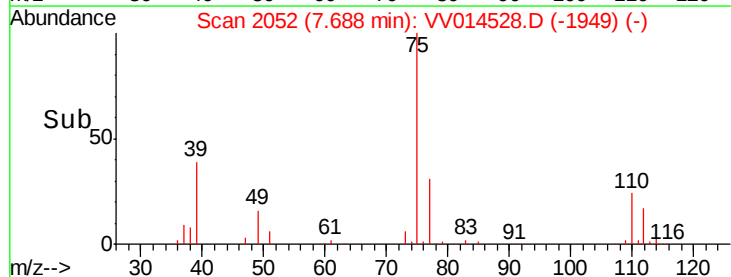
60000

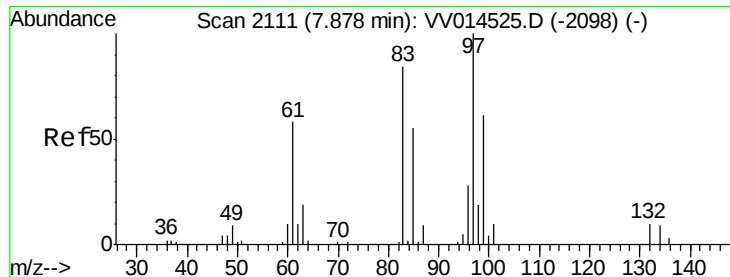
40000

20000

0

Time-->

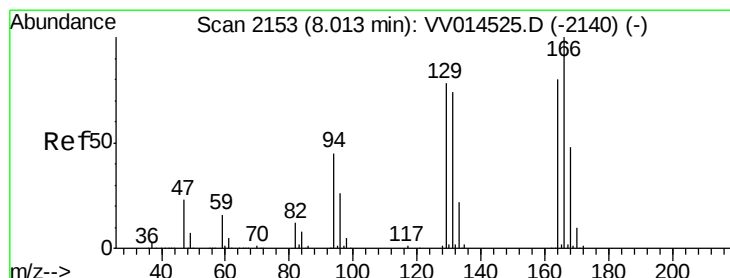
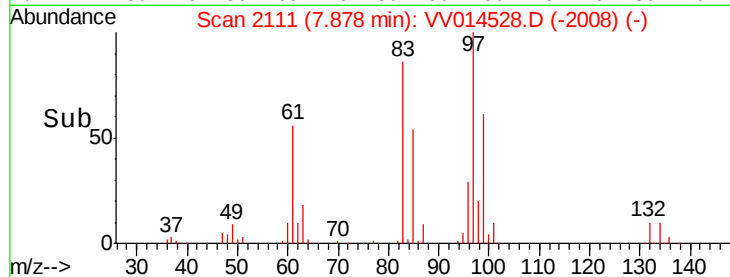
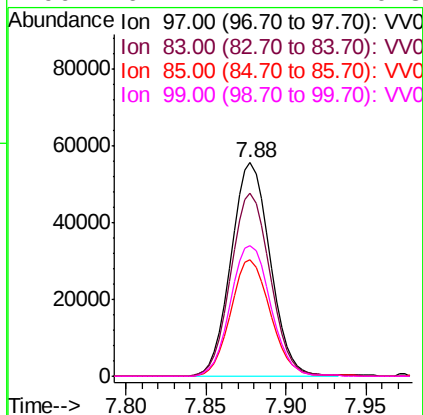
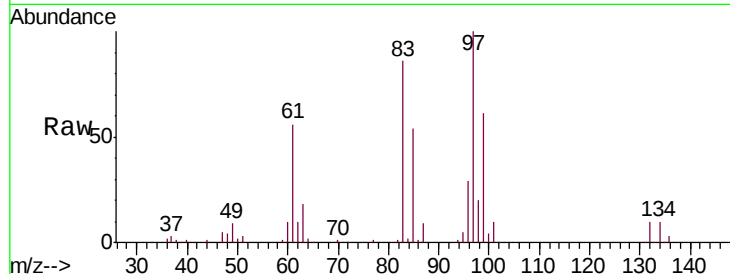




#46
 1,1,2-Trichloroethane
 Concen: 25.183 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

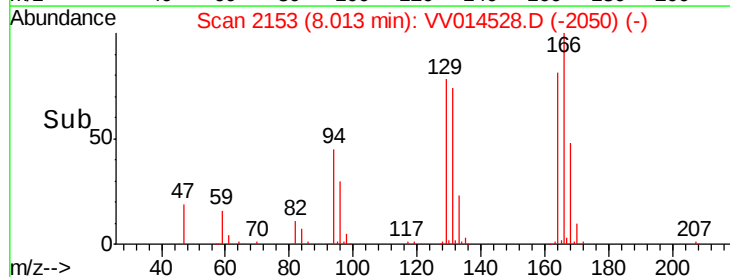
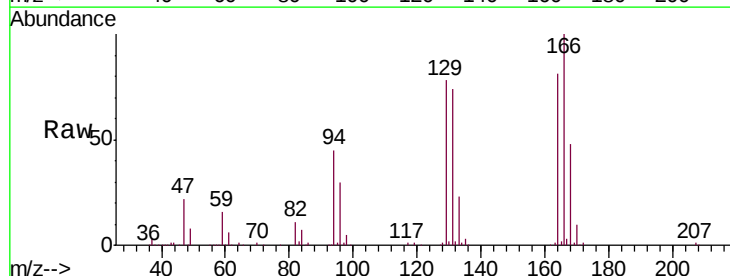
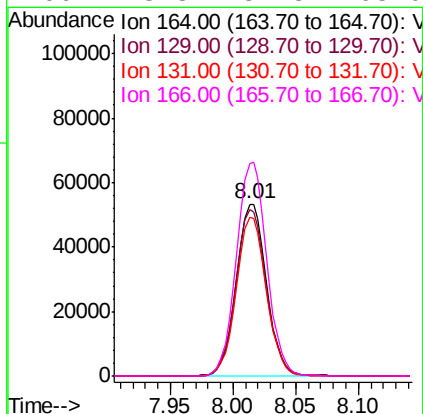
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

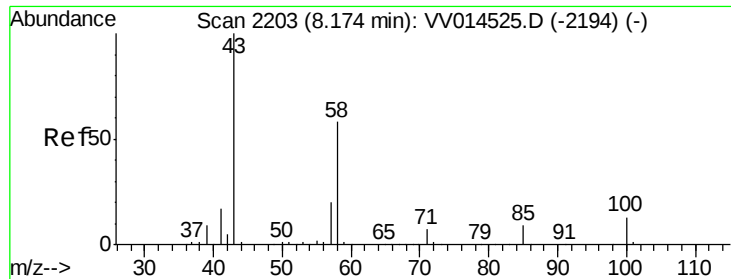
Tgt Ion: 97 Resp: 92690
 Ion Ratio Lower Upper
 97 100
 83 85.8 59.0 109.6
 85 54.3 38.6 71.8
 99 61.4 42.7 79.3



#47
 Tetrachloroethene
 Concen: 24.592 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

Tgt Ion: 164 Resp: 89390
 Ion Ratio Lower Upper
 164 100
 129 96.9 68.7 127.7
 131 92.2 64.9 120.5
 166 123.8 87.8 163.0

