

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019512.D
 Acq On : 10 Dec 2020 15:38
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Quant Time: Dec 11 02:24:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 15:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	710487	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	650503	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	310734	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	258705	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.56%
7) Chloroethane-d5	1.57	69	208775	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.92%
11) 1,1-Dichloroethene-d2	2.11	63	477402	50.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.98%
21) 2-Butanone-d5	3.89	46	307219	110.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.94%
24) Chloroform-d	4.35	84	484707	52.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.58%
26) 1,2-Dichloroethane-d4	5.04	65	324389	54.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.12%
32) Benzene-d6	5.05	84	915156	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
36) 1,2-Dichloropropane-d6	6.07	67	294096	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.32	98	803680	51.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.90%
43) trans-1,3-Dichloropropene-	7.62	79	166519	53.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.74%
47) 2-Hexanone-d5	8.09	63	238542	111.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.83%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	397883	54.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.26%
64) 1,2-Dichlorobenzene-d4	11.63	152	302645	52.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	277712	48.435	ug/L 99
3) Chloromethane	1.24	50	316040	51.856	ug/L 99
5) Vinyl chloride	1.31	62	311267	50.917	ug/L 99
6) Bromomethane	1.52	94	194111	52.874	ug/L 98
8) Chloroethane	1.59	64	191502	51.935	ug/L 99
9) Trichlorofluoromethane	1.76	101	367592	49.216	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	197848	47.966	ug/L 100
12) 1,1-Dichloroethene	2.12	96	213935	50.544	ug/L # 80
13) Acetone	2.18	43	249003	105.550	ug/L 97
14) Carbon disulfide	2.30	76	704471	50.653	ug/L 100
15) Methyl Acetate	2.43	43	283151	55.090	ug/L 100
16) Methylene chloride	2.51	84	257813	51.951	ug/L 100
17) trans-1,2-Dichloroethene	2.77	96	243741	52.538	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	868842	53.596	ug/L 100
19) 1,1-Dichloroethane	3.19	63	469866	52.241	ug/L 100
20) cis-1,2-Dichloroethene	3.92	96	268654	52.678	ug/L 99
22) 2-Butanone	3.97	43	395881	114.401	ug/L 99

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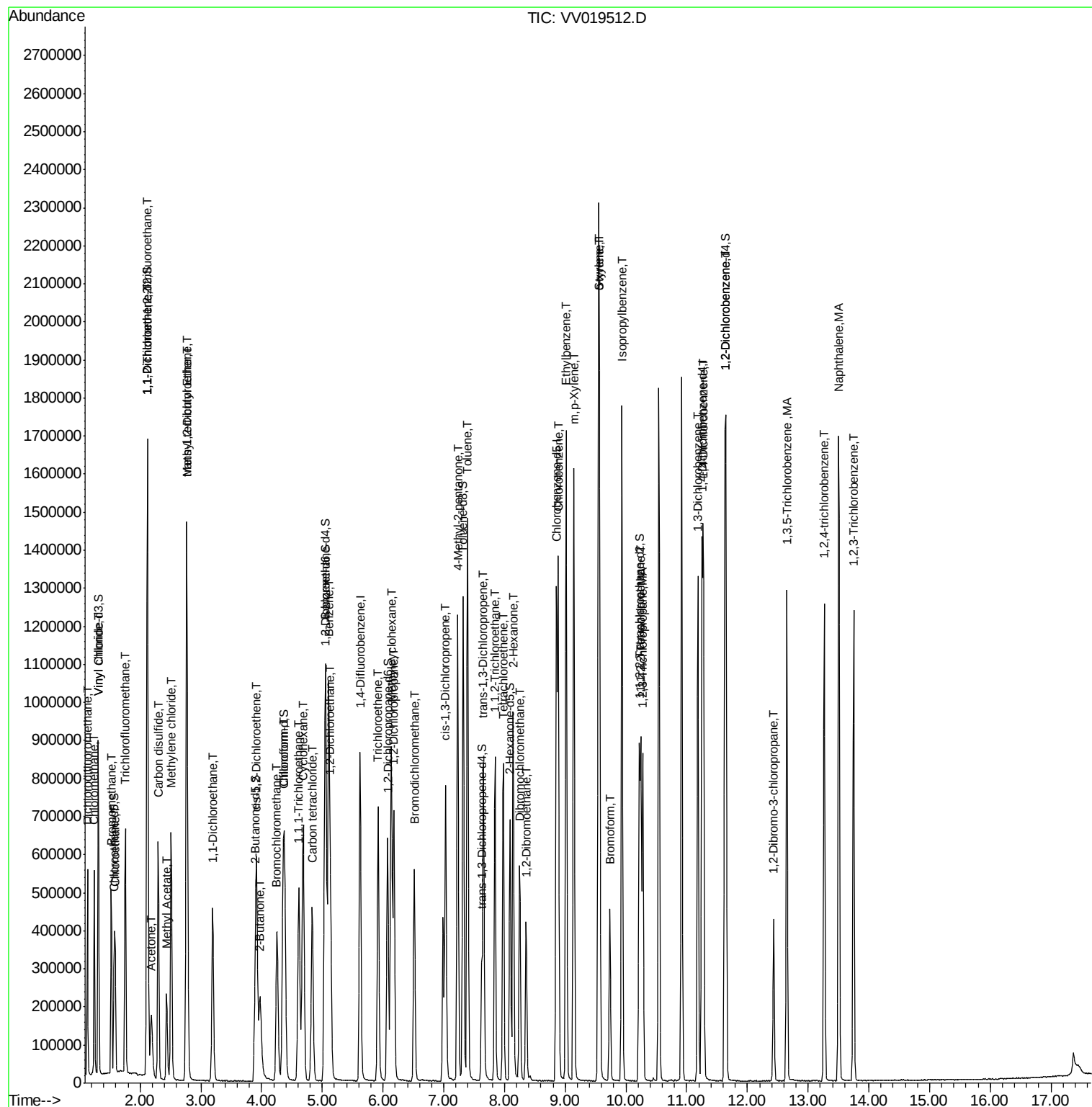
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	131230	52.297	ug/L	99
25) Chloroform	4.38	83	469060	52.217	ug/L	99
27) 1,2-Dichloroethane	5.14	62	400154	53.771	ug/L	99
29) Cyclohexane	4.68	56	384890	48.276	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	416928	51.116	ug/L	99
31) Carbon tetrachloride	4.83	117	341844	49.647	ug/L	98
33) Benzene	5.10	78	997850	52.487	ug/L	100
34) Trichloroethene	5.92	95	254359	50.648	ug/L	99
35) Methylcyclohexane	6.14	83	370285	48.533	ug/L	99
37) 1,2-Dichloropropane	6.18	63	266157	53.609	ug/L	100
38) Bromodichloromethane	6.51	83	370751	53.403	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	452585	54.886	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	797301	111.311	ug/L	100
42) Toluene	7.39	91	1026710	51.240	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	446546	53.482	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	253599	53.789	ug/L	99
46) Tetrachloroethene	7.98	164	171845	49.451	ug/L	98
48) 2-Hexanone	8.14	43	606649	111.619	ug/L	99
49) Dibromochloromethane	8.25	129	277187	53.685	ug/L	98
50) 1,2-Dibromoethane	8.36	107	269459	54.273	ug/L	100
51) Chlorobenzene	8.88	112	662037	51.732	ug/L	100
52) Ethylbenzene	9.02	91	1150429	50.392	ug/L	100
53) m,p-Xylene	9.14	106	426630	50.021	ug/L	100
54) o-xylene	9.55	106	425409	50.887	ug/L	100
55) Styrene	9.56	104	750448	51.506	ug/L	99
56) Isopropylbenzene	9.94	105	1105473	49.637	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	407819	53.788	ug/L	98
59) 1,2,3-Trichloropropane	10.28	75	331539	53.687	ug/L	100
61) Bromoform	9.74	173	190786	55.489	ug/L	99
62) 1,3-Dichlorobenzene	11.18	146	492889	51.700	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	495749	51.352	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	496599	52.715	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	109824	55.849	ug/L	96
67) 1,3,5-Trichlorobenzene	12.65	180	348192	51.693	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	335262	53.233	ug/L	99
69) Naphthalene	13.50	128	1248191	57.077	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	333767	54.230	ug/L	99

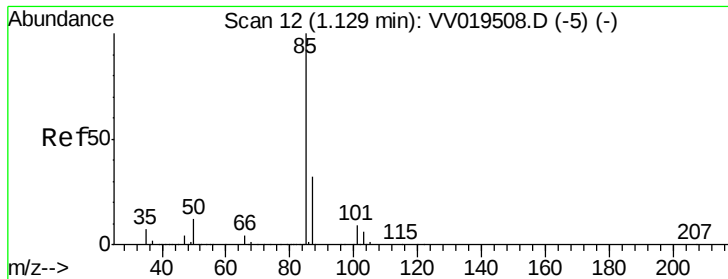
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.435 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

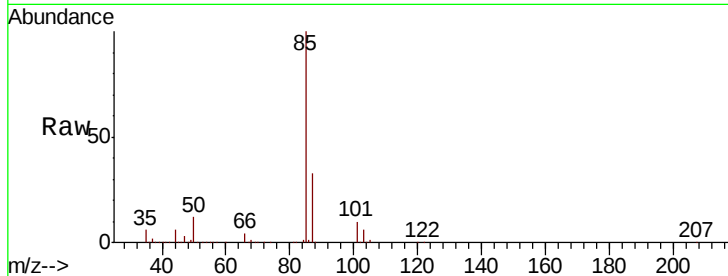
VICV65

Tot Ion: 85 Resp: 277712

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

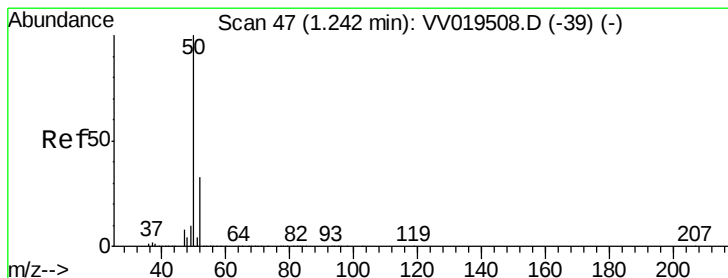
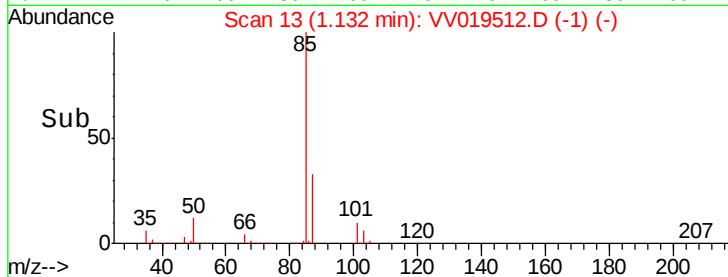
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200000

100000

0

Time-->



#3

Chloromethane

Concen: 51.856 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019512.D

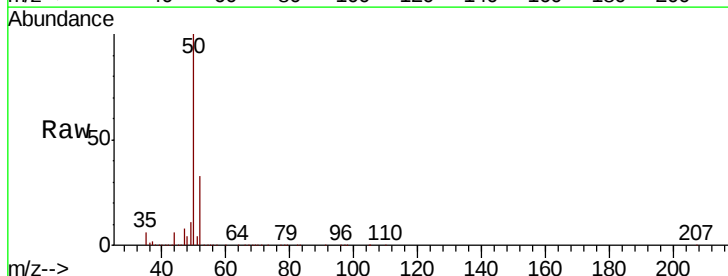
Acq: 10 Dec 2020 15:38

Tgt Ion: 50 Resp: 316040

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.24

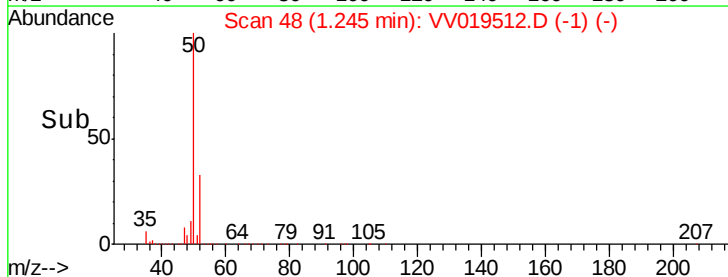
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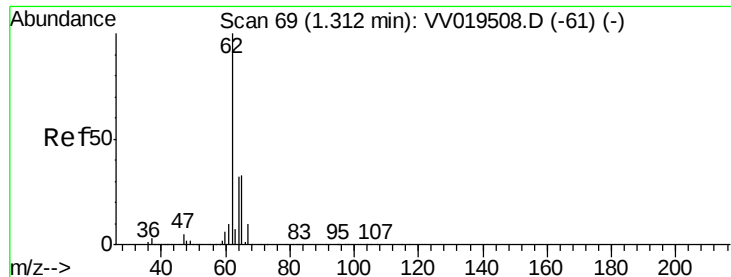
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 50.917 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

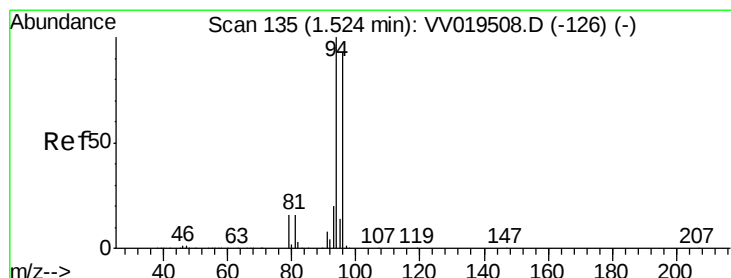
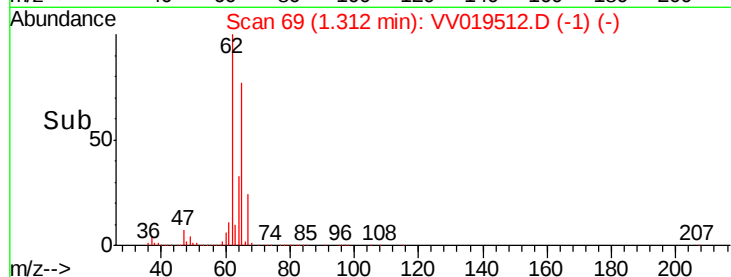
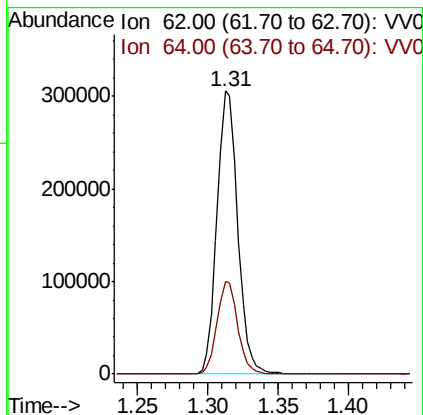
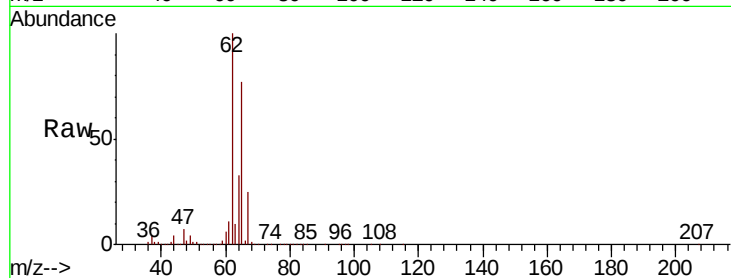
VICV65

Tot Ion: 62 Resp: 311267

Ion Ratio Lower Upper

62 100

64 32.6 22.5 41.7



#6

Bromomethane

Concen: 52.874 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019512.D

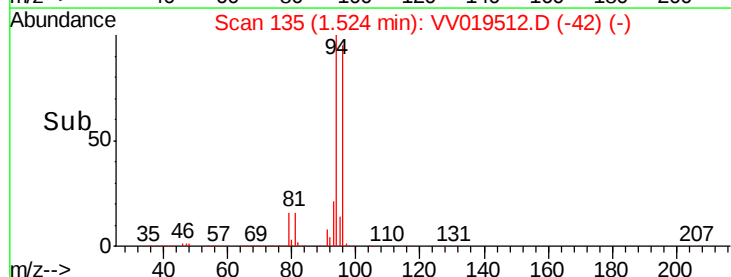
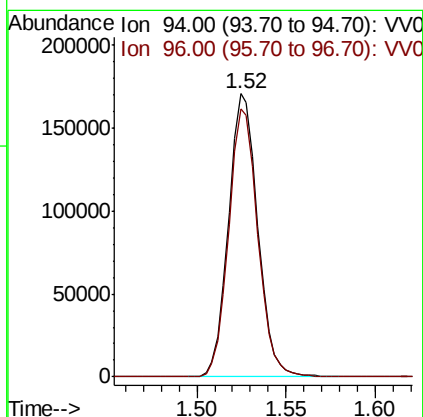
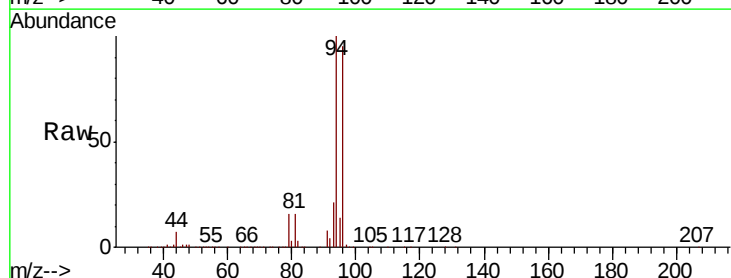
Acq: 10 Dec 2020 15:38

