

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
 Data File : VV014585.D
 Acq On : 13 Feb 2020 13:44
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 15:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 13:28:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	294168	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	278276	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	141417	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52890	46.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.64%
7) Chloroethane-d5	1.58	69	38678	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.36%
11) 1,1-Dichloroethene-d2	2.13	63	92343	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.98%
21) 2-Butanone-d5	3.92	46	94855	101.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.25%
24) Chloroform-d	4.40	84	171928	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.38%
26) 1,2-Dichloroethane-d4	5.07	65	107635	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
32) Benzene-d6	5.09	84	334637	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
36) 1,2-Dichloropropane-d6	6.11	67	101472	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.24%
41) Toluene-d8	7.35	98	324721	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	7.66	79	55409	50.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.26%
47) 2-Hexanone-d5	8.13	63	76810	95.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	138487	50.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	125986	50.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	102810	49.248	ug/L	99
3) Chloromethane	1.26	50	82216	44.337	ug/L	98
5) Vinyl chloride	1.32	62	62658	47.544	ug/L	98
6) Bromomethane	1.53	94	32675	50.954	ug/L	100
8) Chloroethane	1.60	64	31459	47.528	ug/L	99
9) Trichlorofluoromethane	1.77	101	112675	49.491	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	49113	50.604	ug/L	100
12) 1,1-Dichloroethene	2.14	96	44435	49.253	ug/L	94
13) Acetone	2.18	43	47344	58.907	ug/L	99
14) Carbon disulfide	2.32	76	207664	47.022	ug/L	99
15) Methyl Acetate	2.45	43	72360	46.975	ug/L	99
16) Methylene chloride	2.53	84	90573	48.030	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	88256	49.591	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	278387	48.780	ug/L	100
19) 1,1-Dichloroethane	3.23	63	152812	48.969	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	99679	48.446	ug/L	99
22) 2-Butanone	4.00	43	102457	85.024	ug/L	98

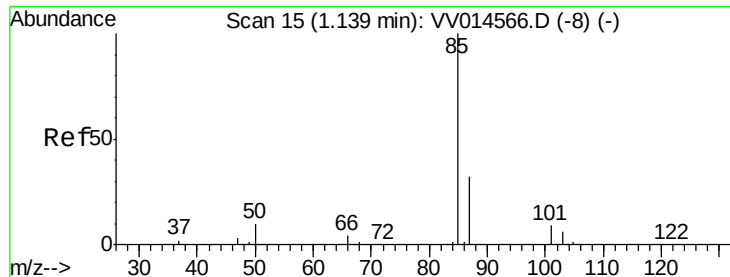
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
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 Acq On : 13 Feb 2020 13:44
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 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 13:28:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48849	49.017	ug/L	97
25) Chloroform	4.42	83	169467	49.082	ug/L	98
27) 1,2-Dichloroethane	5.17	62	126427	49.665	ug/L	98
29) Cyclohexane	4.72	56	134313	48.214	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	150961	49.867	ug/L	99
31) Carbon tetrachloride	4.87	117	133127	48.702	ug/L	100
33) Benzene	5.14	78	356180	48.750	ug/L	100
34) Trichloroethene	5.95	95	97219	49.310	ug/L	98
35) Methylcyclohexane	6.17	83	151774	49.167	ug/L	99
37) 1,2-Dichloropropane	6.22	63	87695	48.609	ug/L	99
38) Bromodichloromethane	6.55	83	128610	48.616	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	152079	47.750	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	204724	91.867	ug/L	100
42) Toluene	7.43	91	389851	48.932	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	139177	48.388	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	92346	49.553	ug/L	97
46) Tetrachloroethene	8.01	164	77242	49.822	ug/L	99
48) 2-Hexanone	8.18	43	154321	88.822	ug/L	97
49) Dibromochloromethane	8.28	129	107409	48.360	ug/L	99
50) 1,2-Dibromoethane	8.39	107	98383	48.792	ug/L	99
51) Chlorobenzene	8.92	112	259358	48.692	ug/L	99
52) Ethylbenzene	9.05	91	443404	49.062	ug/L	99
53) m,p-Xylene	9.18	106	170942	48.448	ug/L	99
54) o-xylene	9.58	106	164770	48.857	ug/L	100
55) Styrene	9.60	104	285259	49.226	ug/L	99
56) Isopropylbenzene	9.97	105	443179	49.403	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	141932	48.209	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	109681	47.242	ug/L	99
61) Bromoform	9.77	173	73483	48.009	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	207173	48.441	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	210095	48.195	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	200327	47.684	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	31370	45.837	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	150449	48.916	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	136820	48.037	ug/L	98
69) Naphthalene	13.54	128	412989	45.727	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	129533	47.176	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.248 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

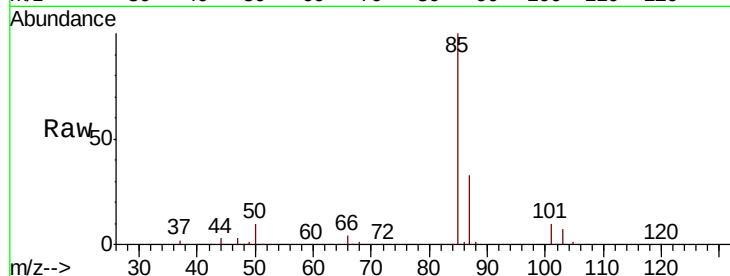
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 102810

Ion Ratio Lower Upper

85 100

87 33.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV014566.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014566.D (-8) (-)

1.14

100000

80000

60000

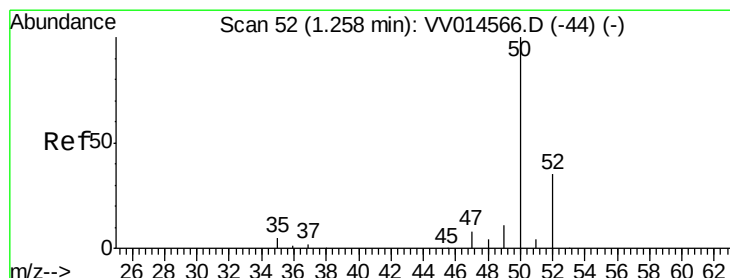
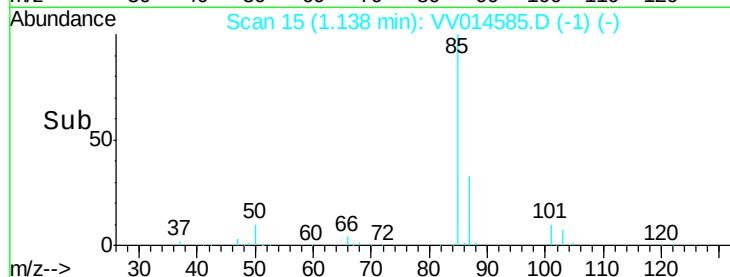
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 44.337 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014585.D

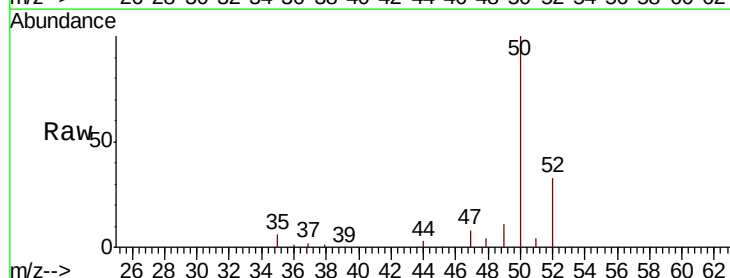
Acq: 13 Feb 2020 13:44

Tgt Ion: 50 Resp: 82216

Ion Ratio Lower Upper

50 100

52 33.4 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV014566.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014566.D (-44) (-)

1.26

100000

80000

60000

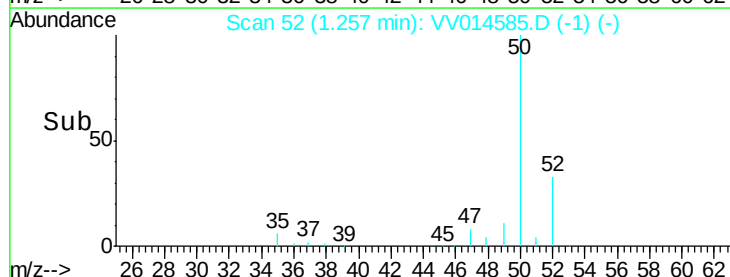
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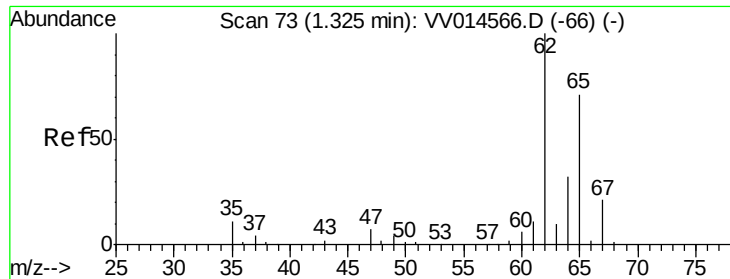
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 47.544 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

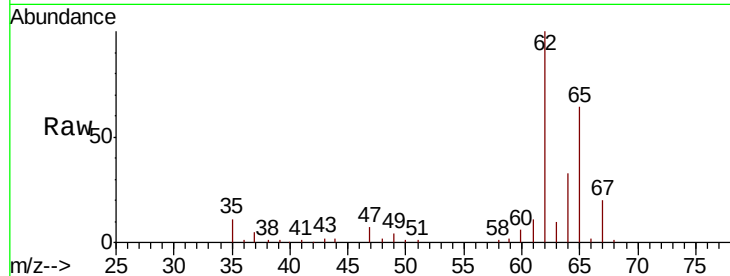
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 62658

Ion Ratio Lower Upper

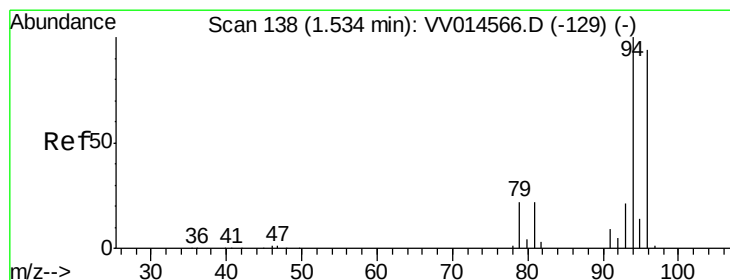
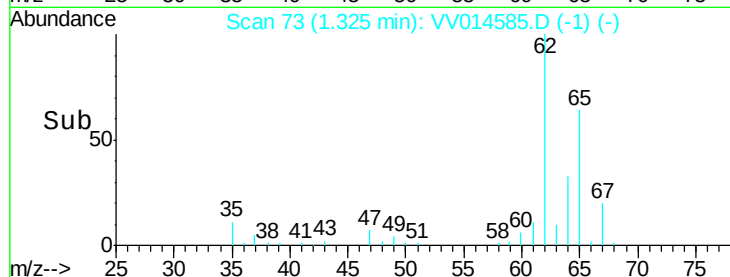
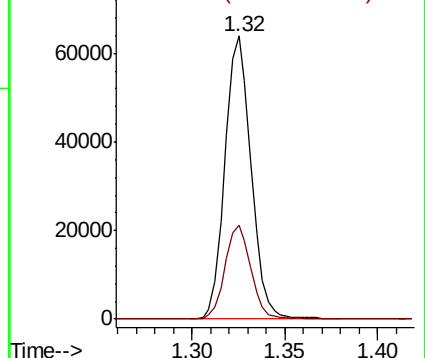
62 100

64 33.3 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: 50.954 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014585.D