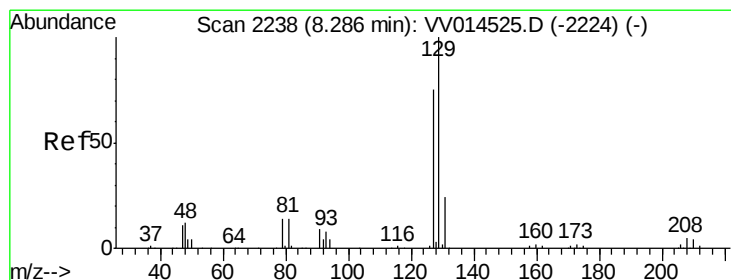
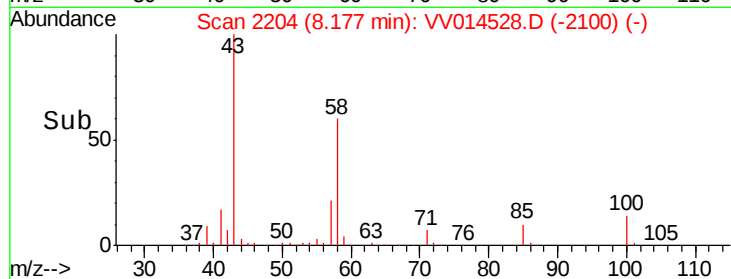
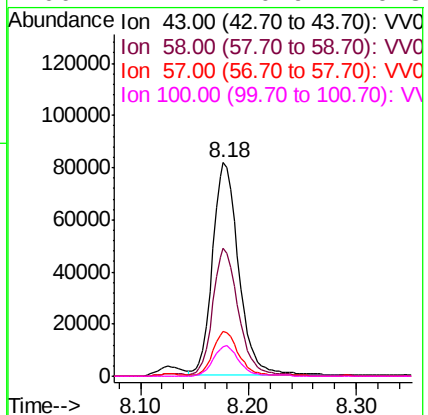
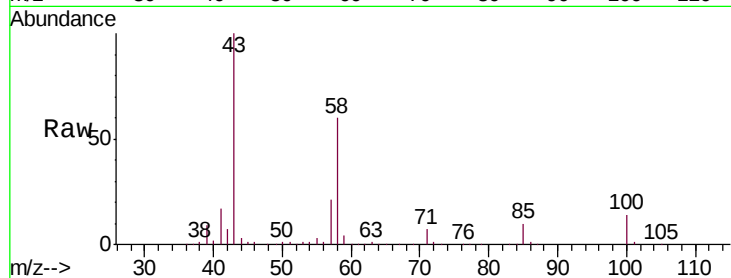




#49
2-Hexanone
Concen: 54.789 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

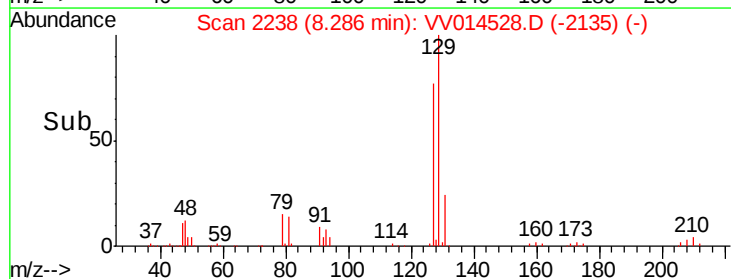
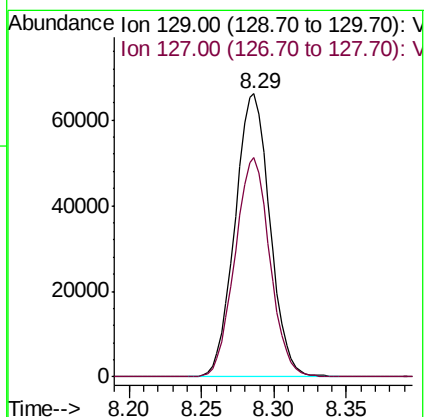
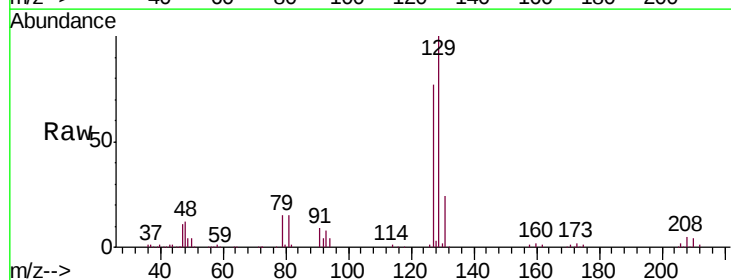
Instrument :
MSVOA_V
ClientSampleId :
VICV66

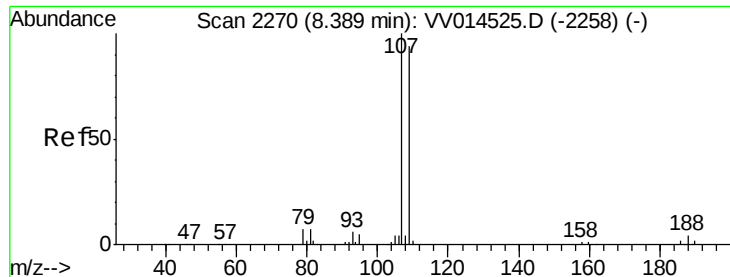
Tgt Ion:	43	Resp:	137689
Ion	Ratio	Lower	Upper
43	100		
58	59.9	46.9	70.3
57	20.3	15.6	23.4
100	14.1	10.9	16.3



#50
Dibromochloromethane
Concen: 25.558 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014528.D
Acq: 06 Feb 2020 20:32

Tgt Ion:	129	Resp:	111061
Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.5	97.5





#51

1,2-Dibromoethane

Concen: 25.766 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

VICV66

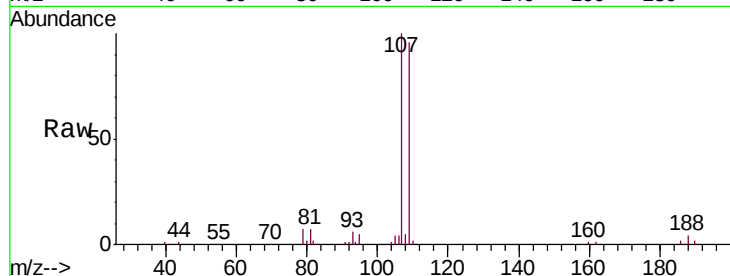
Tgt Ion:107 Resp: 97182

Ion Ratio Lower Upper

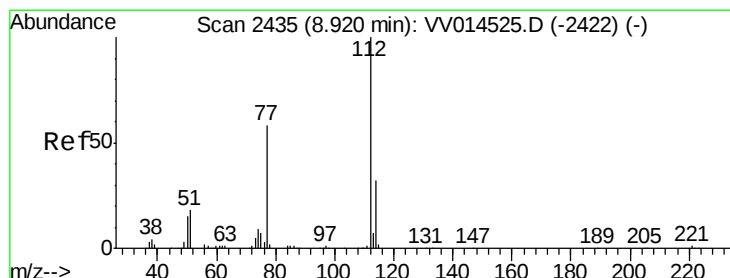
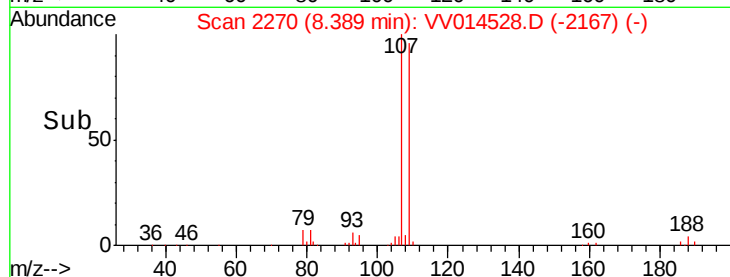
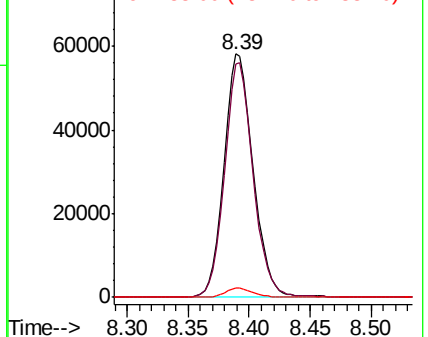
107 100