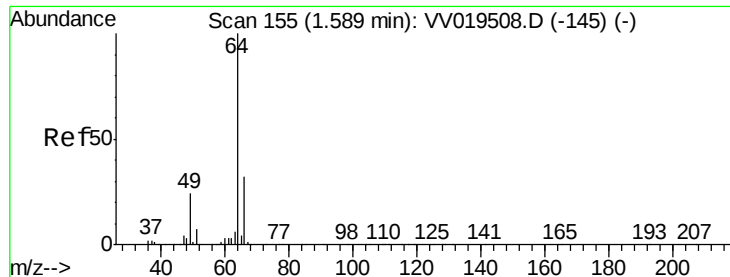
Tgt Ion: 94 Resp: 194111

Ion Ratio Lower Upper

94 100

96 94.8 65.2 121.2

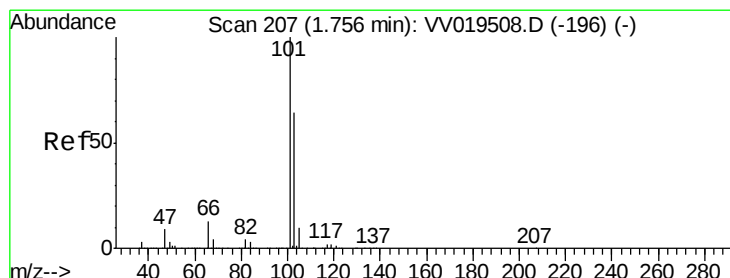
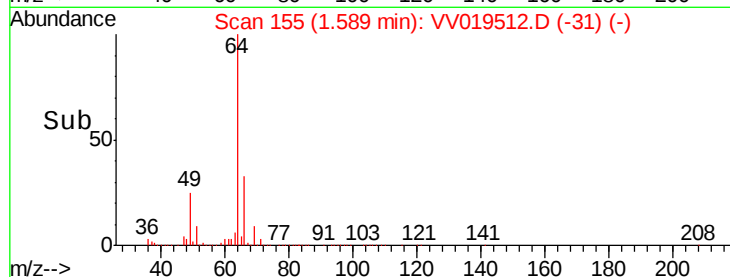
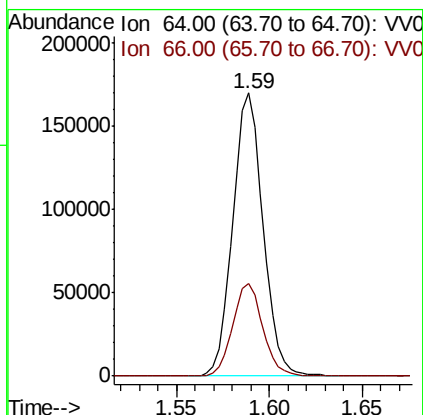
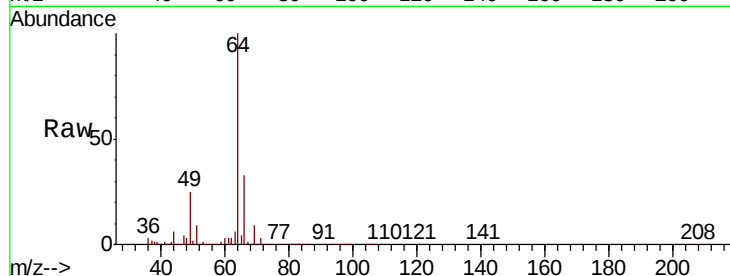




#8
Chloroethane
Concen: 51.935 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

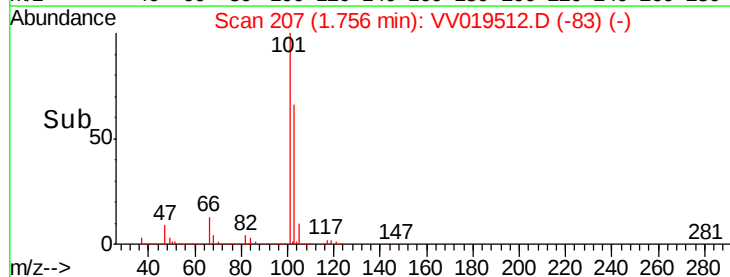
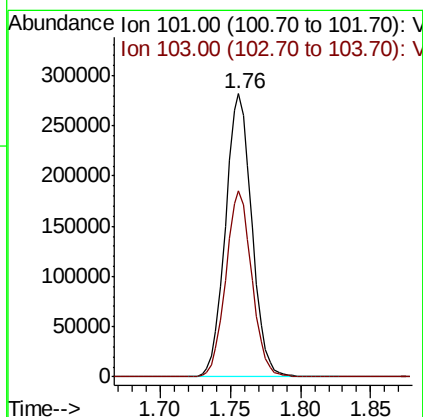
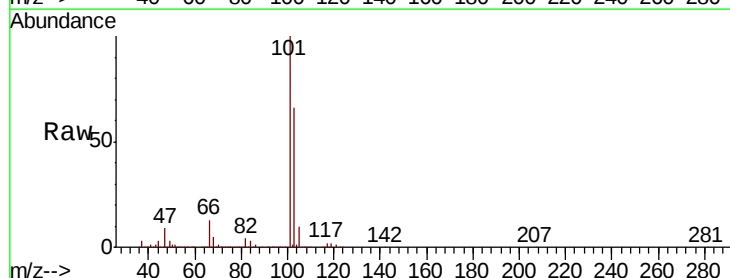
Instrument :
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VICV65

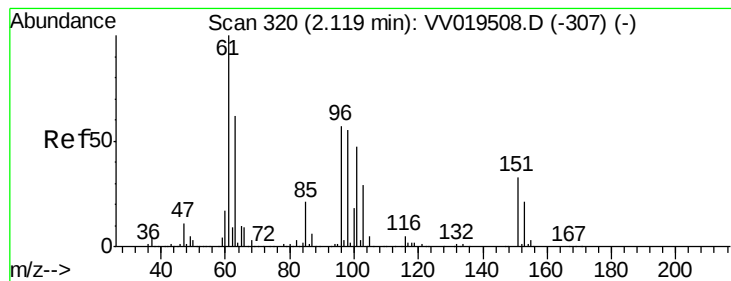
Tot Ion: 64 Resp: 191502
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 49.216 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion: 101 Resp: 367592
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4





#10

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

Concen: 47.966 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

VICV65

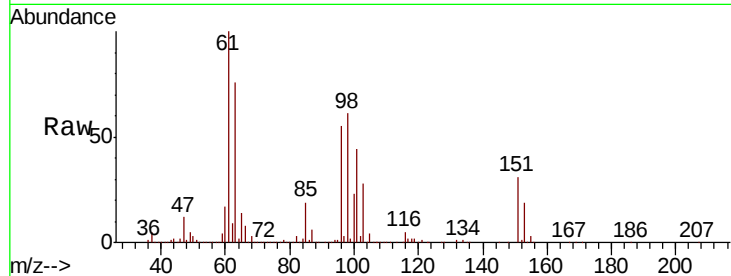
Tot Ion:101 Resp: 197848

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.4

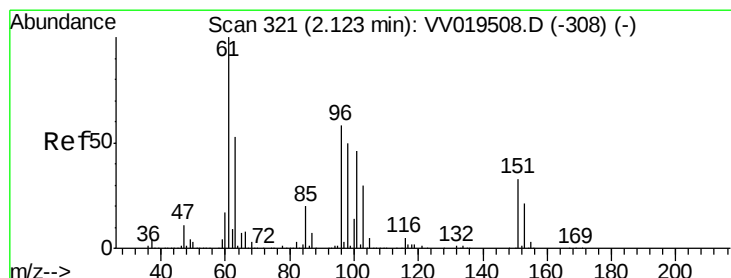
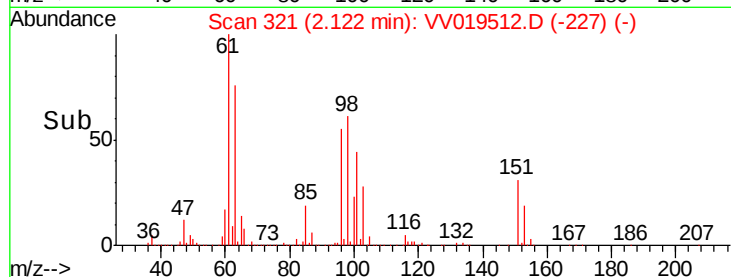
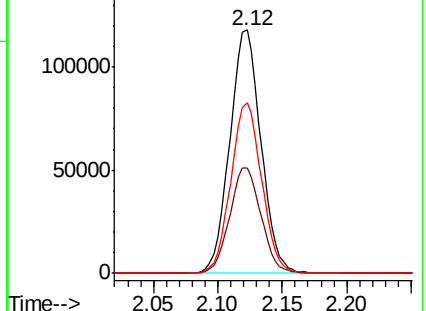
151 69.6 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019512.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019512.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019512.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 50.544 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

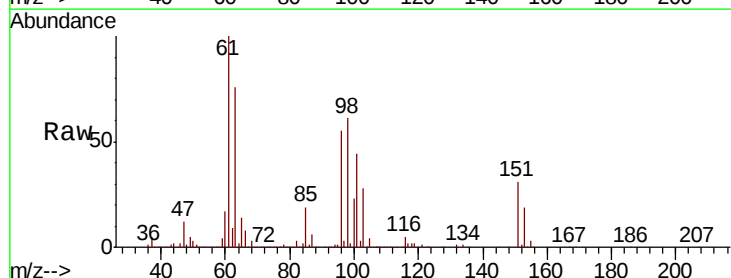
Tgt Ion: 96 Resp: 213935

Ion Ratio Lower Upper

96 100

61 180.5 120.7 224.1

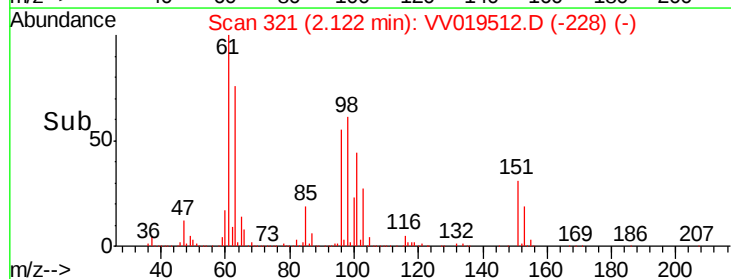
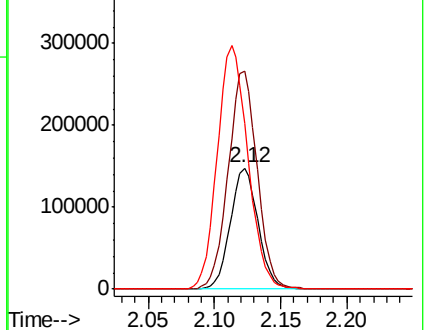
63 136.9 64.3 119.5#

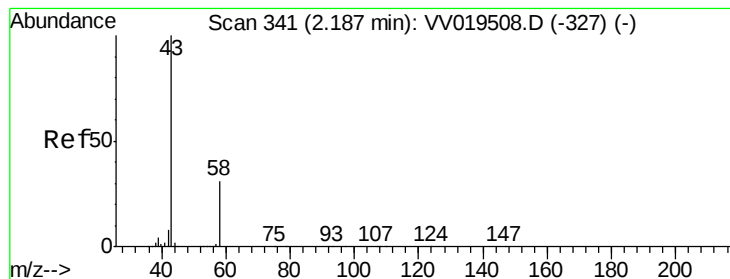


Abundance Ion 96.00 (95.70 to 96.70): VV019512.D (-228) (-)

Ion 61.00 (60.70 to 61.70): VV019512.D (-228) (-)

Ion 63.00 (62.70 to 63.70): VV019512.D (-228) (-)





#13

Acetone

Concen: 105.550 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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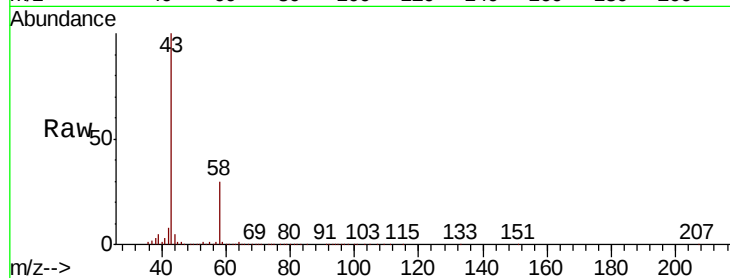
VICV65

Tot Ion: 43 Resp: 249003

Ion Ratio Lower Upper

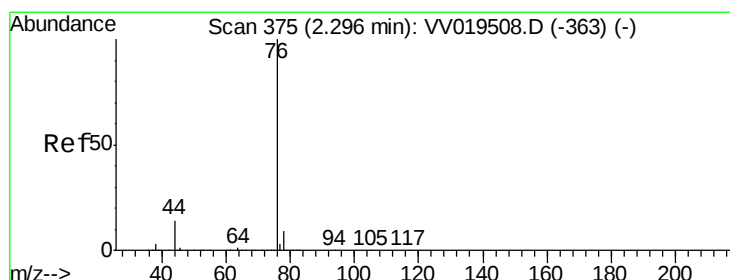
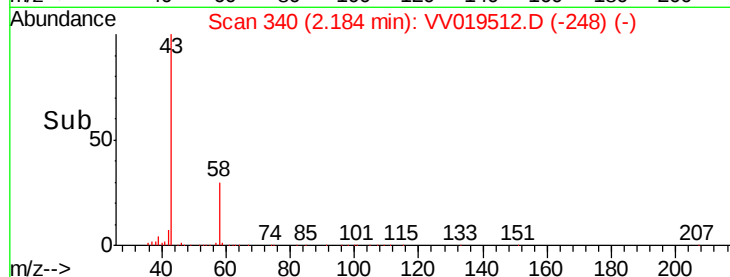
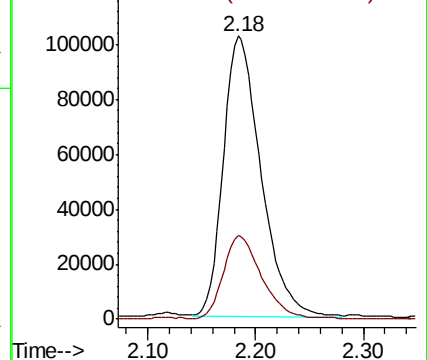
43 100

58 29.4 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019512.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV019512.D (-248) (-)



#14

Carbon disulfide

Concen: 50.653 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV019512.D

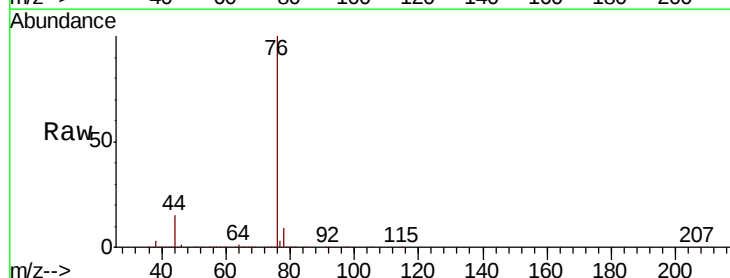
Acq: 10 Dec 2020 15:38

Tgt Ion: 76 Resp: 704471

Ion Ratio Lower Upper

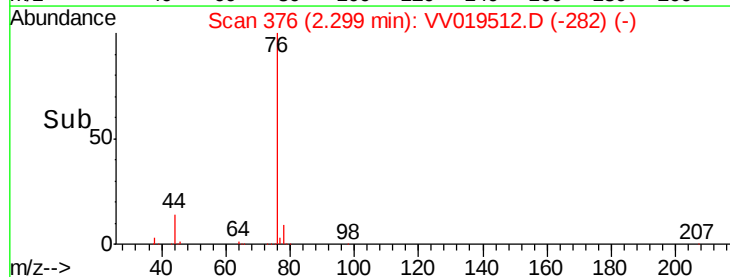
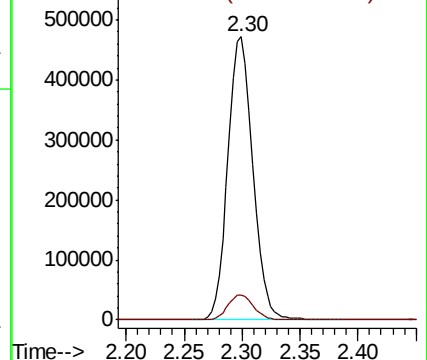
76 100

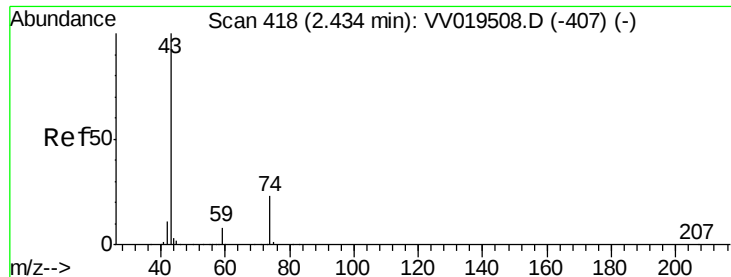
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019512.D (-282) (-)

Ion 78.00 (77.70 to 78.70): VV019512.D (-282) (-)

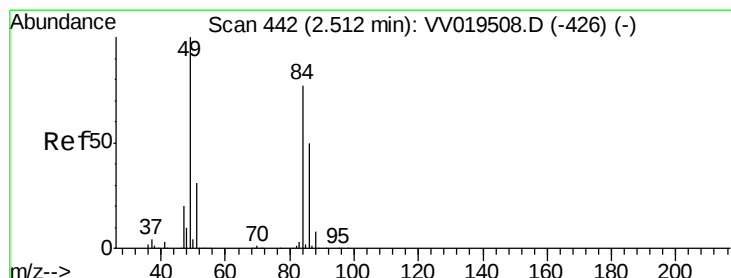
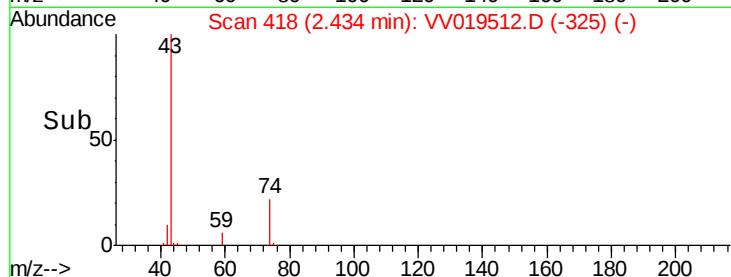
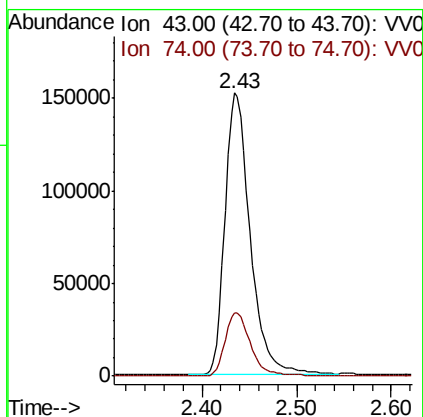
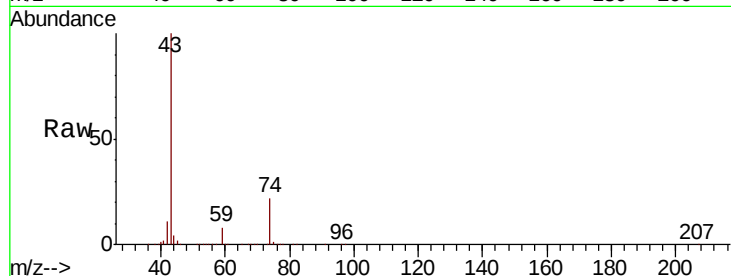




#15
Methvl Acetate
Concen: 55.090 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

