

Data File : VV014569.D
Acq On : 12 Feb 2020 13:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Quant Time: Feb 13 05:57:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 13 05:55:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	303171	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	282776	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	144783	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60032	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.12%
7) Chloroethane-d5	1.58	69	42663	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	100910	51.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.88%
21) 2-Butanone-d5	3.92	46	104419	108.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.15%
24) Chloroform-d	4.40	84	181170	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
26) 1,2-Dichloroethane-d4	5.07	65	108878	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.38%
32) Benzene-d6	5.09	84	358435	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.11	67	105997	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.08%
41) Toluene-d8	7.35	98	344820	53.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	7.66	79	60168	53.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.14%
47) 2-Hexanone-d5	8.12	63	84340	103.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.62%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	145906	52.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.56%
64) 1,2-Dichlorobenzene-d4	11.67	152	132426	51.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	111351	51.756 ug/L	98
3) Chloromethane	1.26	50	92860	48.590 ug/L	96
5) Vinyl chloride	1.33	62	69525	51.188 ug/L	99
6) Bromomethane	1.53	94	35328	53.455 ug/L	100
8) Chloroethane	1.60	64	34121	50.019 ug/L	100
9) Trichlorofluoromethane	1.77	101	119319	50.853 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	51988	51.975 ug/L	99
12) 1,1-Dichloroethene	2.14	96	46254	49.746 ug/L	89
13) Acetone	2.18	43	82375	99.450 ug/L	98
14) Carbon disulfide	2.32	76	231728	50.913 ug/L	100
15) Methyl Acetate	2.45	43	79309	49.957 ug/L	98
16) Methylene chloride	2.53	84	98142	50.498 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	94174	51.345 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	300668	51.120 ug/L	100
19) 1,1-Dichloroethane	3.23	63	163805	50.933 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	107846	50.859 ug/L	97
22) 2-Butanone	4.00	43	125916	101.388 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	52944	51.548	ug/L	99
25) Chloroform	4.42	83	176265	49.535	ug/L	96
27) 1,2-Dichloroethane	5.17	62	134424	51.238	ug/L	99
29) Cyclohexane	4.72	56	145920	51.547	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	157998	51.361	ug/L	100
31) Carbon tetrachloride	4.87	117	142655	51.357	ug/L	97
33) Benzene	5.14	78	379429	51.106	ug/L	100
34) Trichloroethene	5.96	95	103545	51.683	ug/L	98
35) Methylcyclohexane	6.17	83	165888	52.884	ug/L	99
37) 1,2-Dichloropropane	6.22	63	94613	51.609	ug/L	99
38) Bromodichloromethane	6.55	83	138404	51.486	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	165048	50.998	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	230815	101.927	ug/L	99
42) Toluene	7.43	91	418121	51.645	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	150706	51.562	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	97502	51.488	ug/L	98
46) Tetrachloroethene	8.01	164	83200	52.811	ug/L	98
48) 2-Hexanone	8.17	43	182968	103.634	ug/L	97
49) Dibromochloromethane	8.28	129	113612	50.339	ug/L	100
50) 1,2-Dibromoethane	8.39	107	104461	50.981	ug/L	98
51) Chlorobenzene	8.92	112	279312	51.603	ug/L	99
52) Ethylbenzene	9.05	91	476544	51.890	ug/L	99
53) m,p-Xylene	9.18	106	184659	51.503	ug/L	99
54) o-xylene	9.58	106	178333	52.037	ug/L	97
55) Styrene	9.60	104	308749	52.431	ug/L	98
56) Isopropylbenzene	9.97	105	474560	52.060	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	152497	50.973	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	118133	50.073	ug/L	99
61) Bromoform	9.77	173	79150	50.510	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	224445	51.259	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	226591	50.771	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	217032	50.459	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	33969	48.481	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	164150	52.130	ug/L	97
68) 1,2,4-trichlorobenzene	13.30	180	150402	51.578	ug/L	100
69) Naphthalene	13.54	128	468386	50.656	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	143249	50.958	ug/L	99

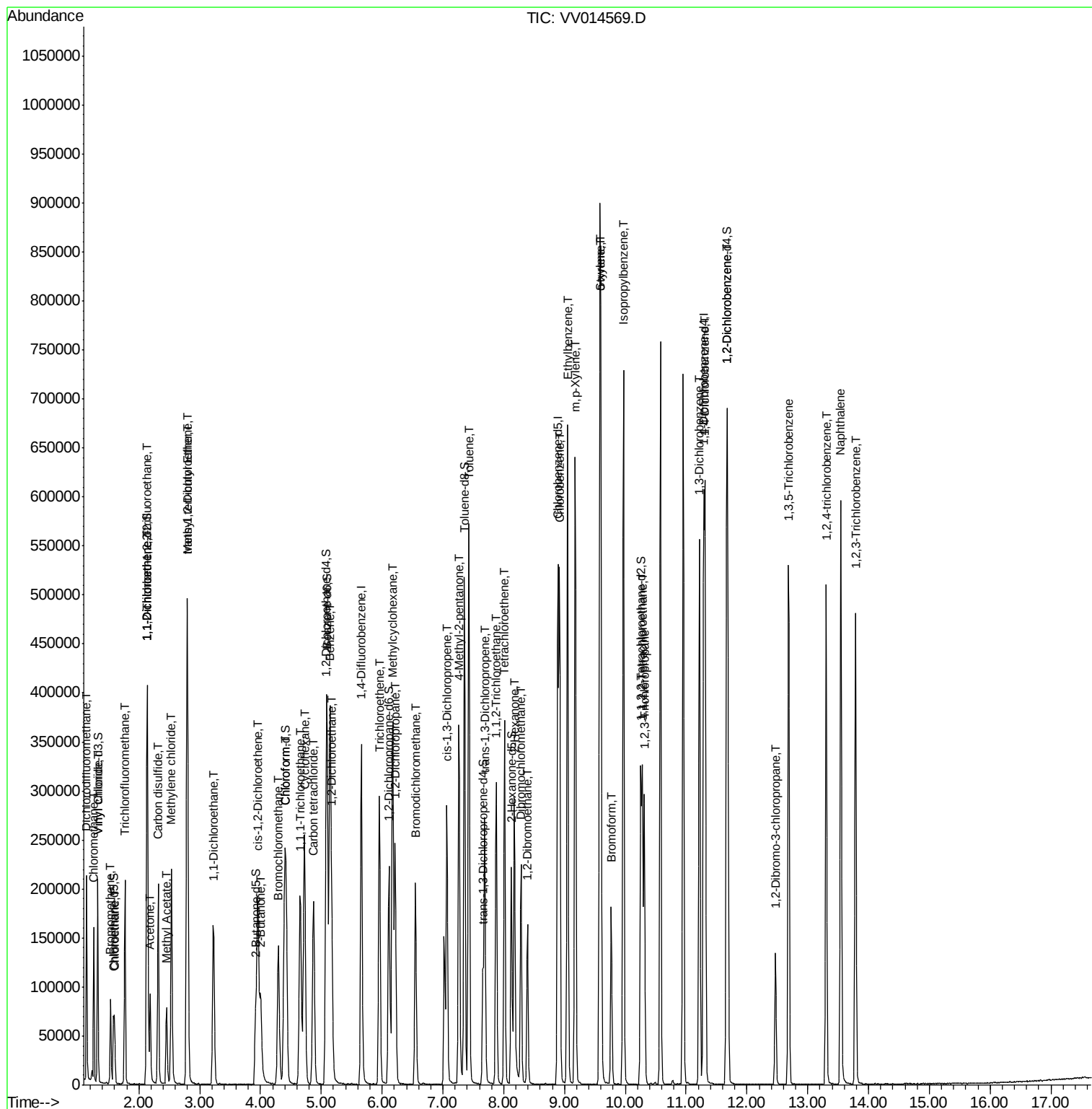
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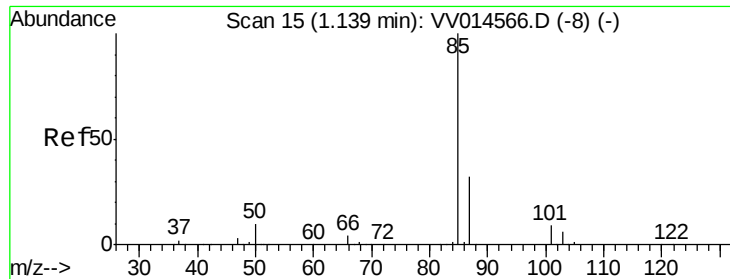
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#2

Dichlorodifluoromethane

Concen: 51.756 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

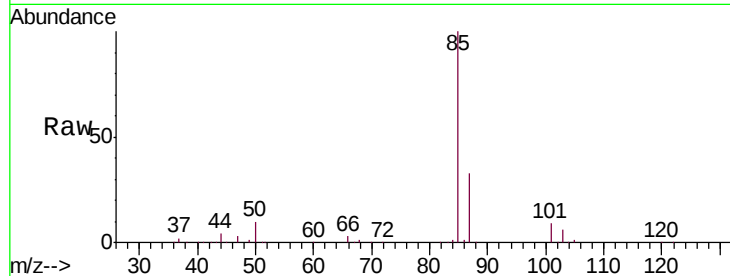
VICV65

Tgt Ion: 85 Resp: 111351

Ion Ratio Lower Upper

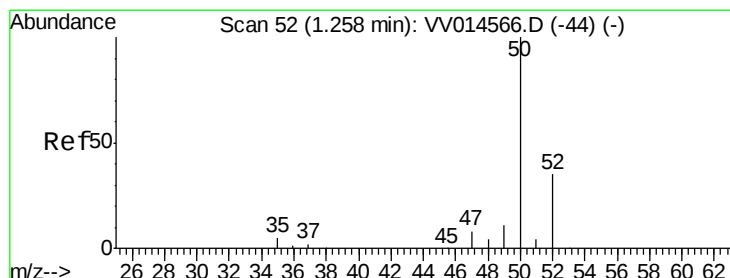
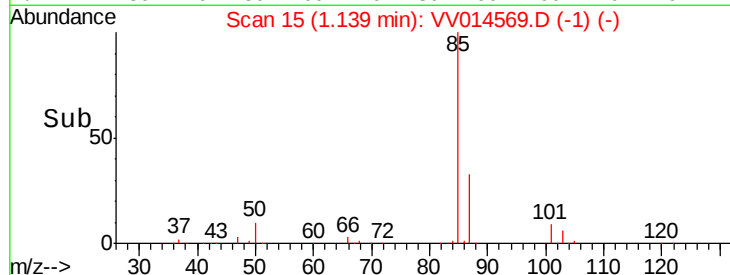
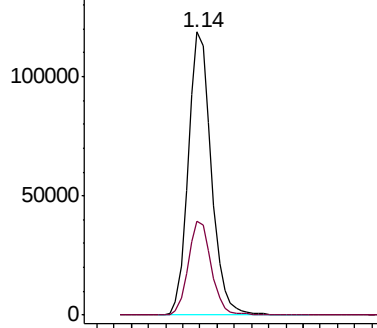
85 100

87 33.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 48.590 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014569.D

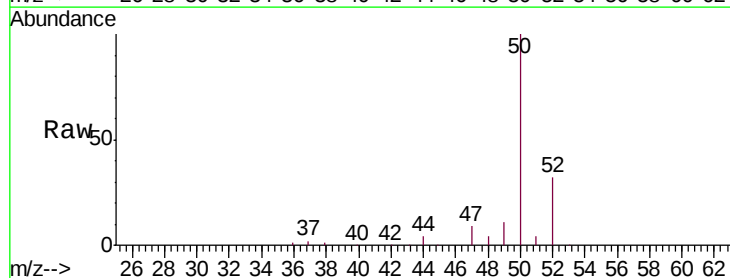
Acq: 12 Feb 2020 13:12

Tgt Ion: 50 Resp: 92860

Ion Ratio Lower Upper

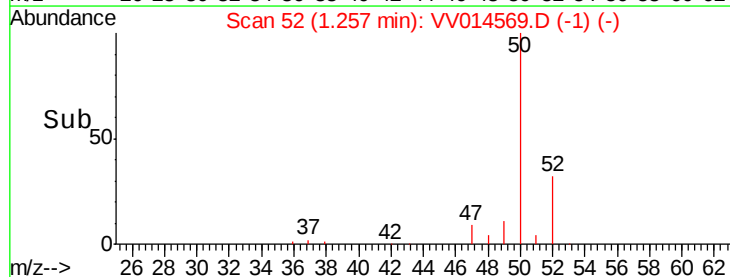
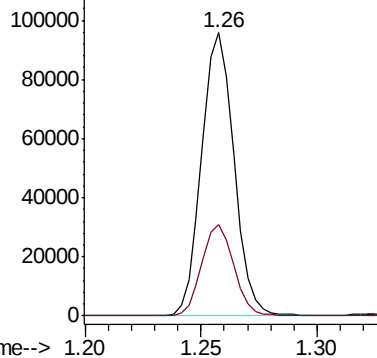
50 100

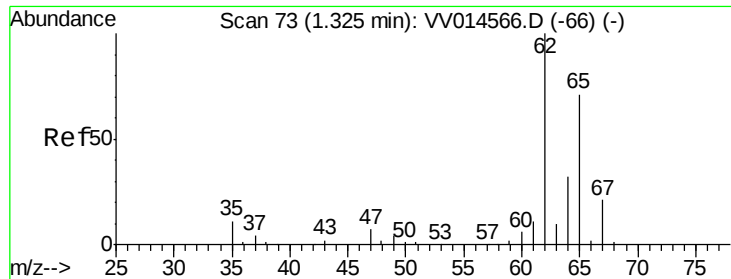
52 32.4 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.188 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

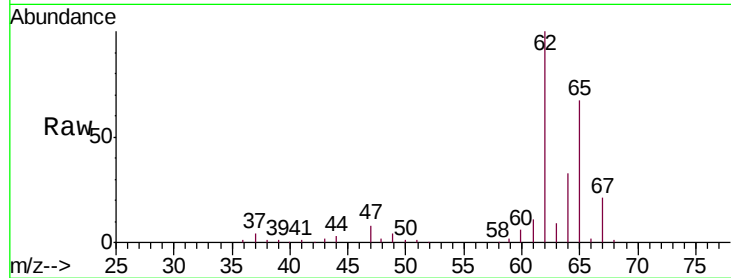
VICV65

Tgt Ion: 62 Resp: 69525

Ion Ratio Lower Upper

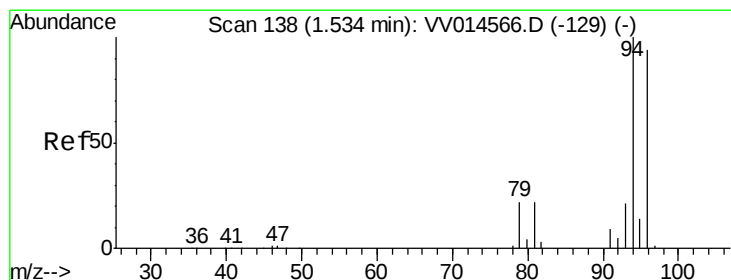
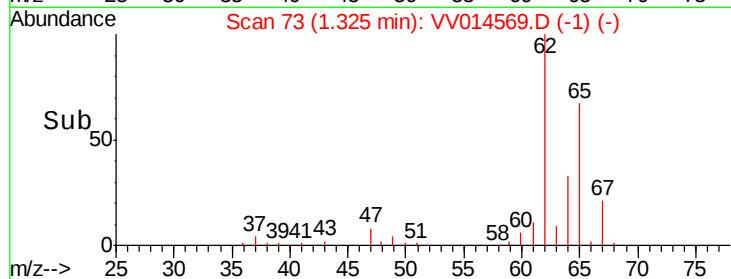
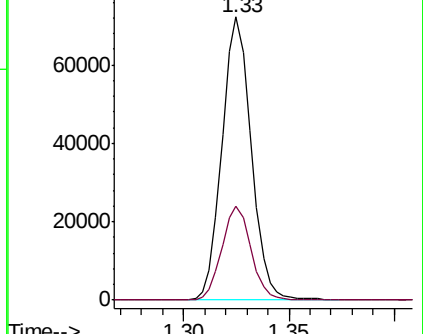
62 100

64 33.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.455 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014569.D

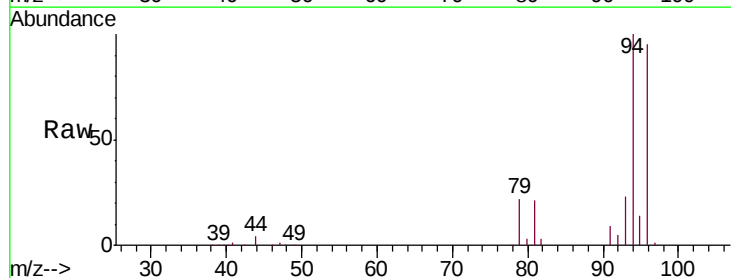
Acq: 12 Feb 2020 13:12

Tgt Ion: 94 Resp: 35328

Ion Ratio Lower Upper

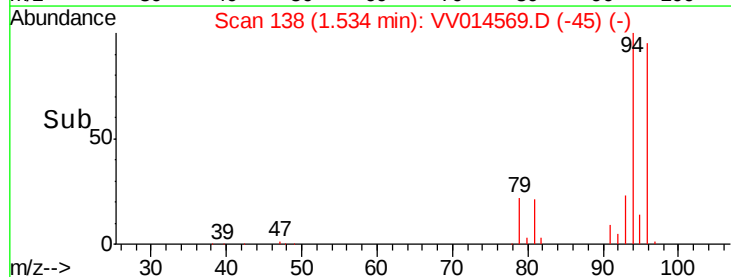
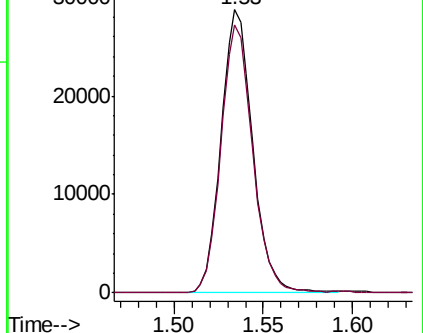
94 100

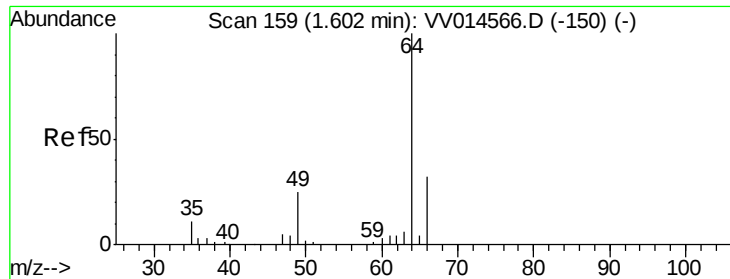
96 94.8 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