109 95.7 66.0 122.6

188 3.9 2.9 4.3



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



#52

Chlorobenzene

Concen: 24.743 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

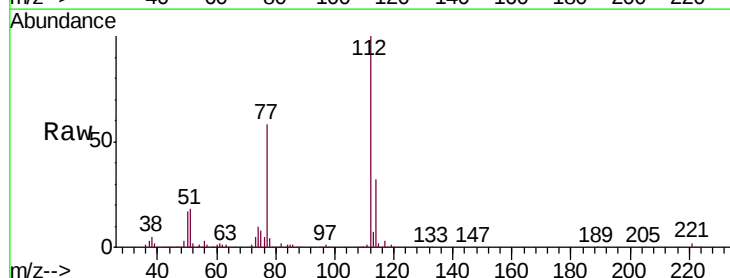
Tgt Ion:112 Resp: 312986

Ion Ratio Lower Upper

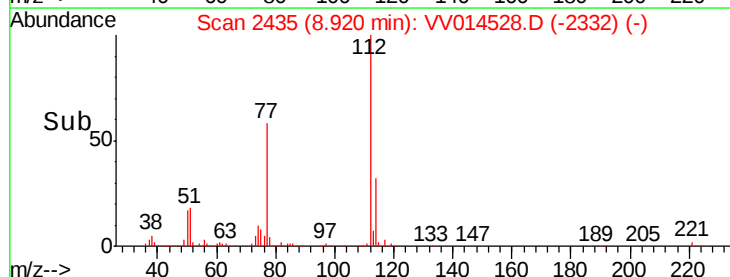
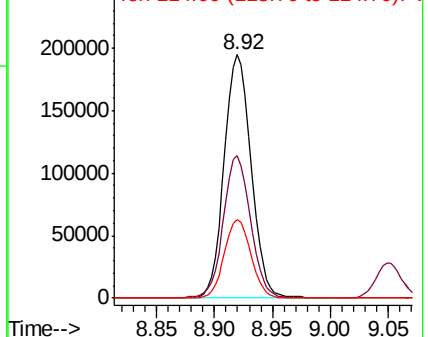
112 100

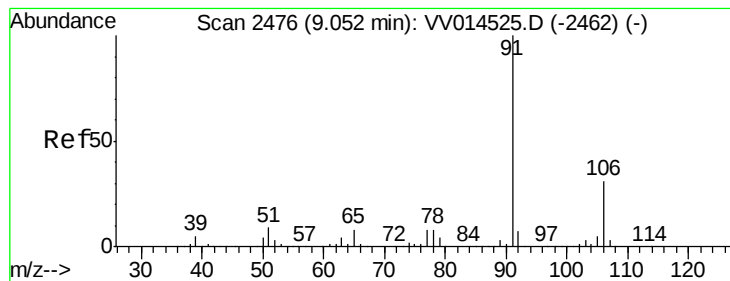
77 58.4 46.7 70.1

114 32.3 22.7 42.1



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





#53

Ethylbenzene

Concen: 24.920 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

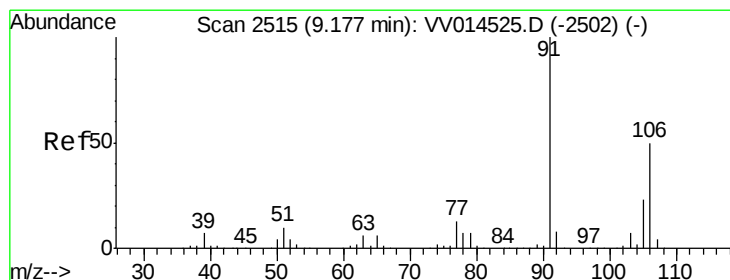
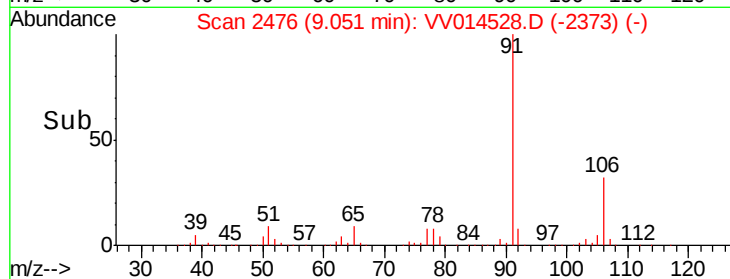
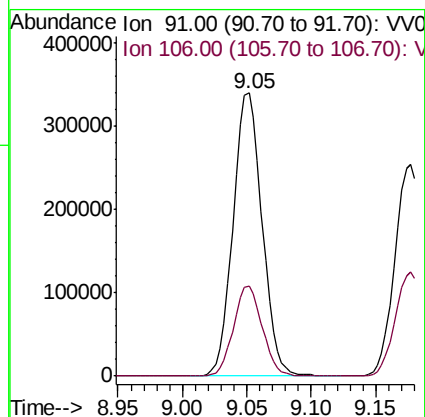
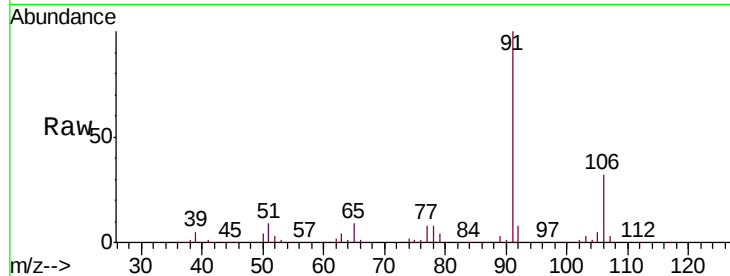
VICV66

Tgt Ion: 91 Resp: 532259

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#54

m,p-Xylene

Concen: 24.885 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014528.D

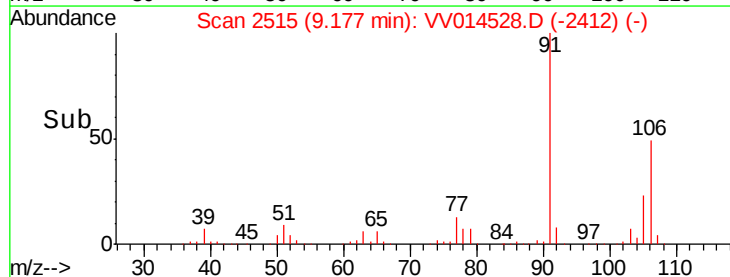
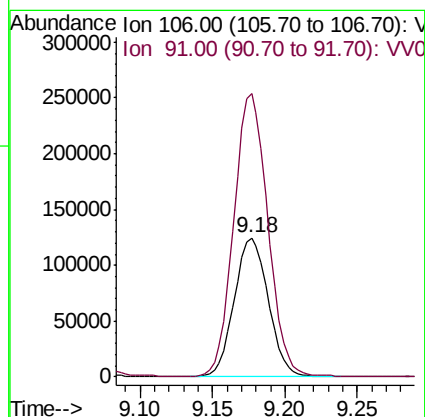
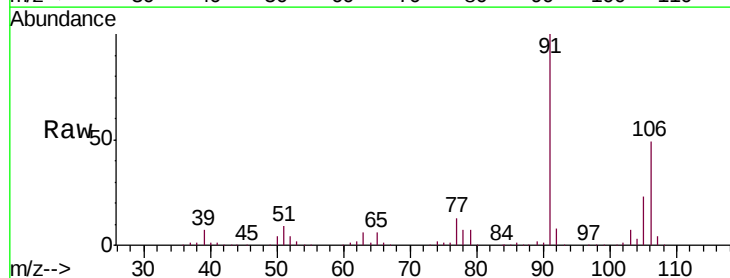
Acq: 06 Feb 2020 20:32