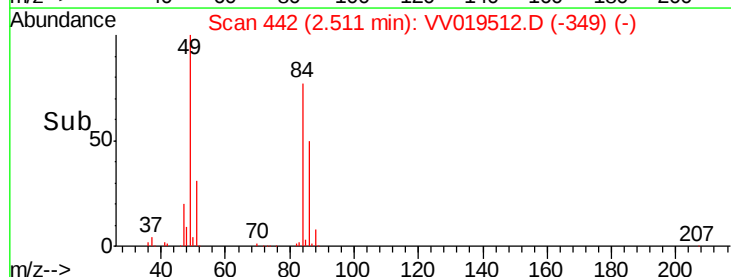
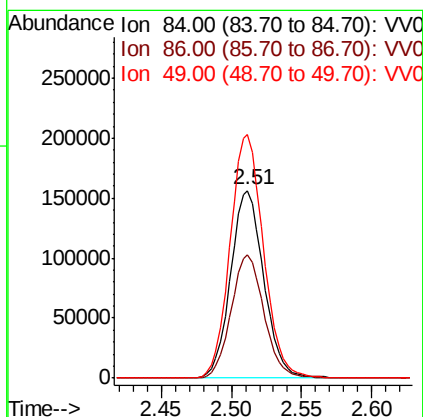
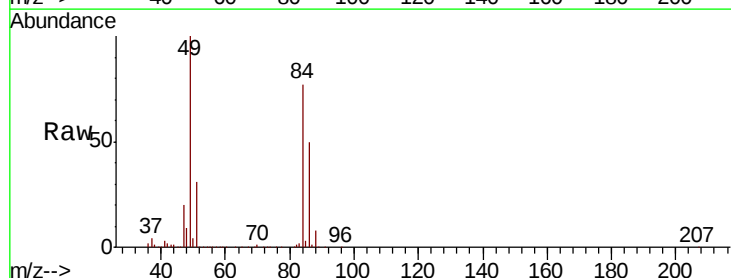
Instrument :
MSVOA_V
ClientSampleId :
VICV65

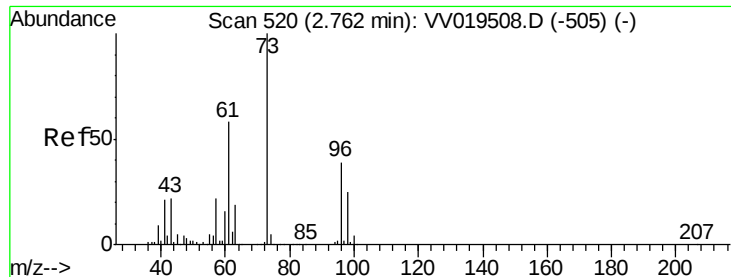
Tot Ion: 43 Resp: 283151
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



#16
Methylene chloride
Concen: 51.951 ug/L
RT: 2.51 min Scan# 442
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion: 84 Resp: 257813
Ion Ratio Lower Upper
84 100
86 65.5 45.7 84.9
49 129.8 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 52.538 ug/L

RT: 2.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampled :

VICV65

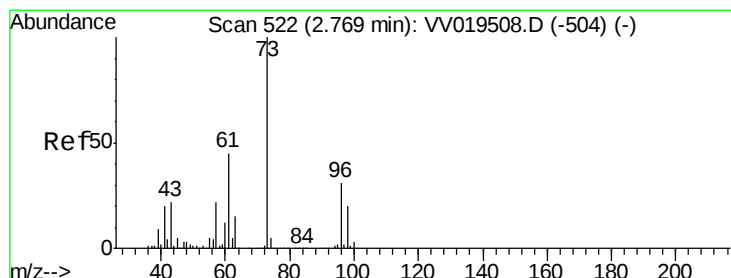
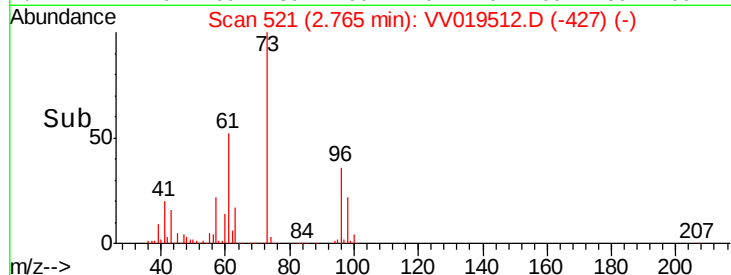
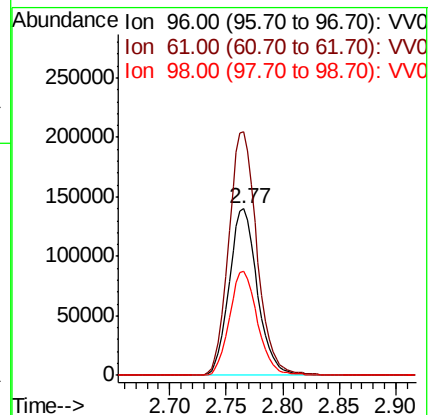
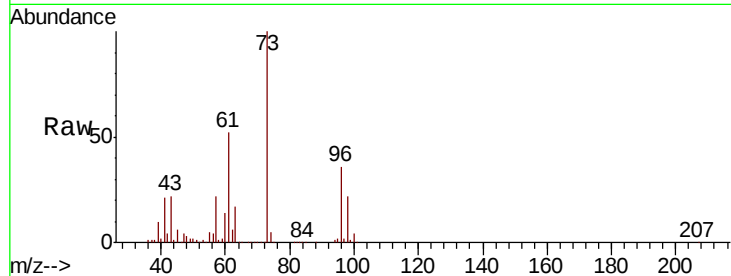
Tot Ion: 96 Resp: 243741

Ion Ratio Lower Upper

96 100

61 146.3 103.5 192.1

98 62.5 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 53.596 ug/L

RT: 2.77 min Scan# 522

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

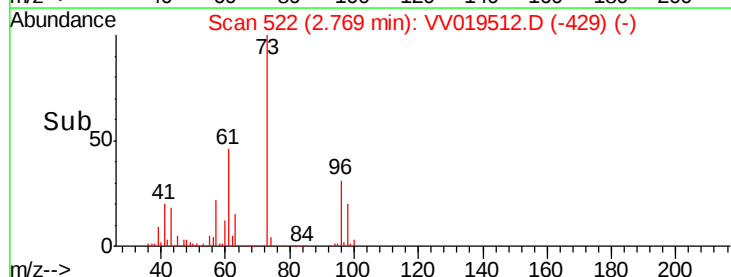
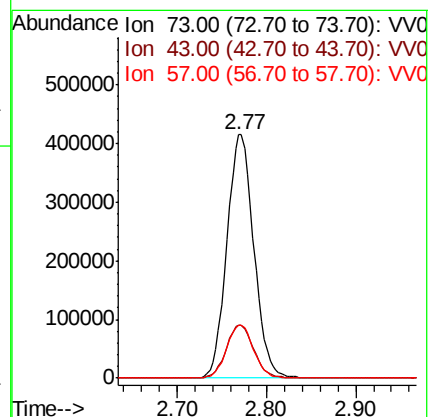
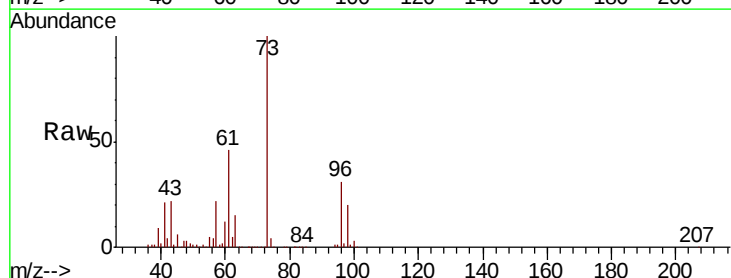
Tgt Ion: 73 Resp: 868842

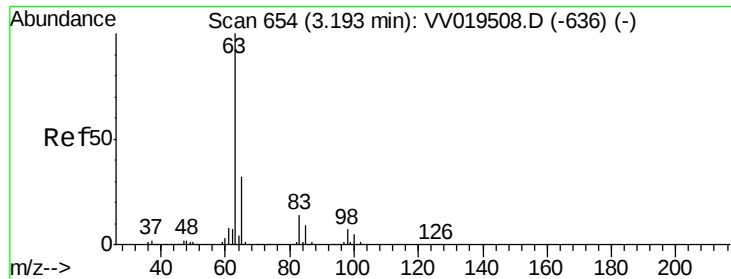
Ion Ratio Lower Upper

73 100

43 21.8 17.3 25.9

57 21.9 17.5 26.3

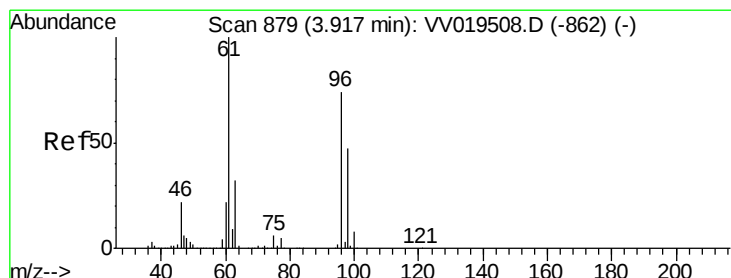
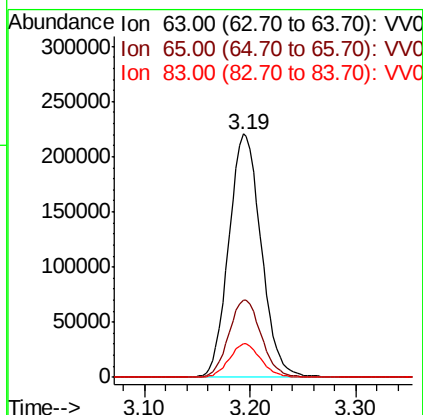
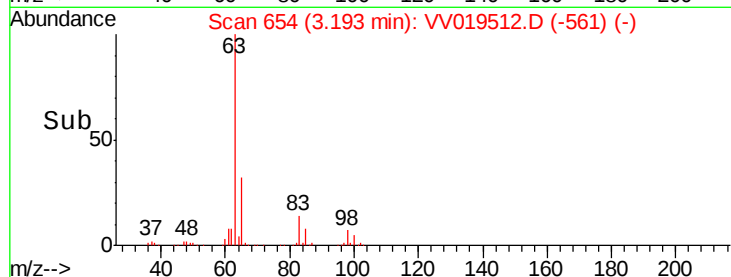
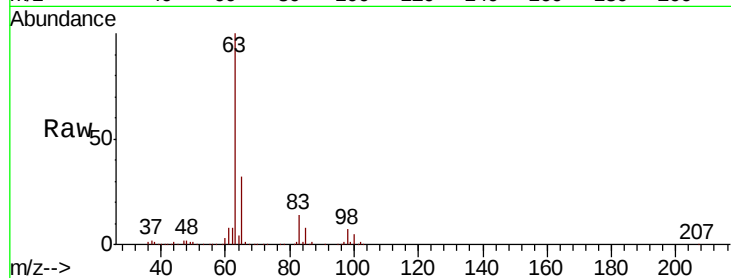




#19
 1,1-Dichloroethane
 Concen: 52.241 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

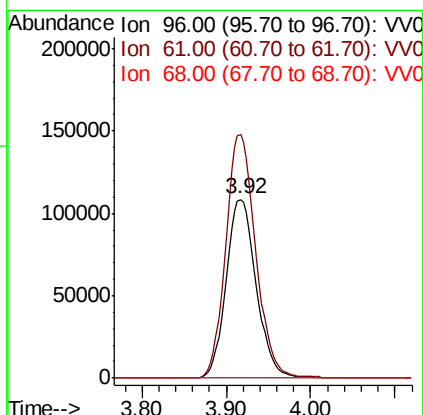
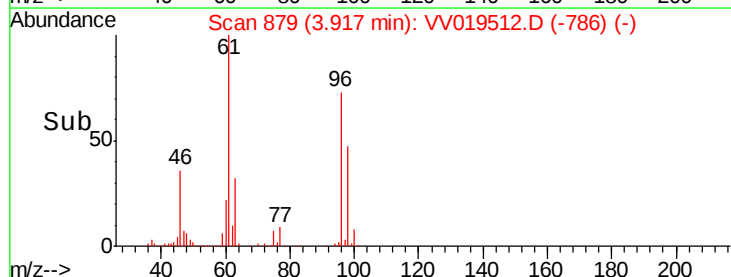
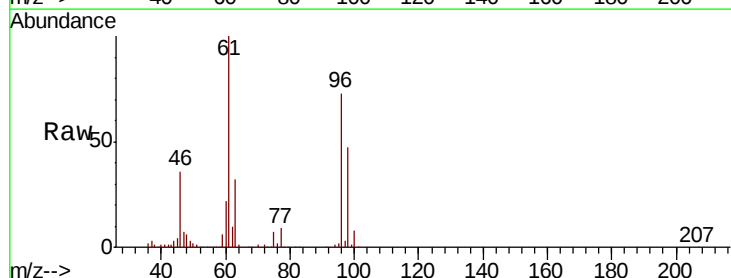
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

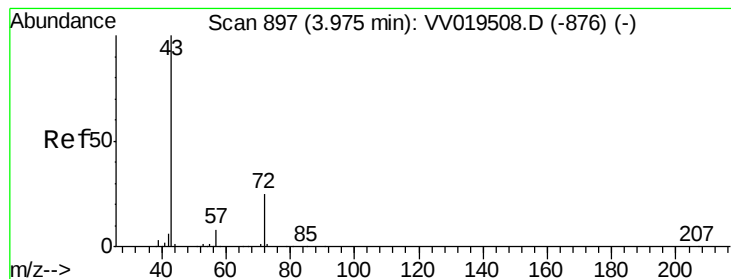
Tot Ion: 63 Resp: 469866
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 13.8 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 52.678 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Tgt Ion: 96 Resp: 268654
 Ion Ratio Lower Upper
 96 100
 61 136.1 94.1 174.8
 68 0.1 0.1 0.1





#22

2-Butanone

Concen: 114.401 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampled :

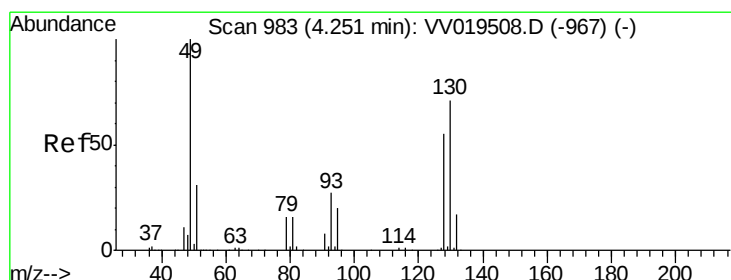
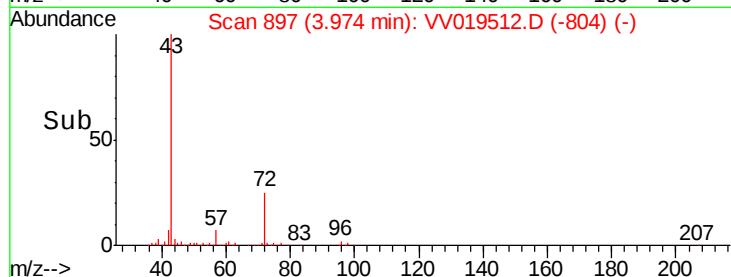
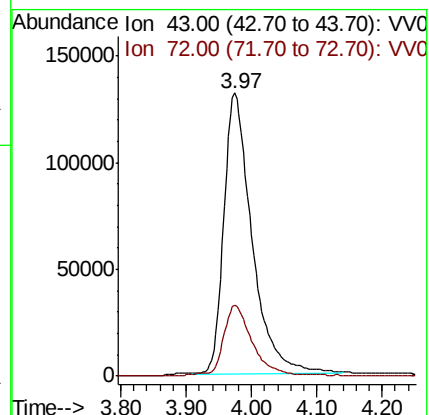
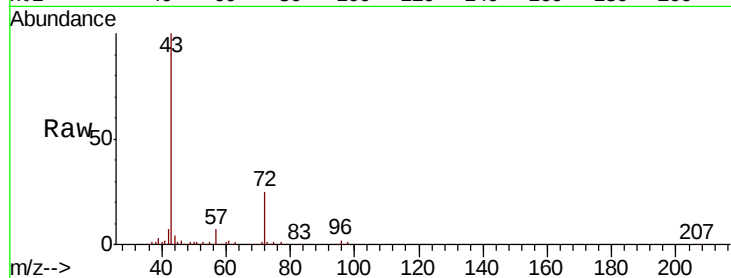
VICV65

Tot Ion: 43 Resp: 395881

Ion Ratio Lower Upper

43 100

72 24.0 12.3 36.9



#23

Bromochloromethane

Concen: 52.297 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Tgt Ion:128 Resp: 131230

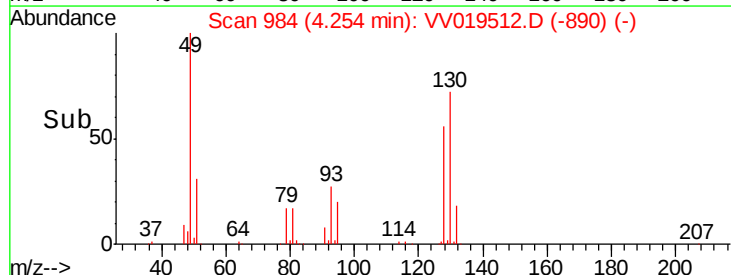
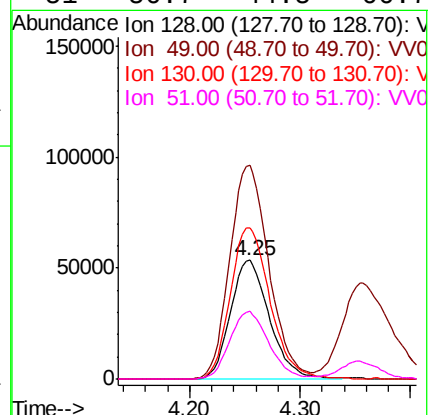
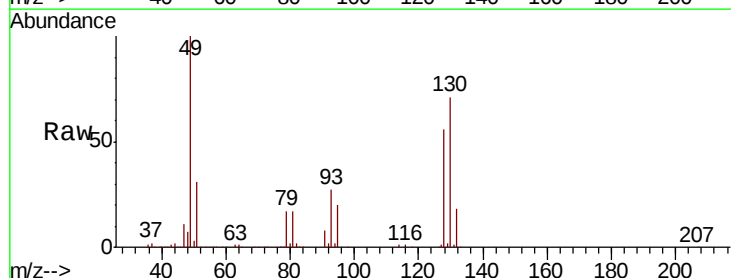
Ion Ratio Lower Upper