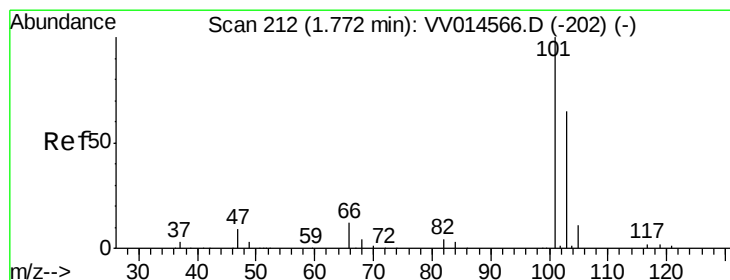
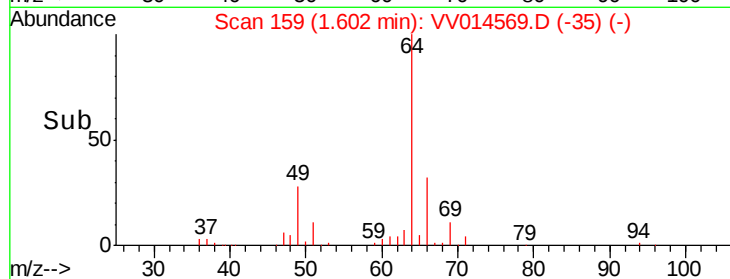
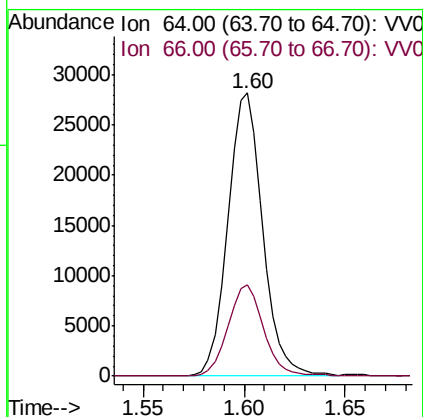
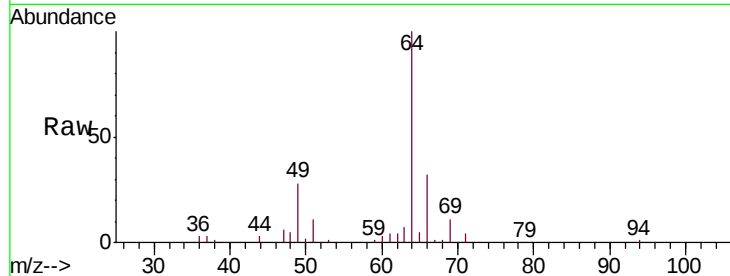




#8
Chloroethane
Concen: 50.019 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

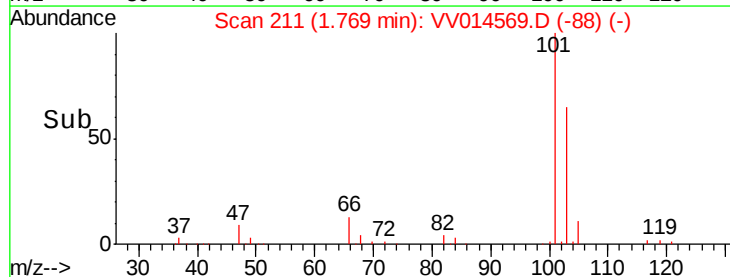
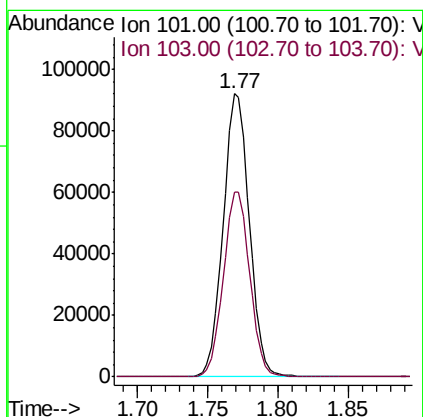
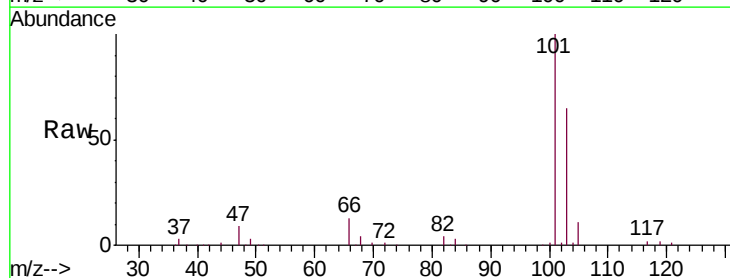
Instrument :
MSVOA_V
ClientSampleId :
VICV65

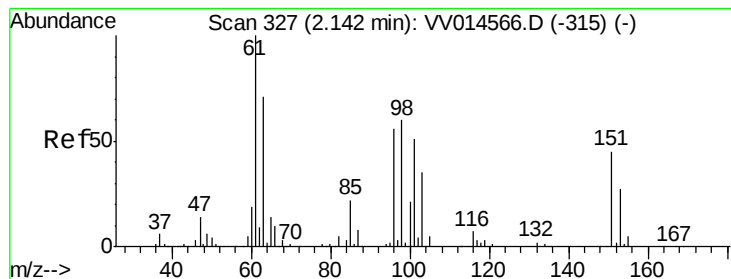
Tgt Ion: 64 Resp: 34121
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 50.853 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

Tgt Ion: 101 Resp: 119319
Ion Ratio Lower Upper
101 100
103 65.8 52.2 78.2





#10

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

Concen: 51.975 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampled :

VICV65

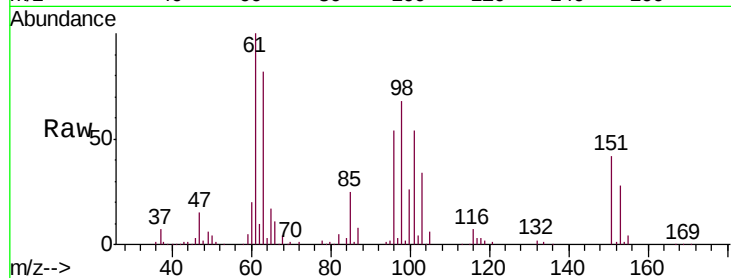
Tgt Ion: 101 Resp: 51988

Ion Ratio Lower Upper

101 100

85 45.5 35.4 53.0

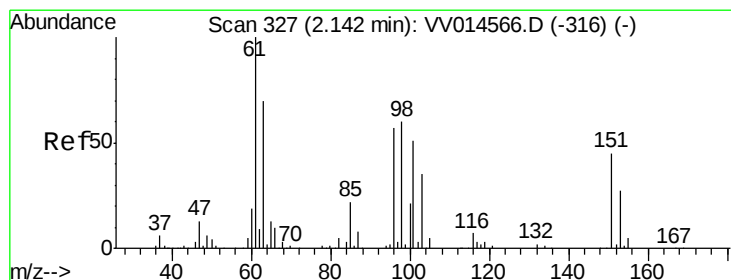
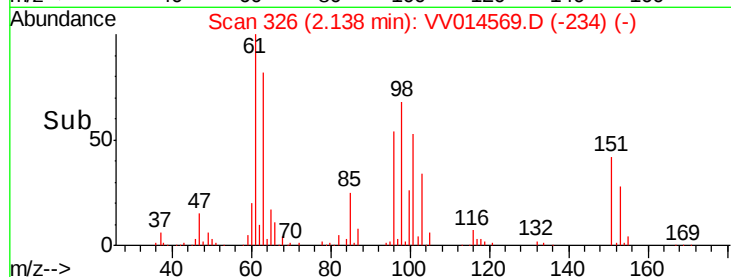
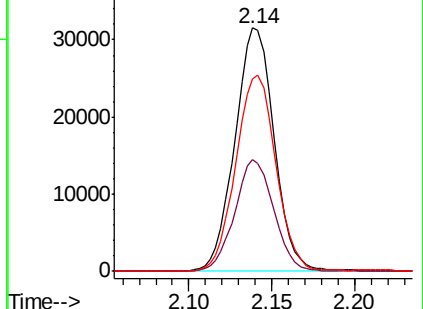
151 82.5 65.4 98.2



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: 49.746 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

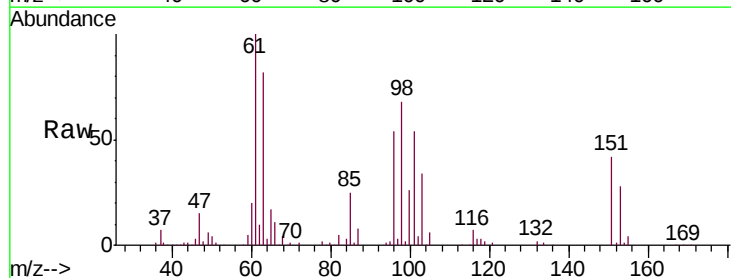
Tgt Ion: 96 Resp: 46254

Ion Ratio Lower Upper

96 100

61 183.7 124.2 230.6

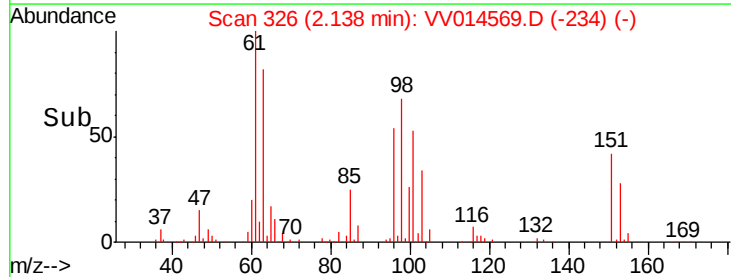
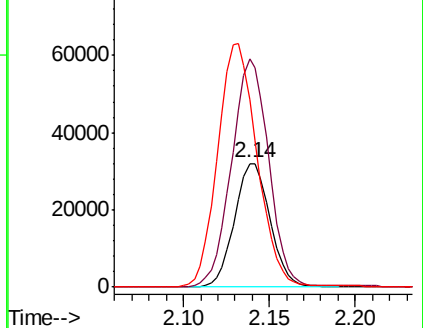
63 150.8 89.2 165.8

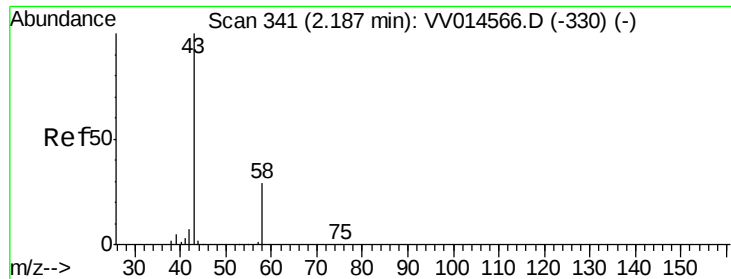


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 99.450 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

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ClientSampleId :

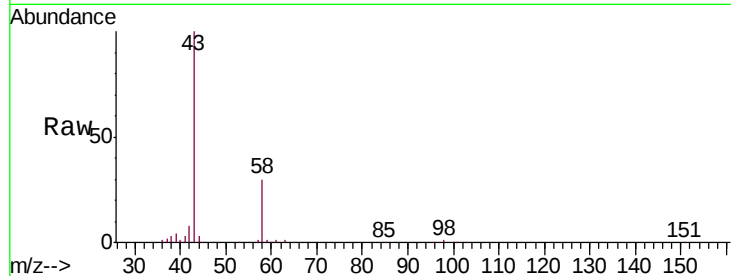
VICV65

Tgt Ion: 43 Resp: 82375

Ion Ratio Lower Upper

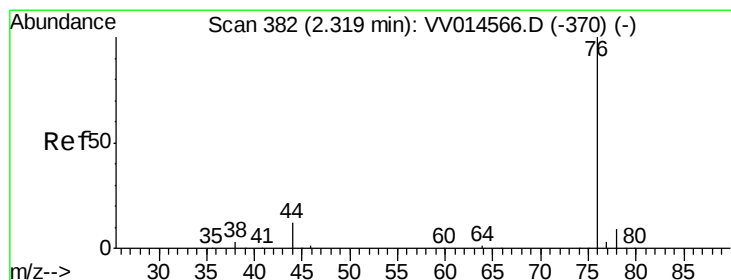
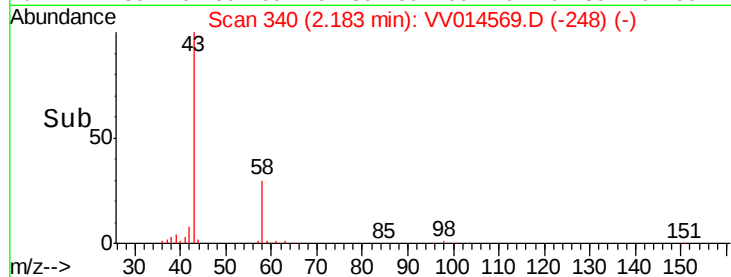
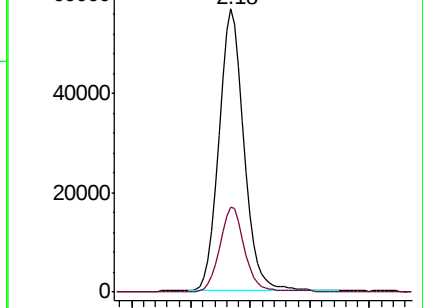
43 100

58 30.3 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014566.D (-330) (-)



#14

Carbon disulfide

Concen: 50.913 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014569.D

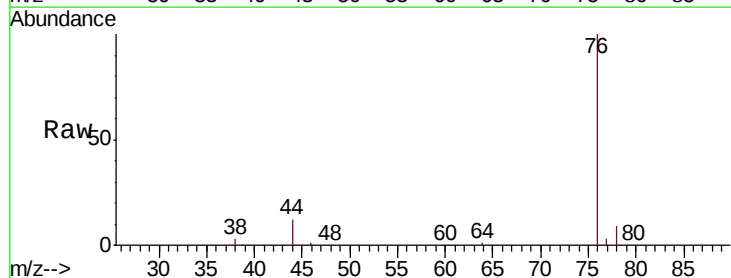
Acq: 12 Feb 2020 13:12

Tgt Ion: 76 Resp: 231728

Ion Ratio Lower Upper

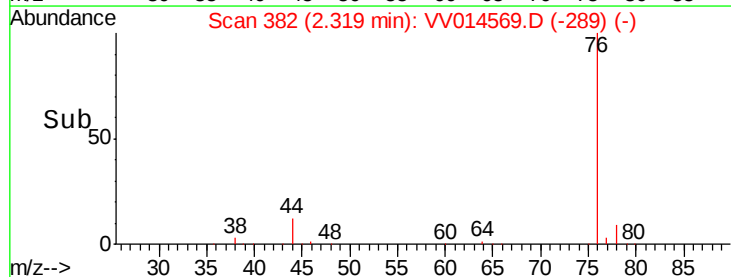
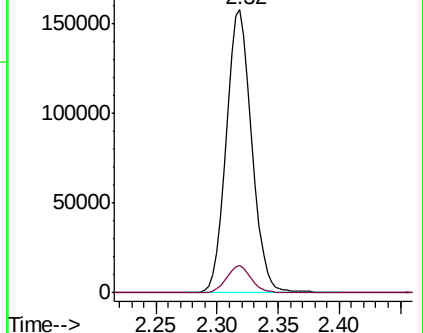
76 100

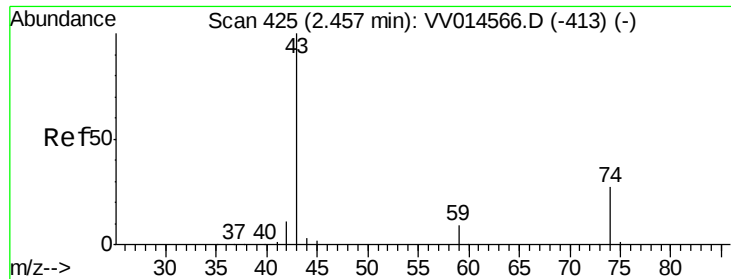
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014566.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014566.D (-370) (-)

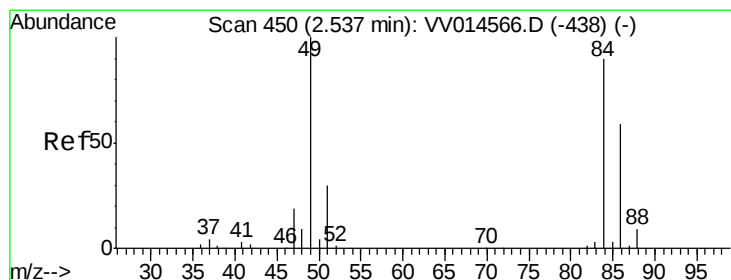
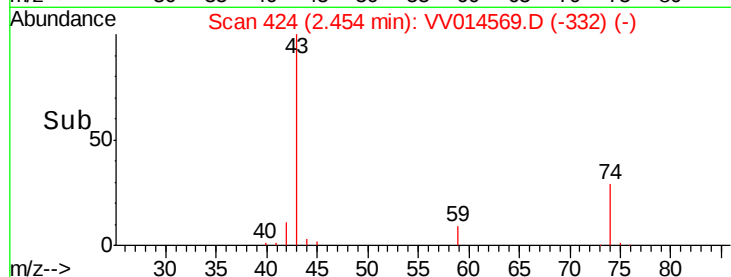
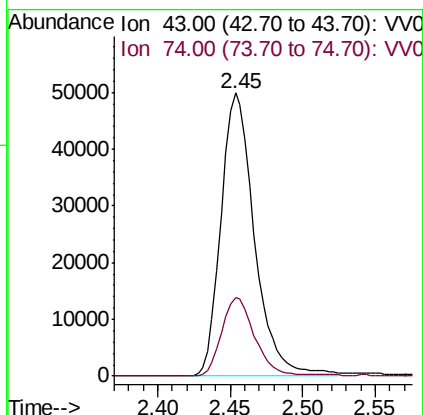
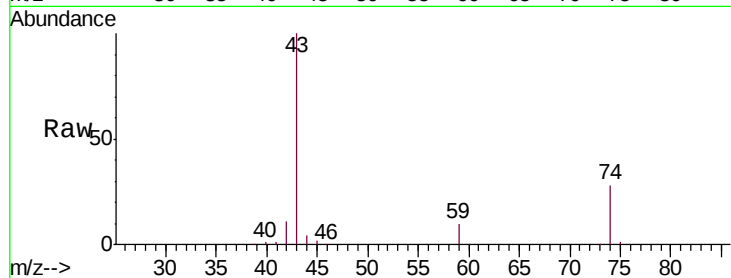




#15
Methyl Acetate
Concen: 49.957 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