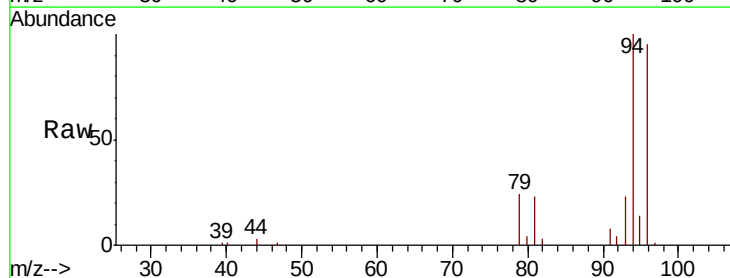
Acq: 13 Feb 2020 13:44

Tgt Ion: 94 Resp: 32675

Ion Ratio Lower Upper

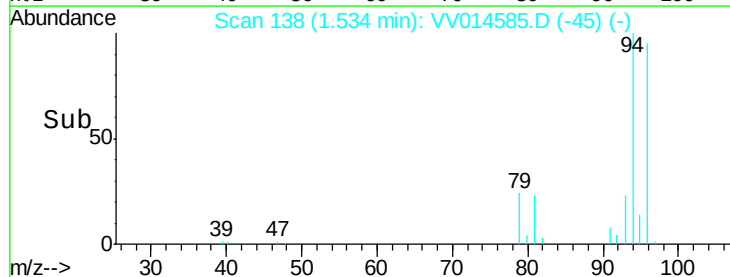
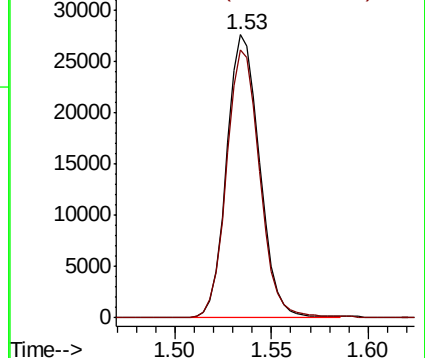
94 100

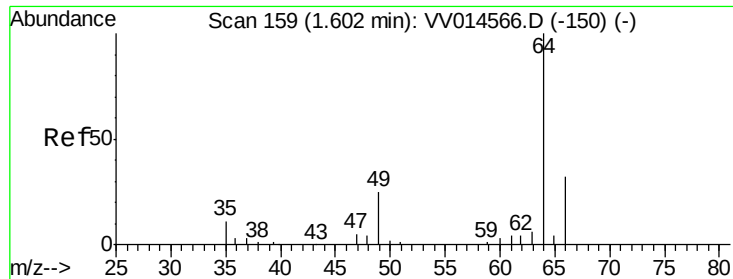
96 94.9 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

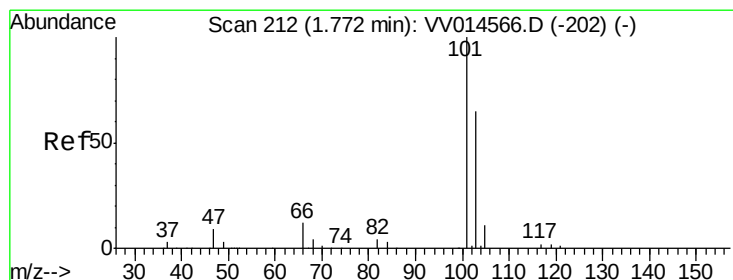
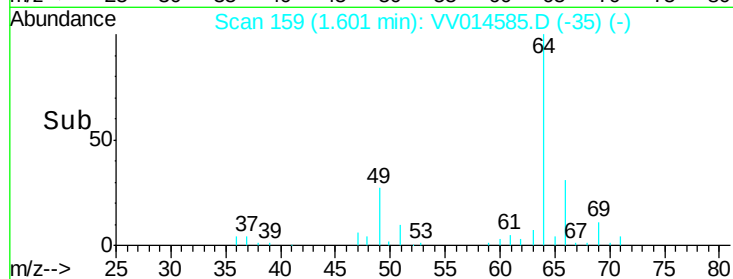
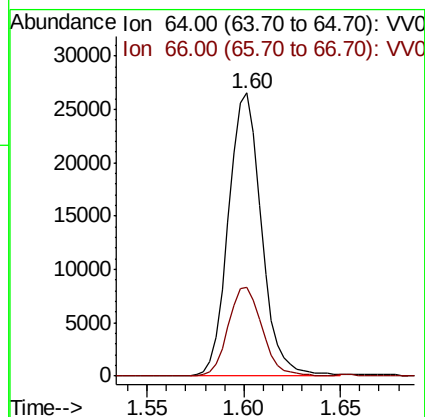
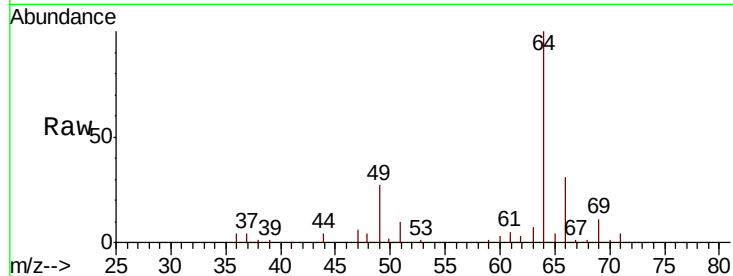




#8
Chloroethane
Concen: 47.528 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

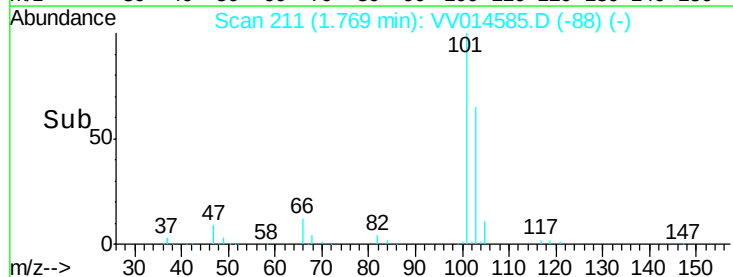
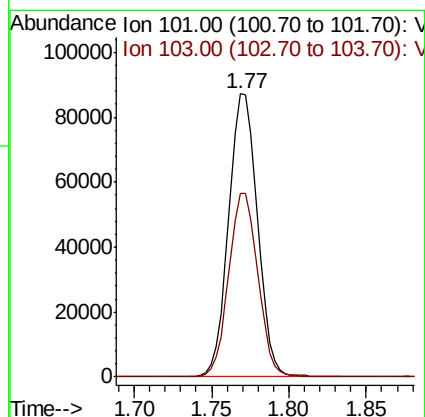
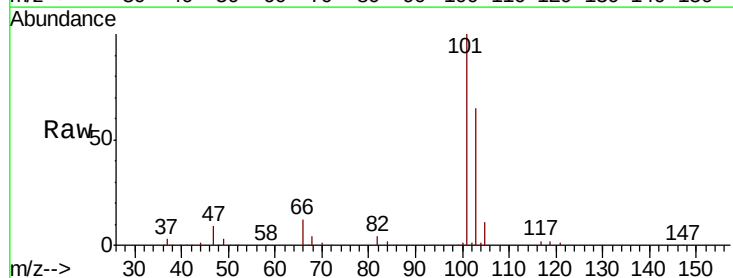
Instrument :
MSVOA_V
ClientSampled :

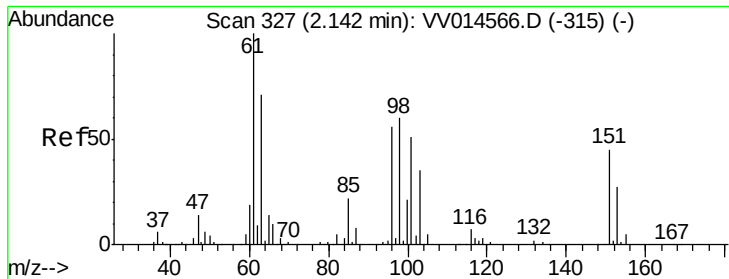
Tot Ion: 64 Resp: 31459
Ion Ratio Lower Upper
64 100
66 31.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 49.491 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Tgt Ion: 101 Resp: 112675
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.2





#10

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

Concen: 50.604 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

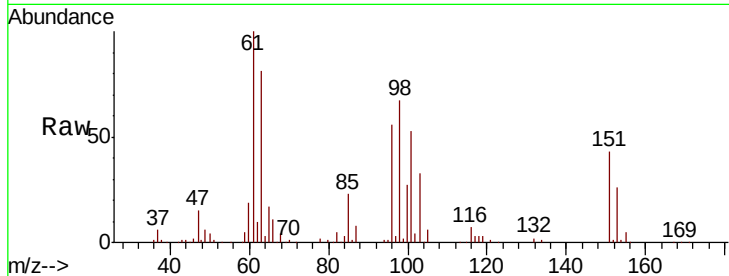
Tot Ion:101 Resp: 49113

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.0

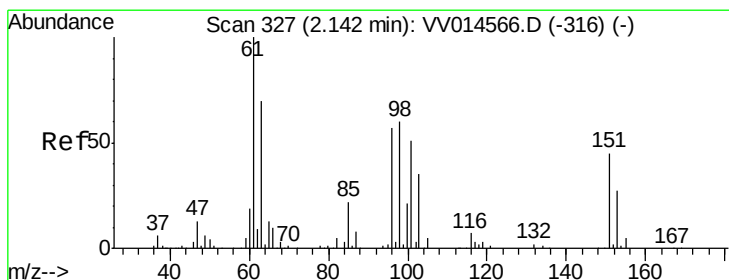
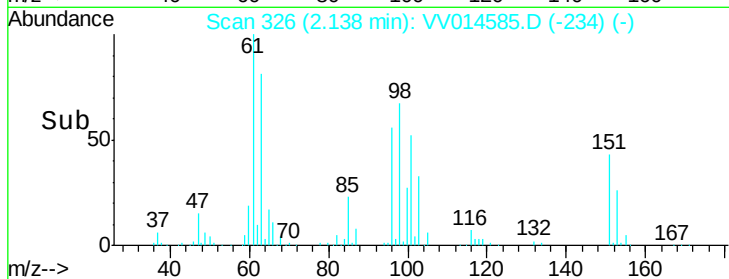
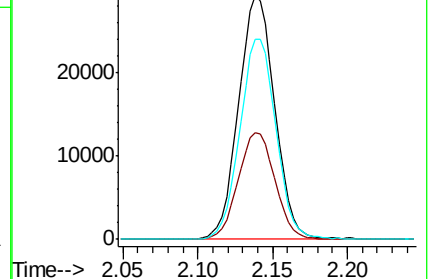
151 82.0 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV014566.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV014566.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV014566.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 49.253 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

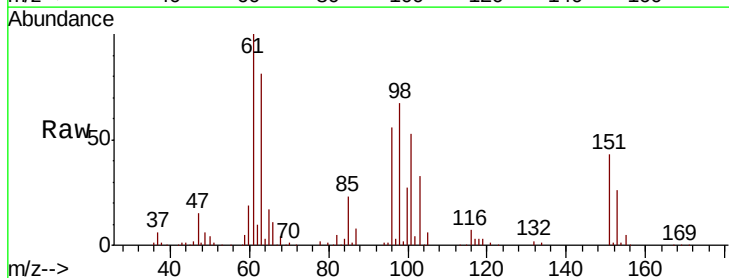
Tgt Ion: 96 Resp: 44435

Ion Ratio Lower Upper

96 100

61 177.0 124.2 230.6

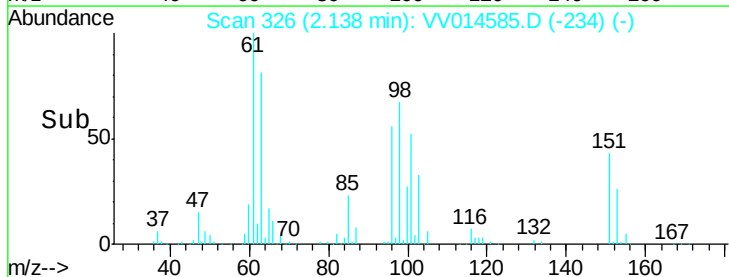
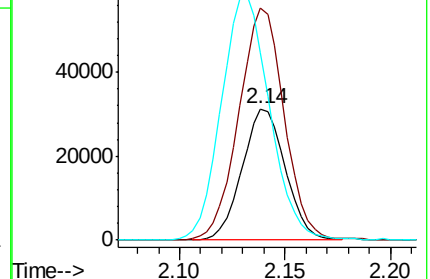
63 142.7 89.2 165.8

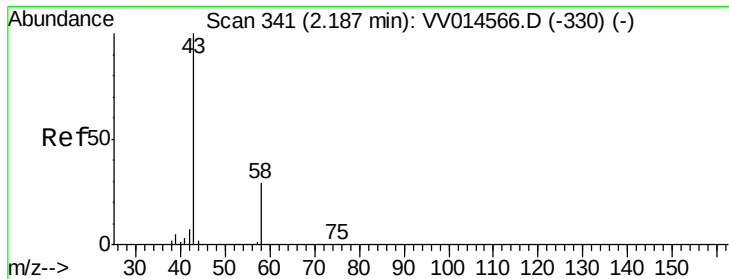


Abundance Ion 96.00 (95.70 to 96.70): VV014585.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV014585.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014585.D (-234) (-)