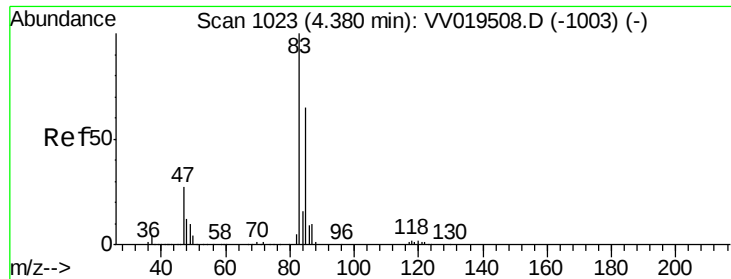
128 100

49 180.0 127.0 235.8

130 127.7 90.3 167.7

51 56.7 44.5 66.7

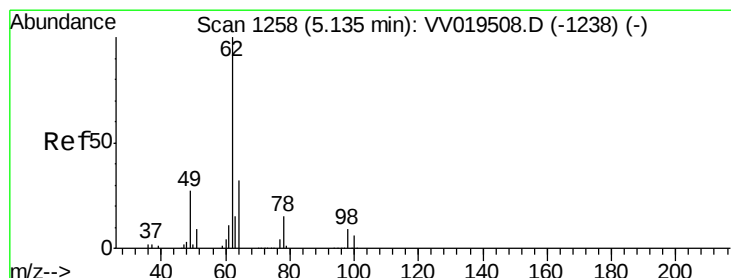
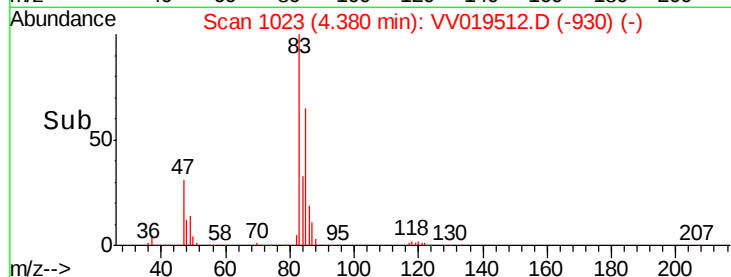
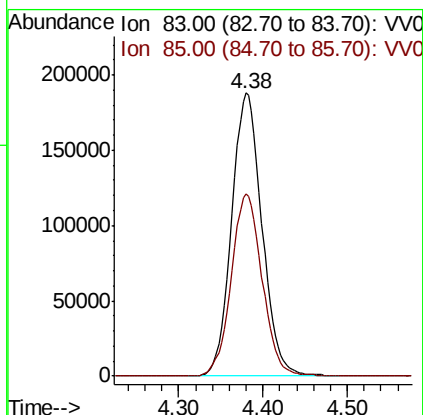
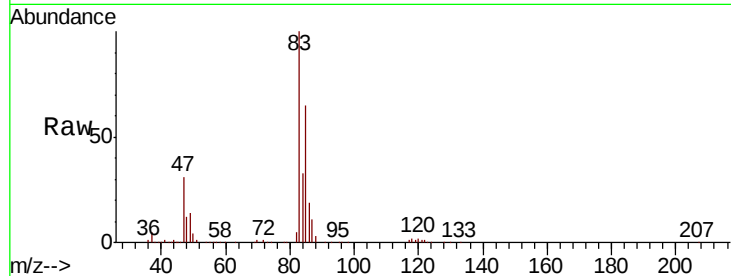




#25
Chloroform
Concen: 52.217 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

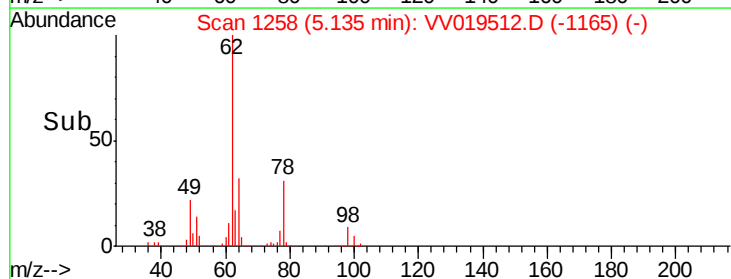
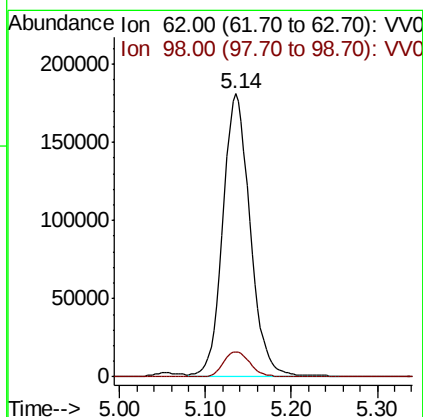
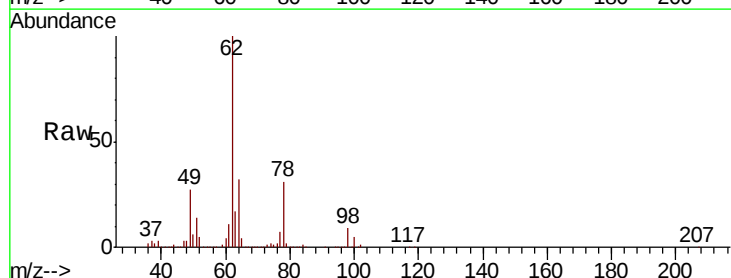
Instrument :
MSVOA_V
ClientSampleId :
VICV65

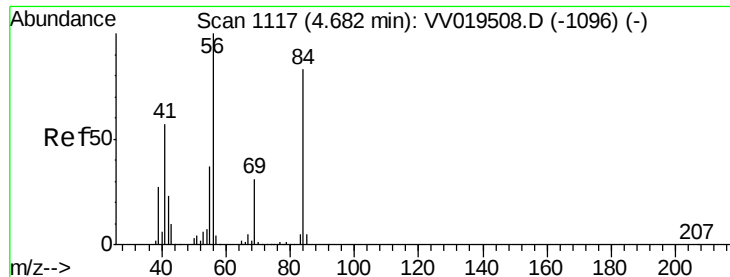
Tot Ion: 83 Resp: 469060
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 53.771 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion: 62 Resp: 400154
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

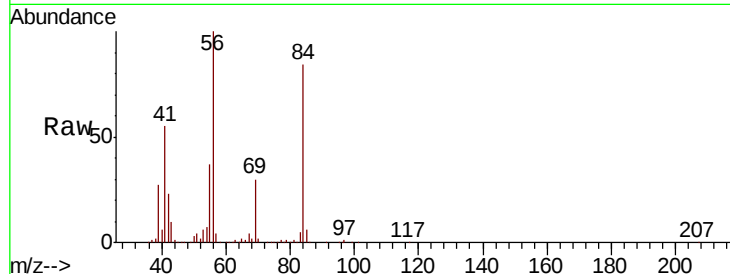




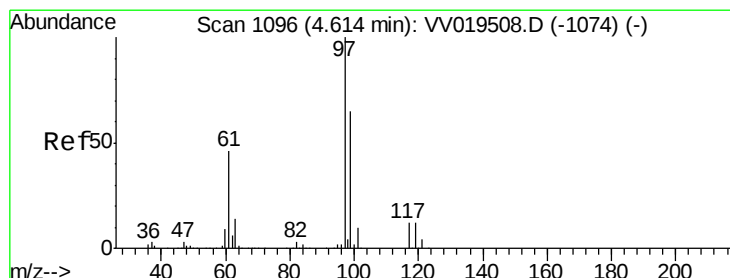
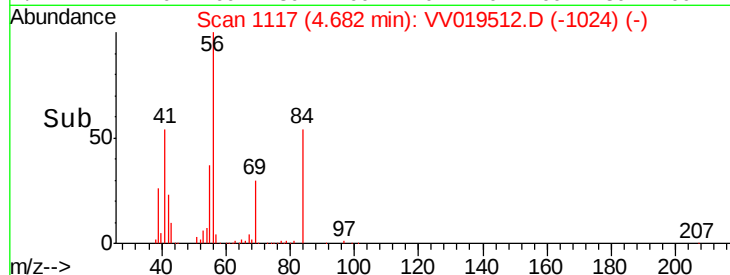
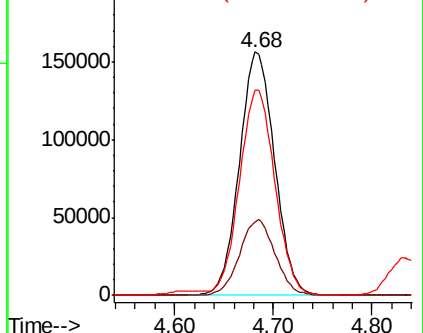
#29
Cvclohexane
Concen: 48.276 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.6	37.0
84	84.8	68.2	102.4

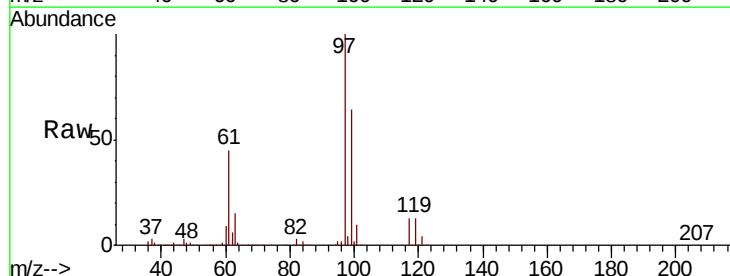


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

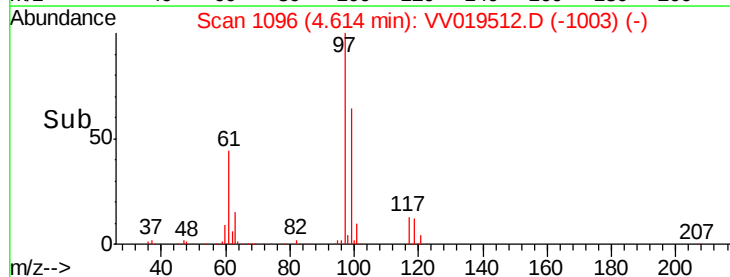
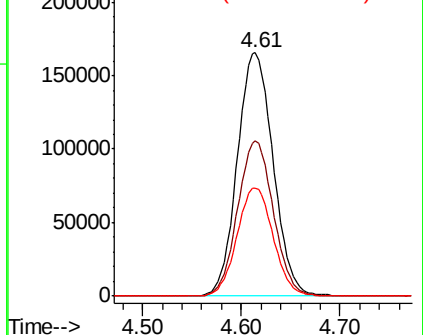


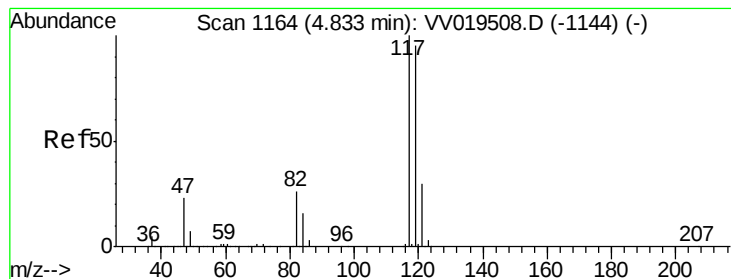
#30
1,1,1-Trichloroethane
Concen: 51.116 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	45.0	36.3	54.5



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: 49.647 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

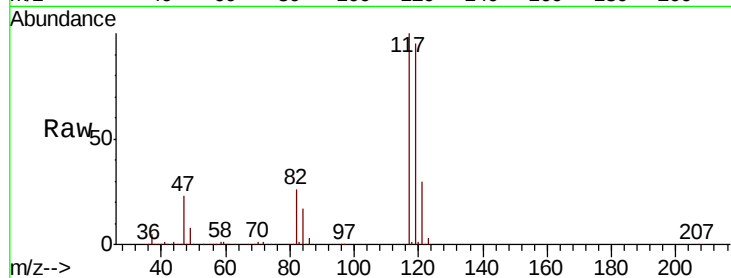
VICV65

Tot Ion:117 Resp: 341844

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

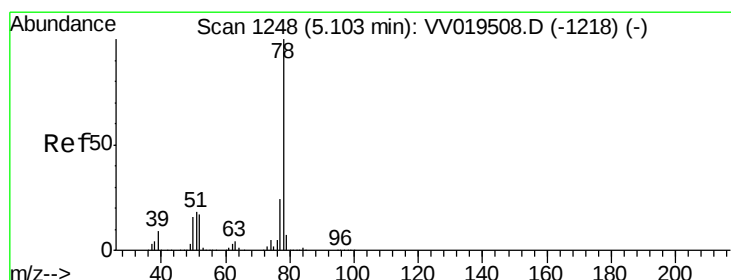
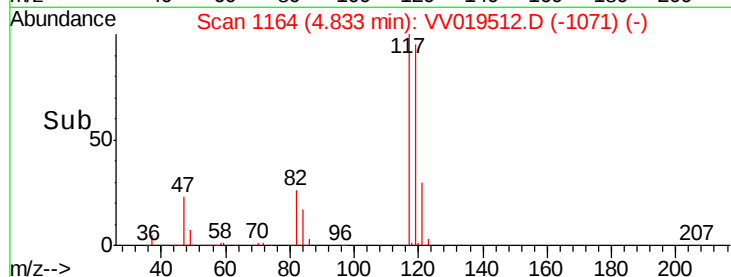
50000

0

4.83

4.70 4.80 4.90

Time-->



#33

Benzene

Concen: 52.487 ug/L

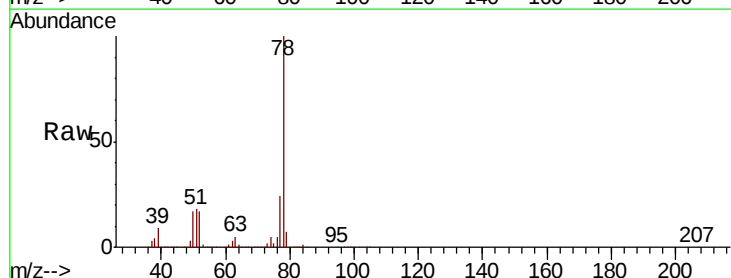
RT: 5.10 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Tgt Ion: 78 Resp: 997850



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

200000

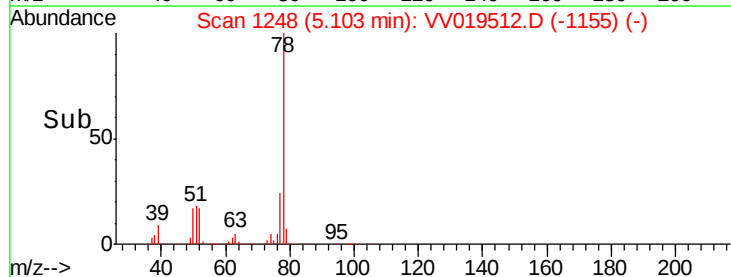
100000

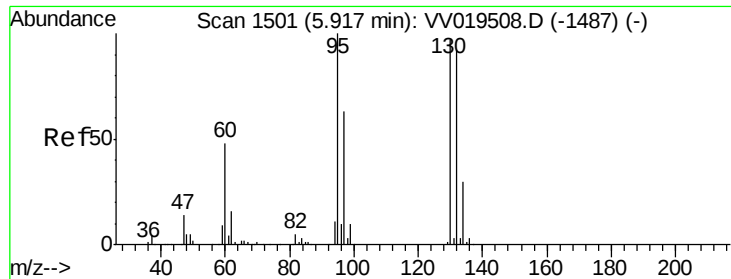
0

5.10

5.00 5.10 5.20

Time-->

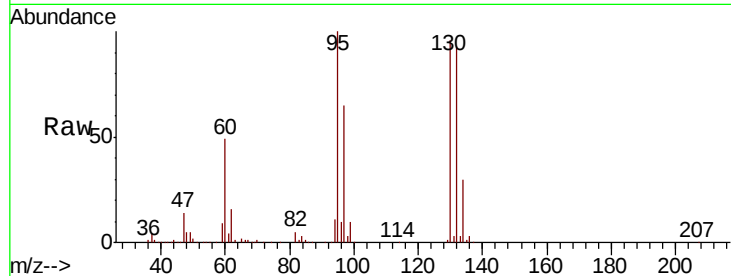




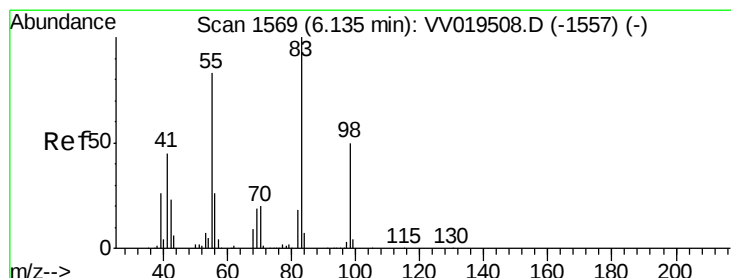
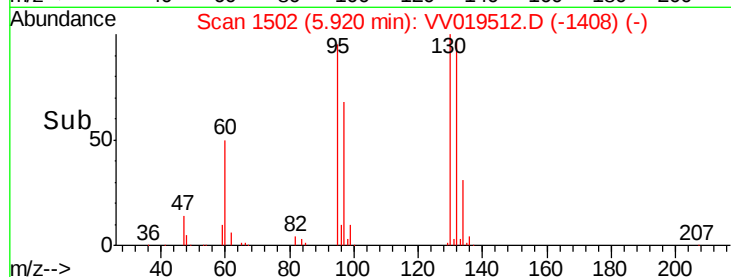
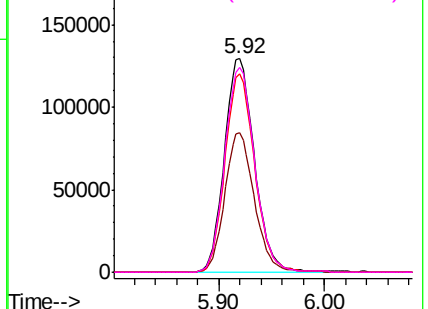
#34
 Trichloroethene
 Concen: 50.648 ug/L
 RT: 5.92 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tot Ion:	95	Resp:	254359
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.4	82.4
132	92.7	64.3	119.3
130	96.0	67.8	125.8