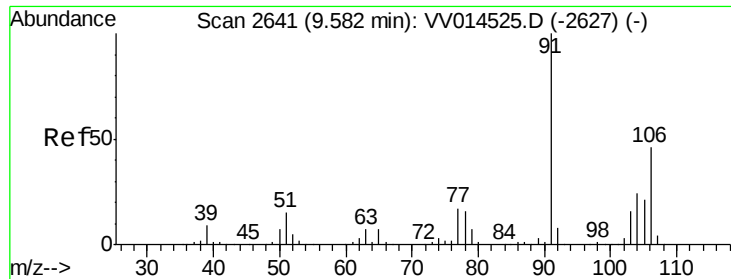
Tgt Ion: 106 Resp: 203834

Ion Ratio Lower Upper

106 100

91 203.6 141.1 262.0





#55

o-xylene

Concen: 25.004 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

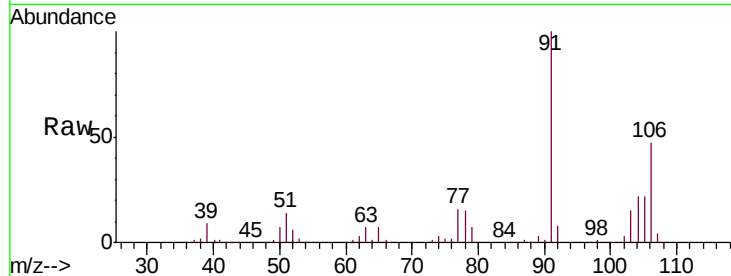
VICV66

Tgt Ion:106 Resp: 197811

Ion Ratio Lower Upper

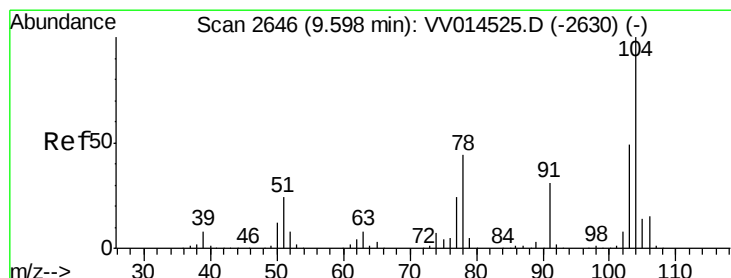
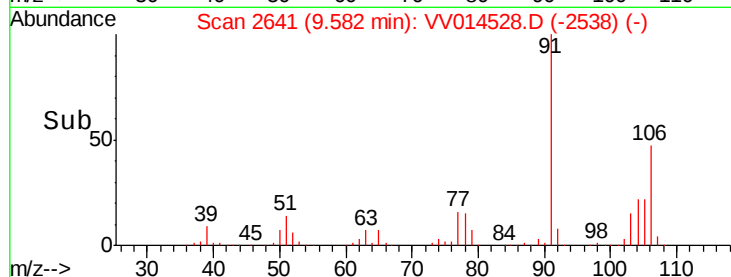
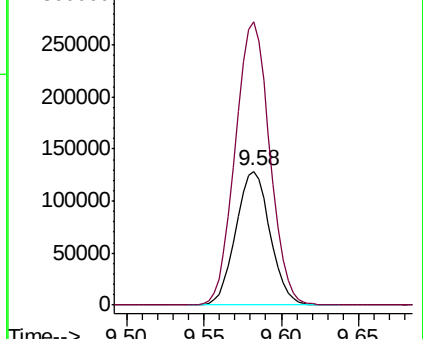
106 100

91 210.9 152.3 282.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.300 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014528.D

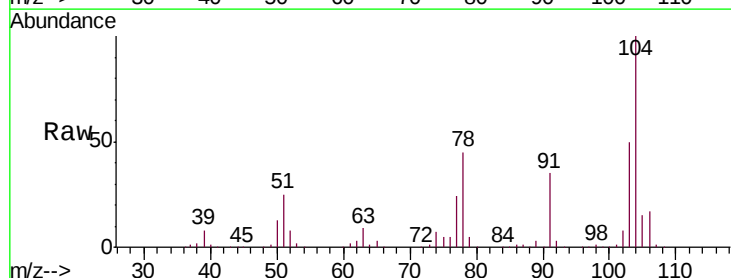
Acq: 06 Feb 2020 20:32

Tgt Ion:104 Resp: 340683

Ion Ratio Lower Upper

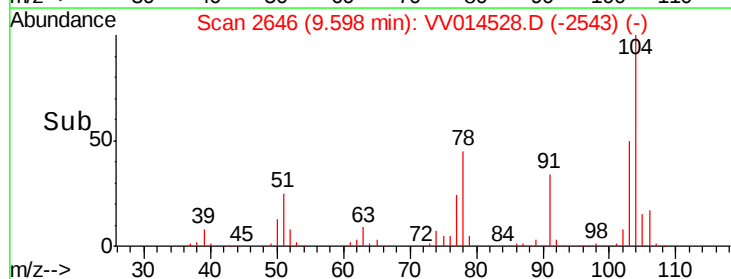
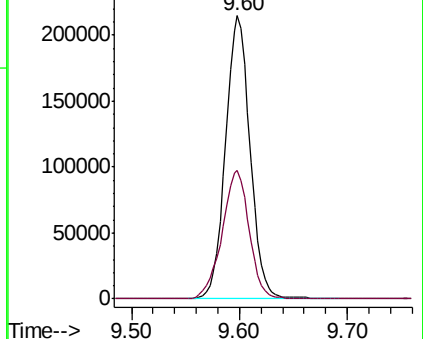
104 100

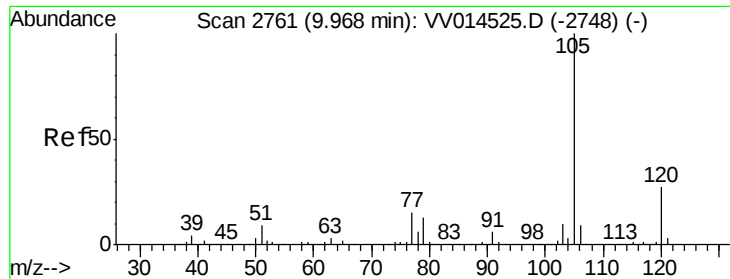
78 45.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 24.627 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