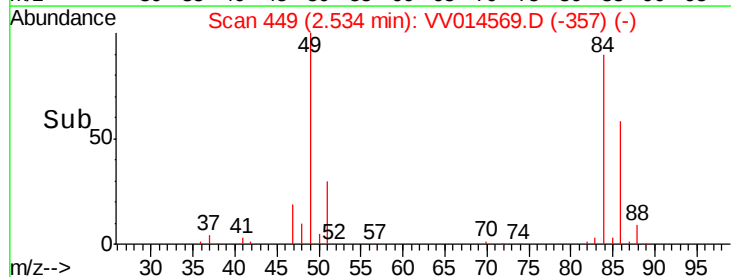
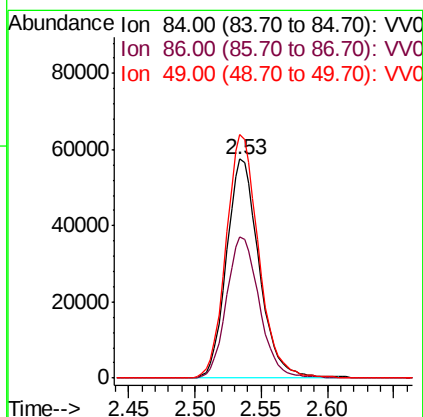
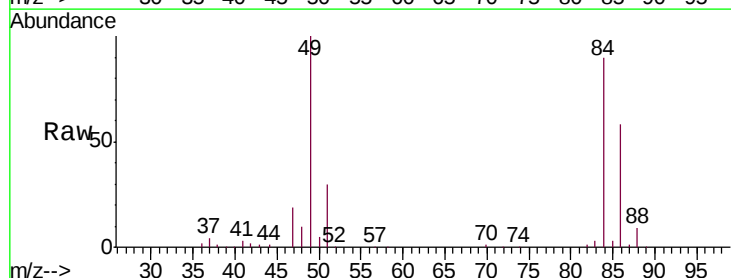
Instrument :
MSVOA_V
ClientSampled :
VICV65

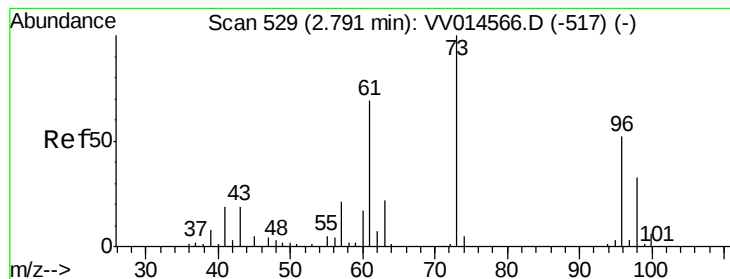
Tgt Ion: 43 Resp: 79309
Ion Ratio Lower Upper
43 100
74 27.7 21.4 32.2



#16
Methylene chloride
Concen: 50.498 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

Tgt Ion: 84 Resp: 98142
Ion Ratio Lower Upper
84 100
86 64.5 46.3 86.1
49 111.3 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 51.345 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleID :

VICV65

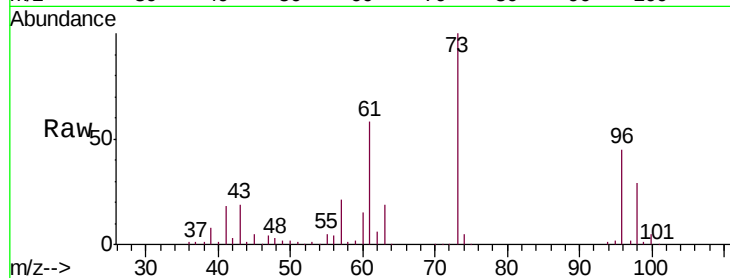
Tgt Ion: 96 Resp: 94174

Ion Ratio Lower Upper

96 100

61 129.3 93.0 172.6

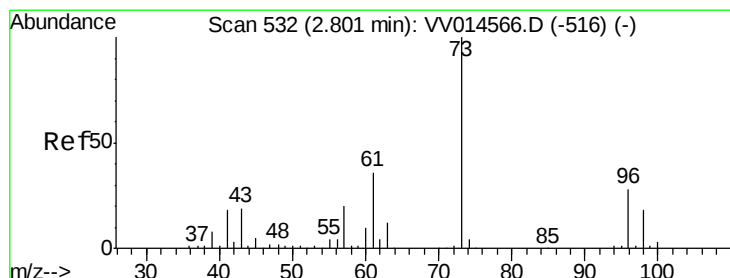
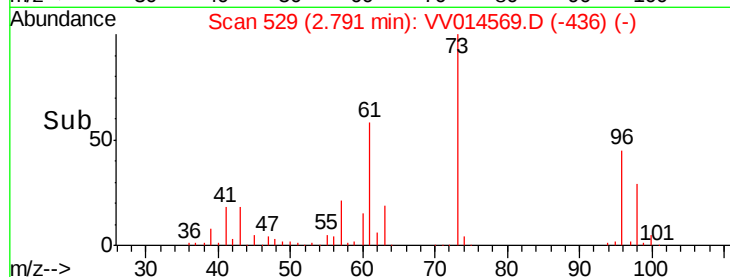
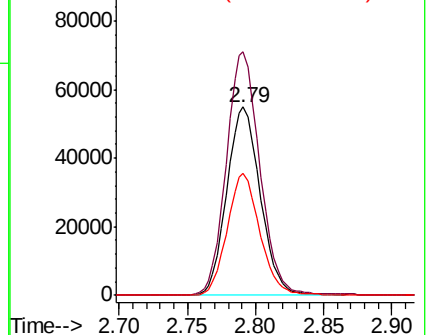
98 64.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.120 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

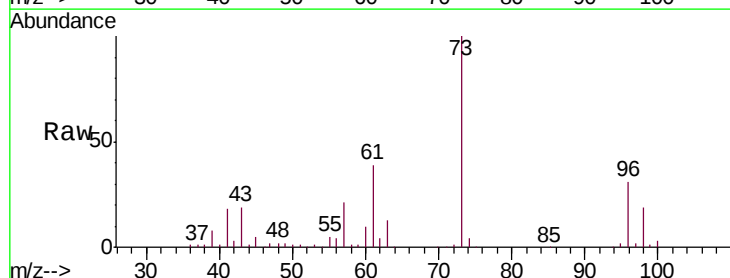
Tgt Ion: 73 Resp: 300668

Ion Ratio Lower Upper

73 100

43 18.7 15.1 22.7

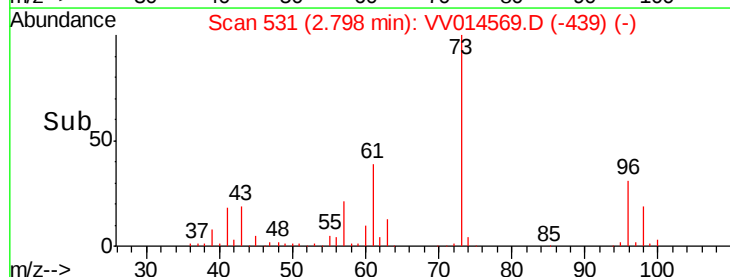
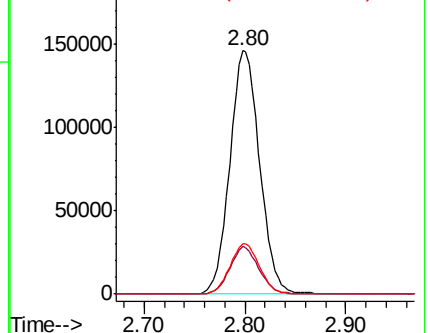
57 20.5 16.2 24.4

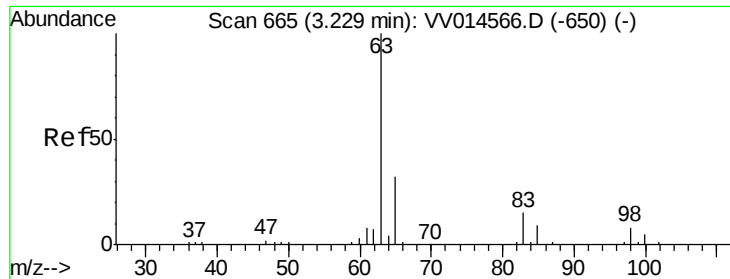


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

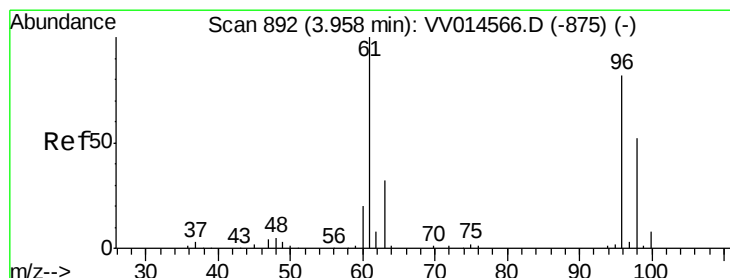
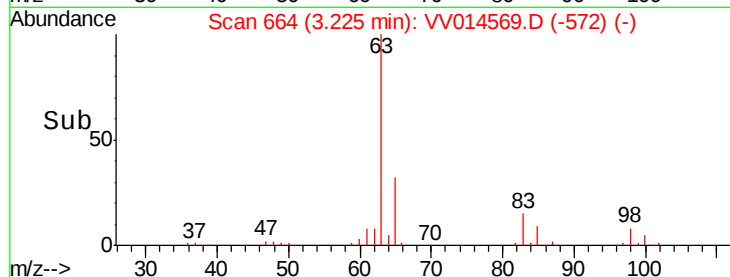
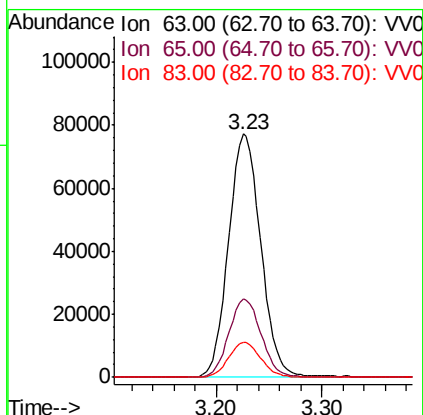
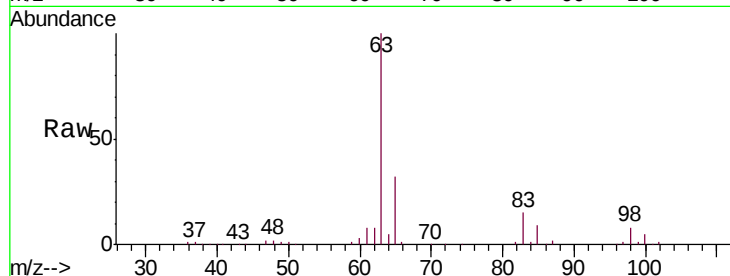




#19
 1,1-Dichloroethane
 Concen: 50.933 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

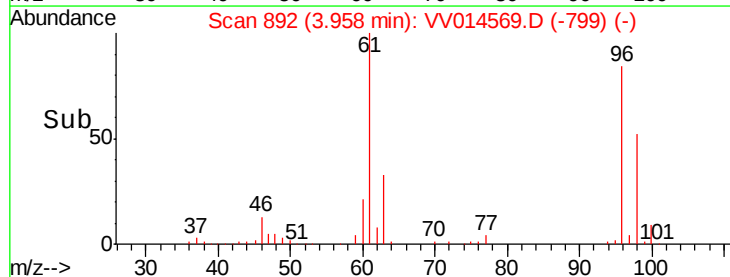
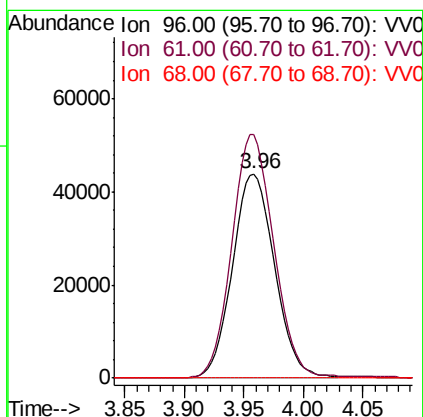
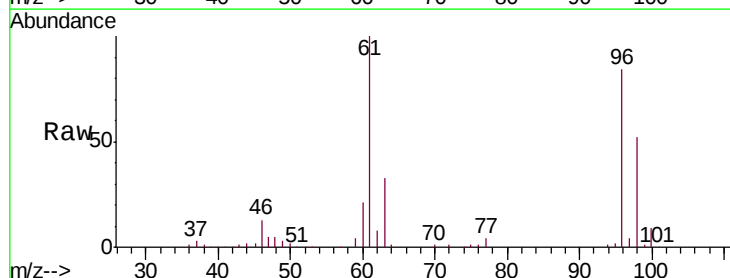
Instrument :
 MSVOA_V
 ClientSampled :
 VICV65

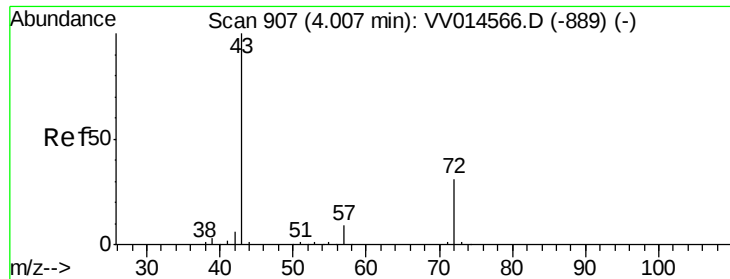
Tgt Ion: 63 Resp: 163805
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.2 41.2
 83 14.5 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.859 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Tgt Ion: 96 Resp: 107846
 Ion Ratio Lower Upper
 96 100
 61 119.0 85.9 159.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.388 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

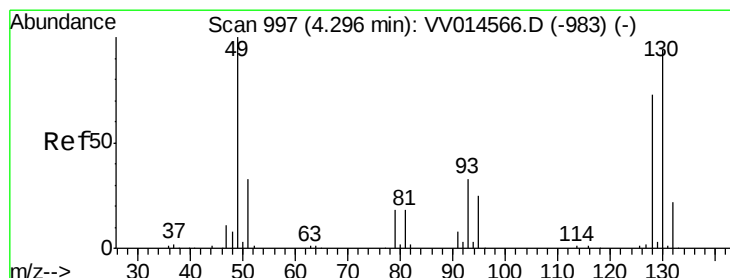
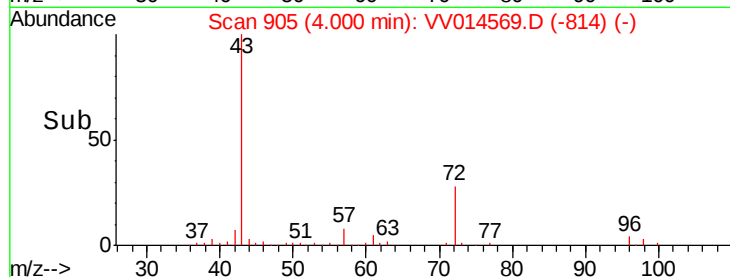
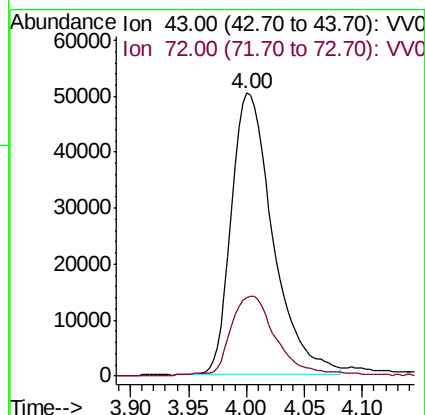
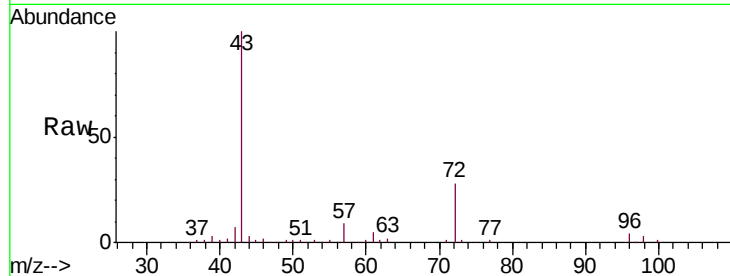
VICV65

Tgt Ion: 43 Resp: 125916

Ion Ratio Lower Upper

43 100

72 30.6 15.9 47.7



#23

Bromochloromethane

Concen: 51.548 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Tgt Ion: 128 Resp: 52944

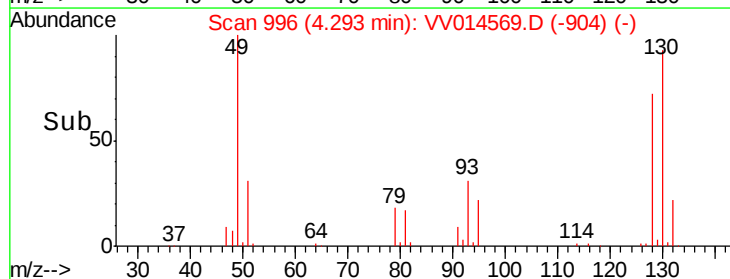
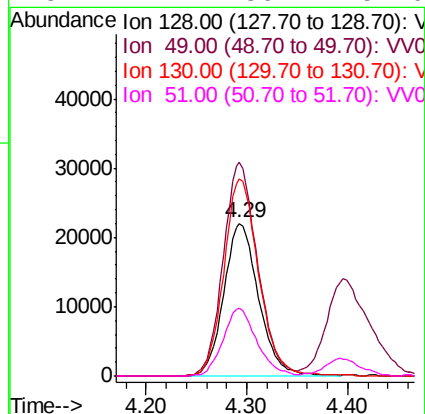
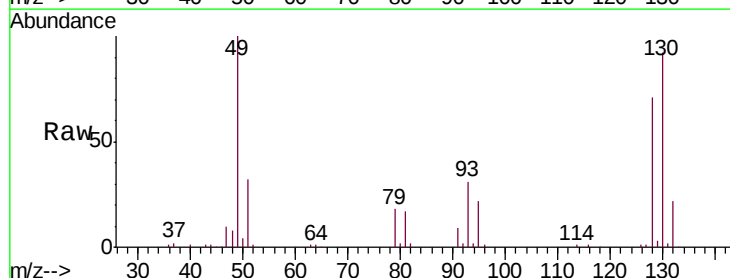
Ion Ratio Lower Upper