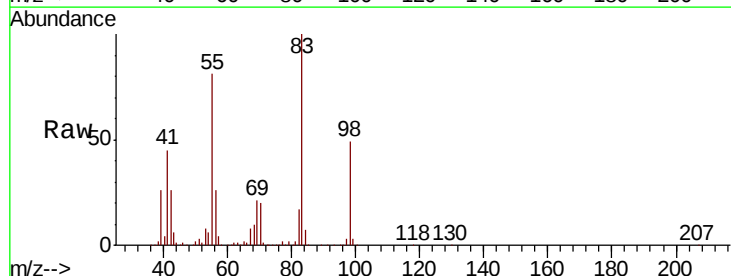


Abundance Ion 95.00 (94.70 to 95.70): VV019512.D (-1487) (-)
 Ion 97.00 (96.70 to 97.70): VV019512.D (-1487) (-)
 Ion 132.00 (131.70 to 132.70): VV019512.D (-1487) (-)
 Ion 130.00 (129.70 to 130.70): VV019512.D (-1487) (-)

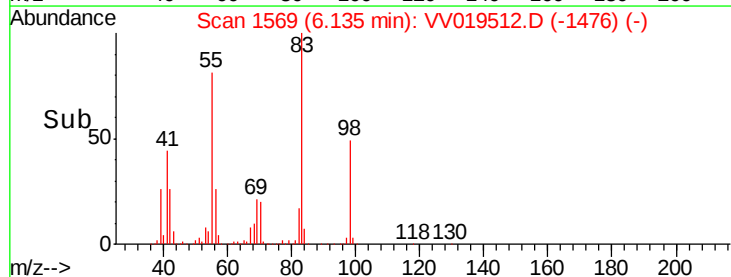
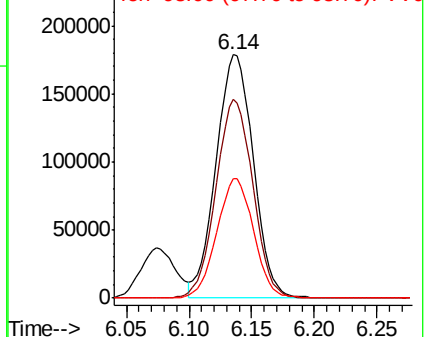


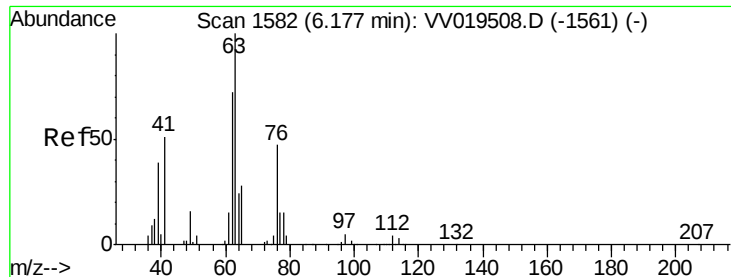
#35
 Methylcyclohexane
 Concen: 48.533 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Tgt Ion:	83	Resp:	370285
Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.2	96.4
98	48.4	39.3	58.9



Abundance Ion 83.00 (82.70 to 83.70): VV019512.D (-1476) (-)
 Ion 55.00 (54.70 to 55.70): VV019512.D (-1476) (-)
 Ion 98.00 (97.70 to 98.70): VV019512.D (-1476) (-)

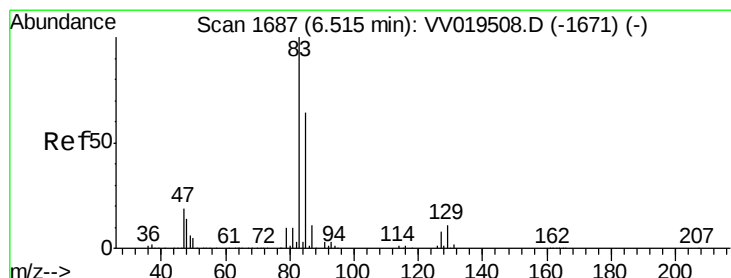
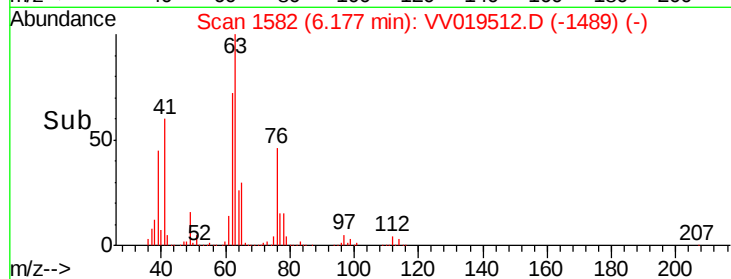
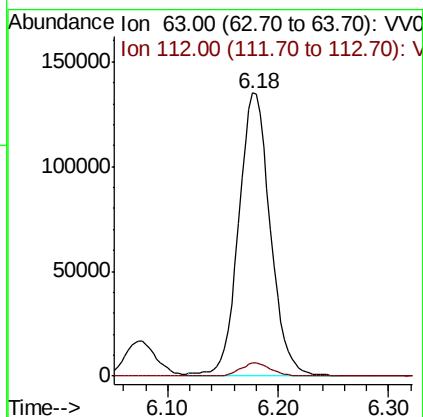
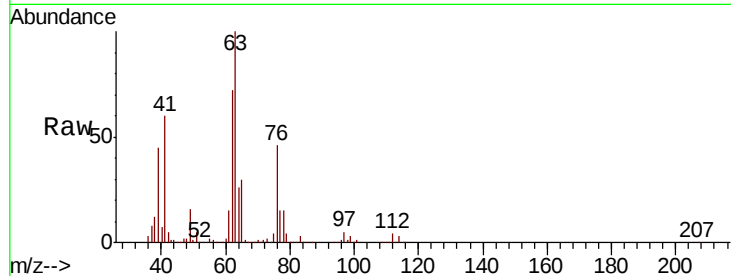




#37
 1,2-Dichloropropane
 Concen: 53.609 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

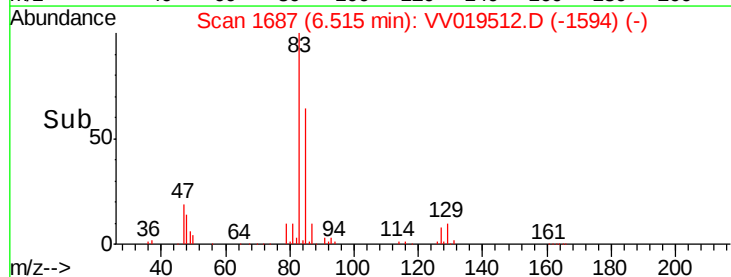
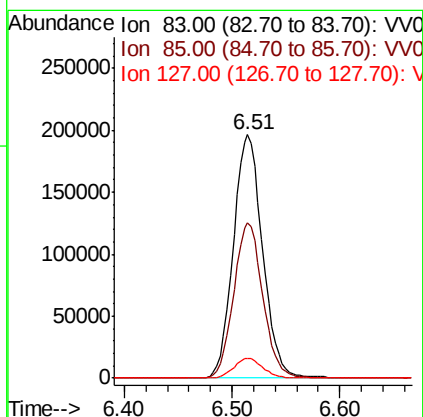
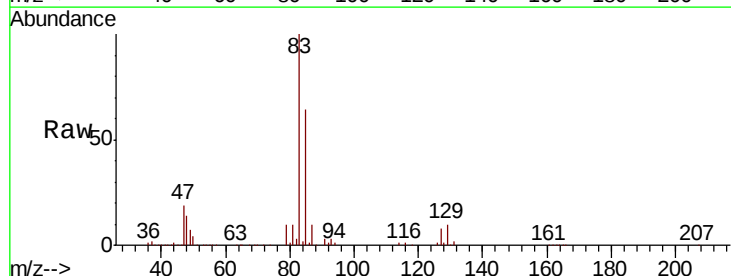
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

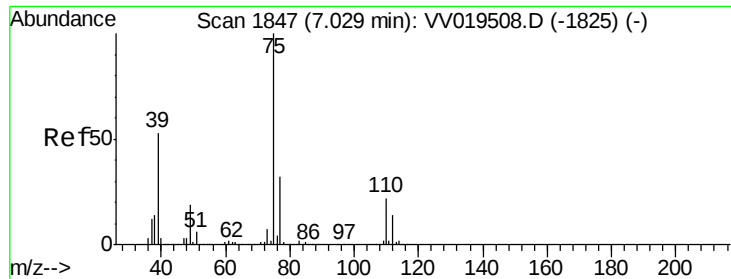
Tot Ion: 63 Resp: 266157
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 53.403 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Tgt Ion: 83 Resp: 370751
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.9 83.5
 127 8.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 54.886 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampled :

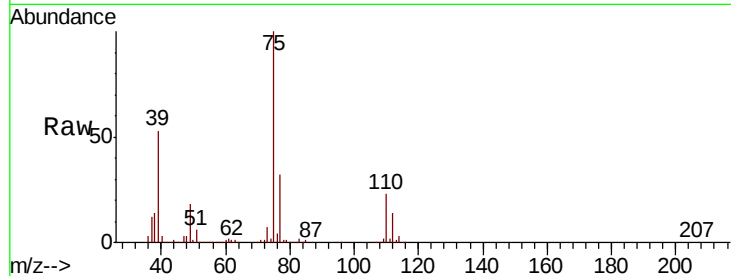
VICV65

Tot Ion: 75 Resp: 452585

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

100000

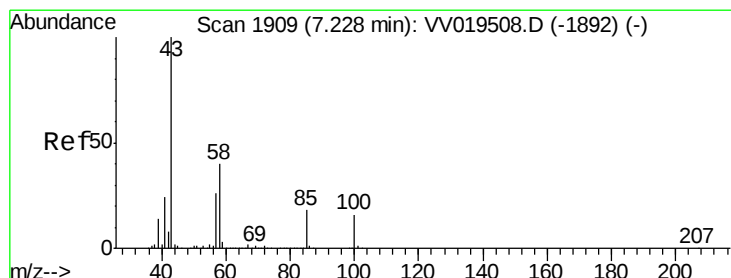
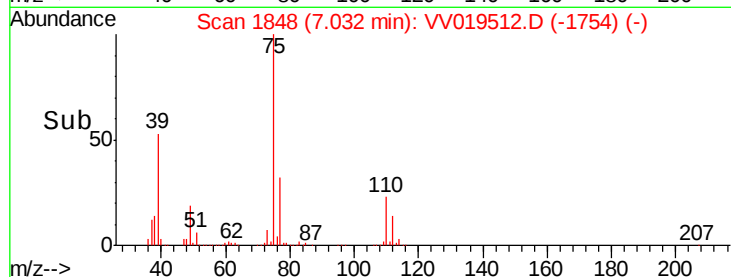
50000

0

7.03

6.90 7.00 7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 111.311 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

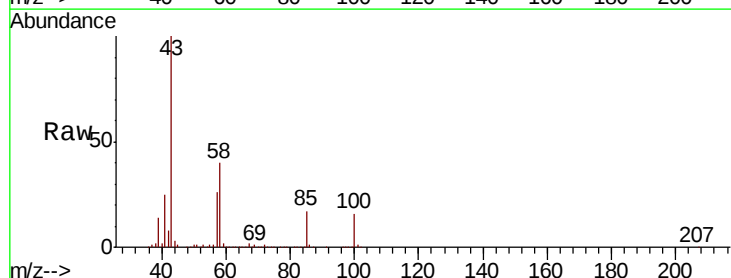
Tgt Ion: 43 Resp: 797301

Ion Ratio Lower Upper

43 100

58 39.4 31.7 47.5

100 15.3 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

600000

500000

400000

300000

200000

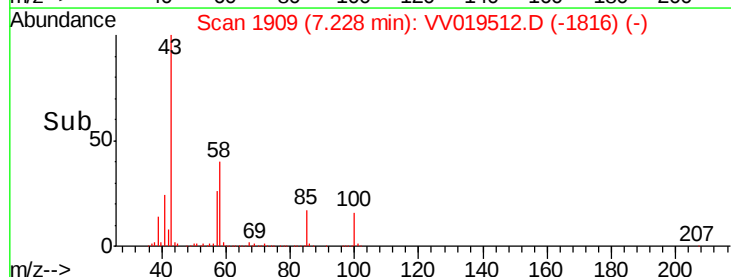
100000

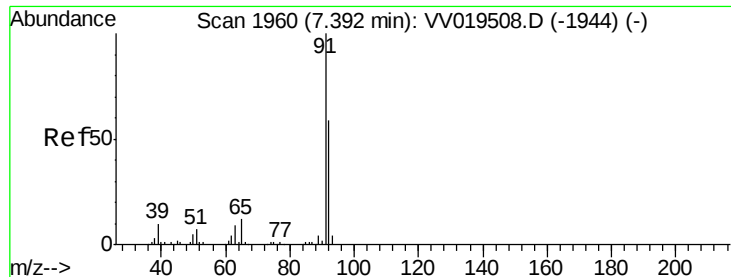
0

7.23

7.15 7.20 7.25 7.30

Time-->





#42

Toluene

Concen: 51.240 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

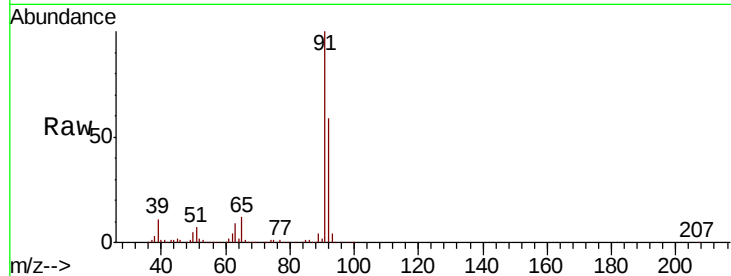
VICV65

Tot Ion: 91 Resp: 1026710

Ion Ratio Lower Upper

91 100

92 59.4 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV019512.D (-1867) (-)

Ion 92.00 (91.70 to 92.70): VV019512.D (-1867) (-)

7.39

600000

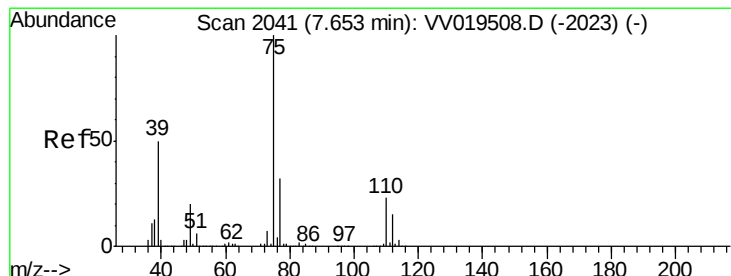
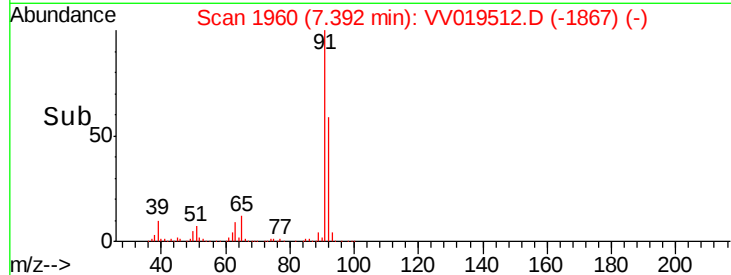
400000

200000

0

7.30 7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.482 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019512.D

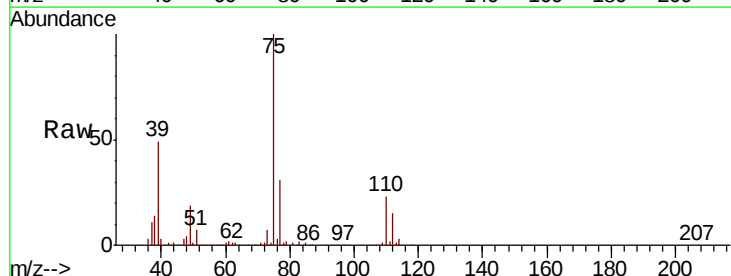
Acq: 10 Dec 2020 15:38

Tgt Ion: 75 Resp: 446546

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019512.D (-1948) (-)

Ion 77.00 (76.70 to 77.70): VV019512.D (-1948) (-)

7.65

300000

250000

200000

150000

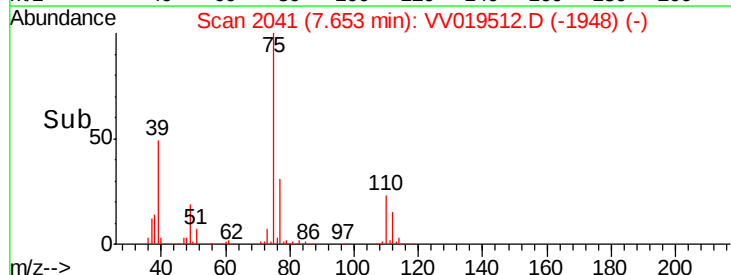
100000

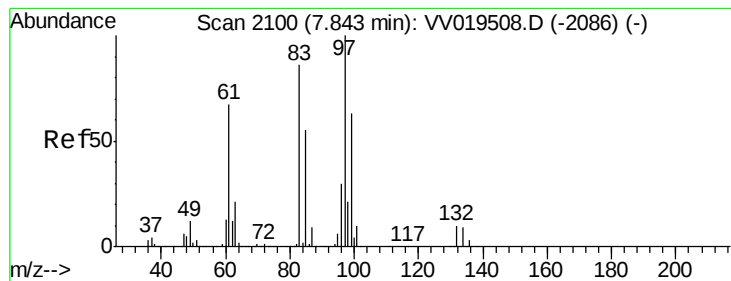
50000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.789 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

VICV65

Tot Ion: 97 Resp: 253599

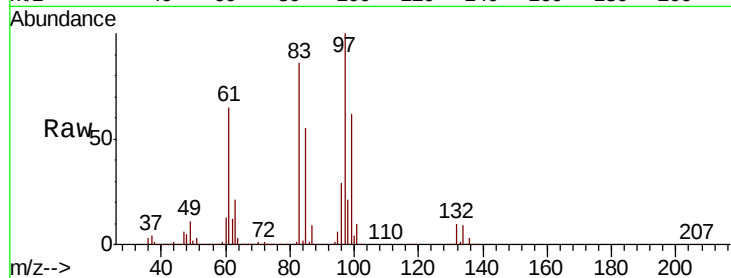
Ion Ratio Lower Upper

97 100

99 61.9 44.1 81.9

83 86.0 60.0 111.4

85 55.1 38.6 71.8

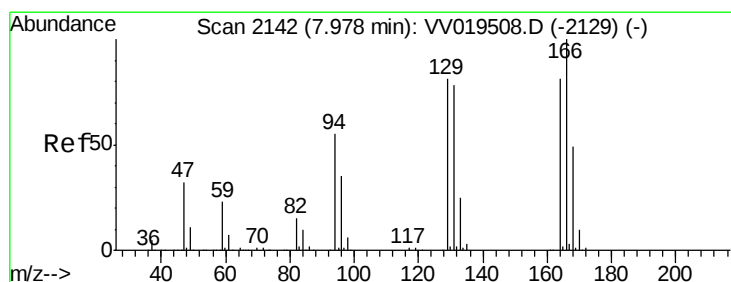
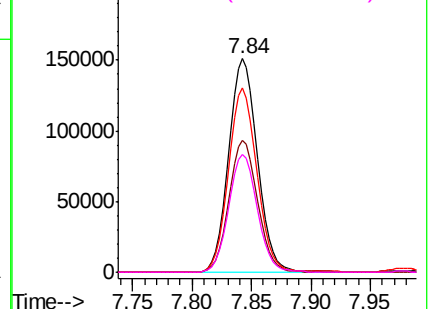
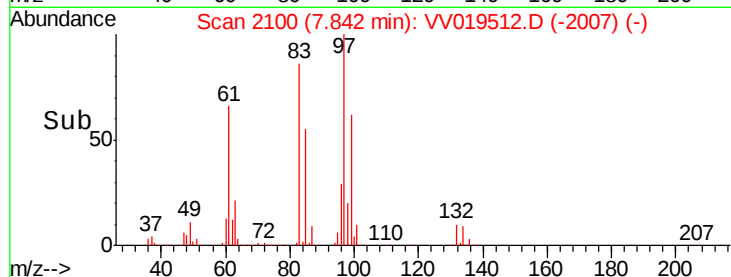