#13

Acetone

Concen: 58.907 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

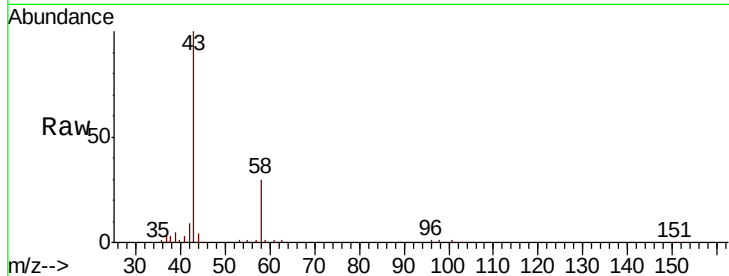
ClientSampleId :

Tot Ion: 43 Resp: 47344

Ion Ratio Lower Upper

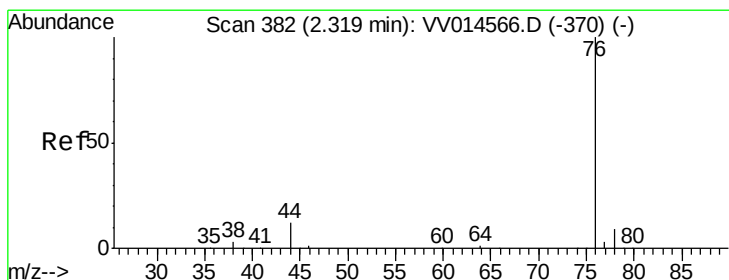
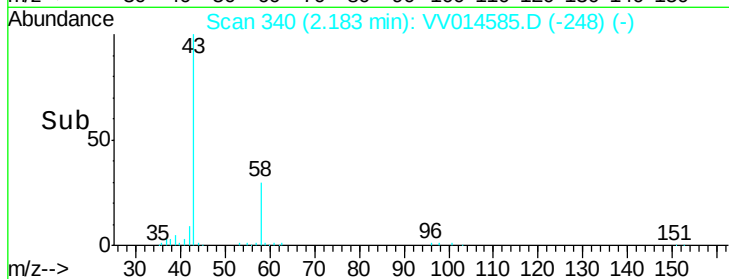
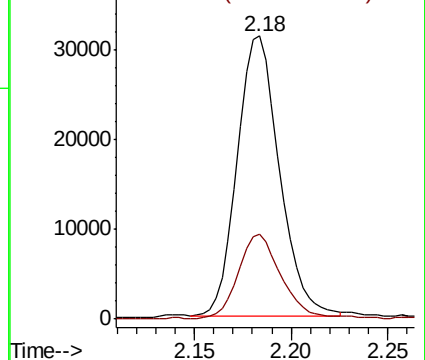
43 100

58 30.1 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 47.022 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014585.D

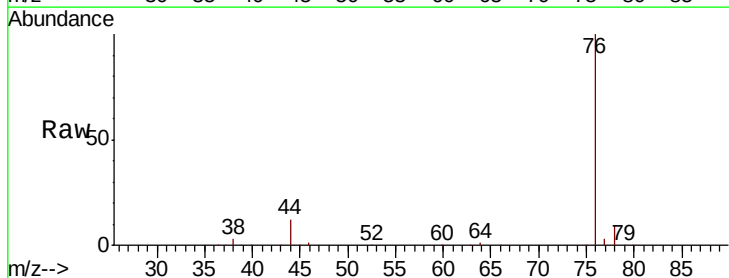
Acq: 13 Feb 2020 13:44

Tgt Ion: 76 Resp: 207664

Ion Ratio Lower Upper

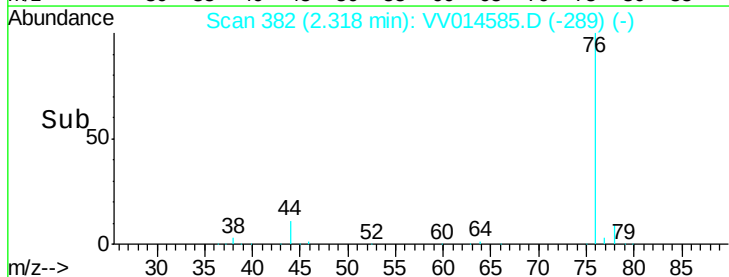
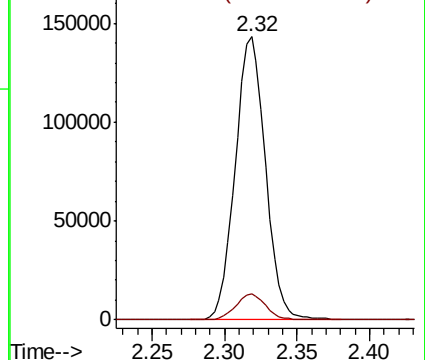
76 100

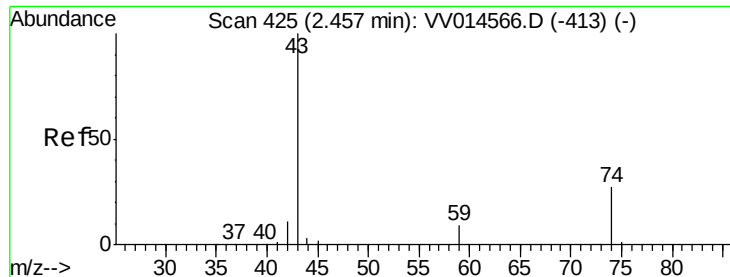
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 46.975 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

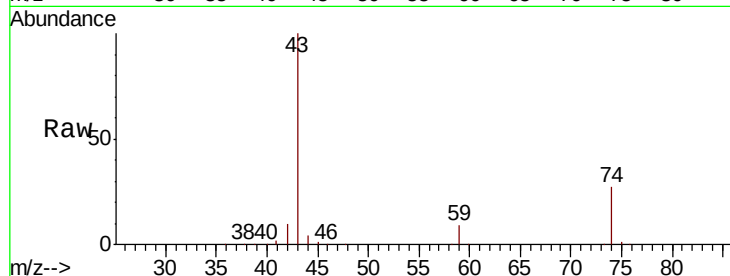
ClientSampleId :

Tot Ion: 43 Resp: 72360

Ion Ratio Lower Upper

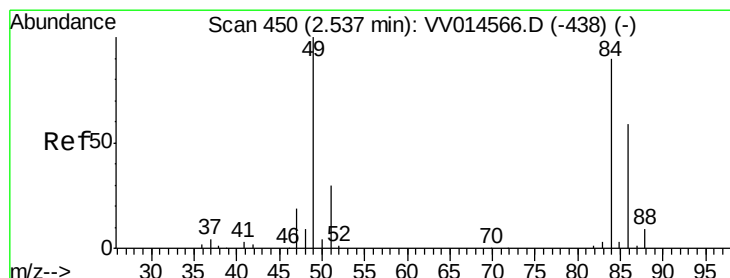
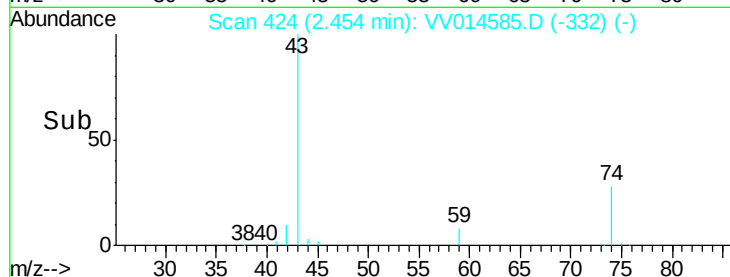
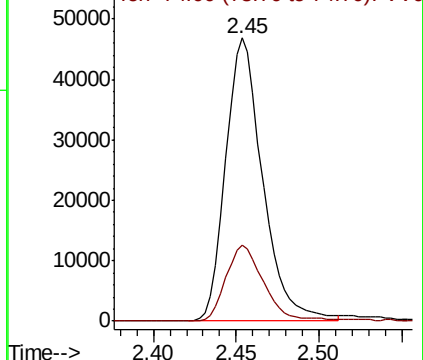
43 100

74 27.4 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.030 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

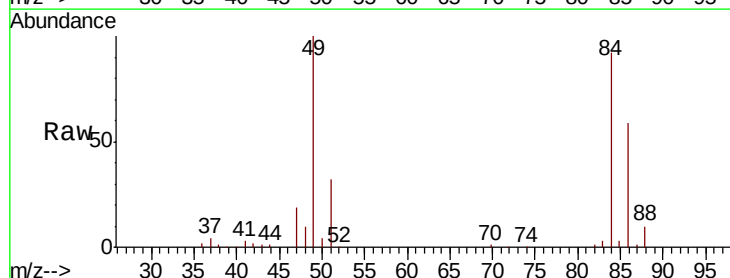
Tgt Ion: 84 Resp: 90573

Ion Ratio Lower Upper

84 100

86 64.0 46.3 86.1

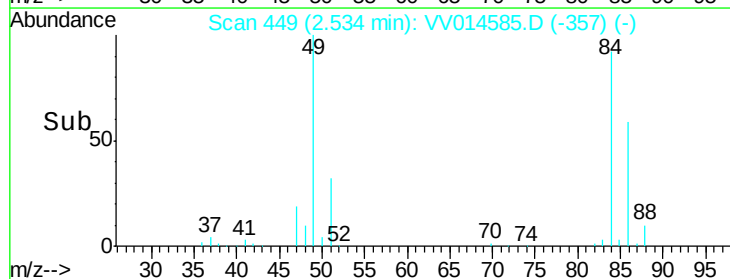
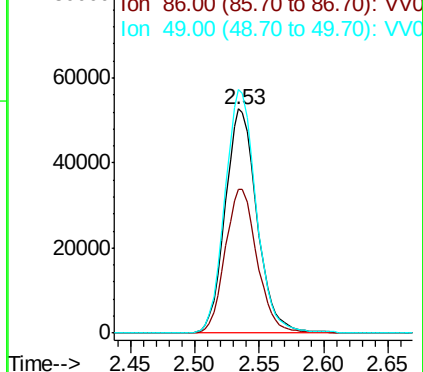
49 108.7 78.1 145.1

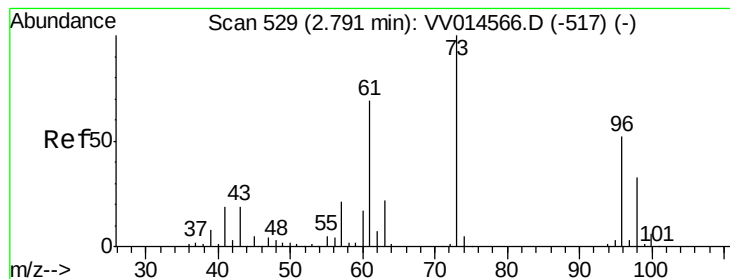


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.591 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampled :

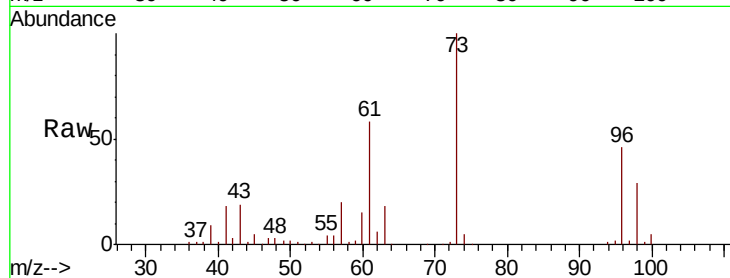
Tot Ion: 96 Resp: 88256

Ion Ratio Lower Upper

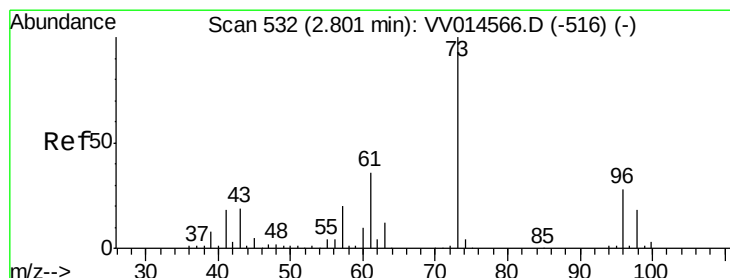
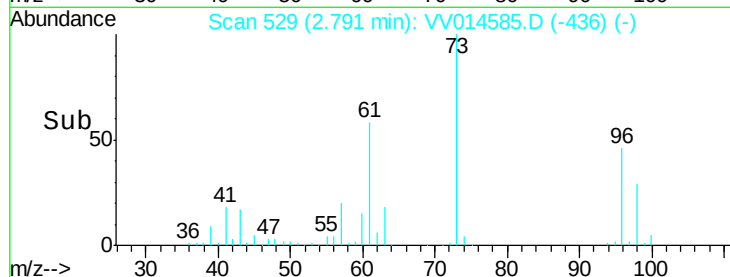
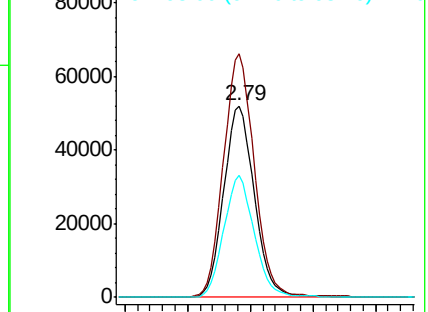
96 100