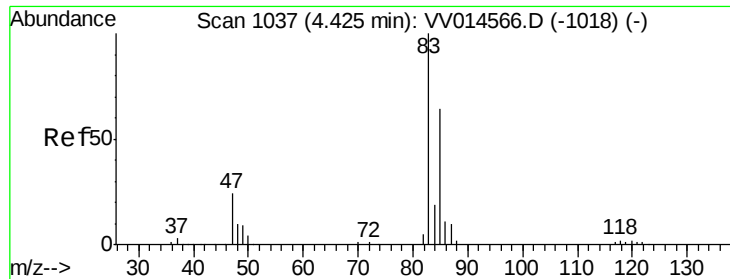
128 100

49 140.2 97.1 180.3

130 129.6 90.7 168.5

51 44.2 36.4 54.6

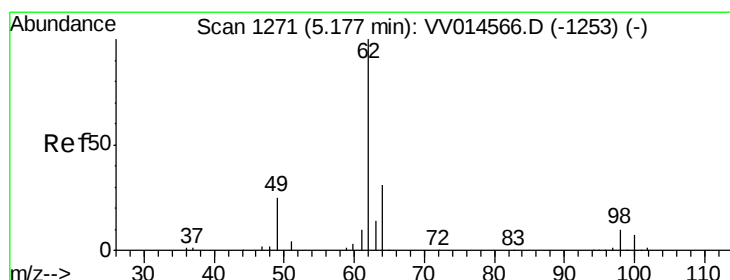
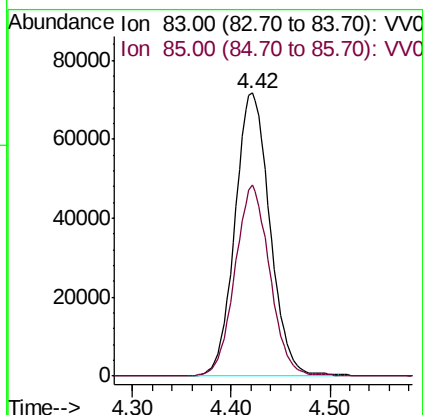
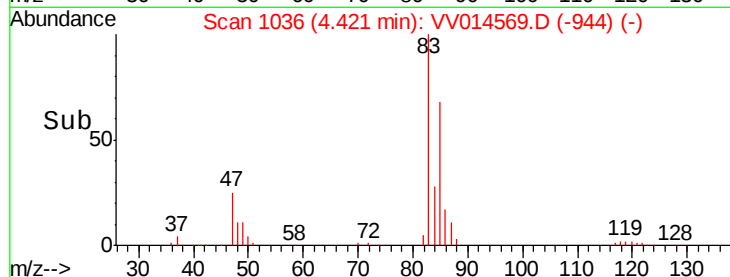
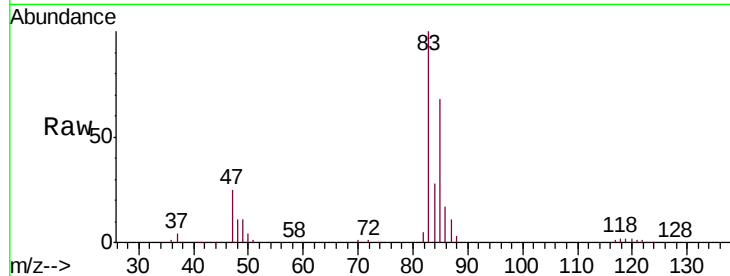




#25
Chloroform
Concen: 49.535 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

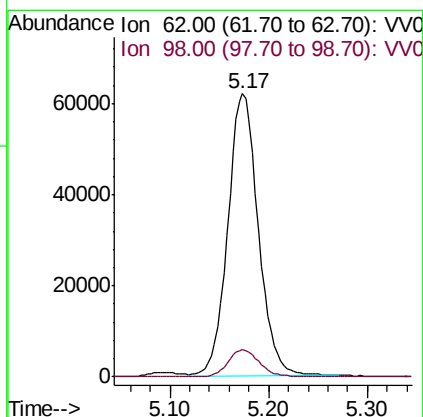
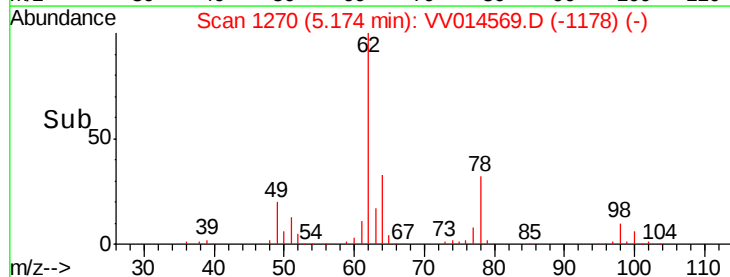
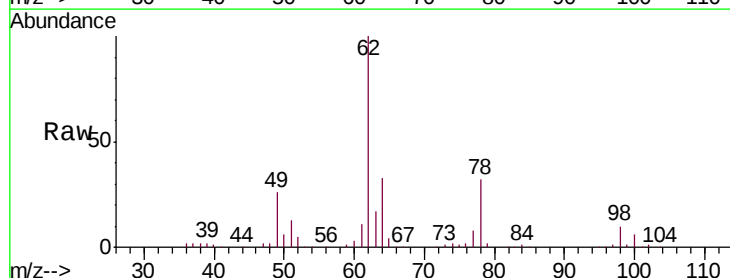
Instrument :
MSVOA_V
ClientSampleId :
VICV65

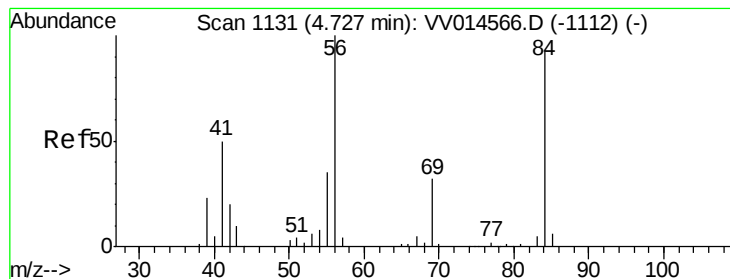
Tgt Ion: 83 Resp: 176265
Ion Ratio Lower Upper
83 100
85 67.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 51.238 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

Tgt Ion: 62 Resp: 134424
Ion Ratio Lower Upper
62 100
98 9.6 7.9 11.9





#29

Cyclohexane

Concen: 51.547 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

VICV65

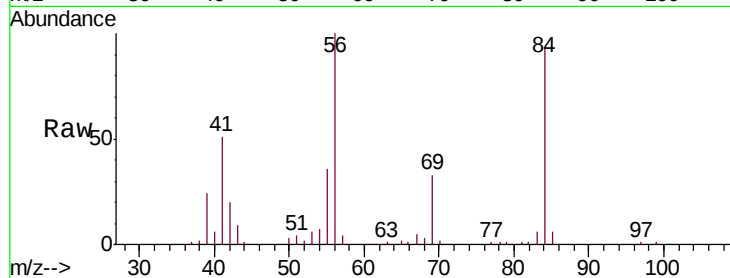
Tgt Ion: 56 Resp: 145920

Ion Ratio Lower Upper

56 100

69 33.2 26.5 39.7

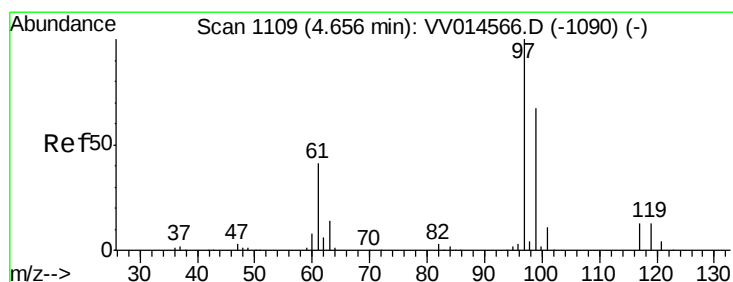
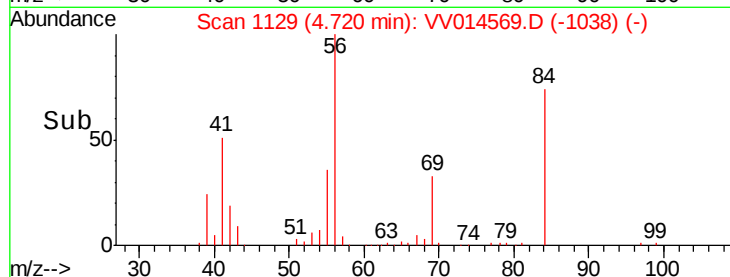
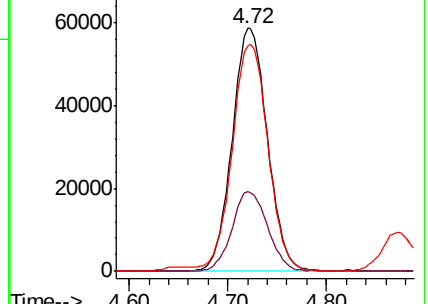
84 93.8 75.8 113.8



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: 51.361 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

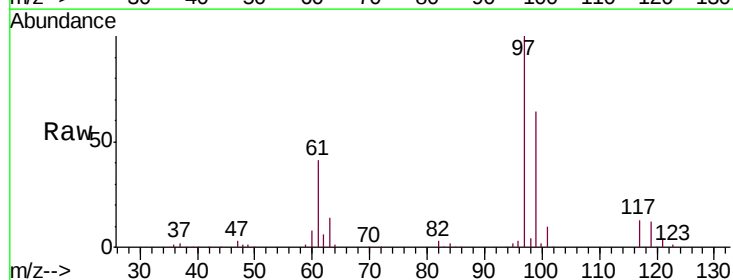
Tgt Ion: 97 Resp: 157998

Ion Ratio Lower Upper

97 100

99 63.5 51.2 76.8

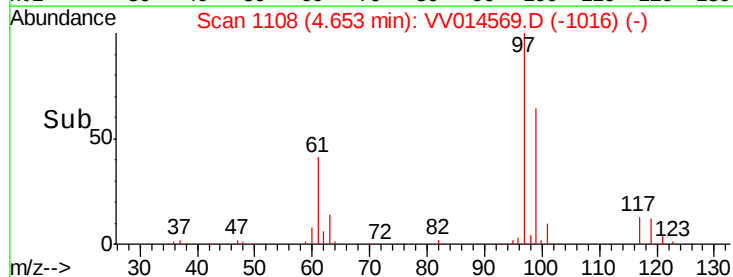
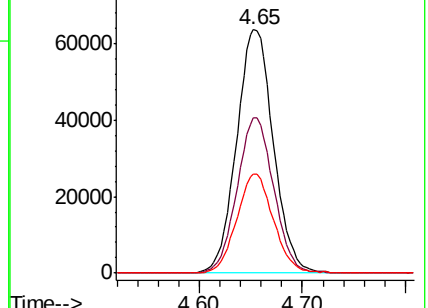
61 40.5 32.4 48.6

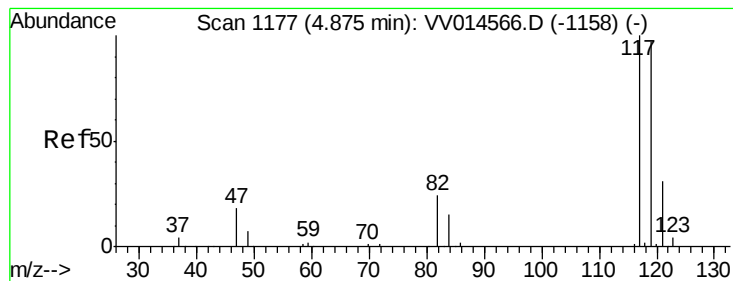


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.357 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

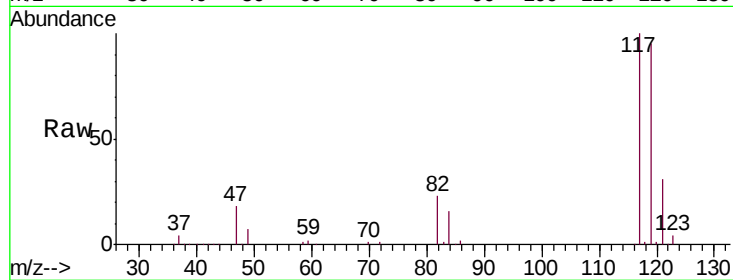
VICV65

Tgt Ion:117 Resp: 142655

Ion Ratio Lower Upper

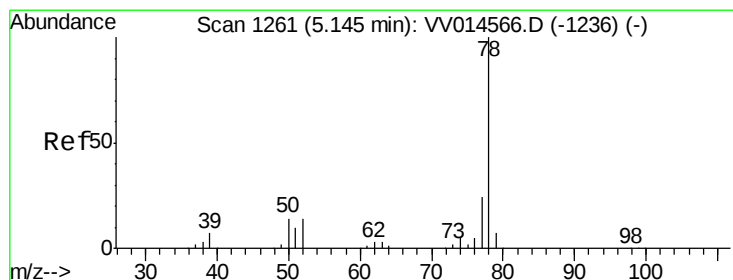
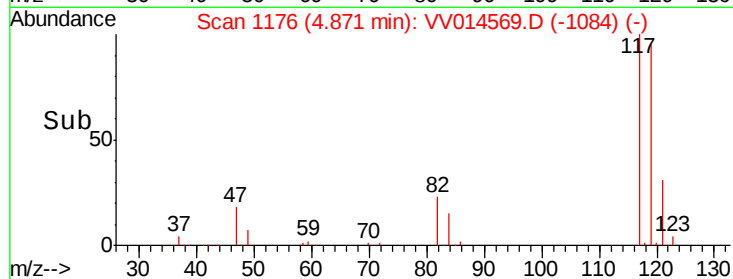
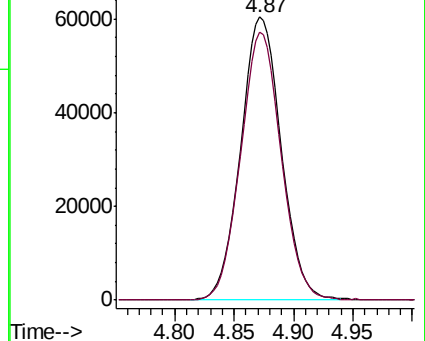
117 100

119 94.4 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.106 ug/L

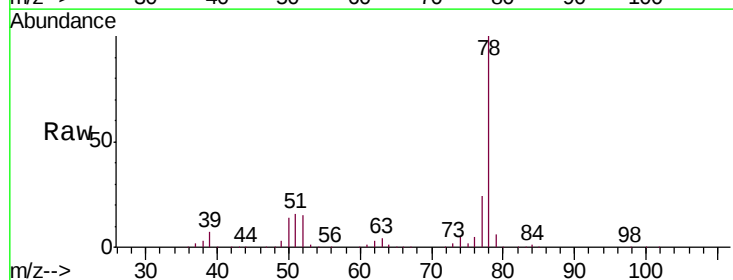
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

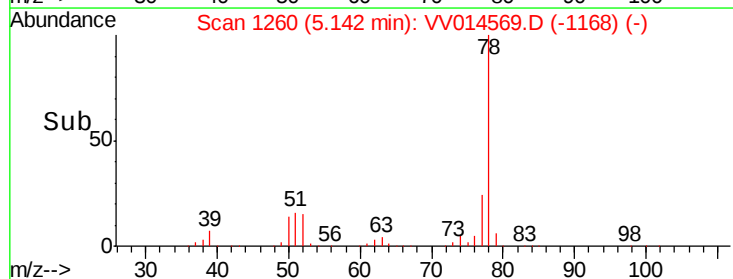
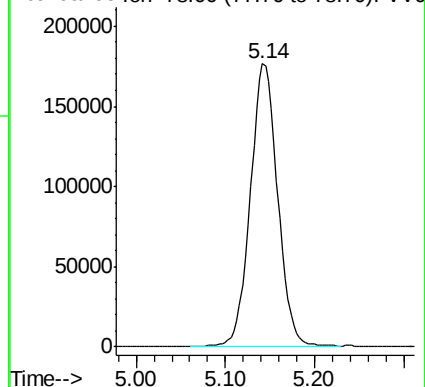
Lab File: VV014569.D

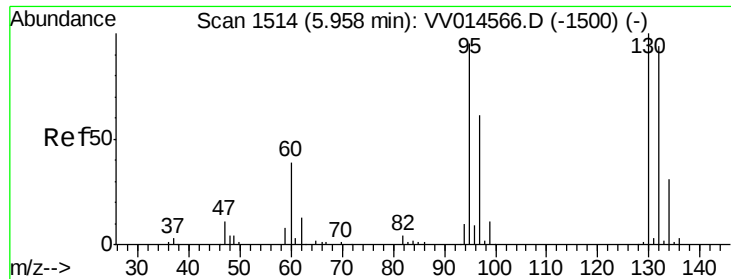
Acq: 12 Feb 2020 13:12

Tgt Ion: 78 Resp: 379429



Abundance Ion 78.00 (77.70 to 78.70): VV0

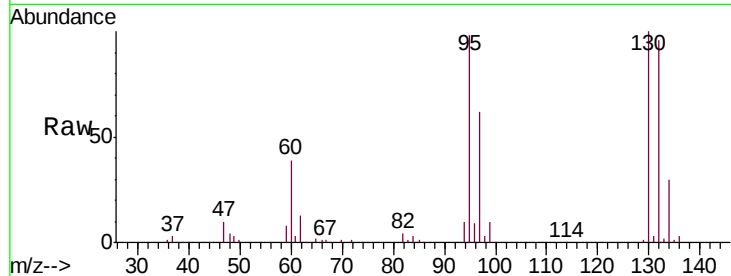




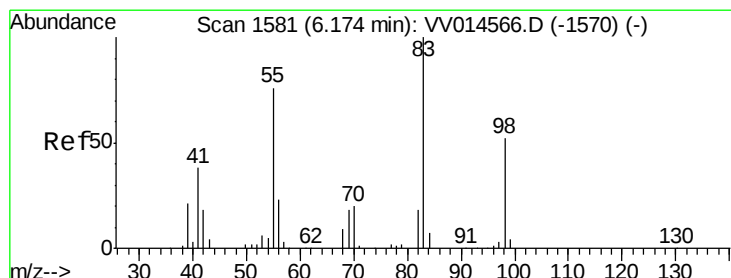
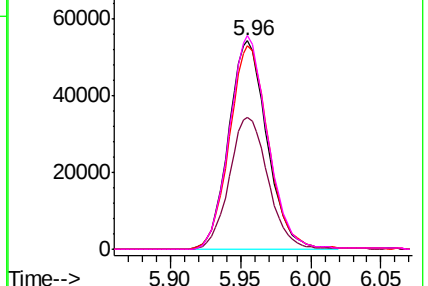
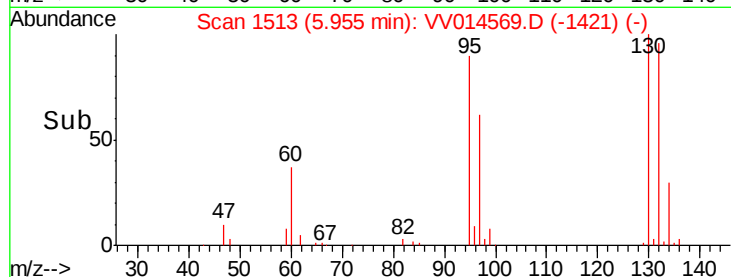
#34
 Trichloroethene
 Concen: 51.683 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion:	95	Resp:	103545
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.3	84.1
132	97.9	69.6	129.2
130	102.4	74.0	137.4