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.451 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Tgt Ion: 164 Resp: 171845

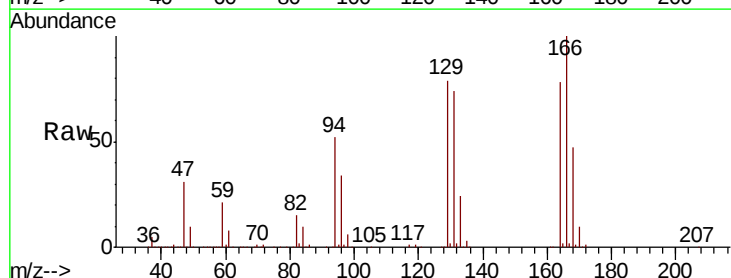
Ion Ratio Lower Upper

164 100

129 101.3 70.6 131.0

131 94.8 68.0 126.4

166 127.7 86.9 161.5

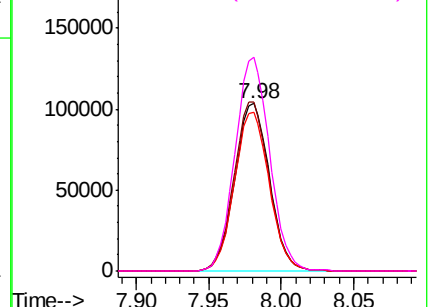
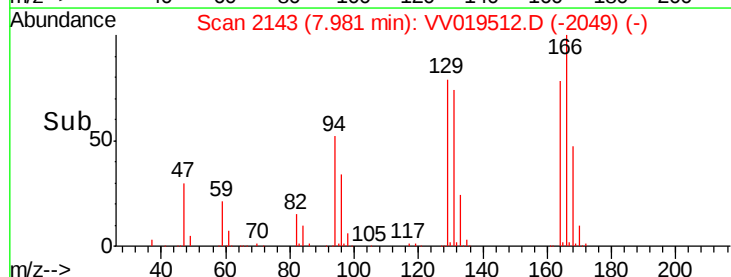


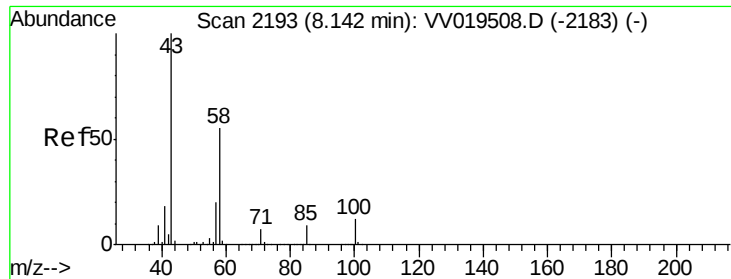
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

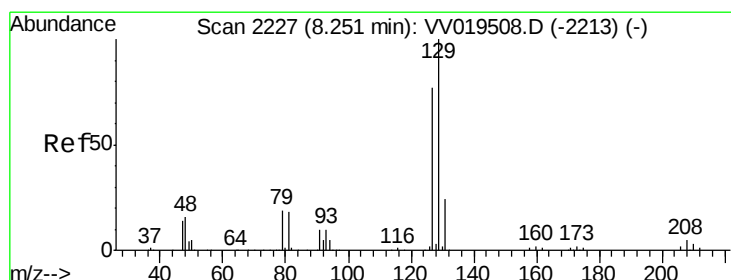
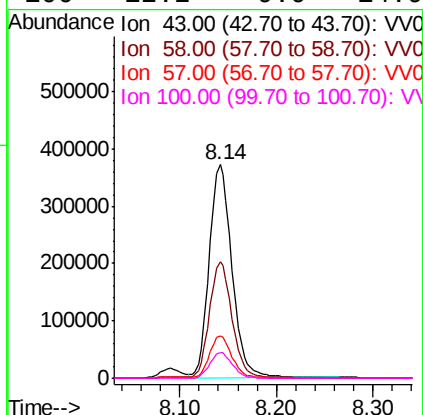
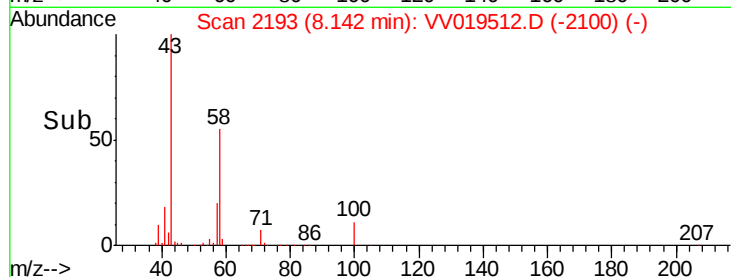
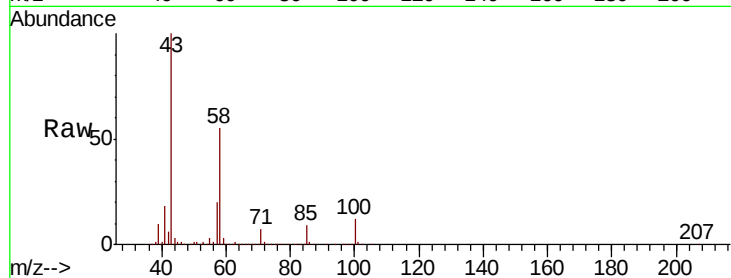




#48
2-Hexanone
Concen: 111.619 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

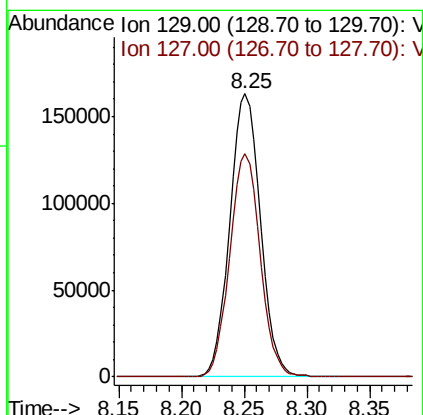
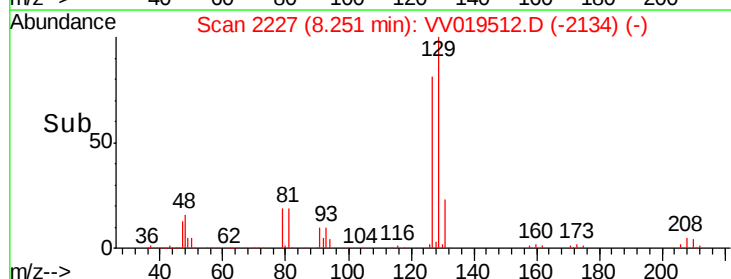
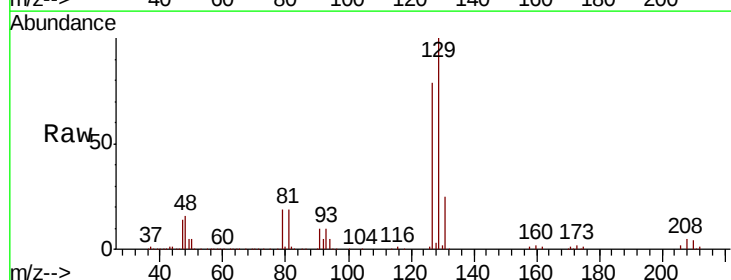
Instrument :
MSVOA_V
ClientSampled :
VICV65

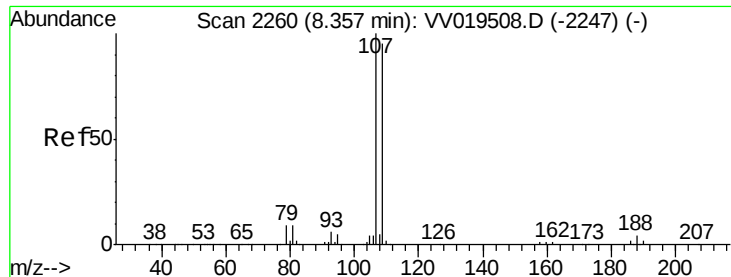
Tot Ion: 43 Resp: 606649
Ion Ratio Lower Upper
43 100
58 54.2 44.4 66.6
57 19.7 15.7 23.5
100 12.2 9.9 14.9



#49
Dibromochloromethane
Concen: 53.685 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion: 129 Resp: 277187
Ion Ratio Lower Upper
129 100
127 78.9 54.2 100.6

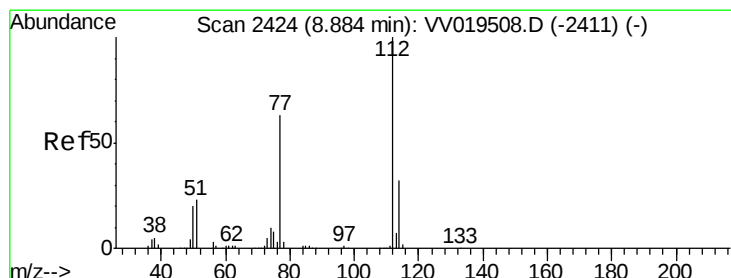
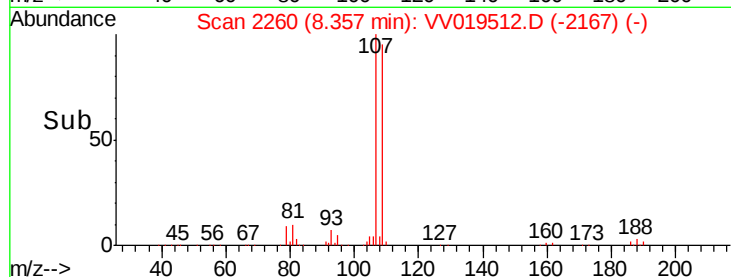
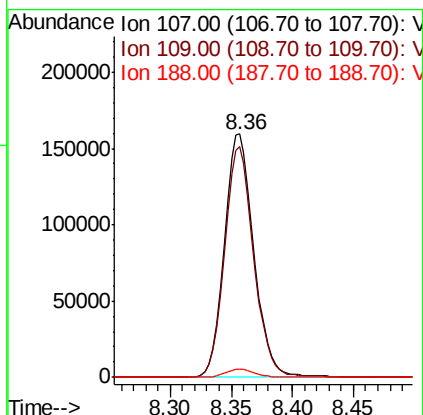
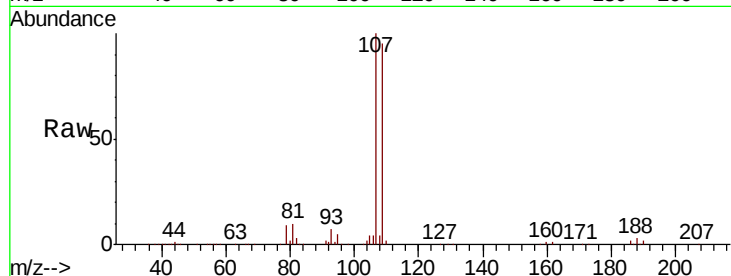




#50
 1,2-Dibromoethane
 Concen: 54.273 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

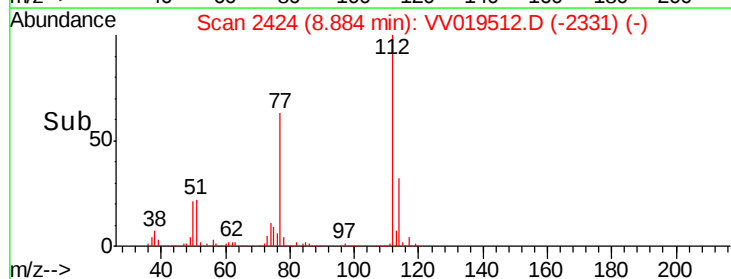
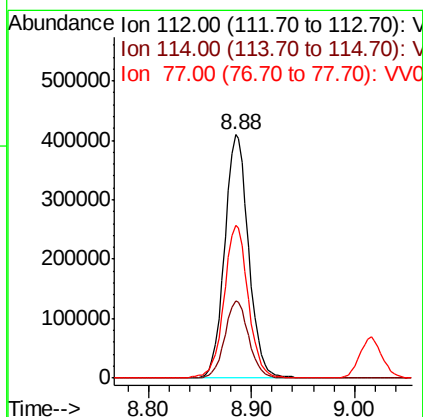
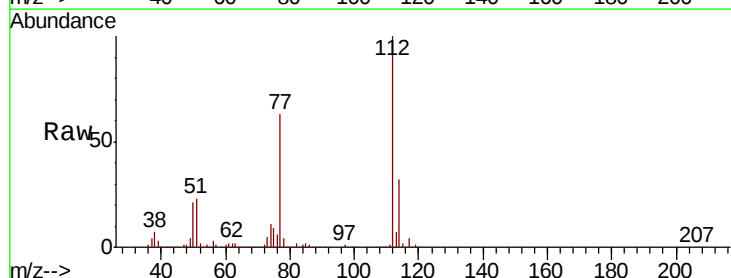
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

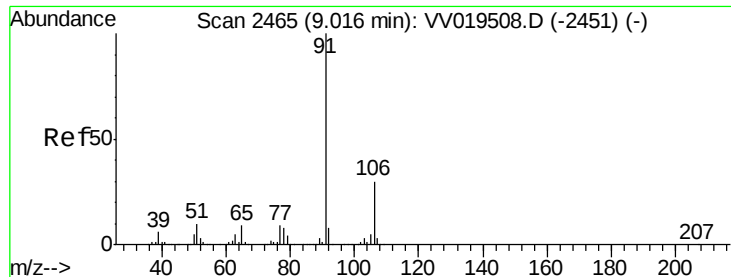
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.2
188	3.4	2.9	4.3



#51
 Chlorobenzene
 Concen: 51.732 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	62.9	50.6	75.8





#52

Ethylbenzene

Concen: 50.392 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampled :

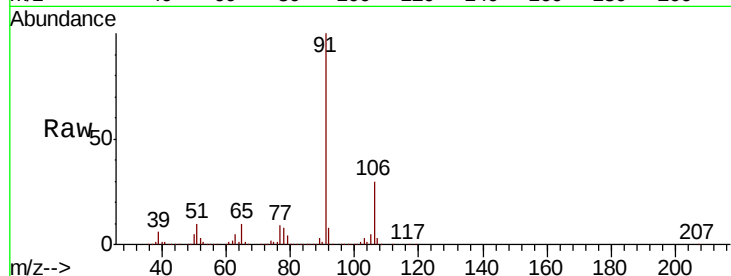
VICV65

Tot Ion: 91 Resp: 1150429

Ion Ratio Lower Upper

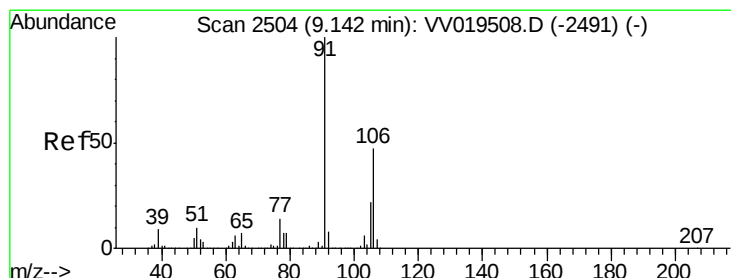
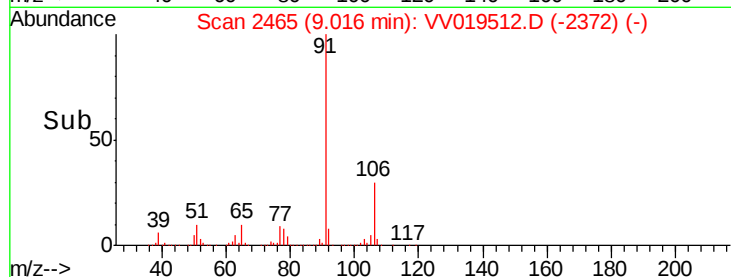
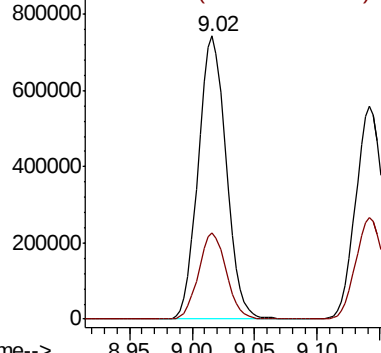
91 100

106 30.4 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 50.021 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019512.D

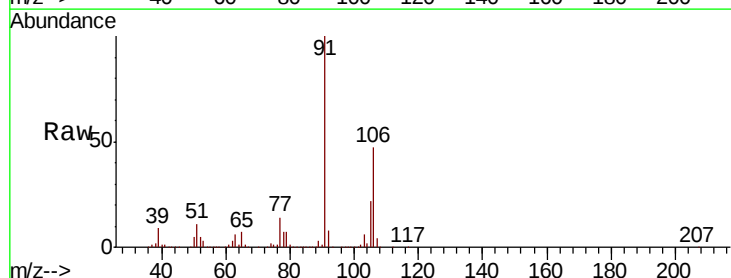
Acq: 10 Dec 2020 15:38

Tgt Ion: 106 Resp: 426630

Ion Ratio Lower Upper

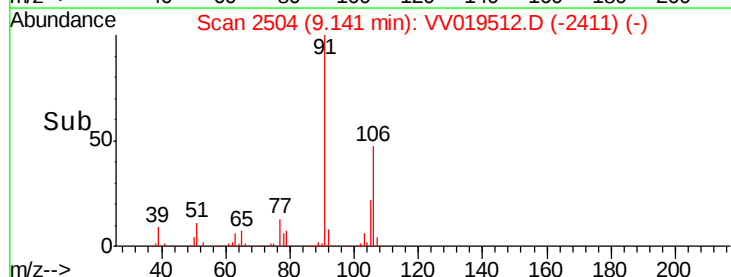
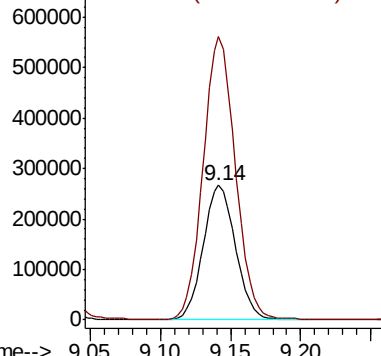
106 100