61 127.2 93.0 172.6

98 64.0 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: 48.780 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

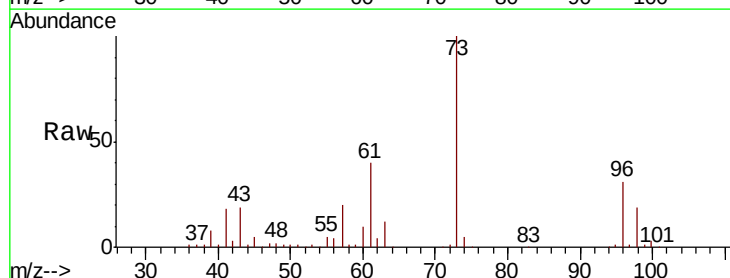
Tgt Ion: 73 Resp: 278387

Ion Ratio Lower Upper

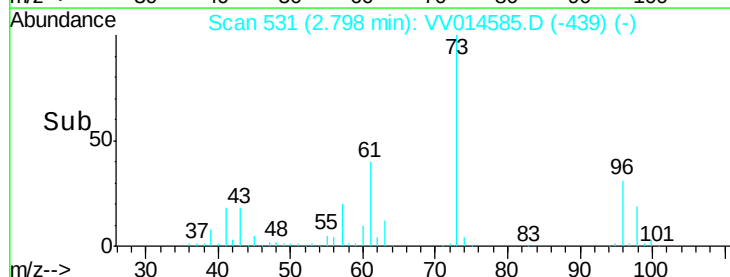
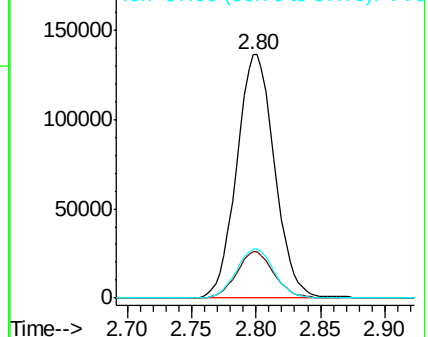
73 100

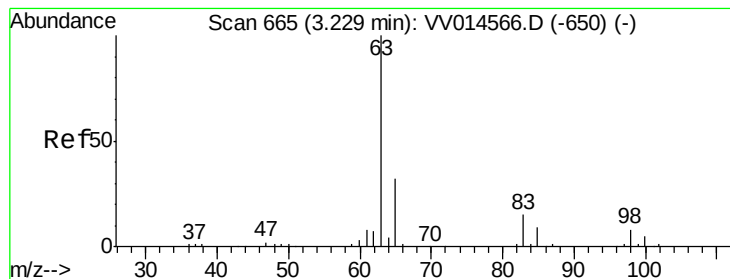
43 18.7 15.1 22.7

57 20.3 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: 48.969 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

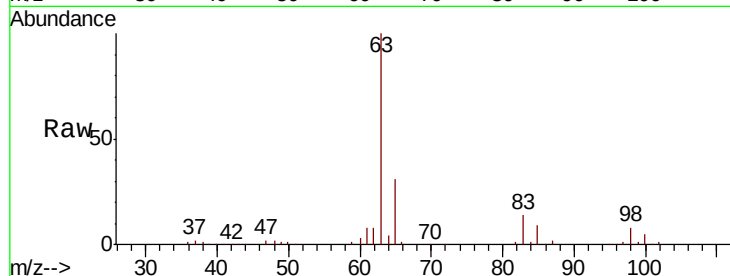
Tot Ion: 63 Resp: 152812

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

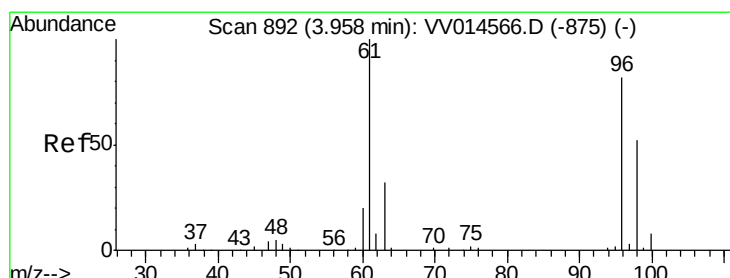
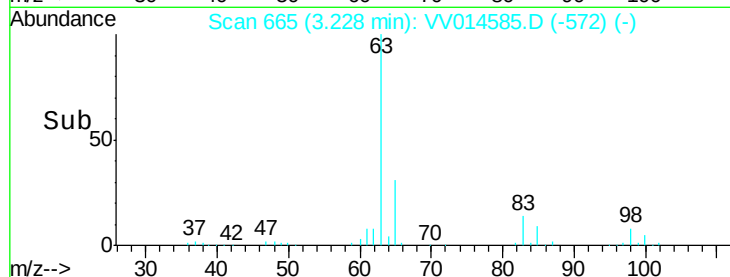
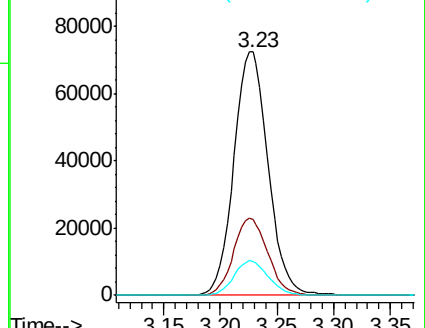
83 14.0 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.446 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

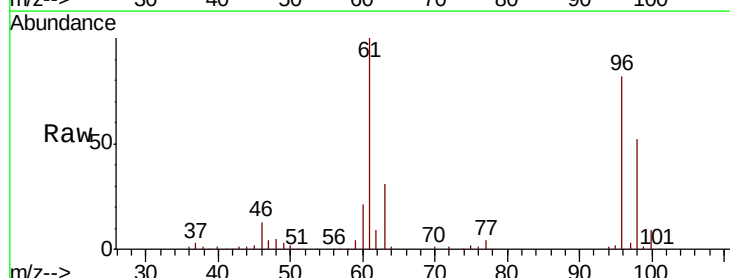
Tgt Ion: 96 Resp: 99679

Ion Ratio Lower Upper

96 100

61 121.9 85.9 159.5

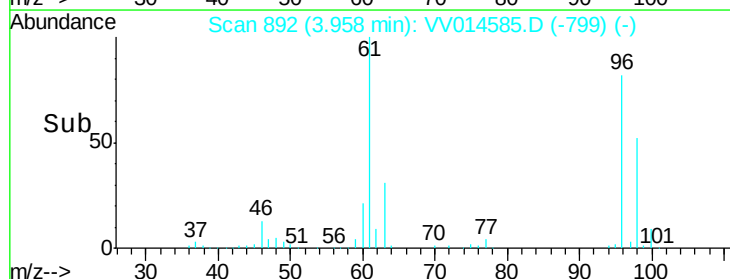
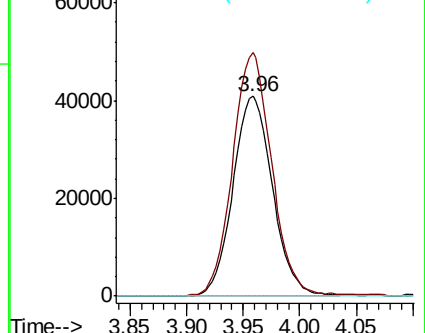
68 0.0 0.0 0.0

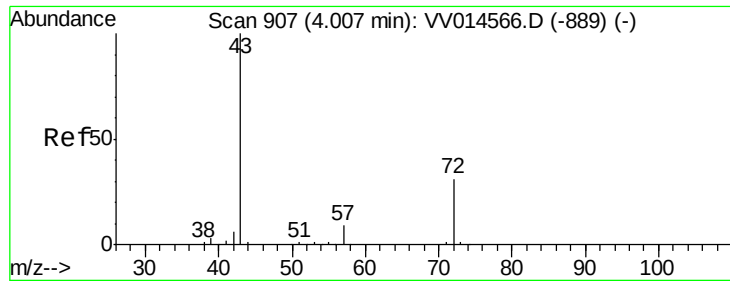


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 85.024 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

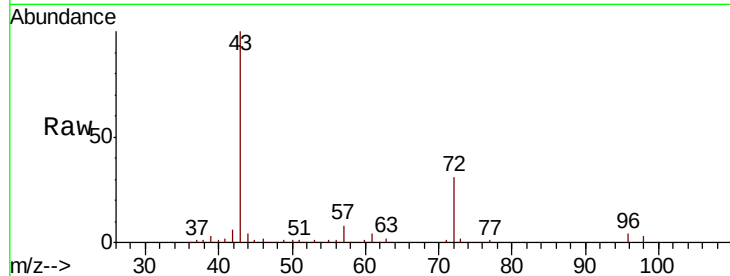
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 102457

Ion Ratio Lower Upper

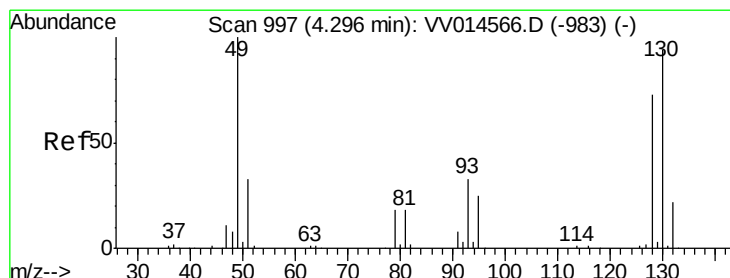
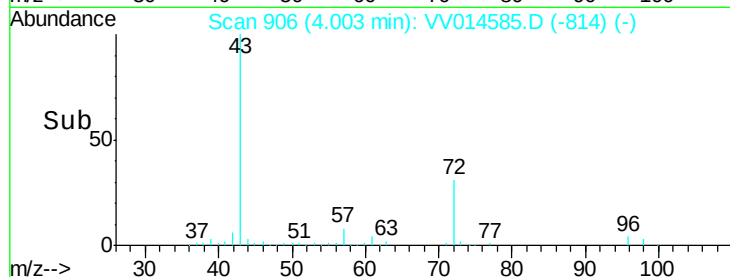
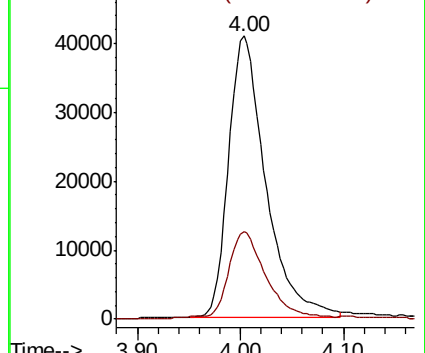
43 100

72 30.6 15.9 47.7



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV014566.D (-889) (-)



#23

Bromochloromethane

Concen: 49.017 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Tgt Ion: 128 Resp: 48849