VICV66

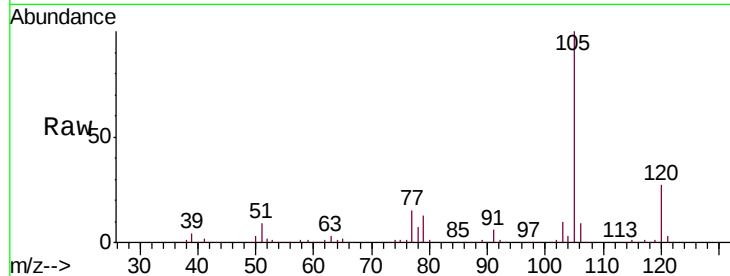
Tgt Ion: 105 Resp: 513296

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

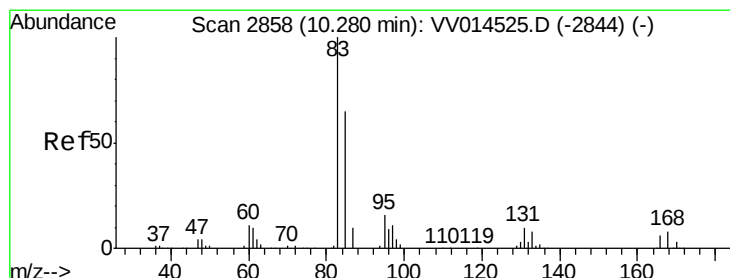
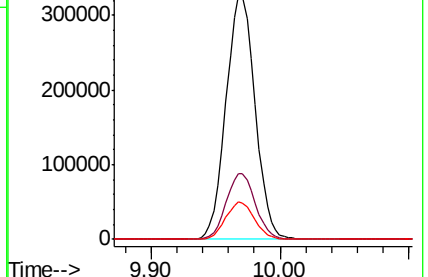
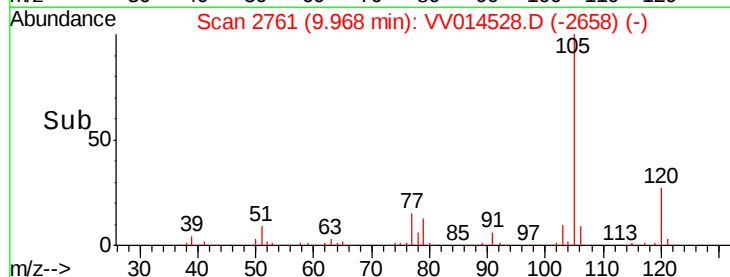
77 15.1 12.2 18.4



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: 26.316 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

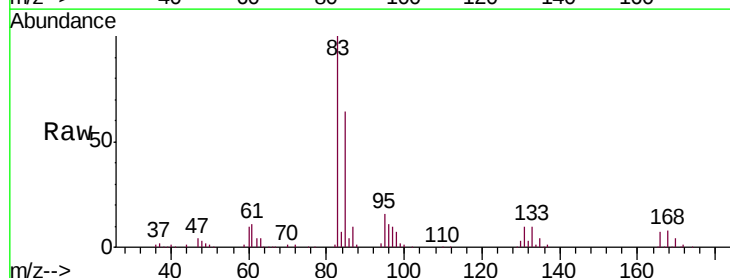
Tgt Ion: 83 Resp: 125930

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0

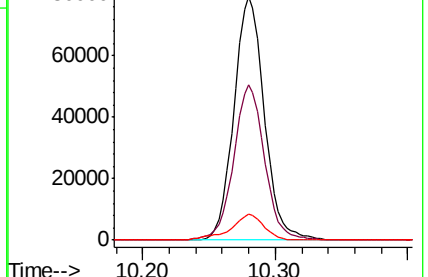
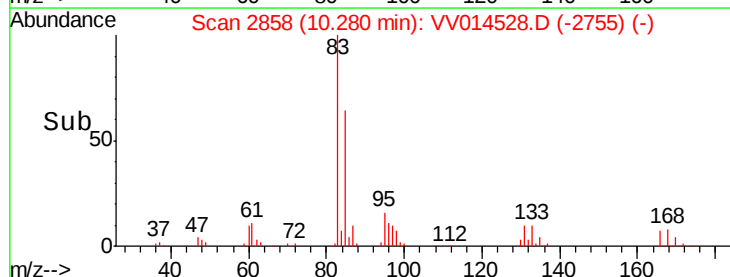
131 10.4 8.1 12.1

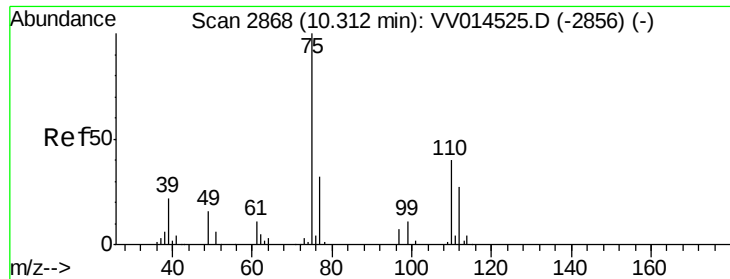


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.063 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

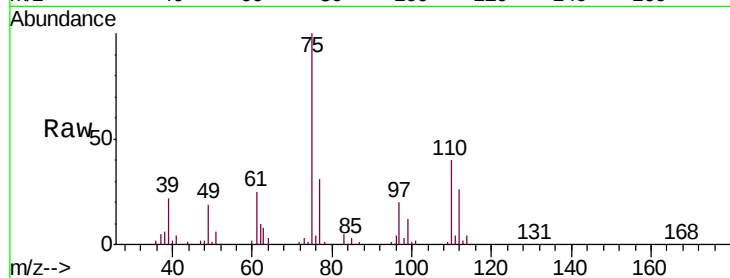
VICV66

Tgt Ion: 75 Resp: 93918

Ion Ratio Lower Upper

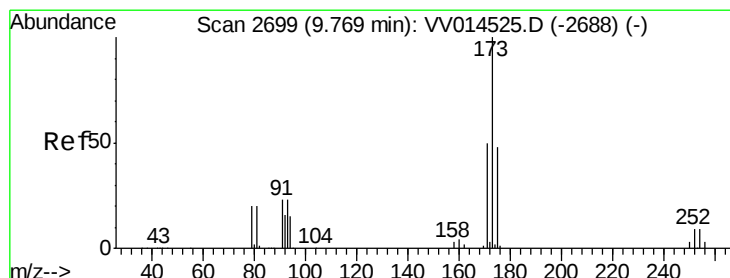
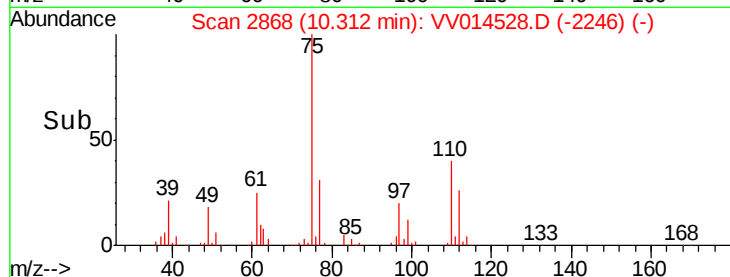
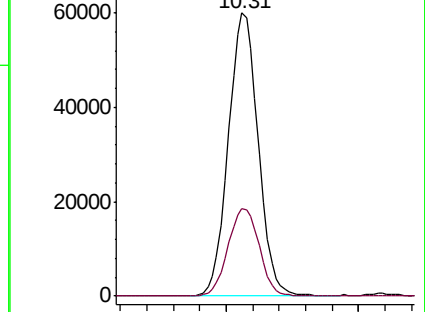
75 100

77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014525.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014525.D (-2856) (-)