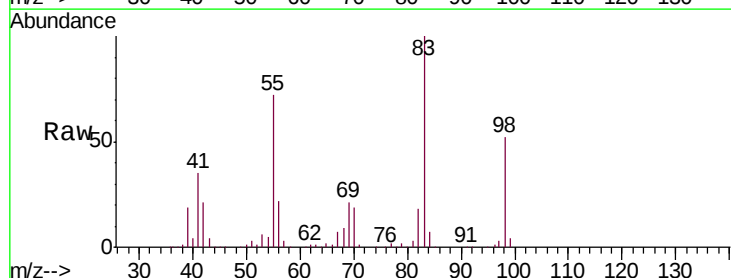


Abundance Ion 95.00 (94.70 to 95.70): VV014569.D (-1421) (-)
 Ion 97.00 (96.70 to 97.70): VV014569.D (-1421) (-)
 Ion 132.00 (131.70 to 132.70): VV014569.D (-1421) (-)
 Ion 130.00 (129.70 to 130.70): VV014569.D (-1421) (-)

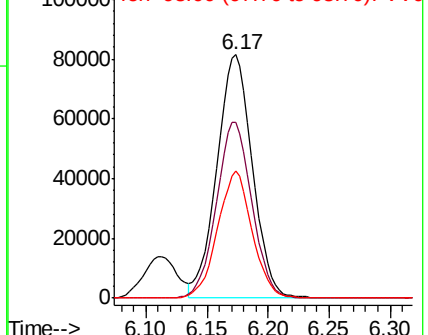
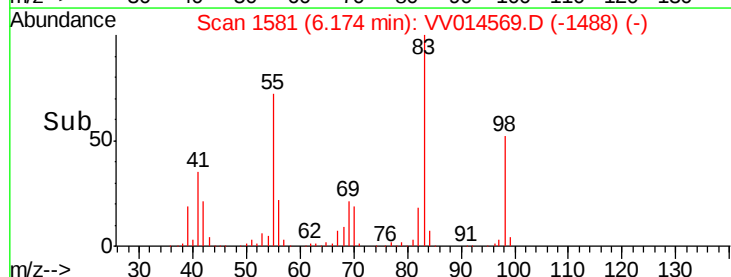


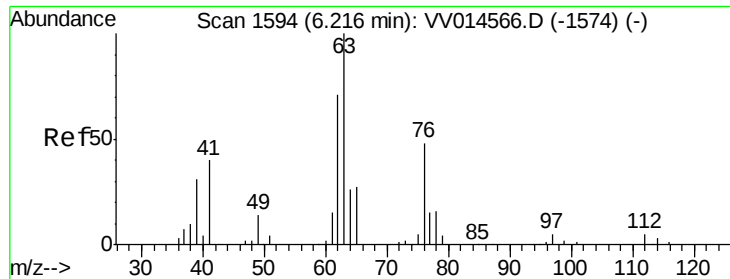
#35
 Methylcyclohexane
 Concen: 52.884 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Tgt Ion:	83	Resp:	165888
Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.8	86.6
98	50.8	39.7	59.5



Abundance Ion 83.00 (82.70 to 83.70): VV014569.D (-1488) (-)
 Ion 55.00 (54.70 to 55.70): VV014569.D (-1488) (-)
 Ion 98.00 (97.70 to 98.70): VV014569.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 51.609 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

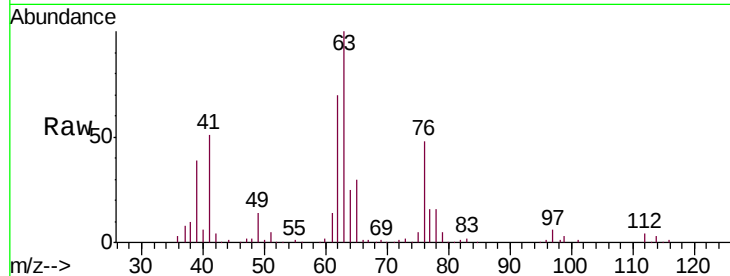
VICV65

Tgt Ion: 63 Resp: 94613

Ion Ratio Lower Upper

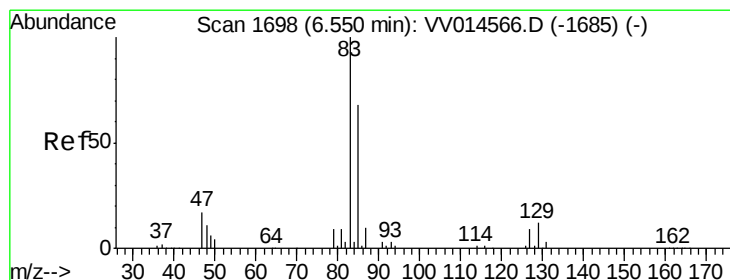
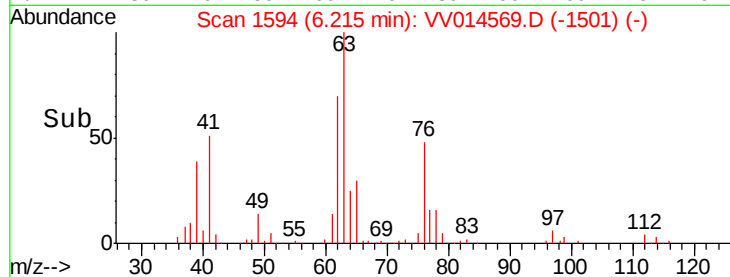
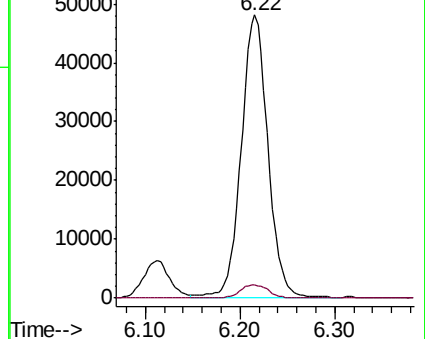
63 100

112 4.9 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VV014566.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV014566.D (-1574) (-)



#38

Bromodichloromethane

Concen: 51.486 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

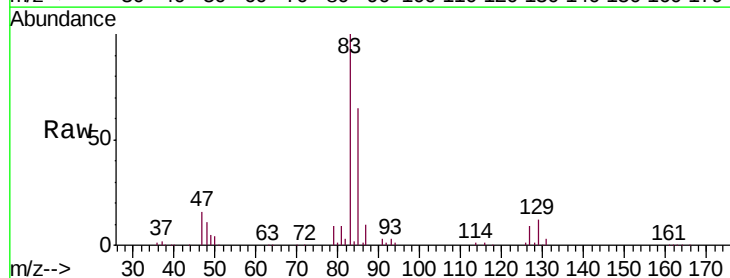
Tgt Ion: 83 Resp: 138404

Ion Ratio Lower Upper

83 100

85 64.7 47.3 87.8

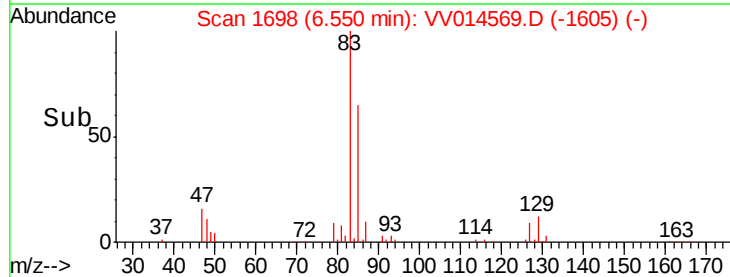
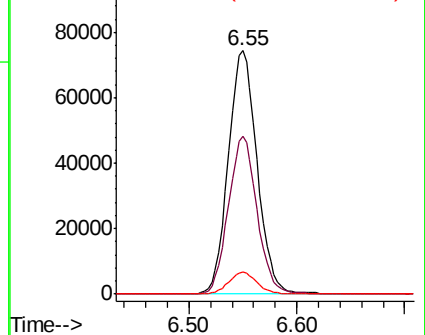
127 8.9 7.5 11.3

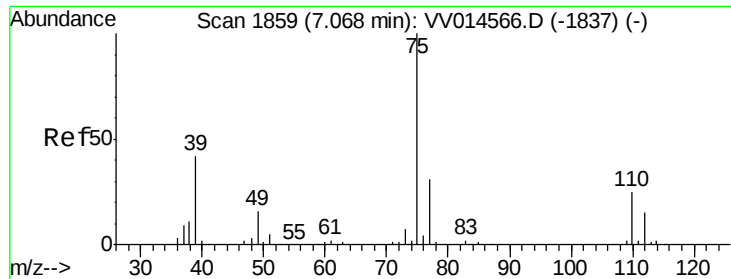


Abundance Ion 83.00 (82.70 to 83.70): VV014566.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV014566.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV014566.D (-1685) (-)

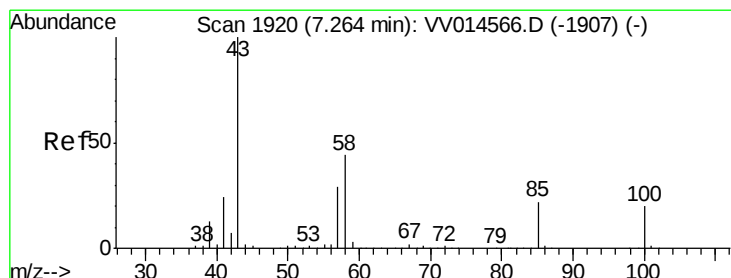
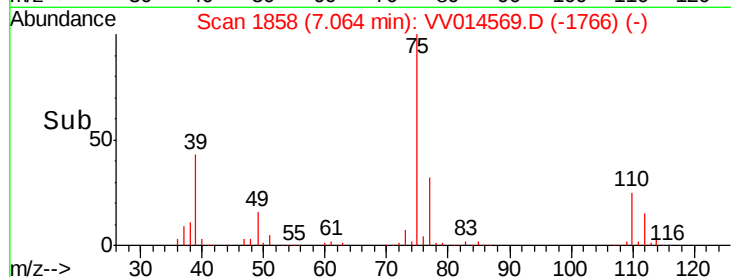
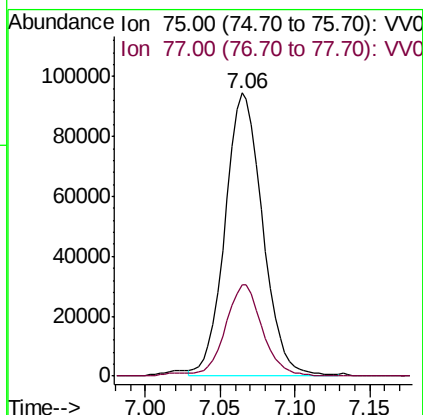
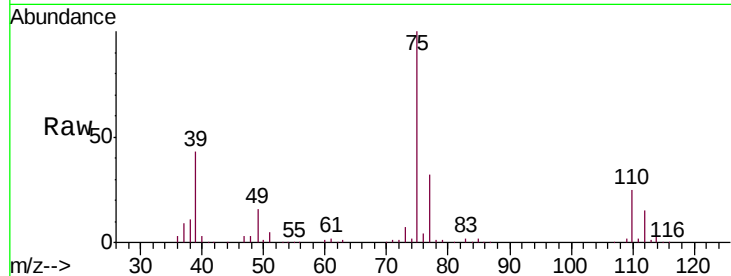




#39
 cis-1,3-Dichloropropene
 Concen: 50.998 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

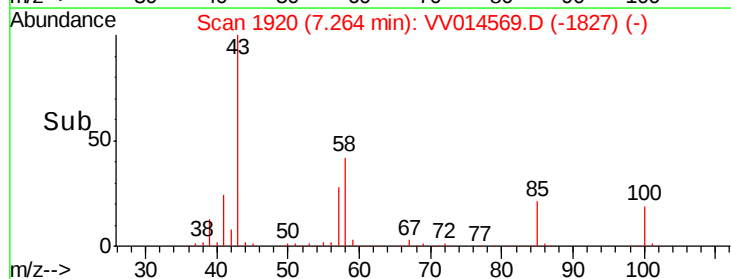
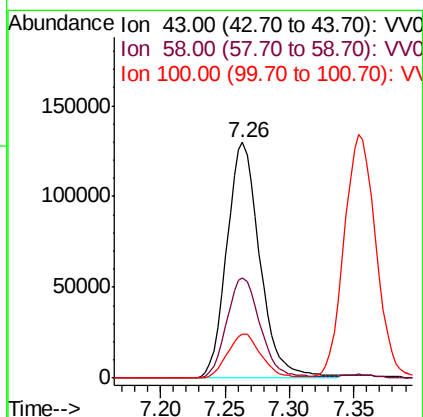
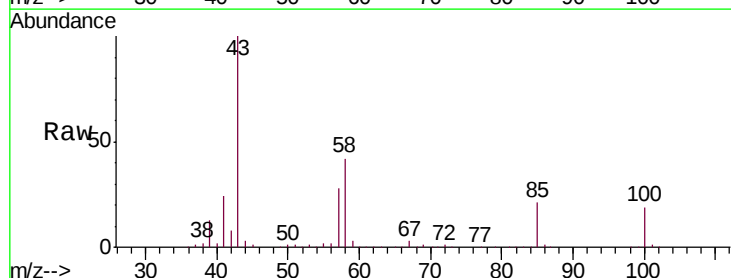
Instrument :
 MSVOA_V
 ClientSampled :
 VICV65

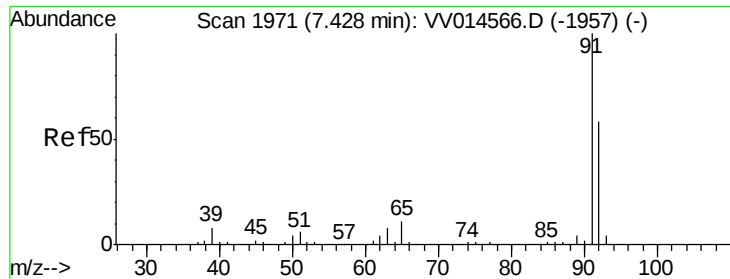
Tgt Ion: 75 Resp: 165048
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 101.927 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Tgt Ion: 43 Resp: 230815
 Ion Ratio Lower Upper
 43 100
 58 43.3 35.0 52.6
 100 19.2 15.7 23.5





#42

Toluene

Concen: 51.645 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampled :

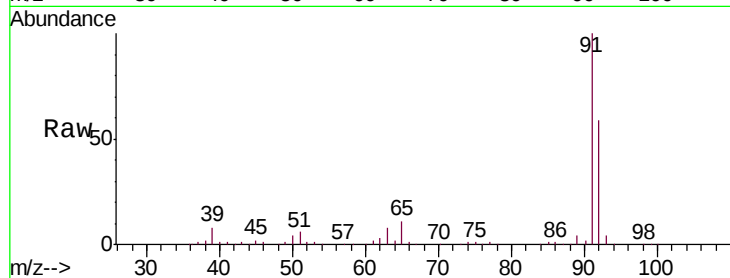
VICV65

Tgt Ion: 91 Resp: 418121

Ion Ratio Lower Upper

91 100

92 59.4 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV014566.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014566.D (-1957) (-)

7.43

250000

200000

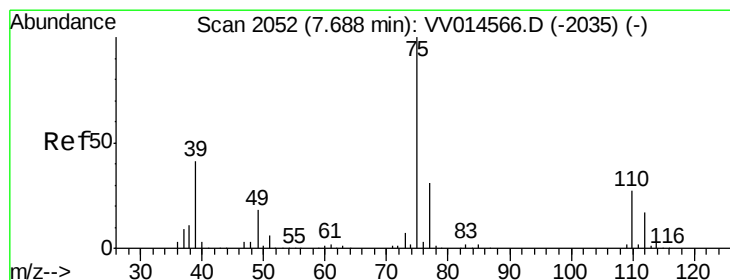
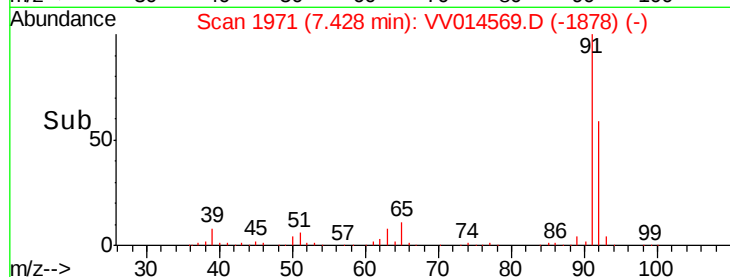
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.562 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014569.D

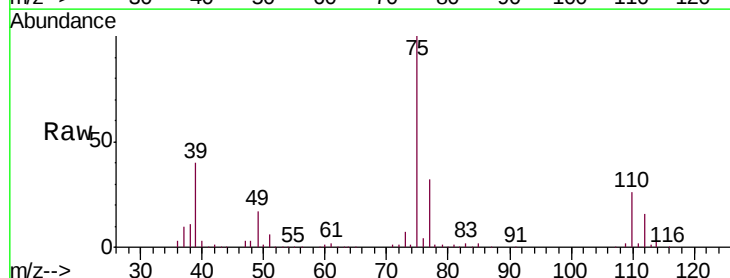
Acq: 12 Feb 2020 13:12

Tgt Ion: 75 Resp: 150706

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV014566.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014566.D (-2035) (-)