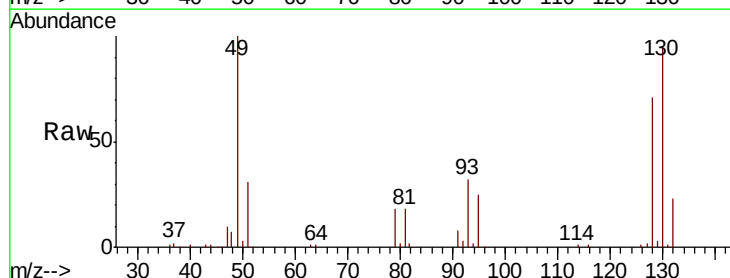
Ion Ratio Lower Upper

128 100

49 140.4 97.1 180.3

130 133.8 90.7 168.5

51 42.9 36.4 54.6

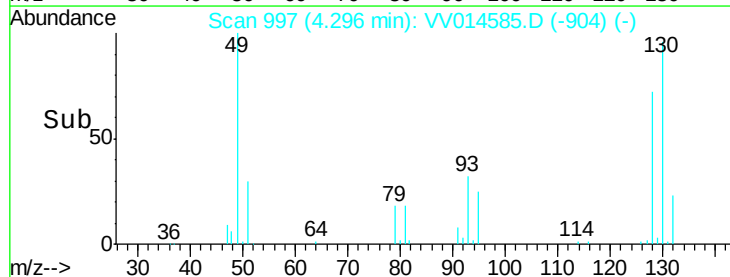
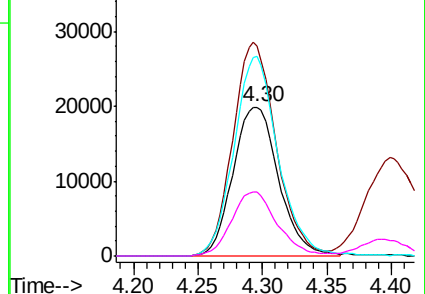


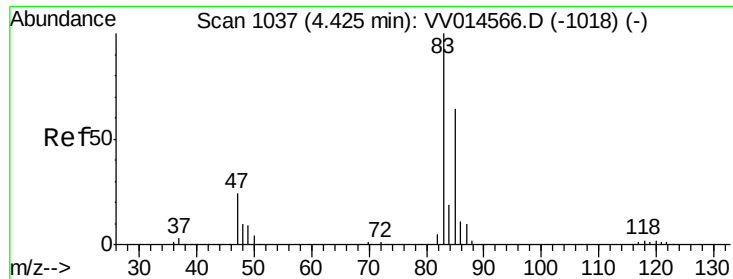
Abundance Ion 128.00 (127.70 to 128.70): VV014566.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV014566.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV014566.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV014566.D (-983) (-)

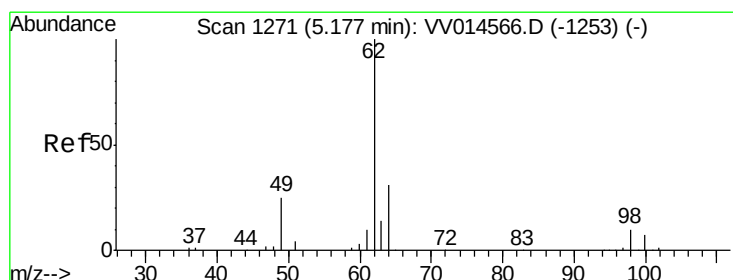
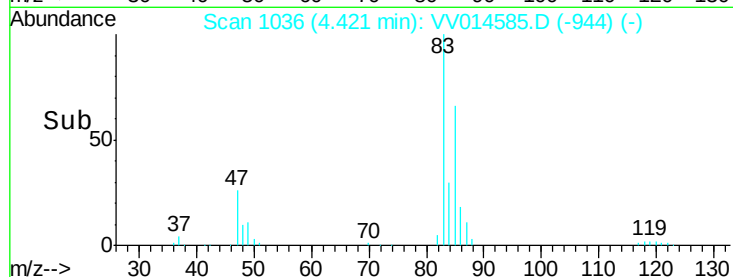
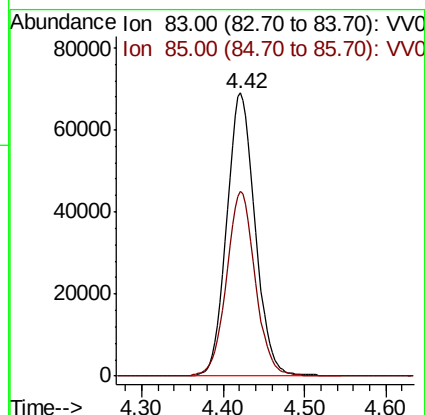
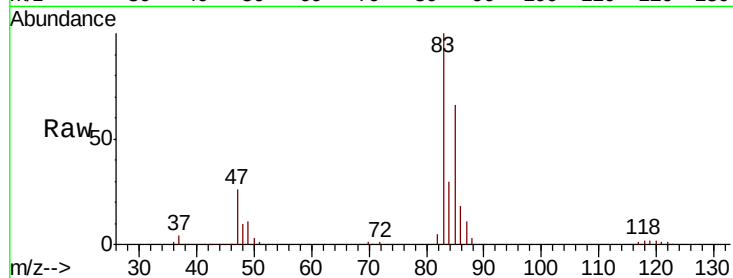




#25
Chloroform
Concen: 49.082 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

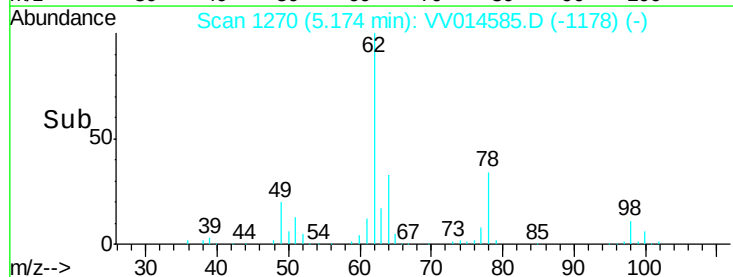
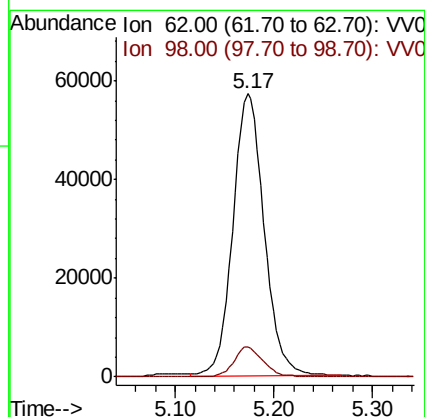
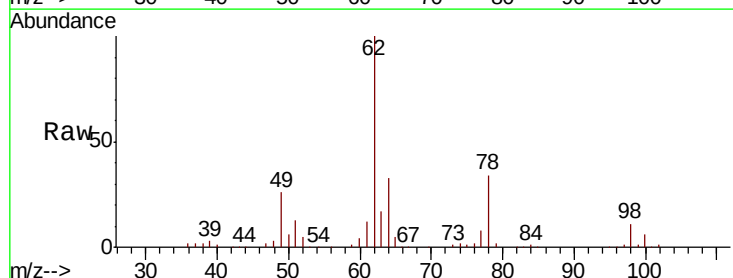
Instrument :
MSVOA_V
ClientSampleId :

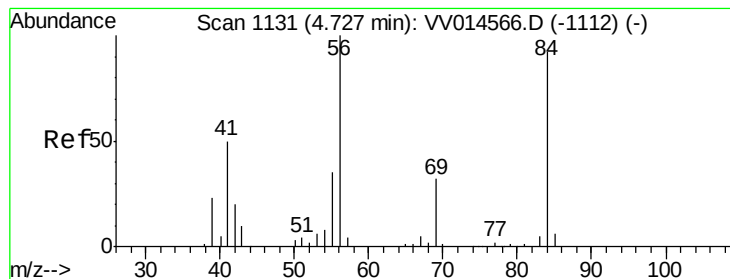
Tot Ion: 83 Resp: 169467
Ion Ratio Lower Upper
83 100
85 65.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.665 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Tgt Ion: 62 Resp: 126427
Ion Ratio Lower Upper
62 100
98 10.6 7.9 11.9





#29

Cyclohexane

Concen: 48.214 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampleId :

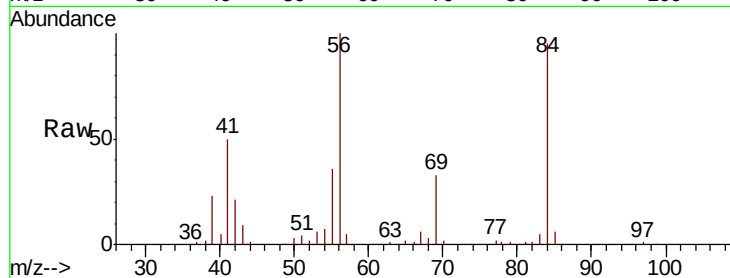
Tot Ion: 56 Resp: 134313

Ion Ratio Lower Upper

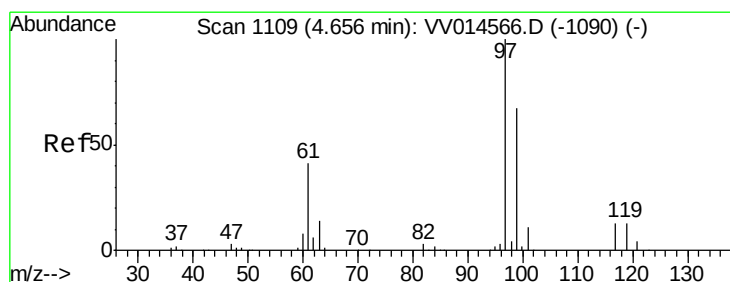
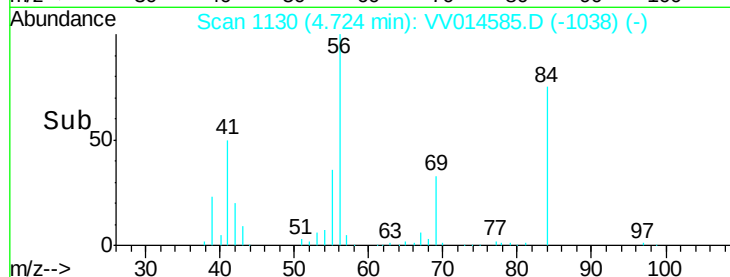
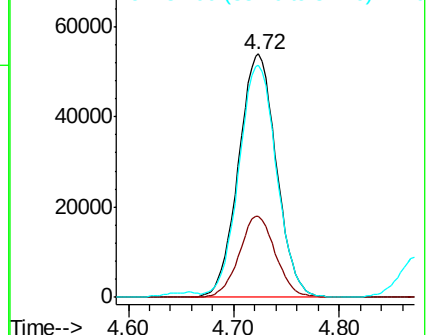
56 100

69 32.1 26.5 39.7

84 94.9 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: 49.867 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

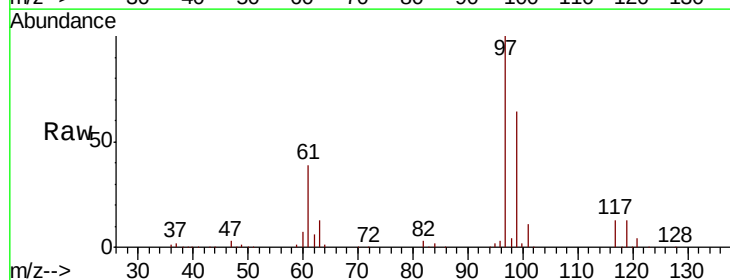
Tgt Ion: 97 Resp: 150961

Ion Ratio Lower Upper

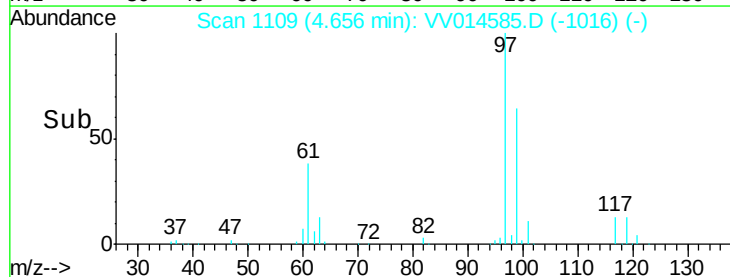
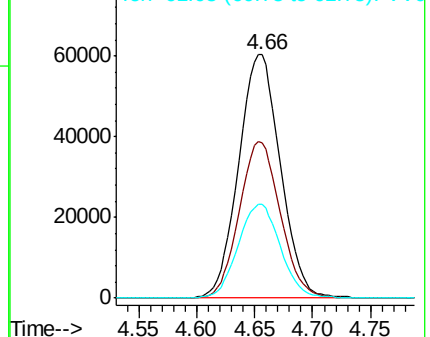
97 100