#62

Bromoform

Concen: 25.519 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

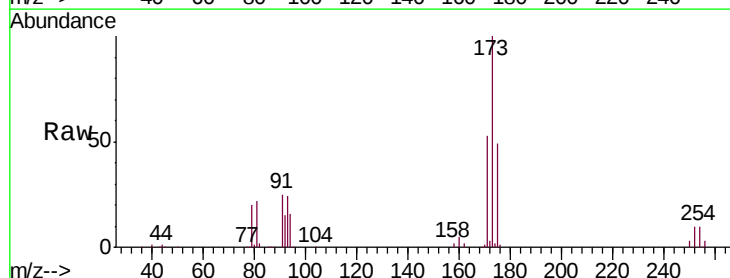
Tgt Ion: 173 Resp: 65027

Ion Ratio Lower Upper

173 100

175 49.6 38.3 57.5

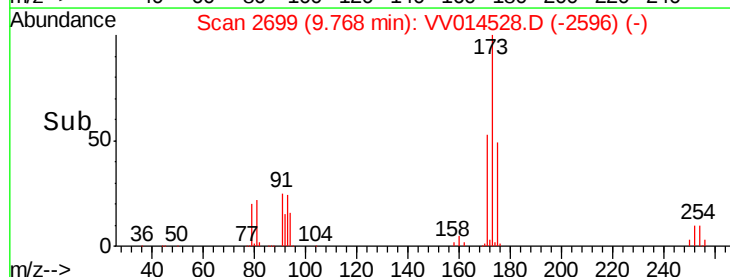
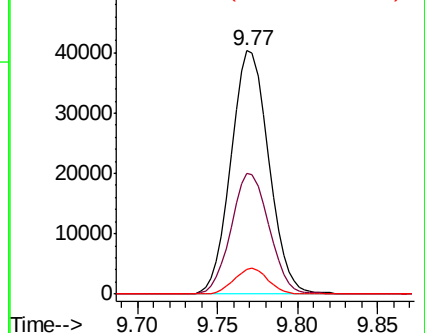
254 9.5 7.0 10.4

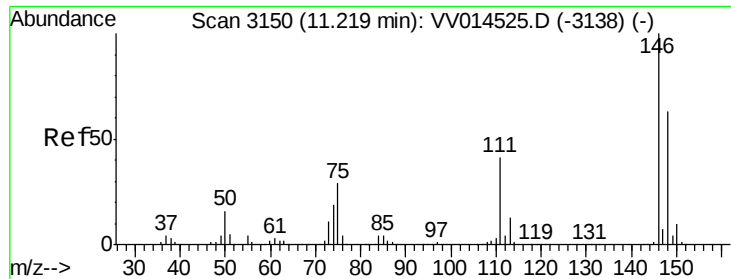


Abundance Ion 173.00 (172.70 to 173.70): VV014525.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014525.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014525.D (-2688) (-)

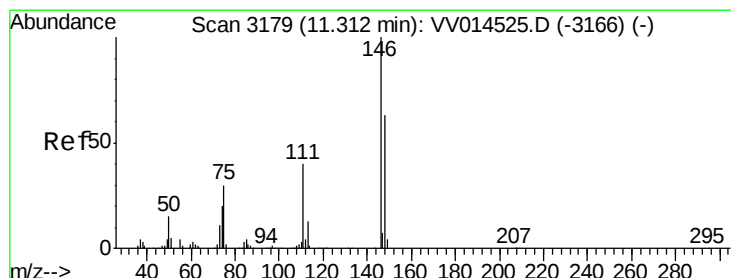
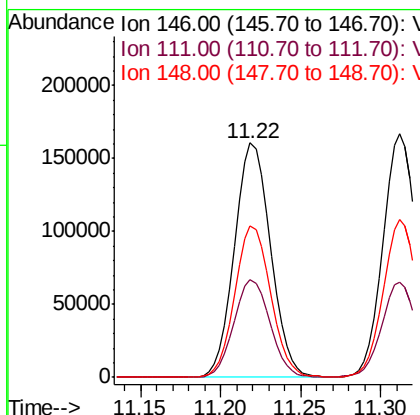
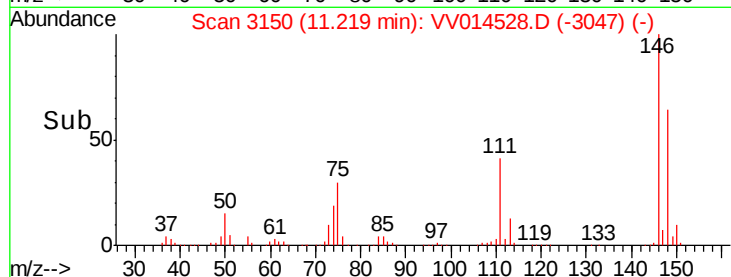
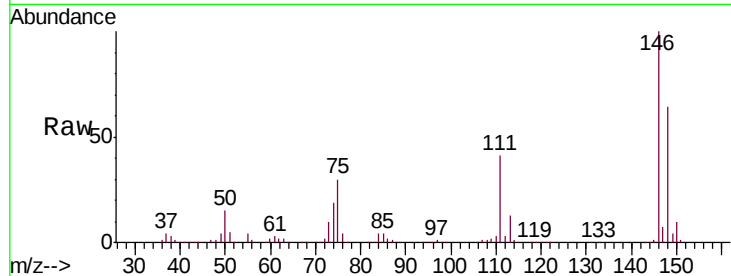




#63
 1,3-Dichlorobenzene
 Concen: 24.770 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

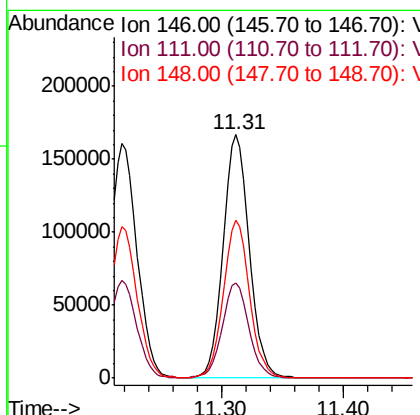
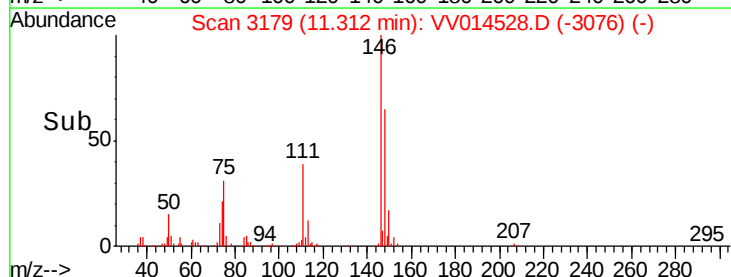
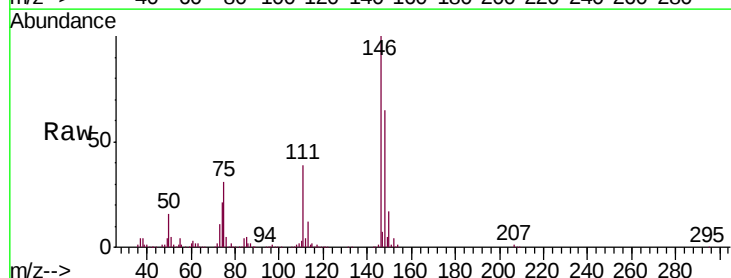
Instrument :
 MSVOA_V
 ClientSampled :
 VICV66