7.69

100000

80000

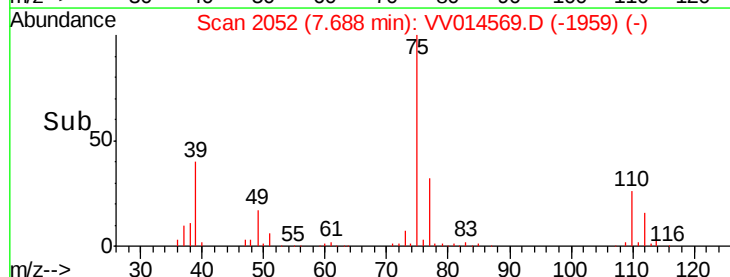
60000

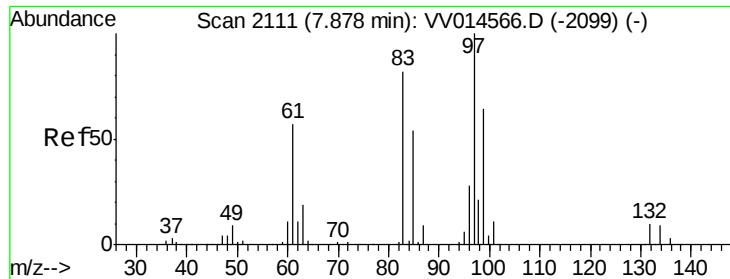
40000

20000

0

Time-->

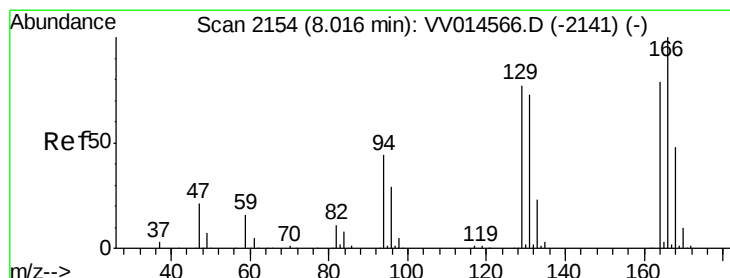
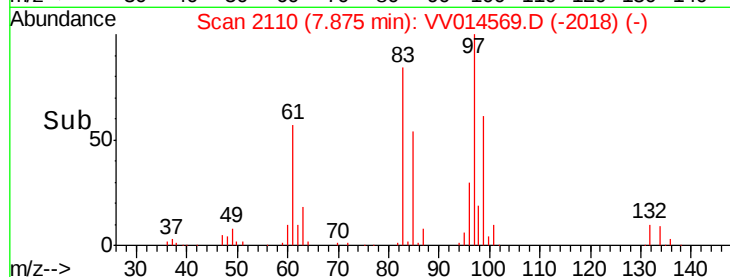
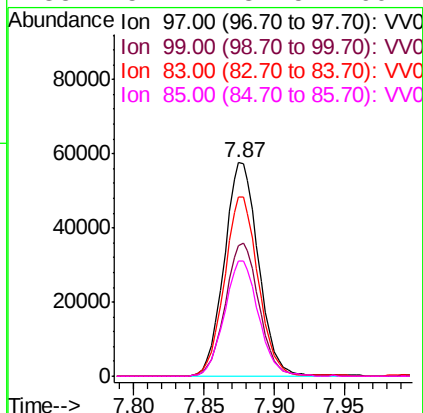
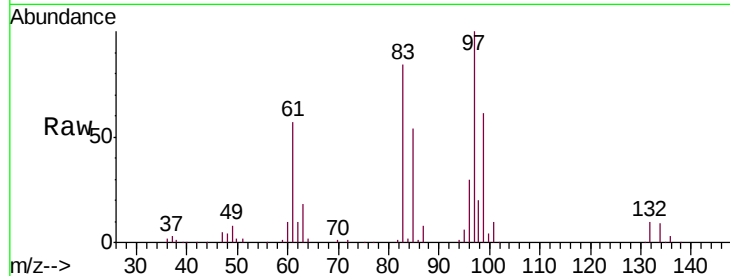




#45
 1,1,2-Trichloroethane
 Concen: 51.488 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

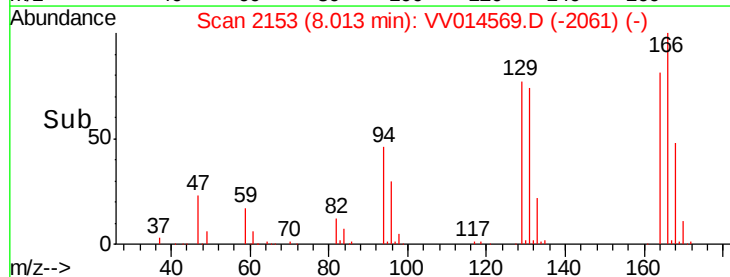
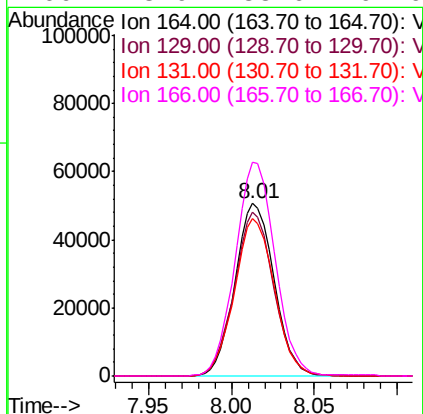
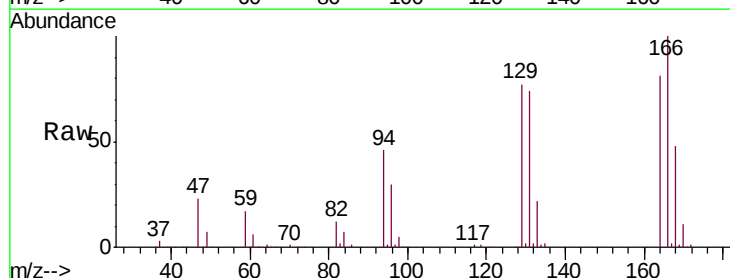
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

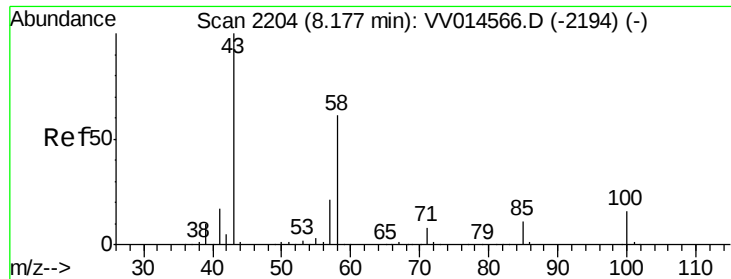
Tgt Ion:	97	Resp:	97502
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.9	83.3
83	83.8	57.5	106.7
85	54.2	37.5	69.7



#46
 Tetrachloroethene
 Concen: 52.811 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Tgt Ion:	164	Resp:	83200
Ion	Ratio	Lower	Upper
164	100		
129	95.1	67.8	126.0
131	91.5	64.5	119.9
166	123.9	88.6	164.6

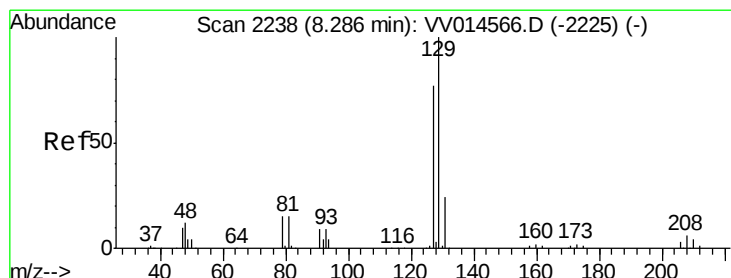
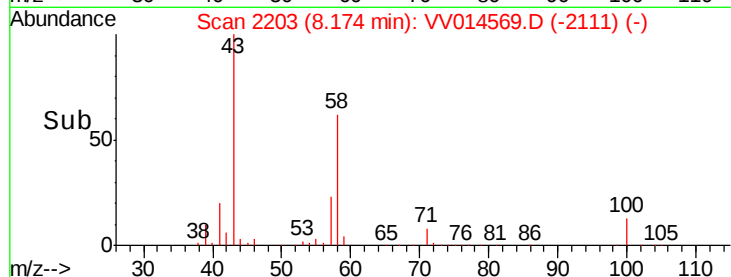
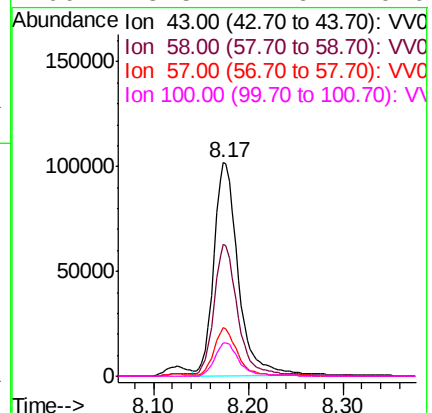
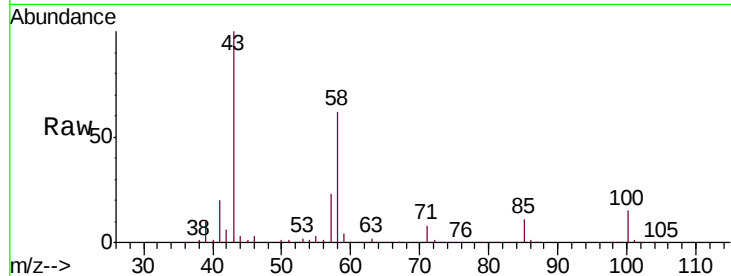




#48
2-Hexanone
Concen: 103.634 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

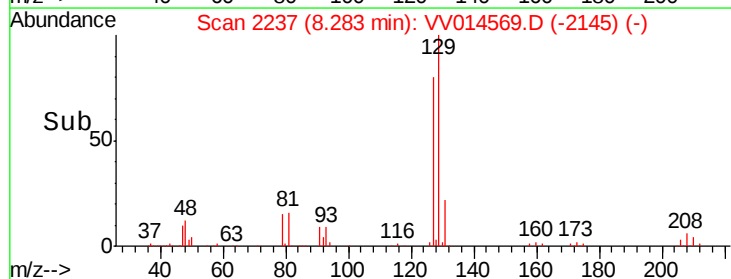
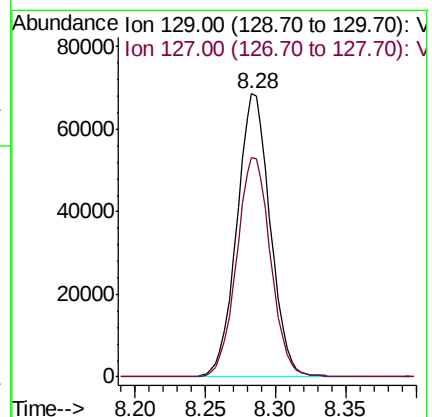
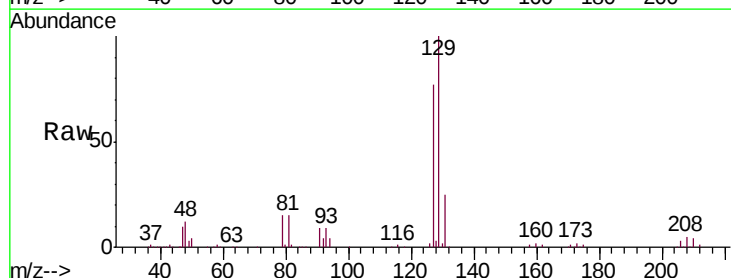
Instrument :
MSVOA_V
ClientSampled :
VICV65

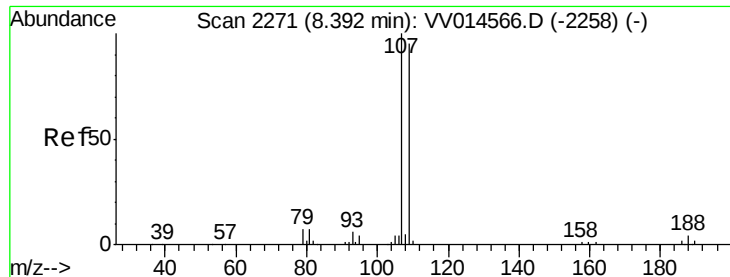
Tgt Ion: 43 Resp: 182968
Ion Ratio Lower Upper
43 100
58 60.0 50.4 75.6
57 20.6 17.8 26.6
100 15.5 12.6 19.0



#49
Dibromochloromethane
Concen: 50.339 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014569.D
Acq: 12 Feb 2020 13:12

Tgt Ion: 129 Resp: 113612
Ion Ratio Lower Upper
129 100
127 77.4 54.3 100.8





#50

1,2-Dibromoethane

Concen: 50.981 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

VICV65

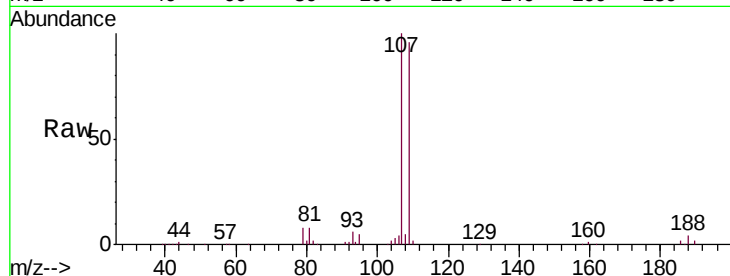
Tgt Ion:107 Resp: 104461

Ion Ratio Lower Upper

107 100

109 96.1 66.1 122.8

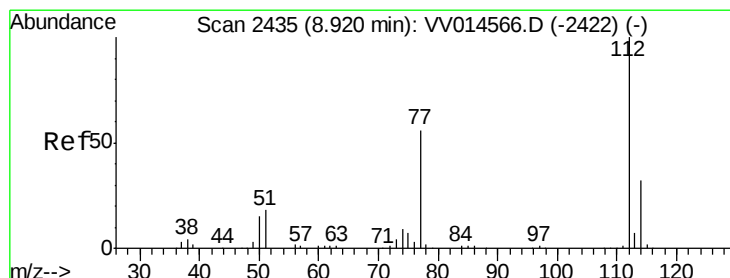
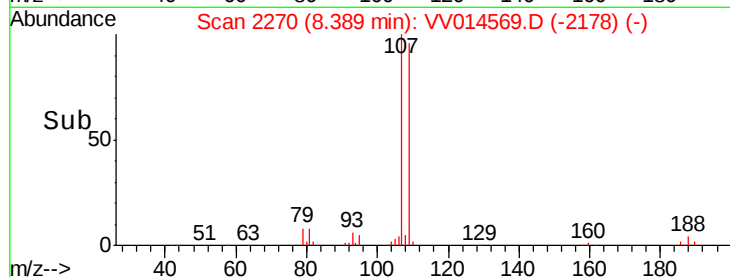
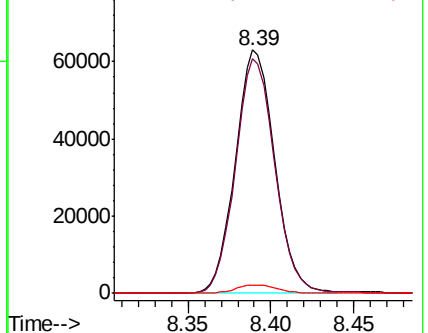
188 3.6 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.603 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

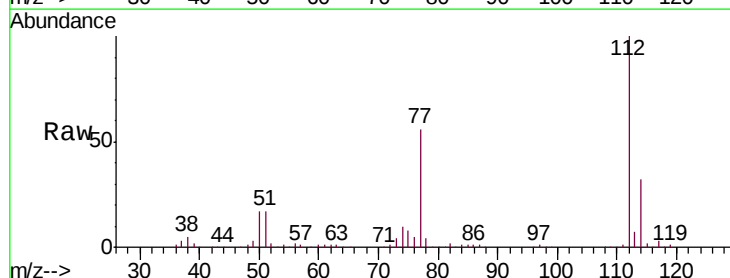
Tgt Ion:112 Resp: 279312

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

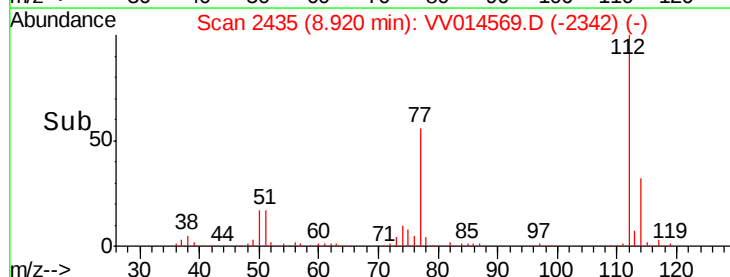
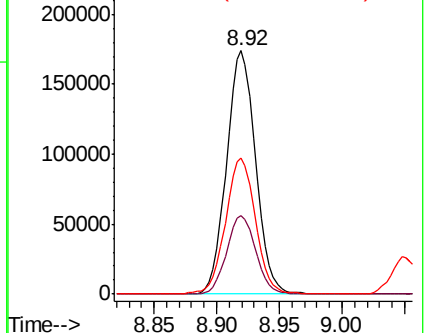
77 56.0 45.3 67.9

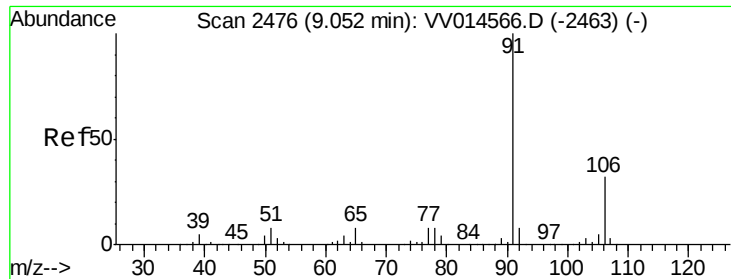


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 51.890 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

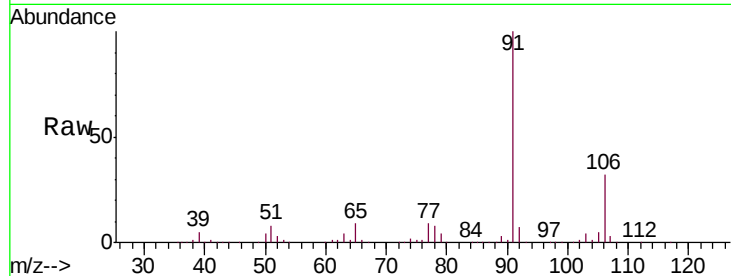
VICV65

Tgt Ion: 91 Resp: 476544

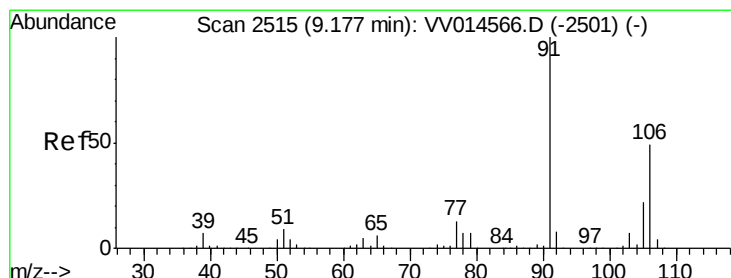
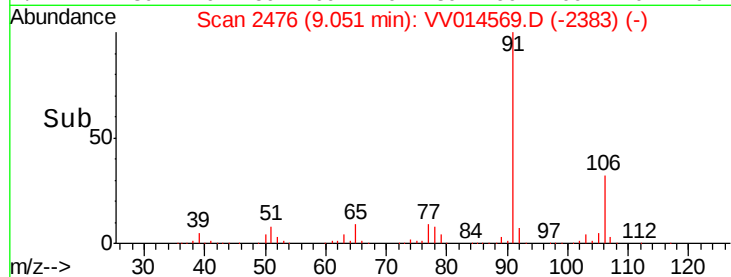
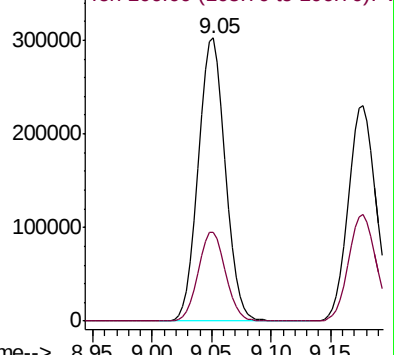
Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV014566.D (-2463) (-)