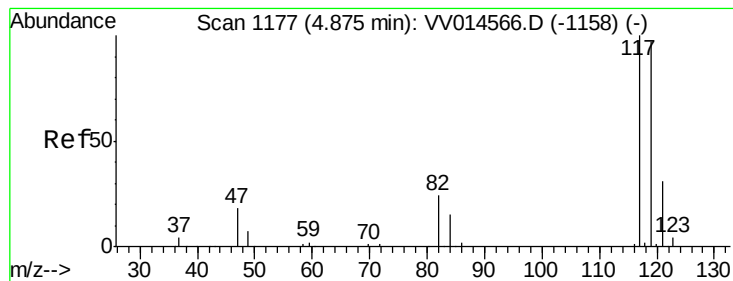
99 63.4 51.2 76.8

61 39.2 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: 48.702 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

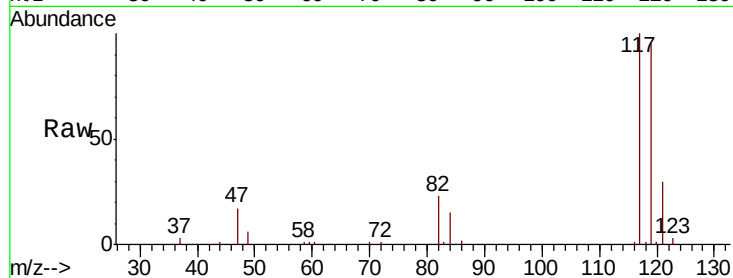
ClientSampleId :

Tot Ion:117 Resp: 133127

Ion Ratio Lower Upper

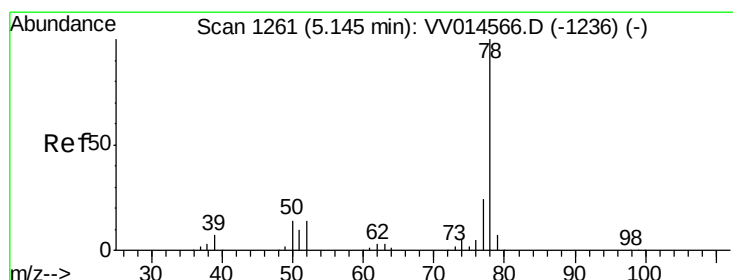
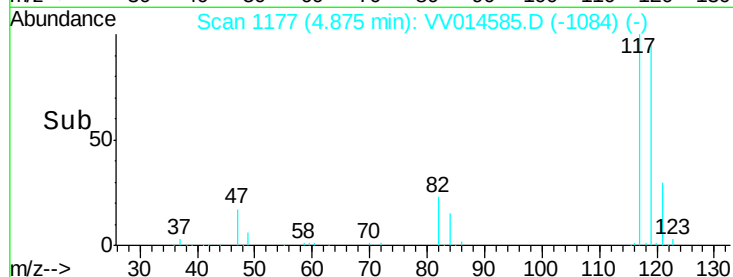
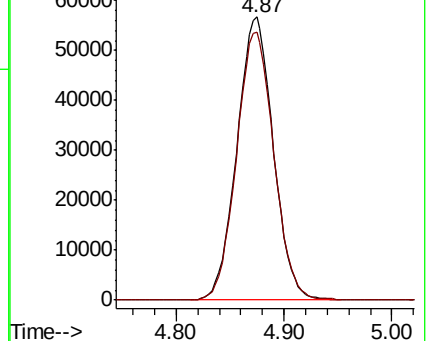
117 100

119 96.8 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: 48.750 ug/L

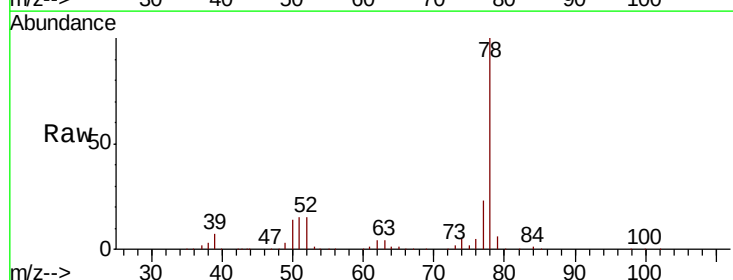
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

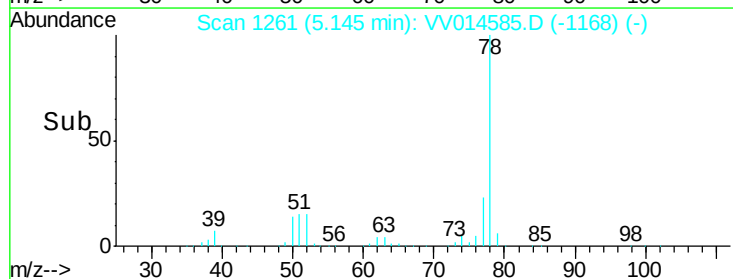
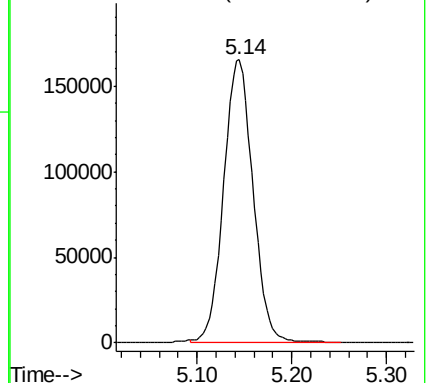
Lab File: VV014585.D

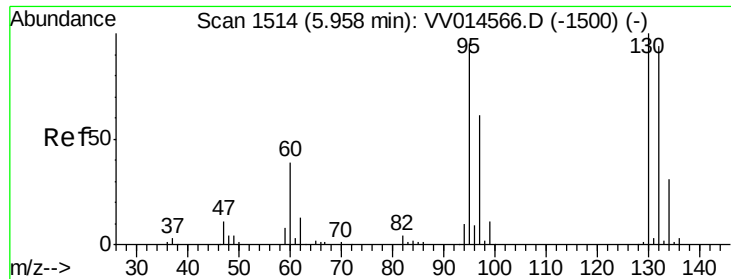
Acq: 13 Feb 2020 13:44

Tgt Ion: 78 Resp: 356180



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.310 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 97219

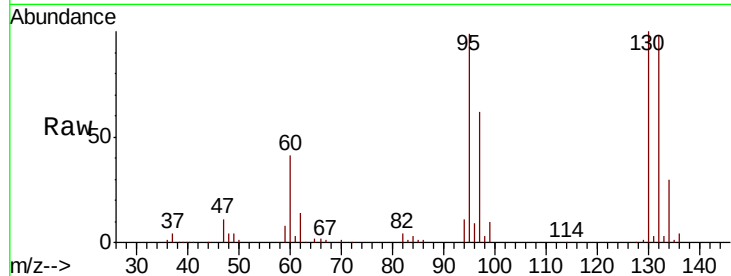
Ion Ratio Lower Upper

95 100

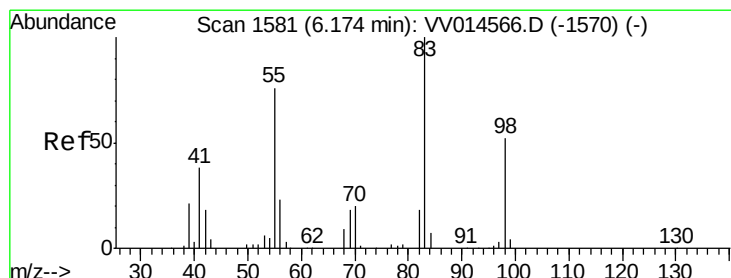
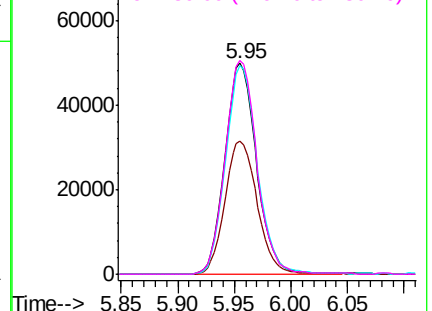
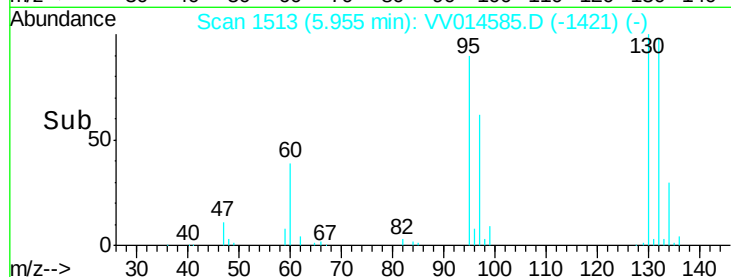
97 63.0 45.3 84.1

132 98.9 69.6 129.2

130 101.2 74.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.167 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

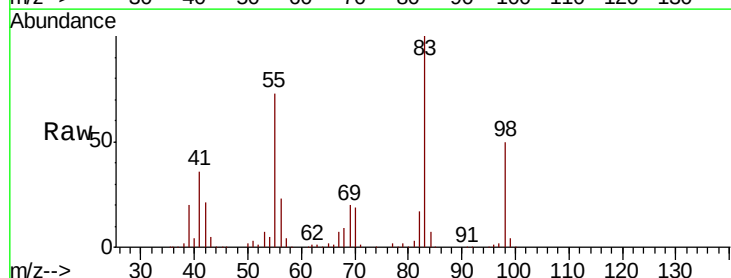
Tgt Ion: 83 Resp: 151774

Ion Ratio Lower Upper

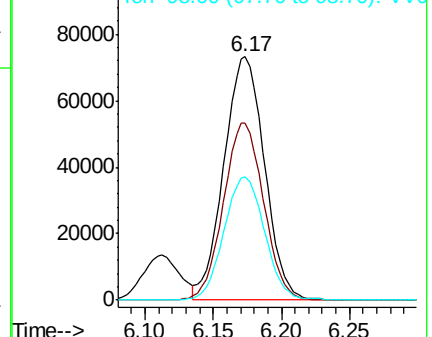
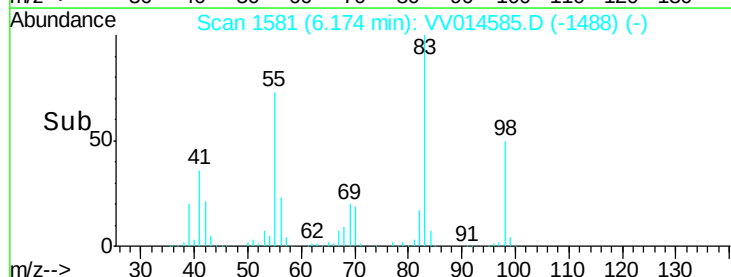
83 100

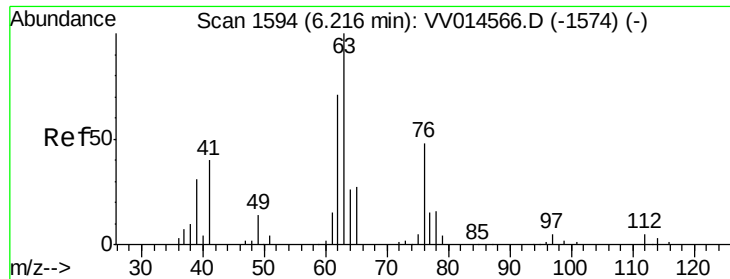
55 71.9 57.8 86.6

98 50.6 39.7 59.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

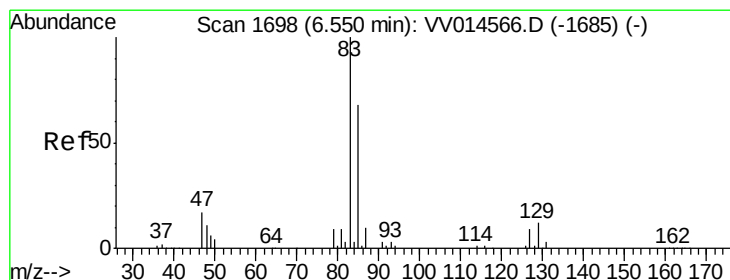
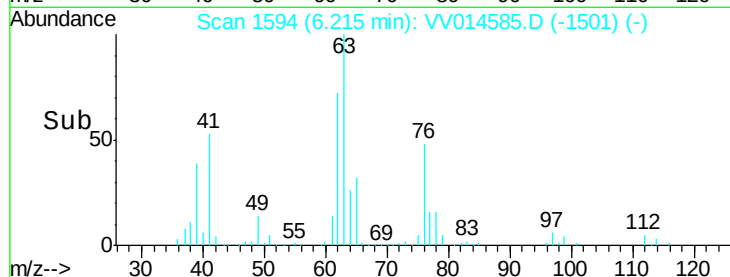
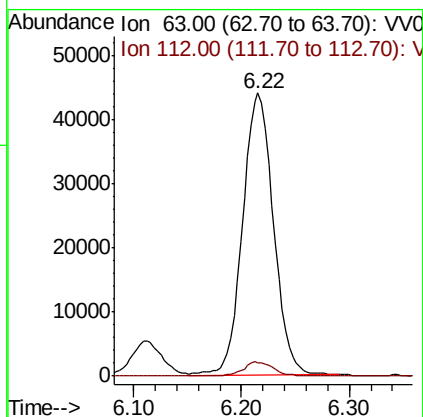
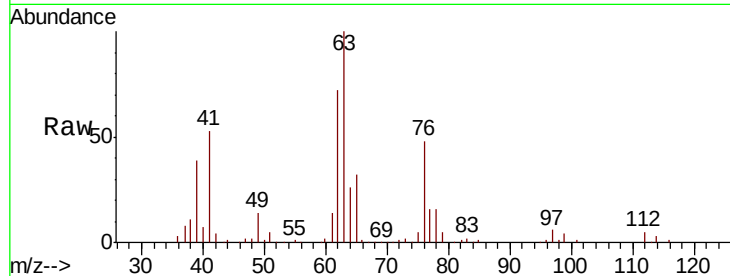