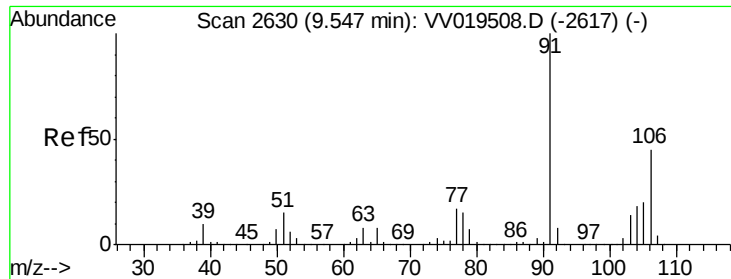
91 210.8 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

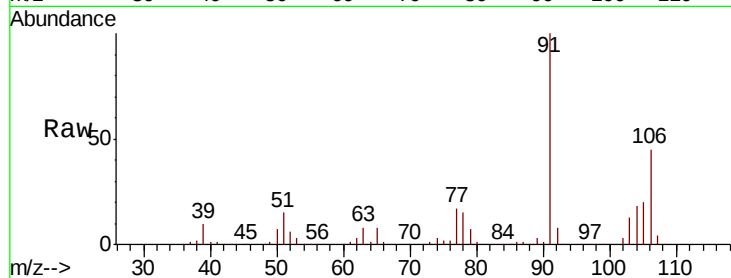




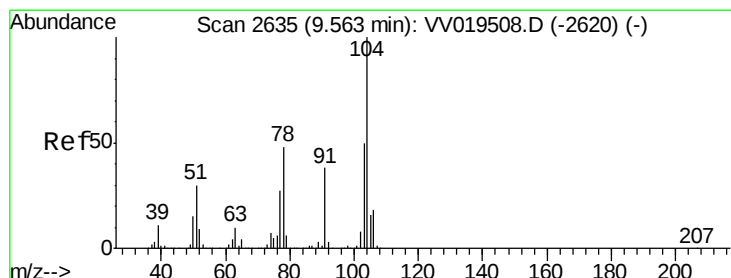
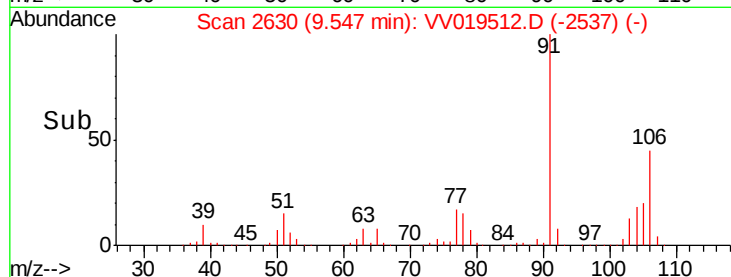
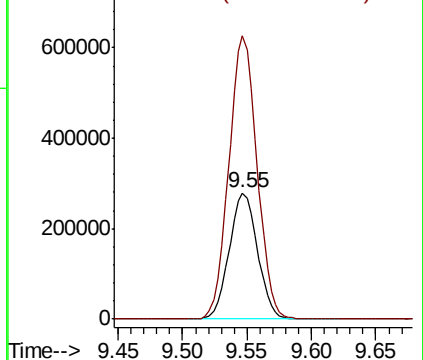
#54
o-xylene
Concen: 50.887 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tot Ion:106 Resp: 425409
Ion Ratio Lower Upper
106 100
91 224.5 156.7 291.1

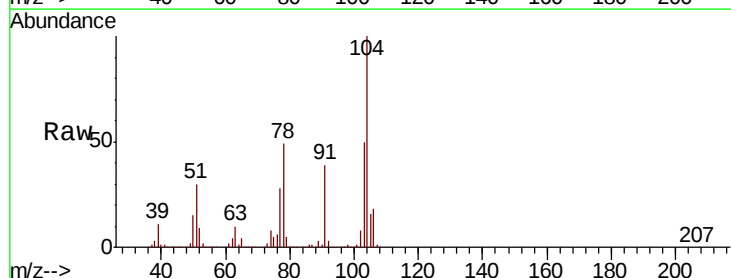


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

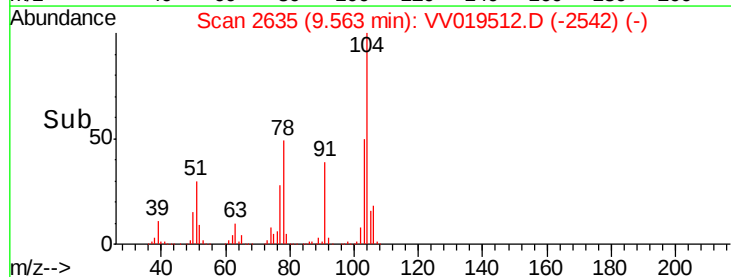
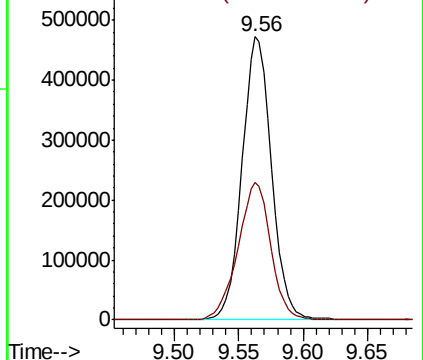


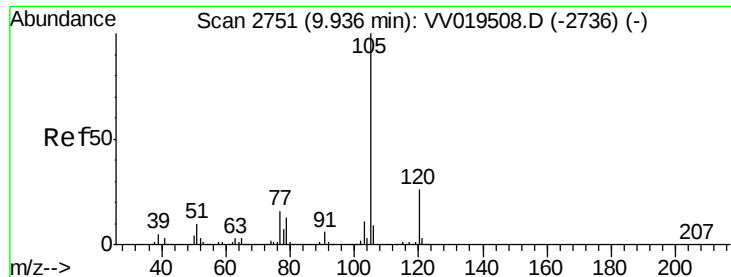
#55
Styrene
Concen: 51.506 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion:104 Resp: 750448
Ion Ratio Lower Upper
104 100
78 48.7 33.7 62.7



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

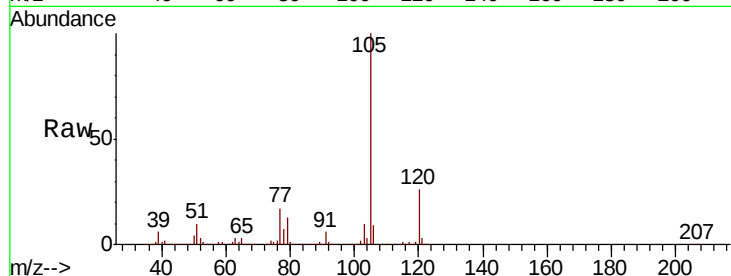




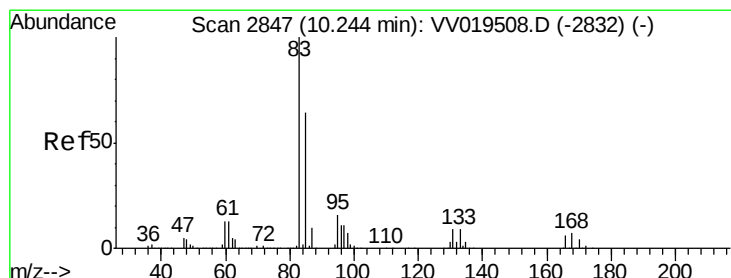
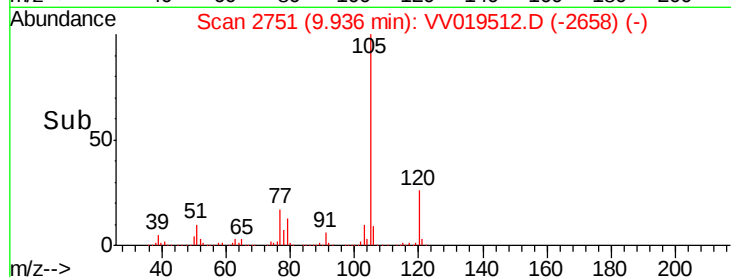
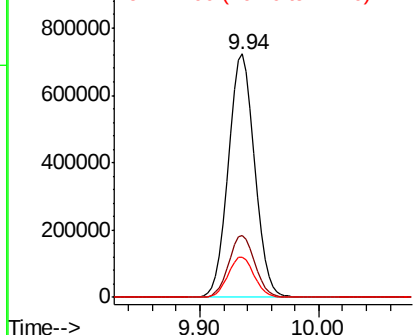
#56
Isopropylbenzene
Concen: 49.637 ug/L
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tot Ion:105 Resp: 1105473
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.5 13.2 19.8

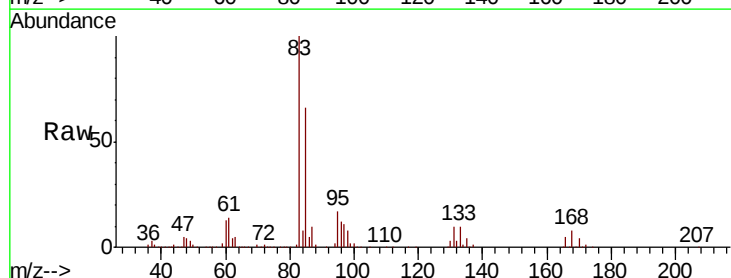


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

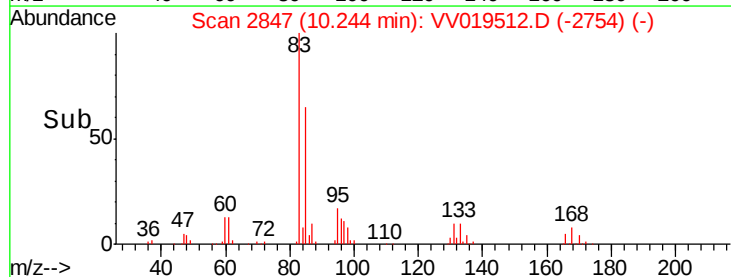
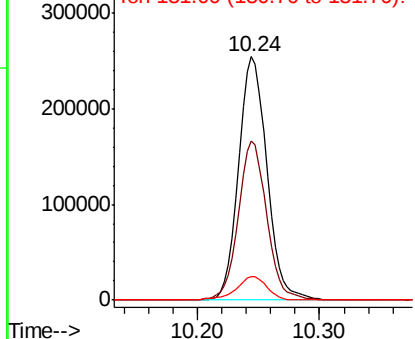


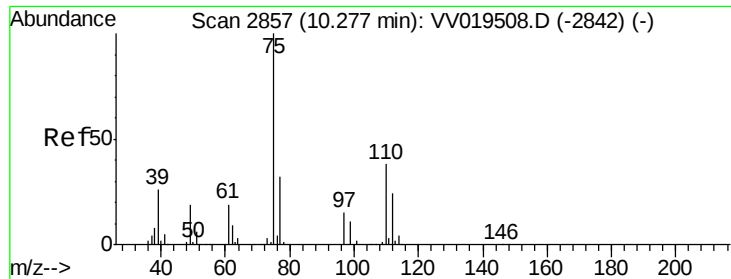
#58
1,1,2,2-Tetrachloroethane
Concen: 53.788 ug/L
RT: 10.24 min Scan# 2847
Delta R.T. -0.00 min
Lab File: VV019512.D
Acq: 10 Dec 2020 15:38

Tgt Ion: 83 Resp: 407819
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5
131 9.7 7.6 11.4



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: 53.687 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampleId :

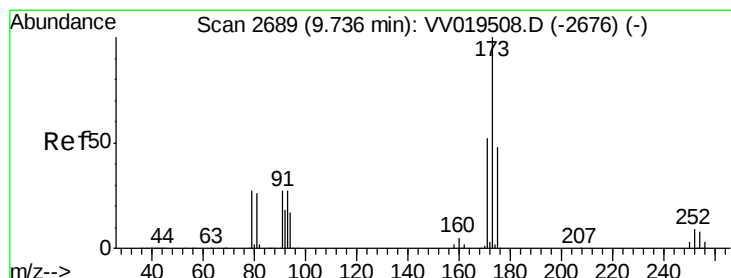
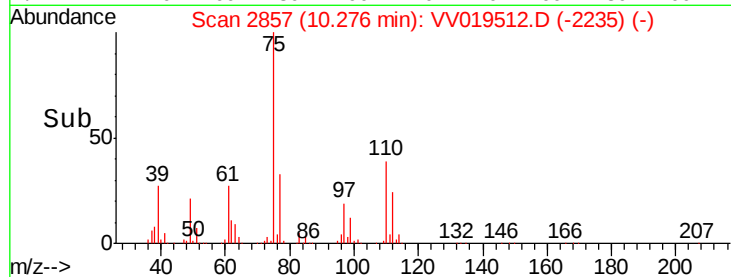
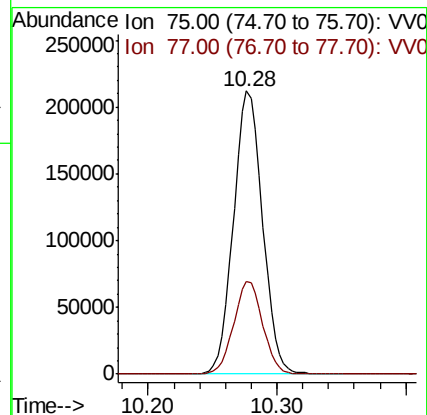
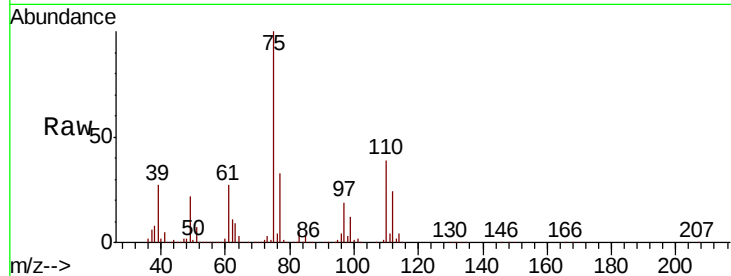
VICV65

Tot Ion: 75 Resp: 331539

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



#61

Bromoform

Concen: 55.489 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

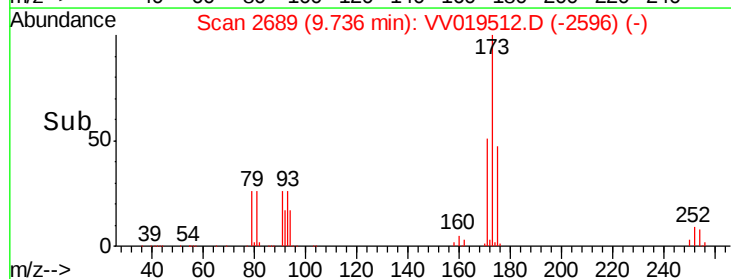
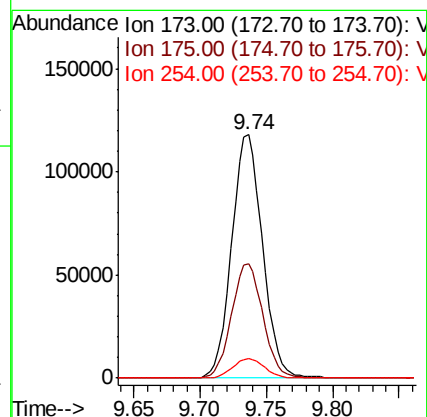
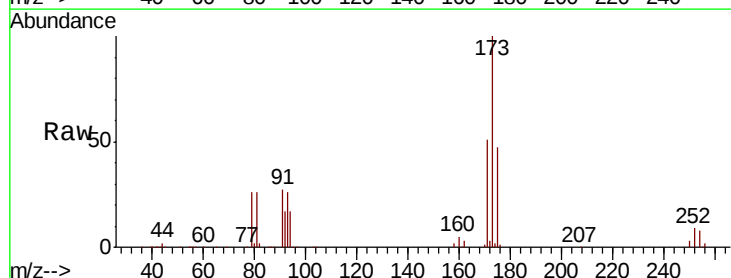
Tgt Ion: 173 Resp: 190786

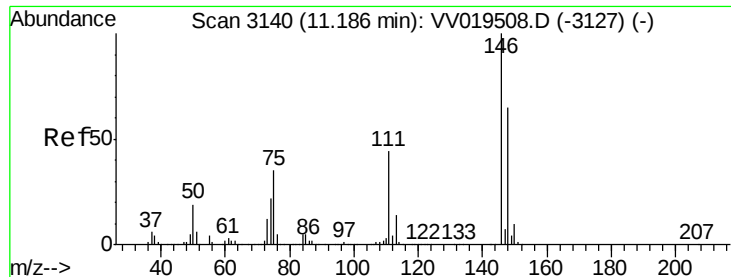
Ion Ratio Lower Upper

173 100

175 47.6 38.4 57.6

254 8.1 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 51.700 ug/L

RT: 11.18 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

MSVOA_V

ClientSampled :