#53

m,p-Xylene

Concen: 51.503 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014569.D

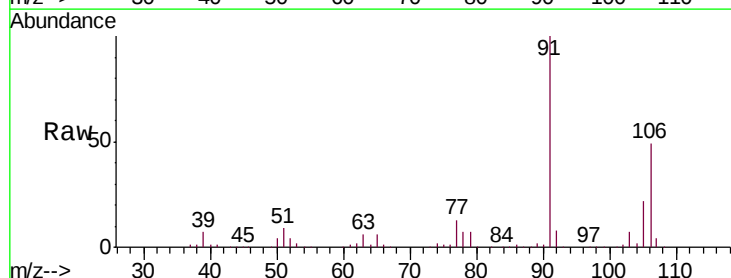
Acq: 12 Feb 2020 13:12

Tgt Ion: 106 Resp: 184659

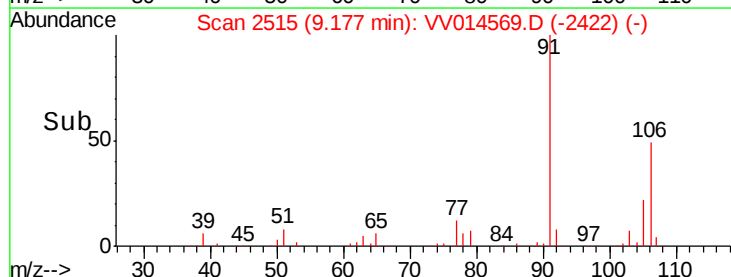
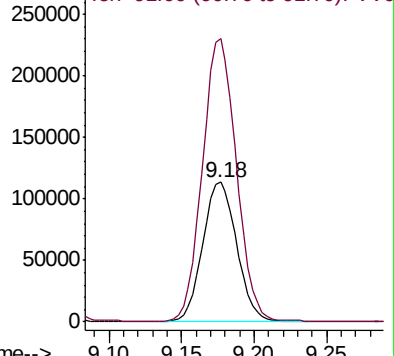
Ion Ratio Lower Upper

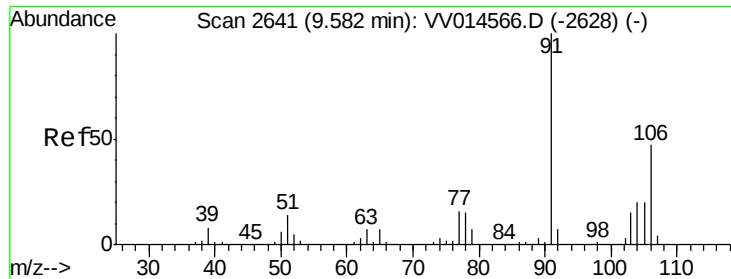
106 100

91 202.3 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): VV014566.D (-2501) (-)





#54

o-xylene

Concen: 52.037 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

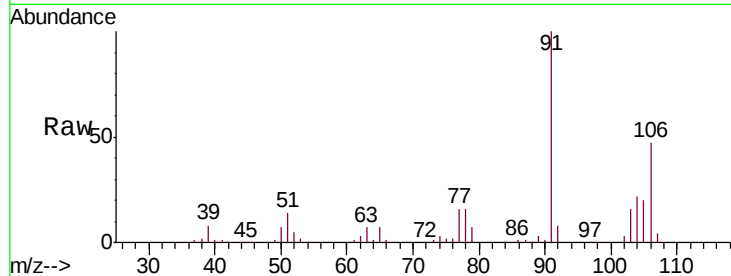
VICV65

Tgt Ion:106 Resp: 178333

Ion Ratio Lower Upper

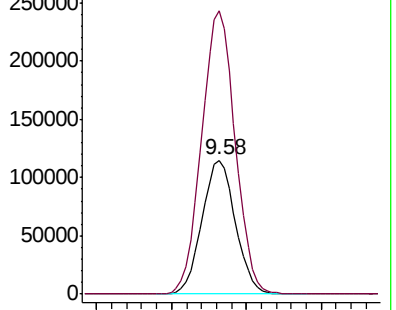
106 100

91 210.9 150.5 279.5

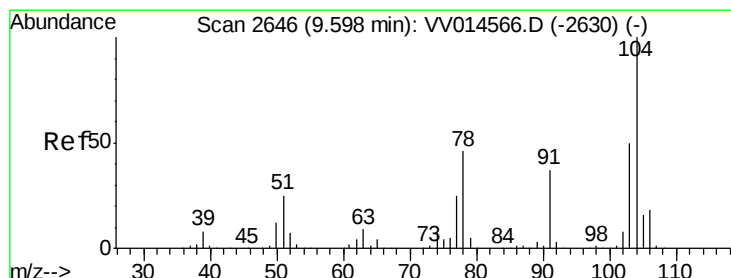
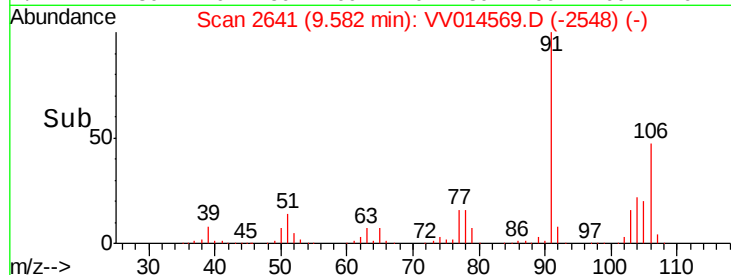


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 52.431 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014569.D

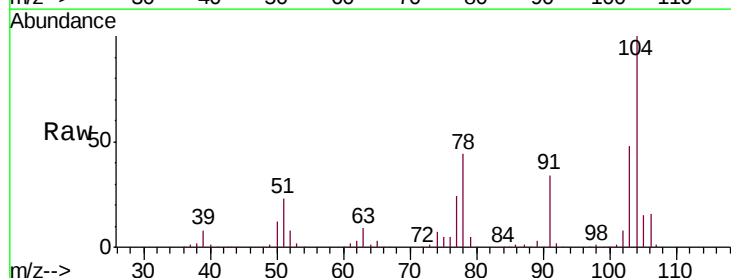
Acq: 12 Feb 2020 13:12

Tgt Ion:104 Resp: 308749

Ion Ratio Lower Upper

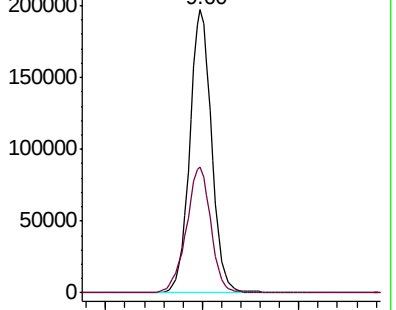
104 100

78 44.4 31.9 59.2

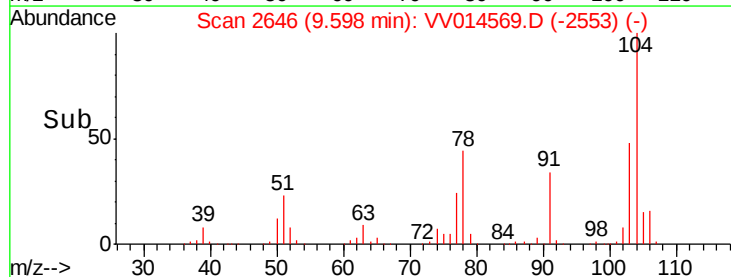


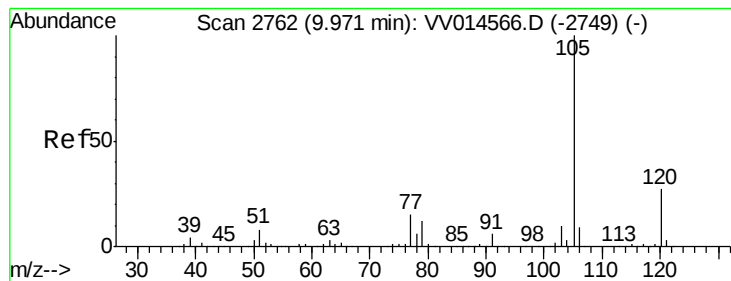
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 52.060 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

VICV65

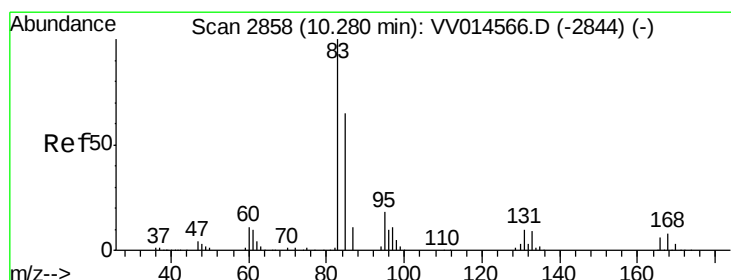
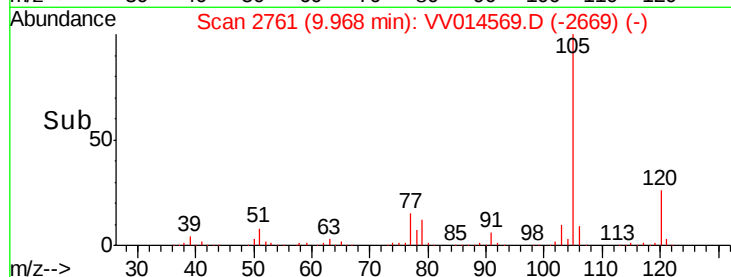
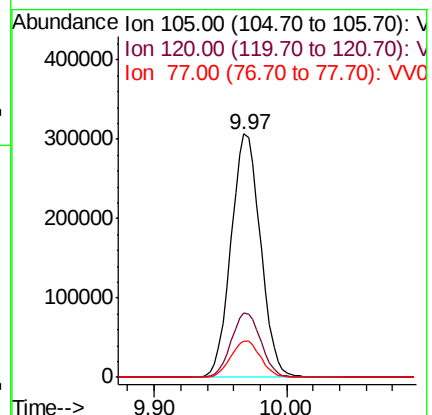
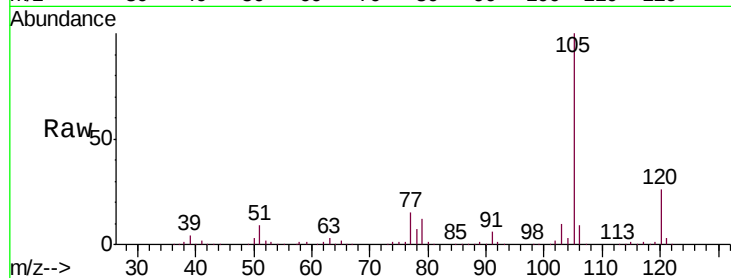
Tgt Ion: 105 Resp: 474560

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

77 15.2 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 50.973 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

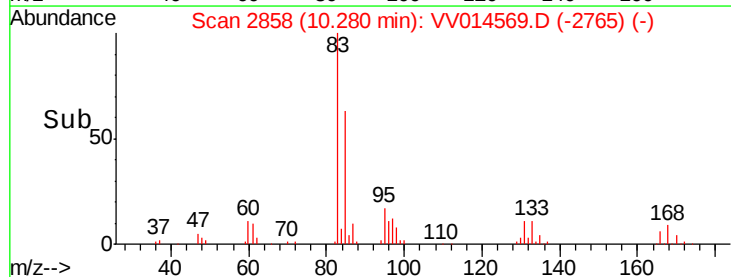
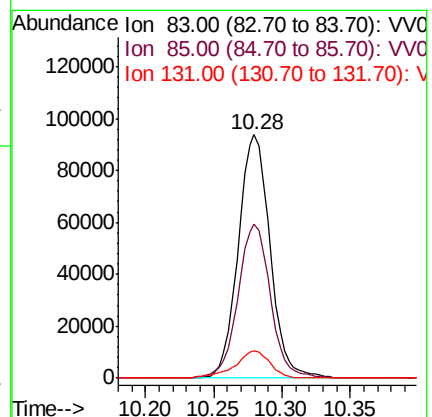
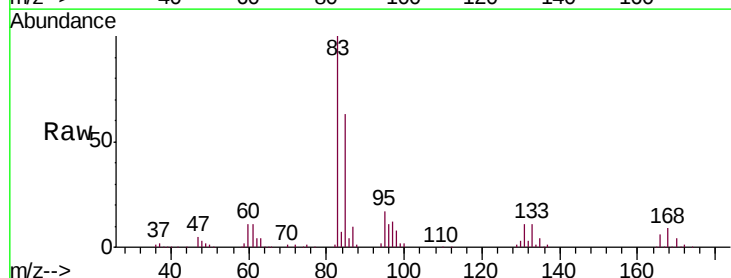
Tgt Ion: 83 Resp: 152497

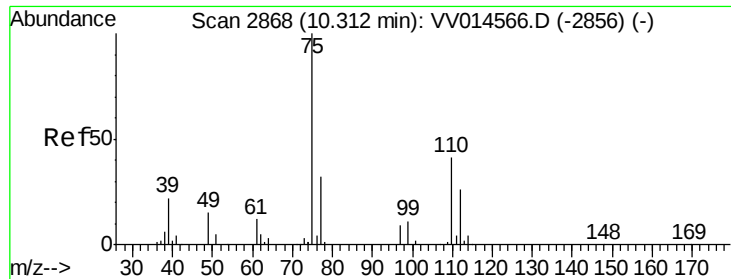
Ion Ratio Lower Upper

83 100

85 63.0 45.7 84.9

131 11.1 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 50.073 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampled :

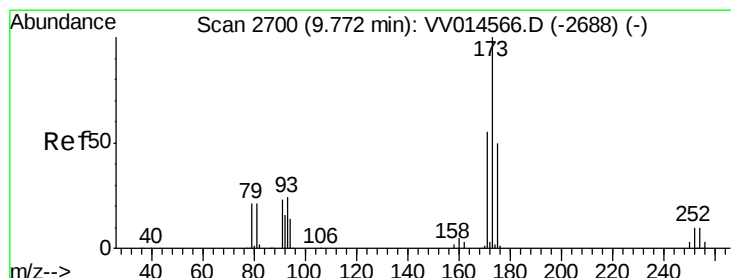
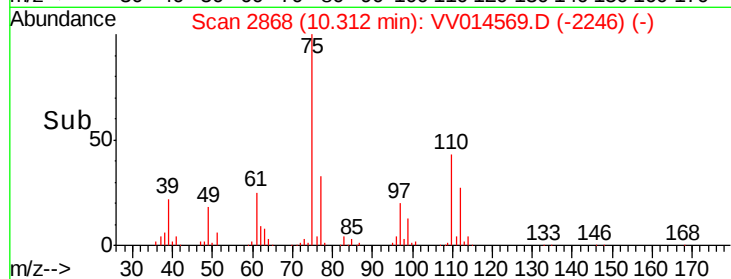
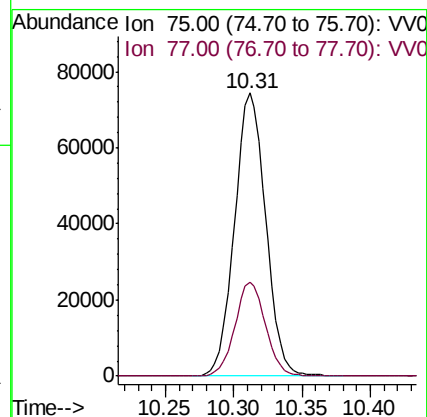
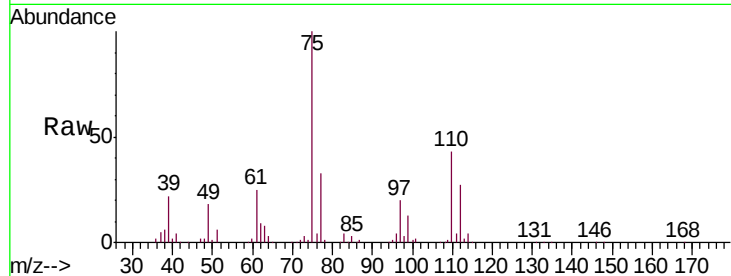
VICV65

Tgt Ion: 75 Resp: 118133

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#61

Bromoform

Concen: 50.510 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

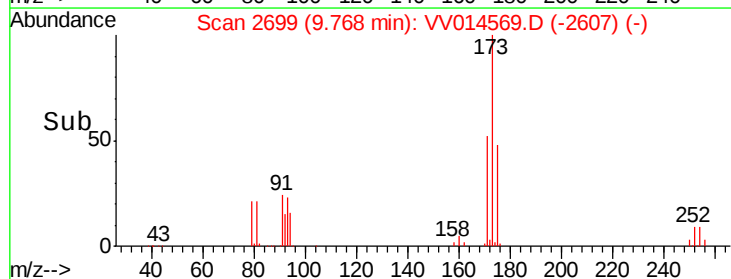
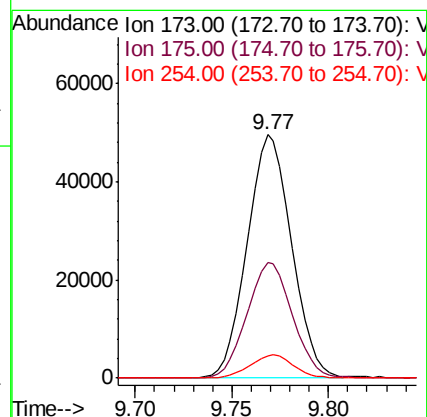
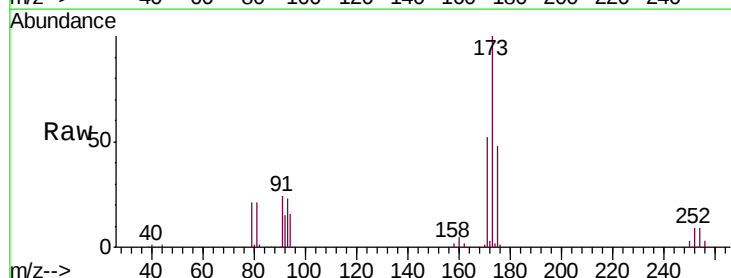
Tgt Ion: 173 Resp: 79150

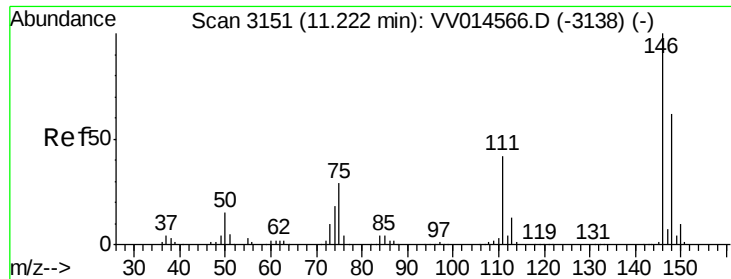
Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 9.3 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 51.259 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