#37
 1,2-Dichloropropane
 Concen: 48.609 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

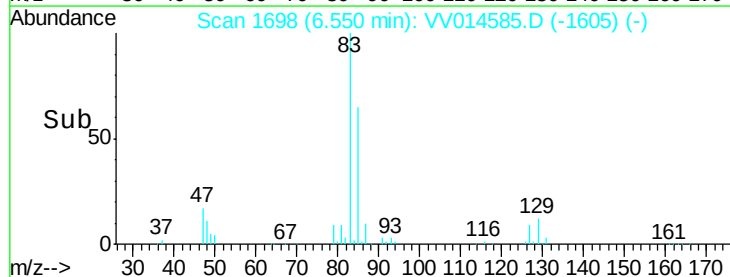
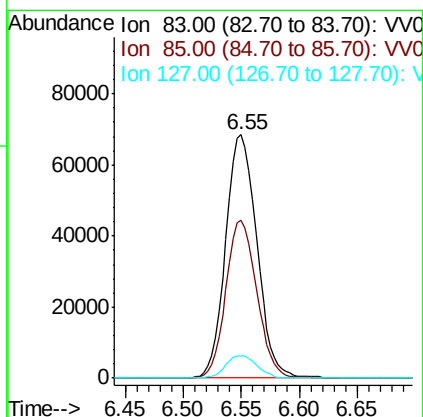
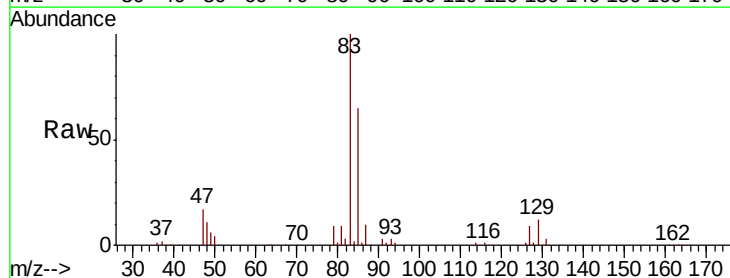
Instrument :
 MSVOA_V
 ClientSampled :

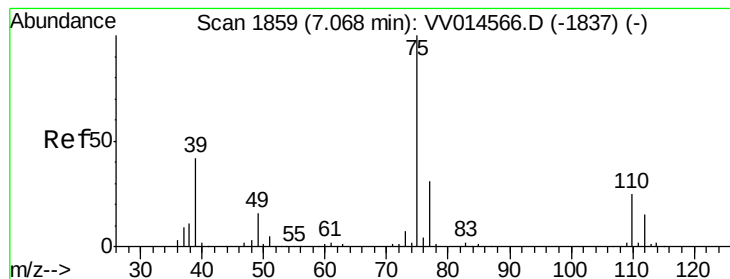
Tot Ion: 63 Resp: 87695
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.1 6.1



#38
 Bromodichloromethane
 Concen: 48.616 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

Tgt Ion: 83 Resp: 128610
 Ion Ratio Lower Upper
 83 100
 85 64.9 47.3 87.8
 127 9.3 7.5 11.3



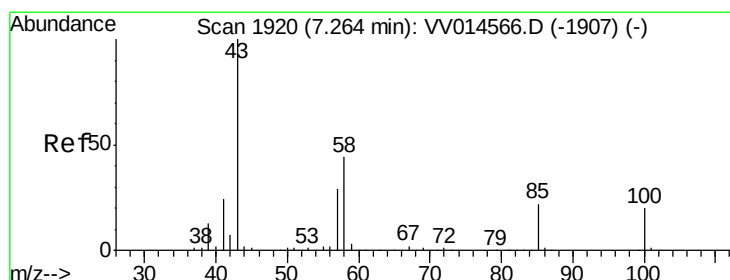
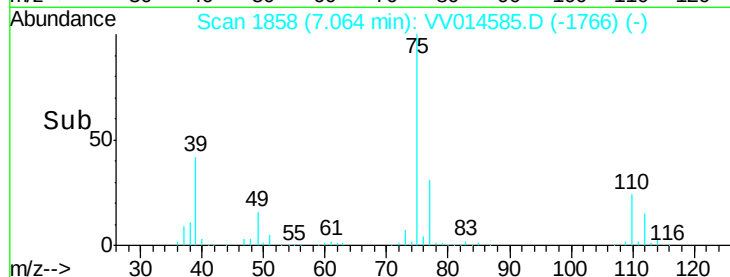
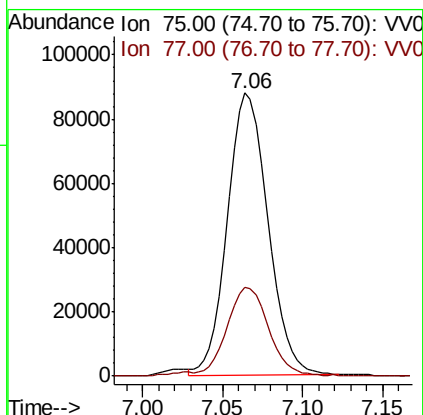
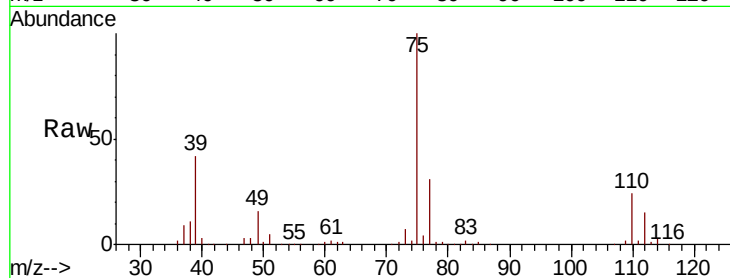


#39

cis-1,3-Dichloropropene
Concen: 47.750 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampled :

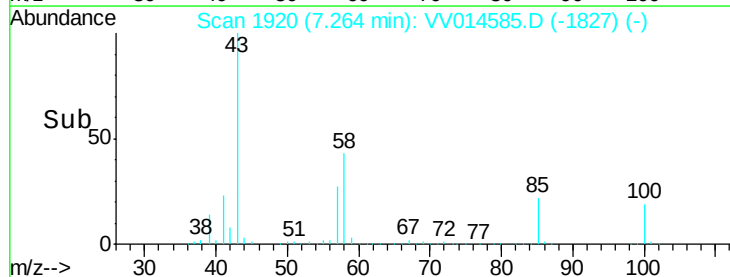
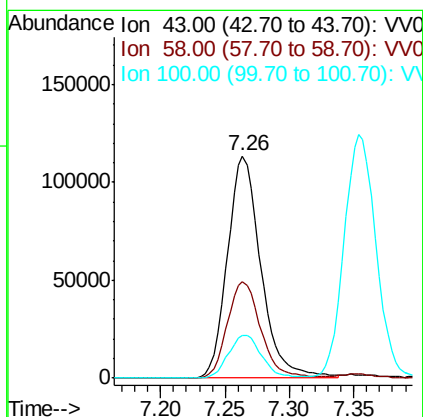
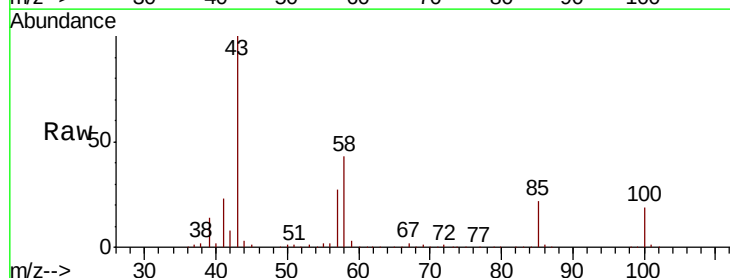
Tot Ion: 75 Resp: 152079
Ion Ratio Lower Upper
75 100
77 31.2 21.7 40.3

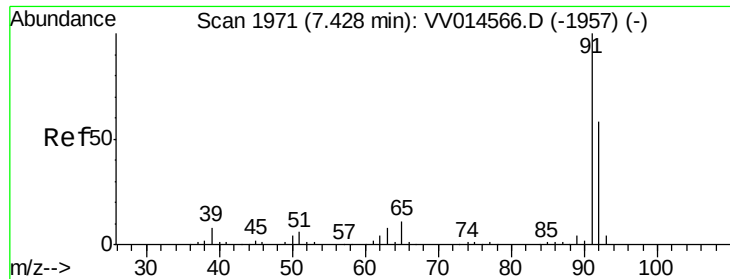


#40

4-Methyl-2-pentanone
Concen: 91.867 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Tgt Ion: 43 Resp: 204724
Ion Ratio Lower Upper
43 100
58 43.7 35.0 52.6
100 19.4 15.7 23.5





#42

Toluene

Concen: 48.932 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

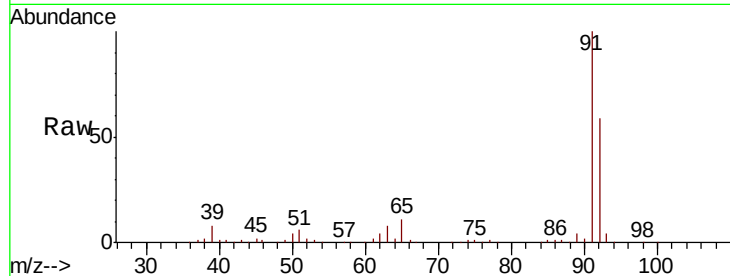
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 389851

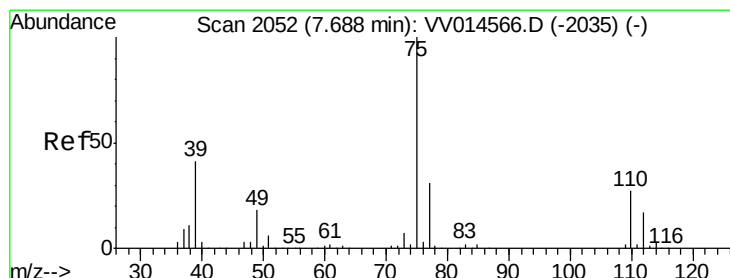
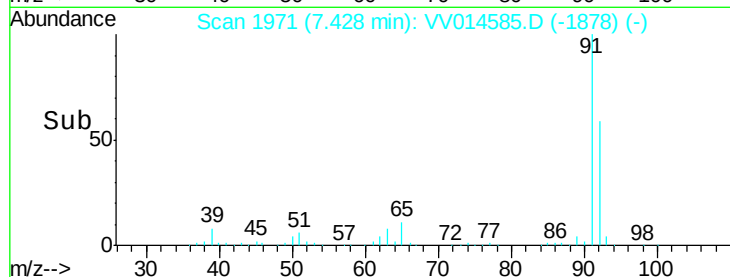
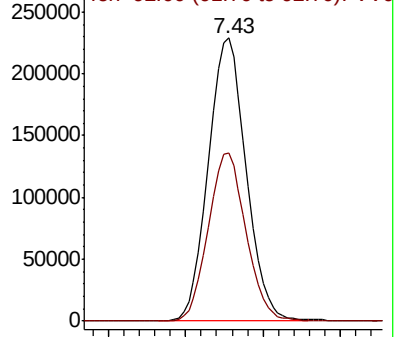
Ion Ratio Lower Upper