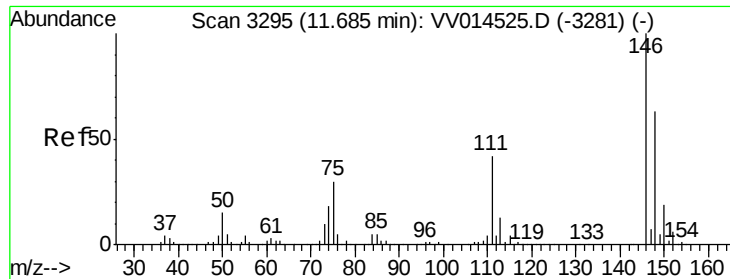
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.6	53.2
148	64.5	43.8	81.4



#64
 1,4-Dichlorobenzene
 Concen: 24.857 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	28.2	52.4
148	64.7	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 25.042 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampled :

VICV66

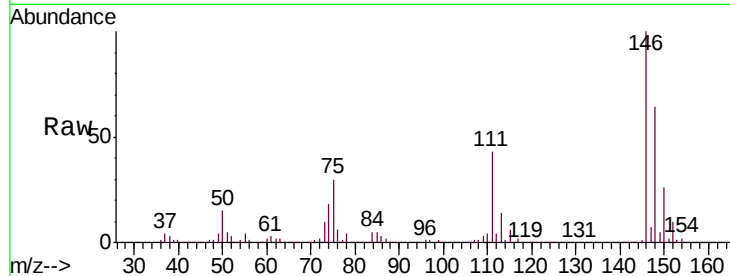
Tgt Ion:146 Resp: 231984

Ion Ratio Lower Upper

146 100

111 43.3 33.9 50.9

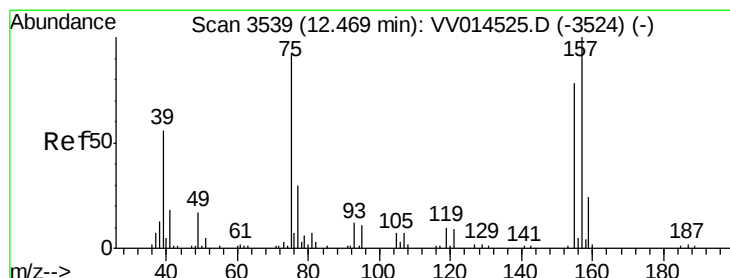
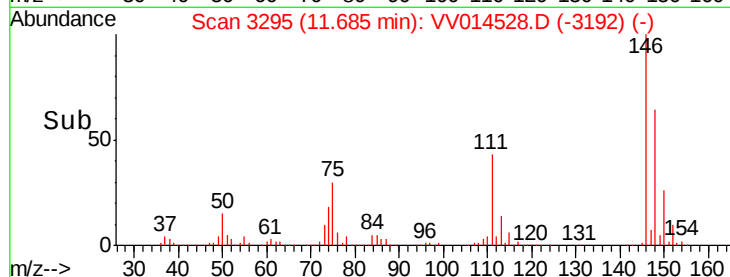
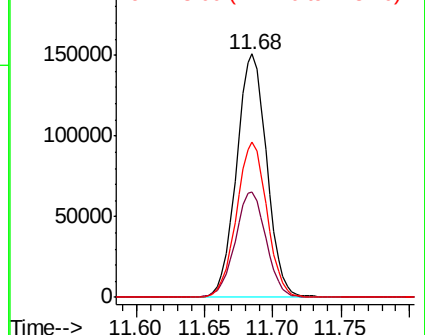
148 63.8 50.4 75.6



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: 26.537 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

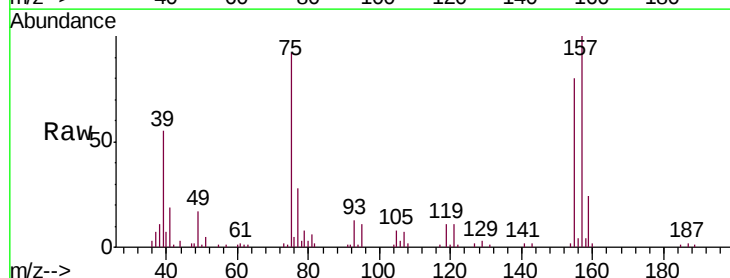
Tgt Ion: 75 Resp: 23088

Ion Ratio Lower Upper

75 100

157 108.4 86.6 129.8

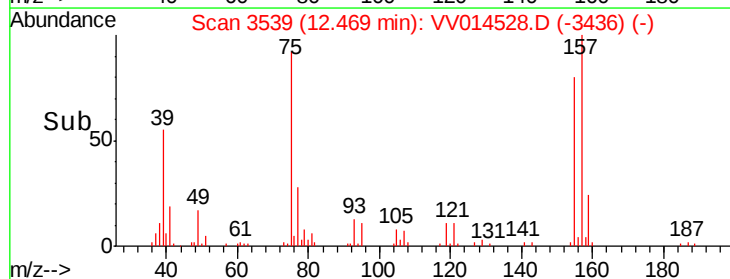
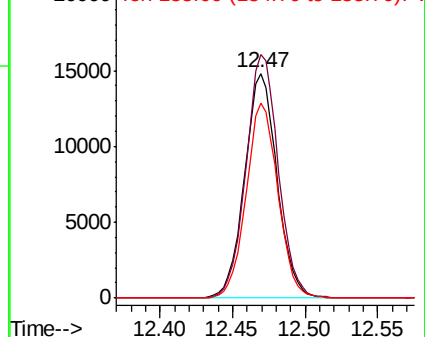
155 86.9 67.4 101.0

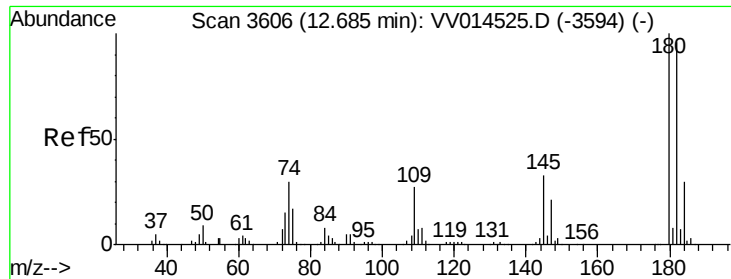


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

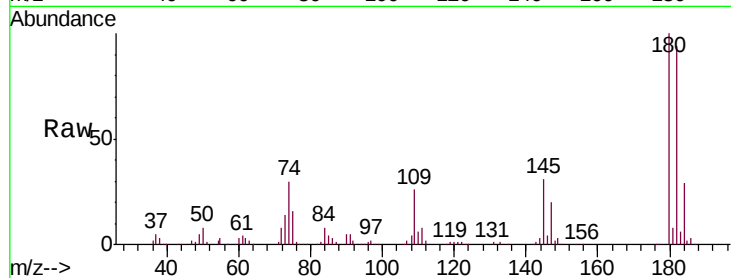




#67
 1,3,5-Trichlorobenzene
 Concen: 24.978 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.4	113.0
184	29.8	24.0	36.0
145	31.3	25.3	37.9