VICV65

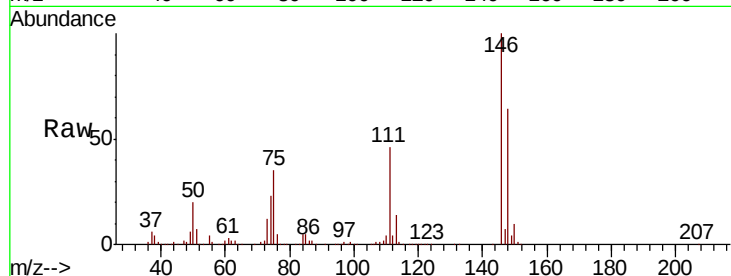
Tot Ion:146 Resp: 492889

Ion Ratio Lower Upper

146 100

111 45.6 30.7 57.1

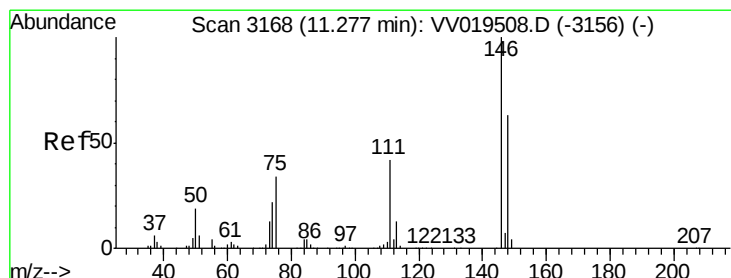
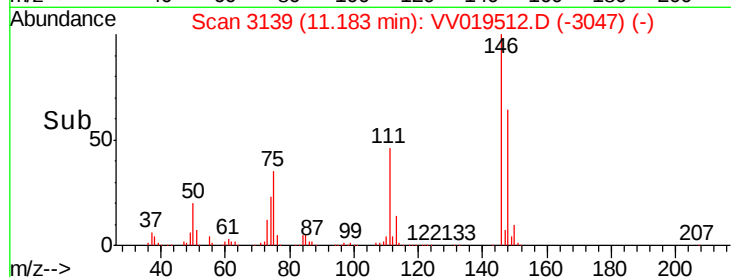
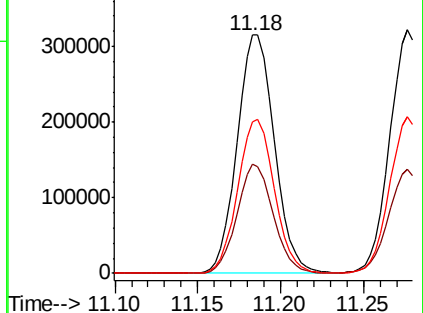
148 63.8 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.352 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

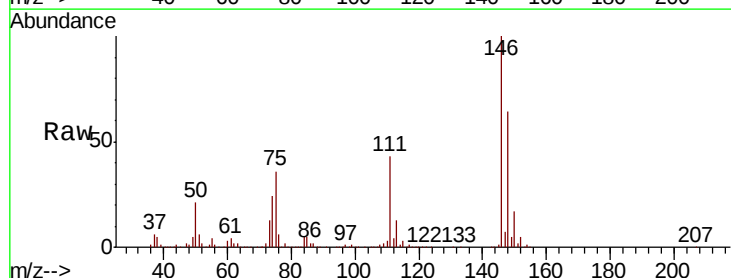
Tgt Ion:146 Resp: 495749

Ion Ratio Lower Upper

146 100

111 42.7 29.8 55.4

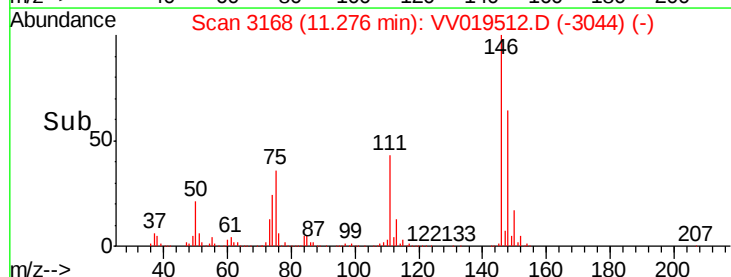
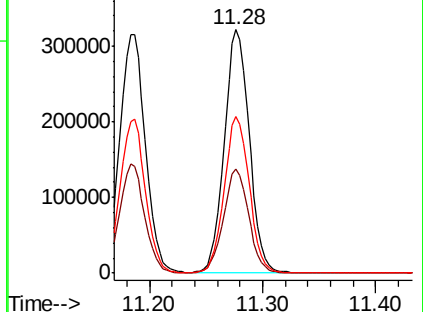
148 64.2 44.2 82.0

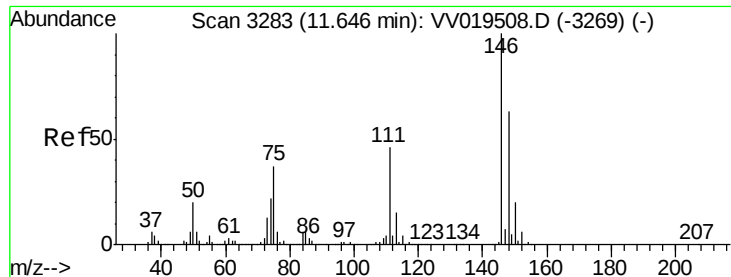


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

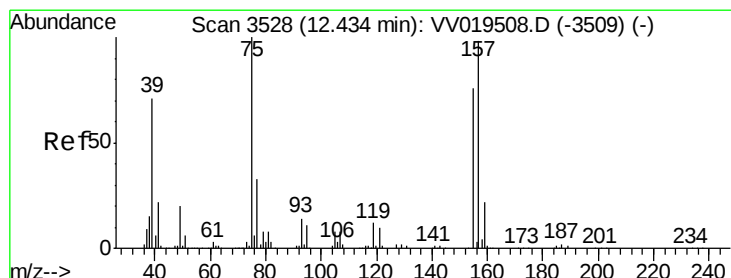
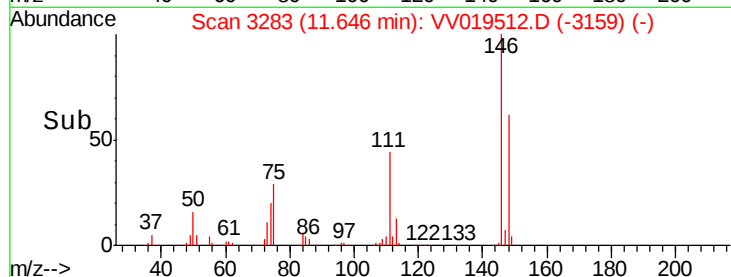
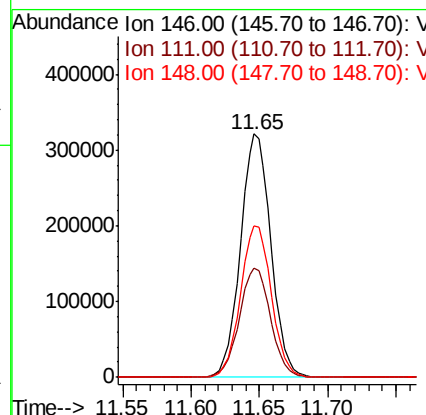
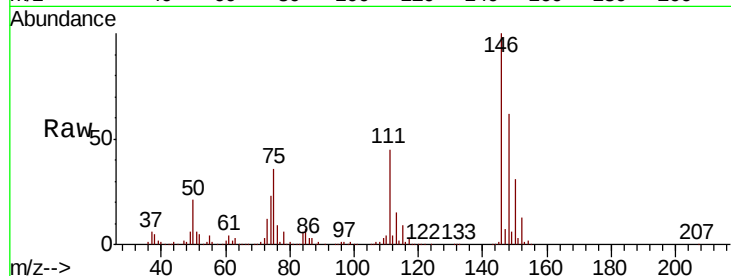




#65
 1,2-Dichlorobenzene
 Concen: 52.715 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

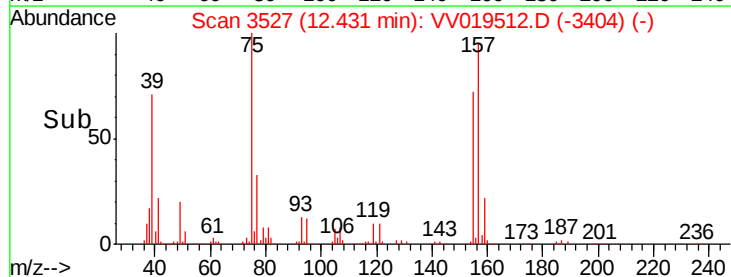
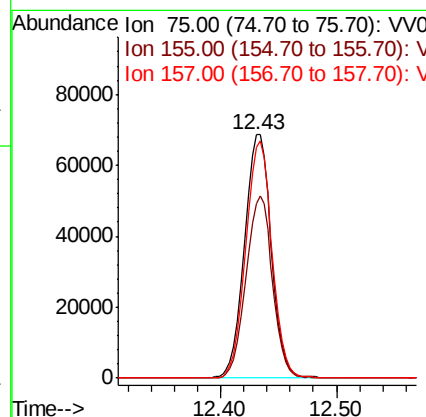
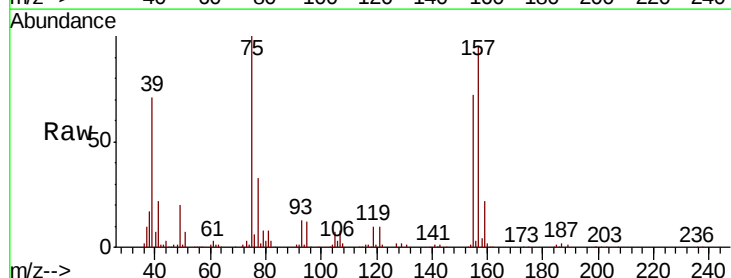
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

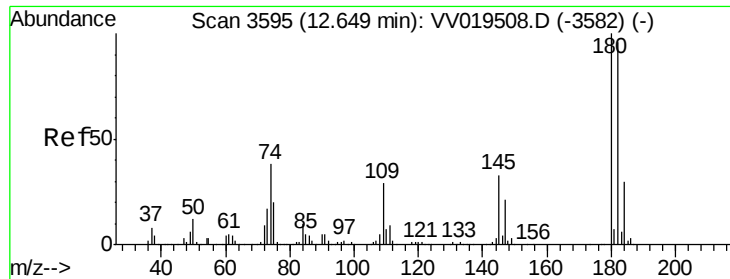
Tot Ion:146 Resp: 496599
 Ion Ratio Lower Upper
 146 100
 111 45.1 36.6 55.0
 148 62.4 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.849 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Tgt Ion: 75 Resp: 109824
 Ion Ratio Lower Upper
 75 100
 155 71.6 61.1 91.7
 157 95.0 78.7 118.1

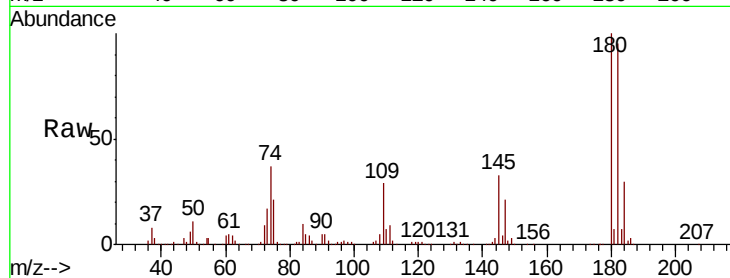




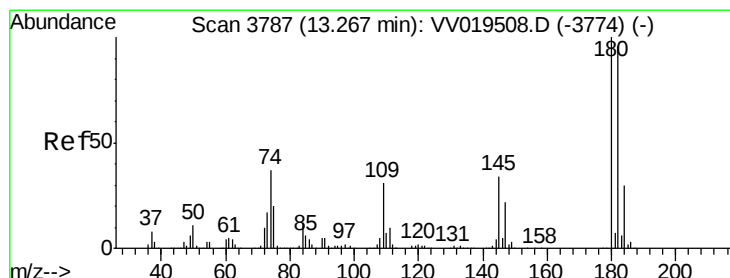
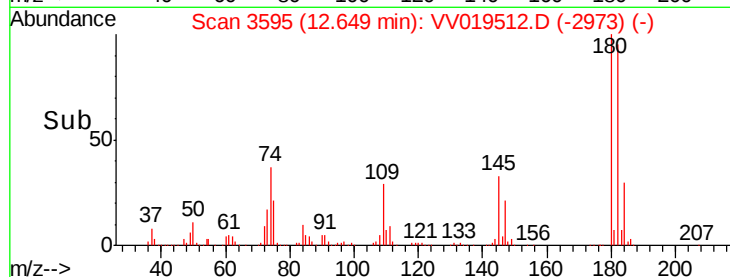
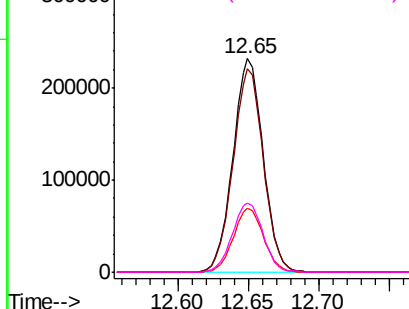
#67
 1,3,5-Trichlorobenzene
 Concen: 51.693 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tot Ion:180	Resp:	348192
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.8 113.6
184	30.0	23.9 35.9
145	32.9	26.2 39.2

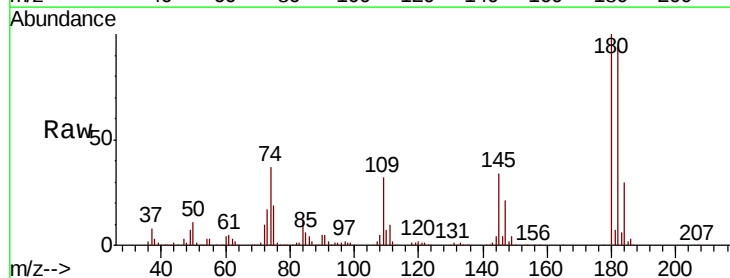


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

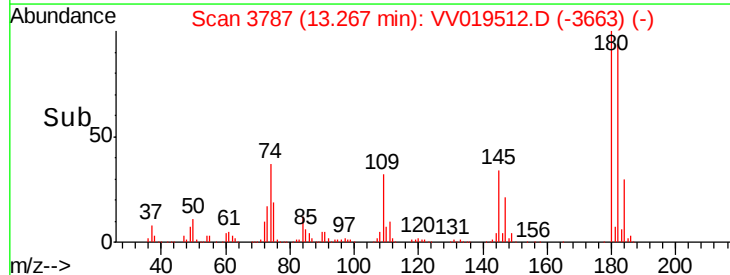
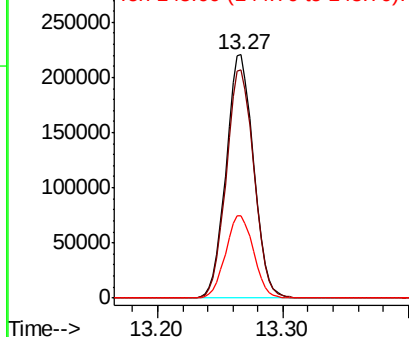


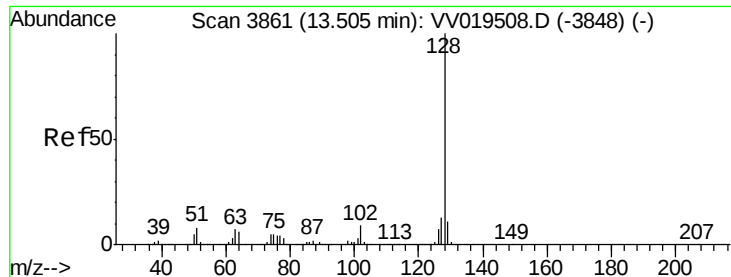
#68
 1,2,4-trichlorobenzene
 Concen: 53.233 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. -0.00 min
 Lab File: VV019512.D
 Acq: 10 Dec 2020 15:38

Tgt Ion:180	Resp:	335262
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.5 114.7
145	34.4	27.0 40.6



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





#69

Naphthalene

Concen: 57.077 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Instrument :

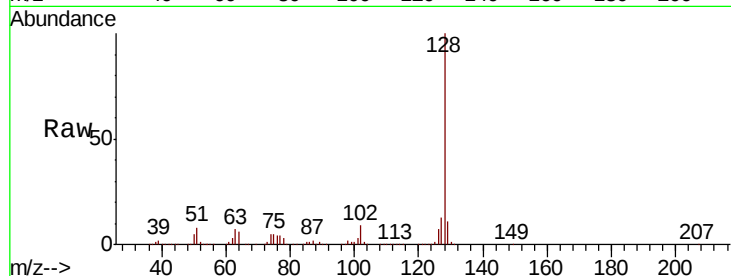
MSVOA_V

ClientSampleId :

VICV65

Tot Ion:128 Resp: 1248191

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.6	12.8

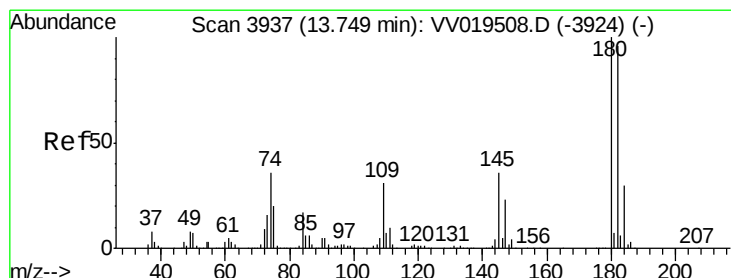
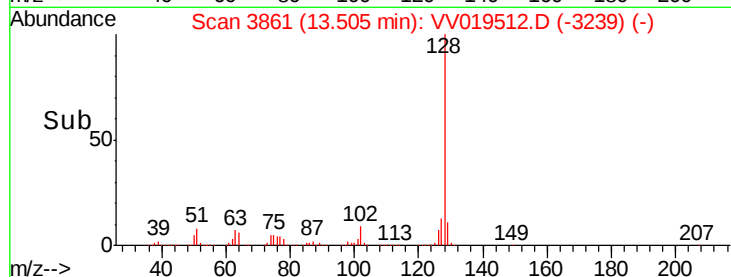
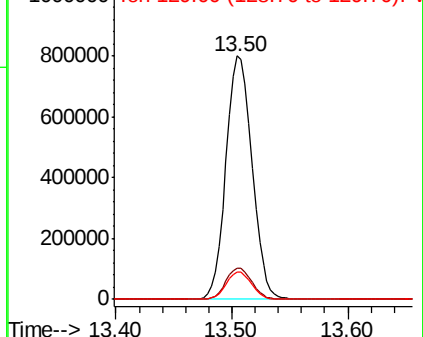


Abundance

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: 54.230 ug/L

RT: 13.75 min Scan# 3937

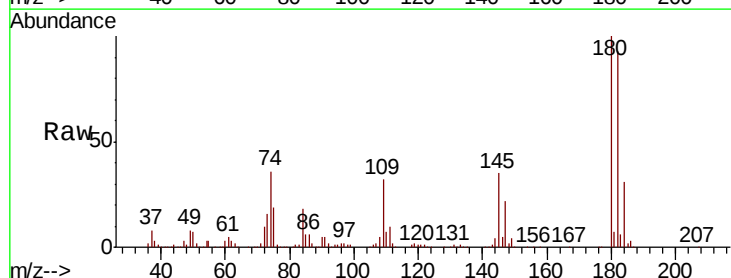
Delta R.T. -0.00 min

Lab File: VV019512.D

Acq: 10 Dec 2020 15:38

Tgt Ion:180 Resp: 333767

Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.8	113.6
145	35.8	29.1	43.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