VICV65

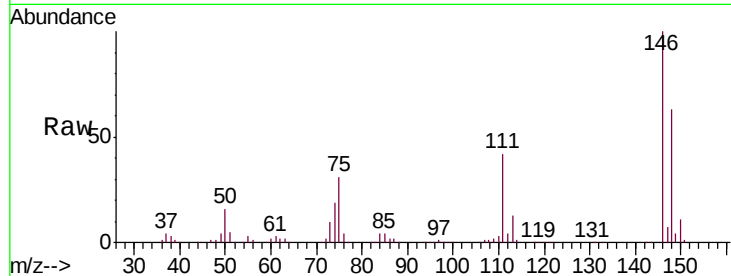
Tgt Ion:146 Resp: 224445

Ion Ratio Lower Upper

146 100

111 41.9 29.4 54.6

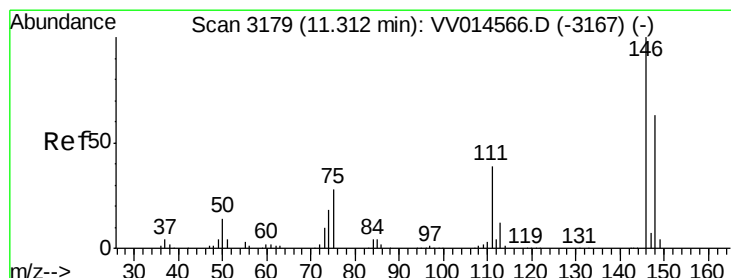
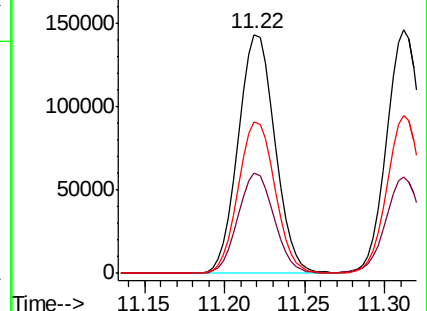
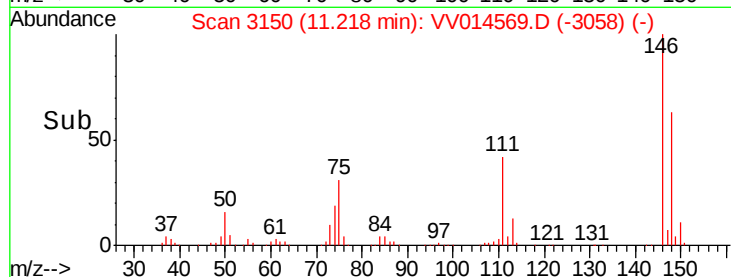
148 63.4 43.6 81.0



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



#63

1,4-Dichlorobenzene

Concen: 50.771 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

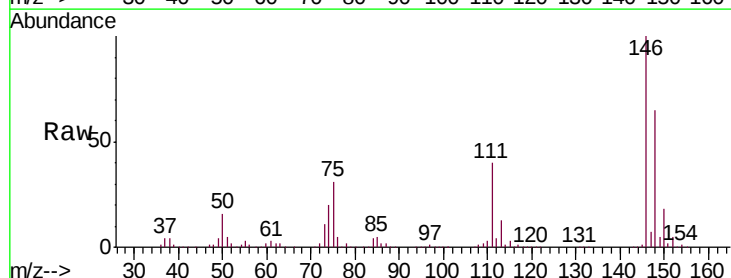
Tgt Ion:146 Resp: 226591

Ion Ratio Lower Upper

146 100

111 39.5 27.7 51.5

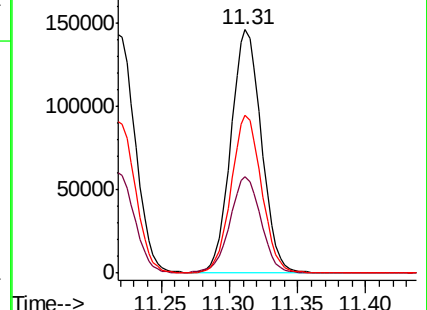
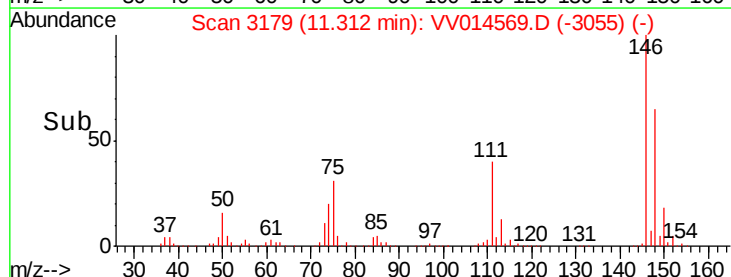
148 64.9 44.1 81.9

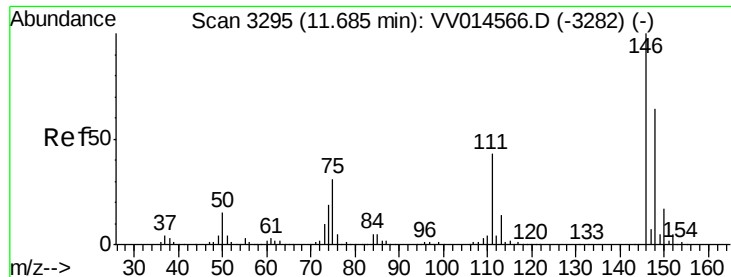


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

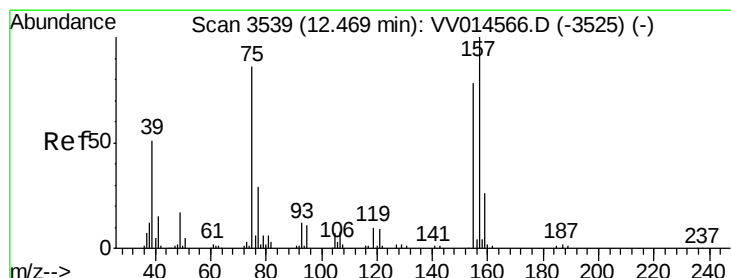
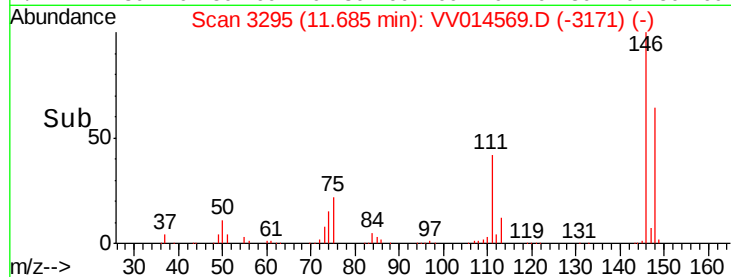
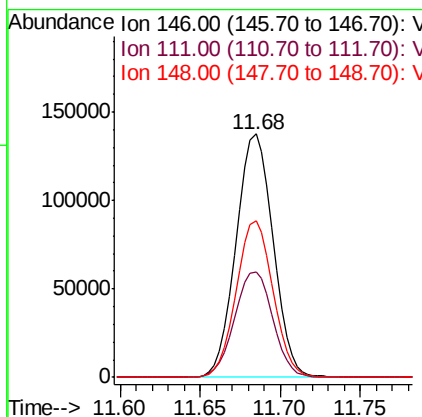
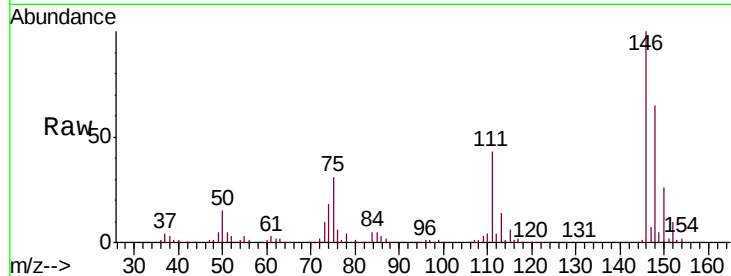




#65
 1,2-Dichlorobenzene
 Concen: 50.459 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

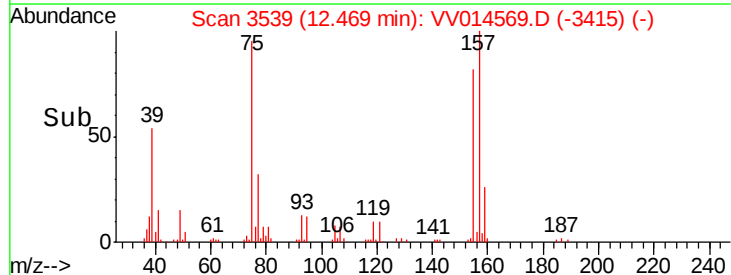
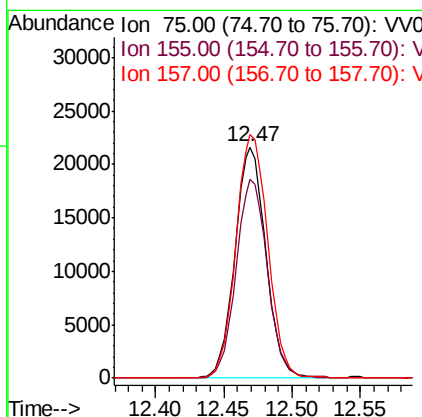
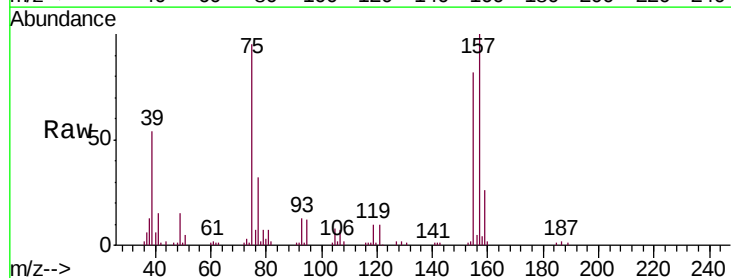
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

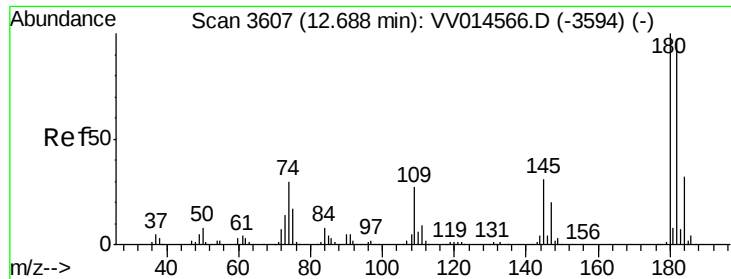
Tgt Ion: 146 Resp: 217032
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.6 52.0
 148 64.5 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.481 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Tgt Ion: 75 Resp: 33969
 Ion Ratio Lower Upper
 75 100
 155 85.9 72.9 109.3
 157 105.4 93.0 139.4

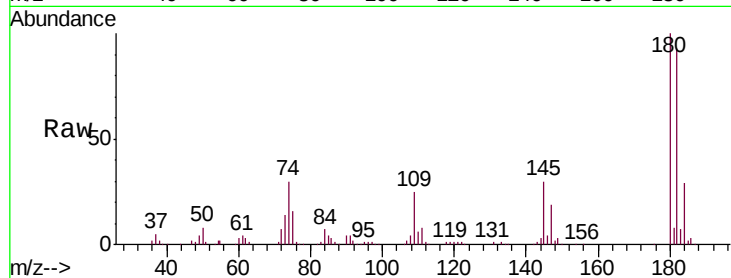




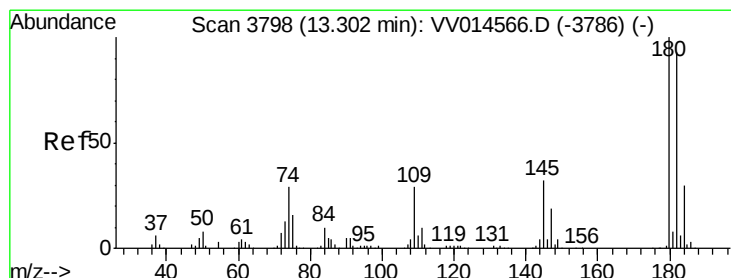
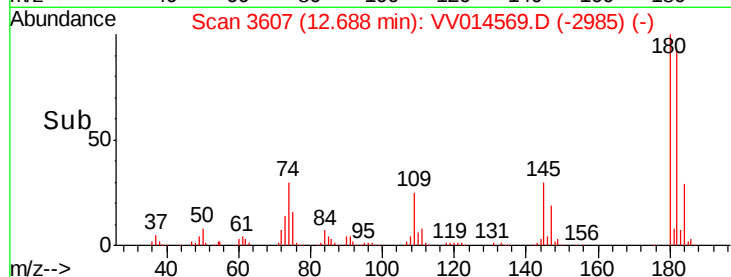
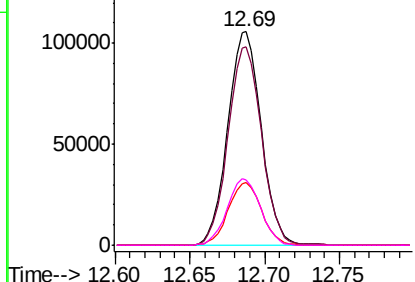
#67
 1,3,5-Trichlorobenzene
 Concen: 52.130 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion:180 Resp: 164150
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.2 115.8
 184 29.5 24.5 36.7
 145 31.0 25.3 37.9

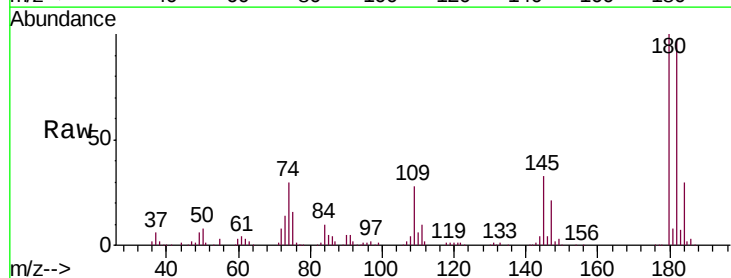


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

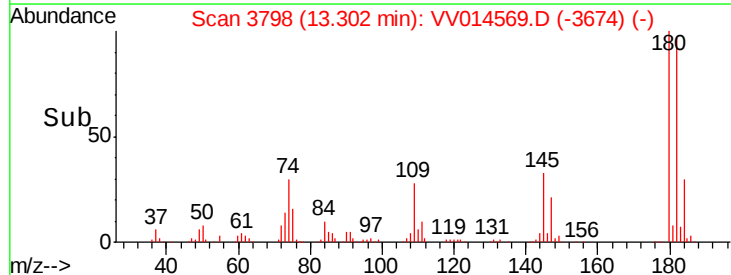
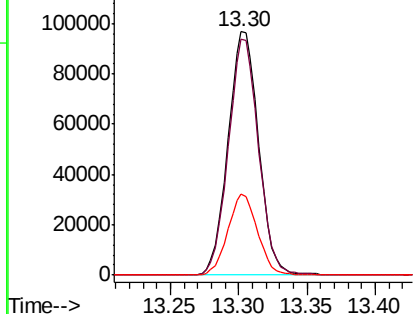


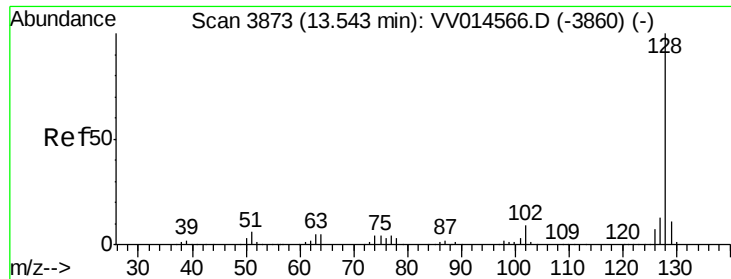
#68
 1,2,4-trichlorobenzene
 Concen: 51.578 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014569.D
 Acq: 12 Feb 2020 13:12

Tgt Ion:180 Resp: 150402
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.2
 145 32.3 25.8 38.6



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: 50.656 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

Instrument :

MSVOA_V

ClientSampleId :

VICV65

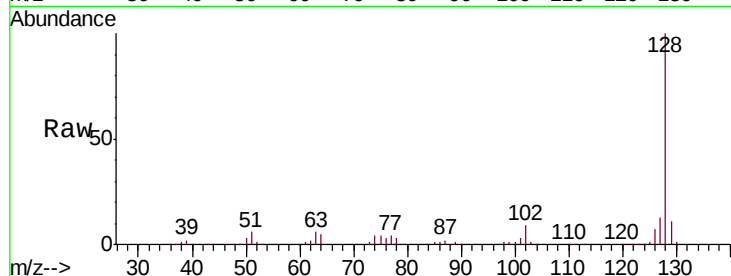
Tgt Ion:128 Resp: 468386

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

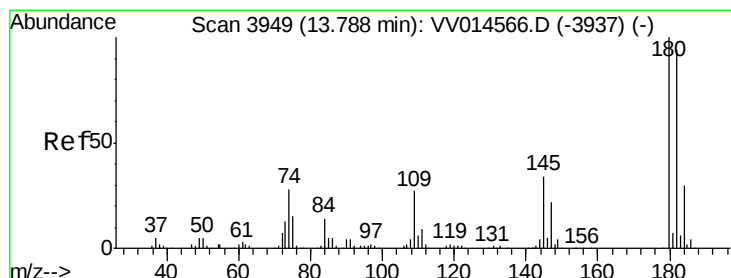
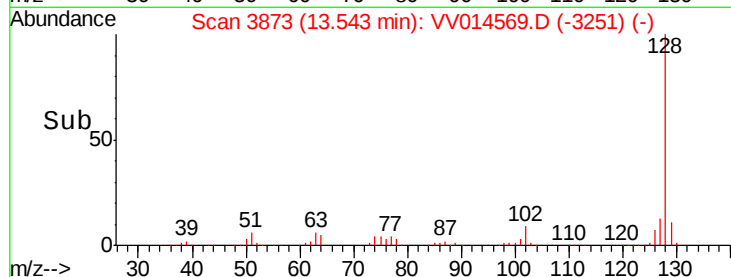
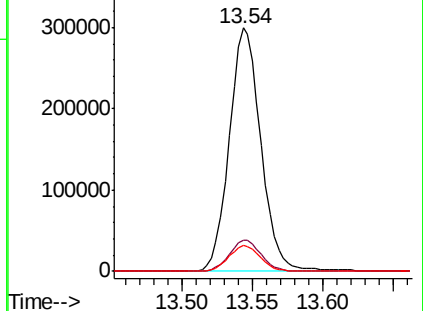
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.958 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014569.D

Acq: 12 Feb 2020 13:12

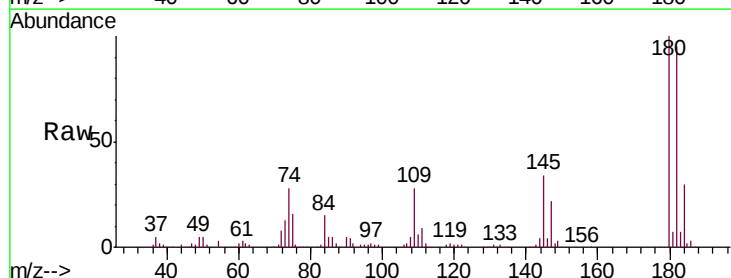
Tgt Ion:180 Resp: 143249

Ion Ratio Lower Upper

180 100

182 95.2 75.2 112.8

145 34.2 27.1 40.7



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