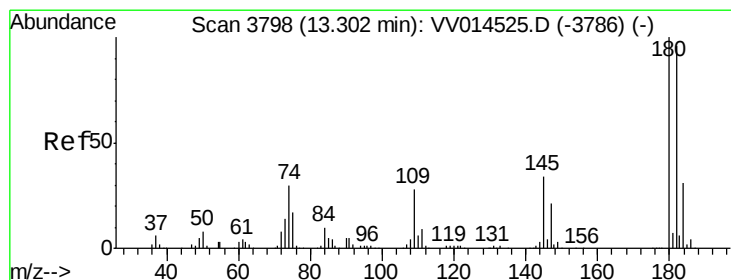
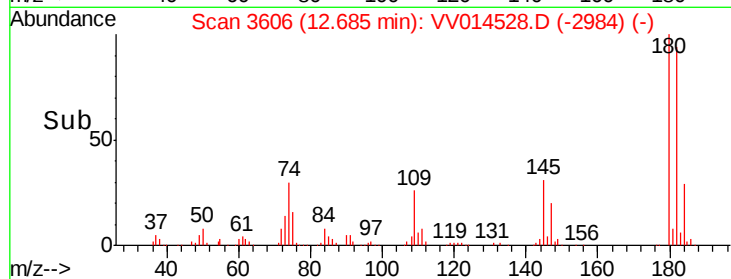
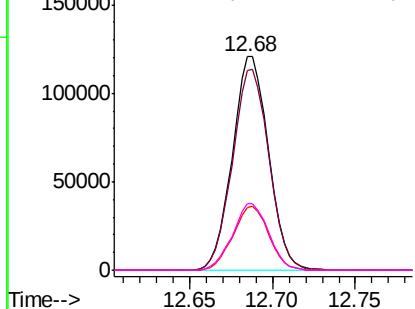
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

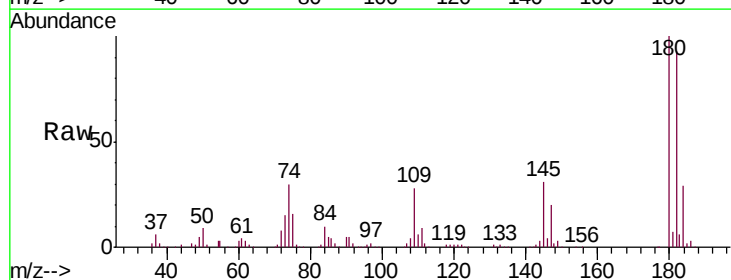
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.773 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014528.D
 Acq: 06 Feb 2020 20:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.7	115.1
145	31.7	26.8	40.2

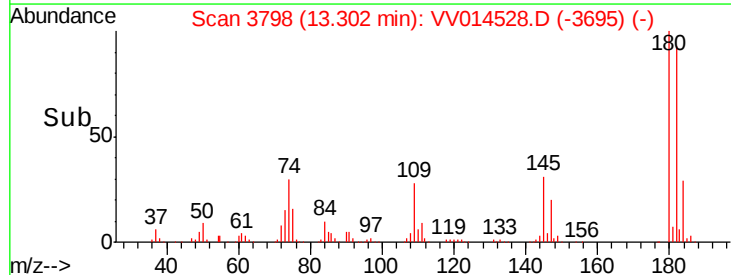
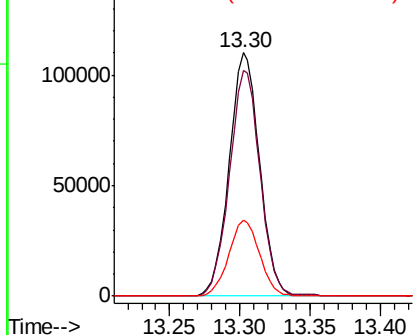


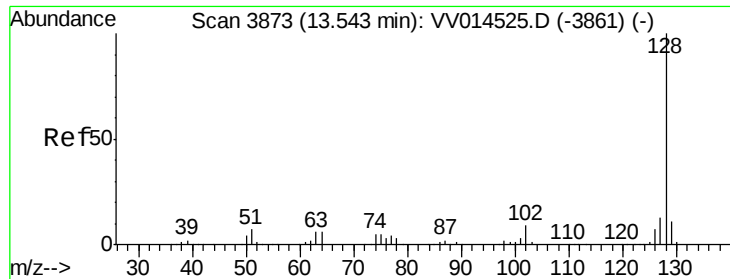
Abundance

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: 27.036 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

VICV66

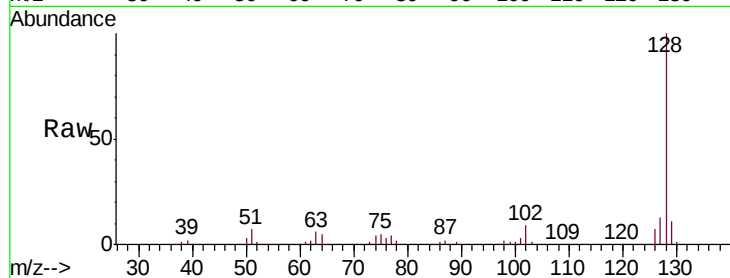
Tgt Ion:128 Resp: 402282

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

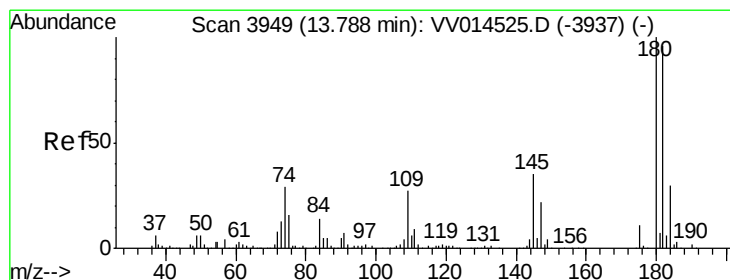
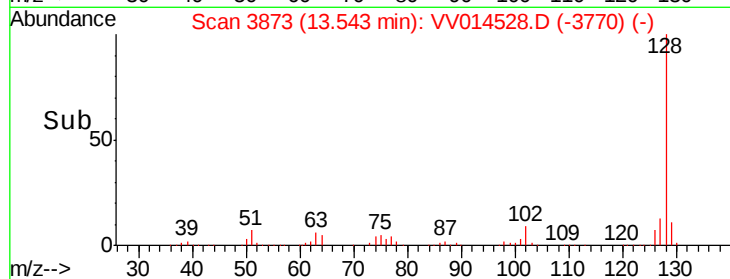
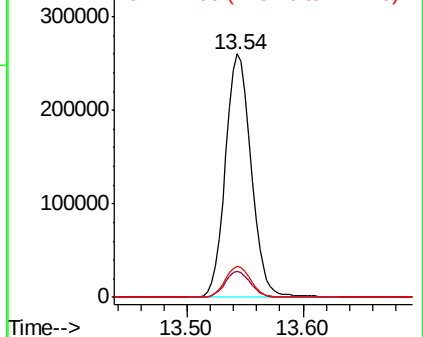
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.927 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014528.D

Acq: 06 Feb 2020 20:32

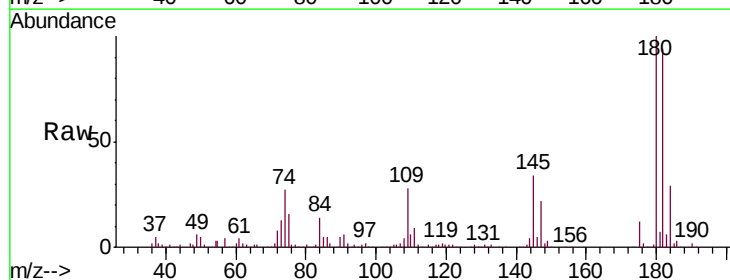
Tgt Ion:180 Resp: 152462

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

145 34.5 27.8 41.6



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