91 100

92 59.4 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 48.388 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014585.D

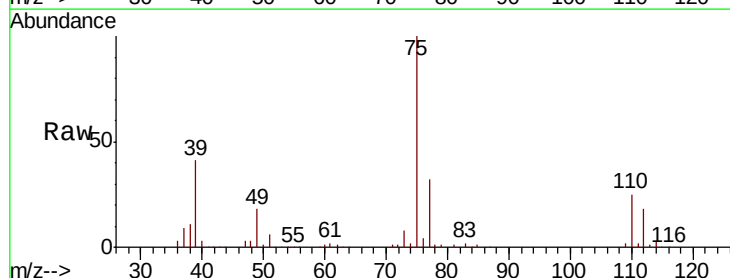
Acq: 13 Feb 2020 13:44

Tgt Ion: 75 Resp: 139177

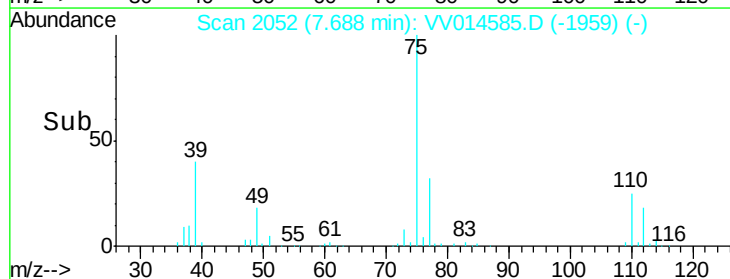
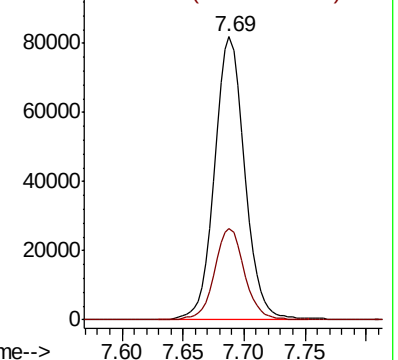
Ion Ratio Lower Upper

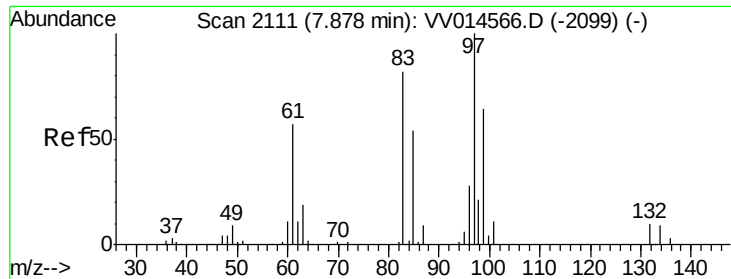
75 100

77 32.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

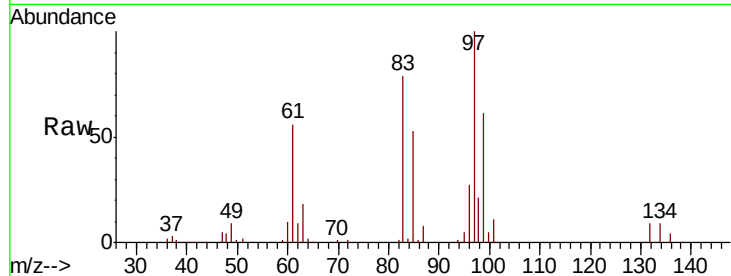




#45
 1,1,2-Trichloroethane
 Concen: 49.553 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	92346
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.9	83.3
83	79.2	57.5	106.7
85	52.9	37.5	69.7



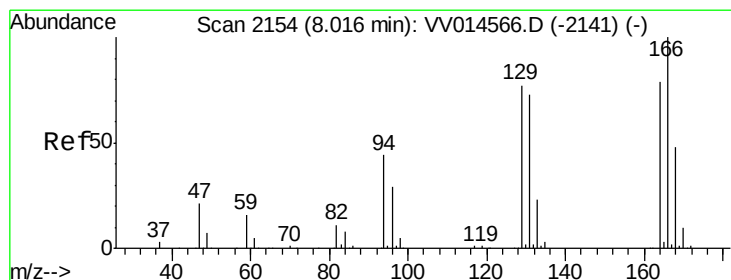
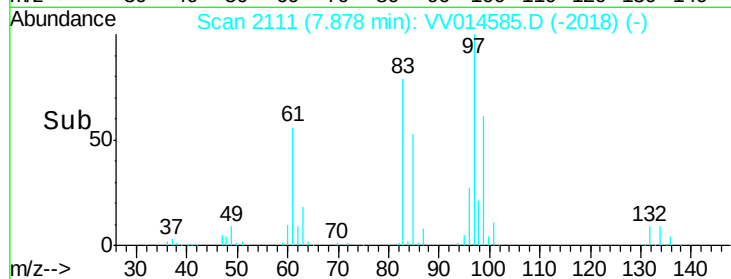
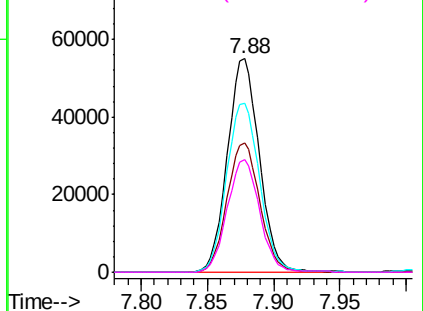
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

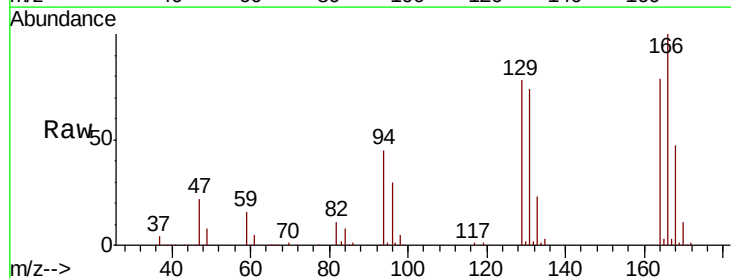
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.822 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

Tgt Ion:	164	Resp:	77242
Ion	Ratio	Lower	Upper
164	100		
129	98.3	67.8	126.0
131	93.2	64.5	119.9
166	126.7	88.6	164.6



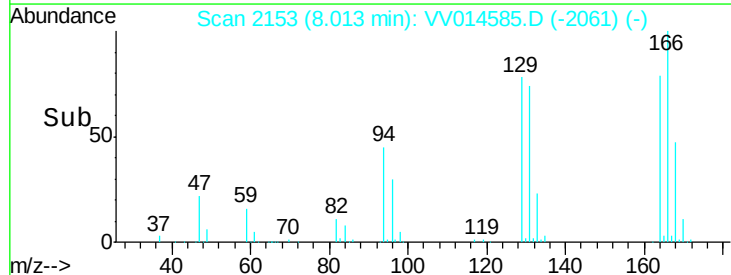
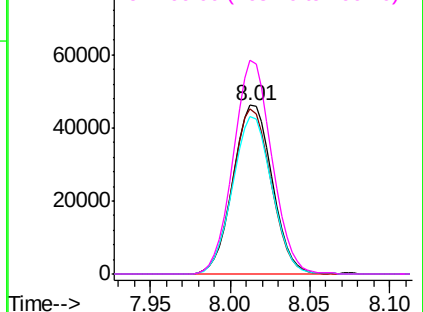
Abundance

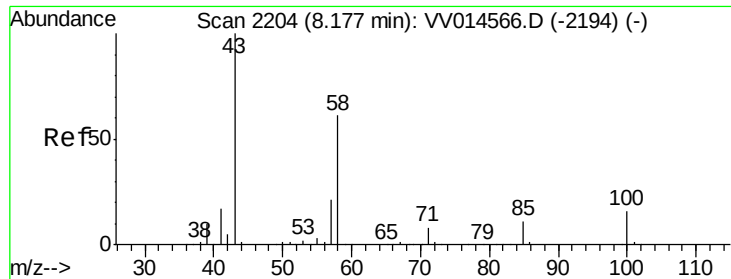
Ion 164.00 (163.70 to 164.70): V

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

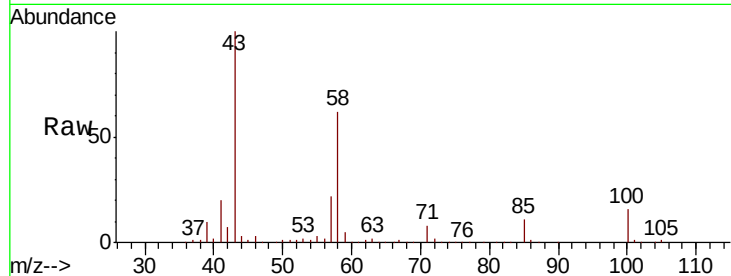




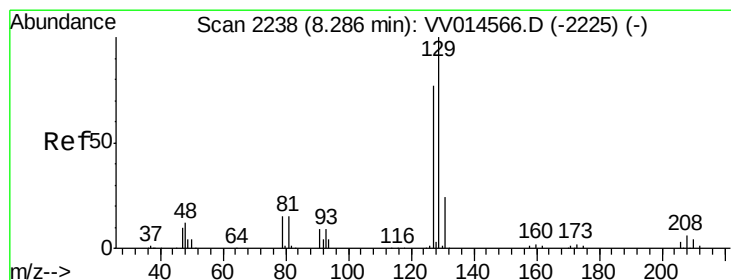
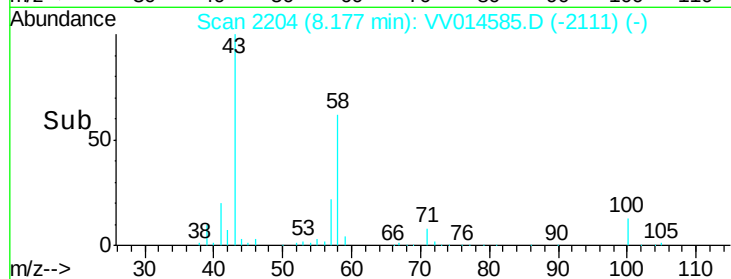
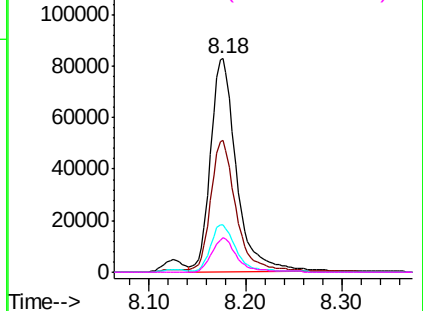
#48
2-Hexanone
Concen: 88.822 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 154321
Ion Ratio Lower Upper
43 100
58 59.3 50.4 75.6
57 21.9 17.8 26.6
100 15.4 12.6 19.0

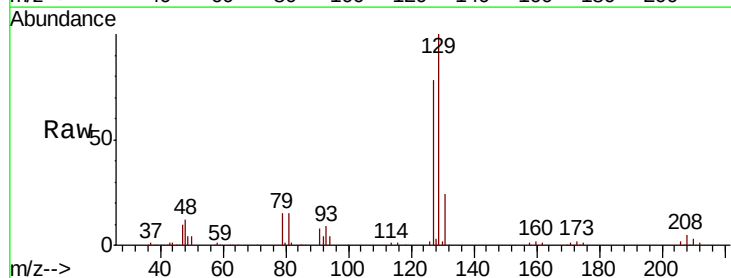


Abundance Ion 43.00 (42.70 to 43.70): VV014585.D (-2111) (-)
Ion 58.00 (57.70 to 58.70): VV014585.D (-2111) (-)
Ion 57.00 (56.70 to 57.70): VV014585.D (-2111) (-)
Ion 100.00 (99.70 to 100.70): VV014585.D (-2111) (-)

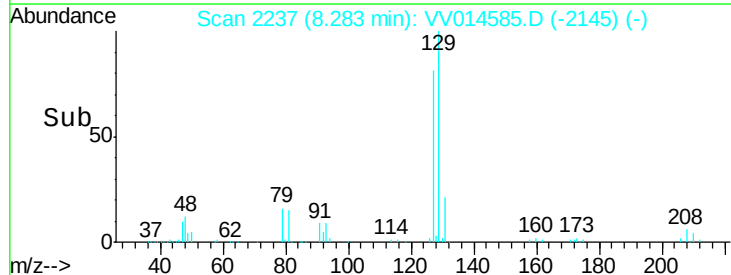
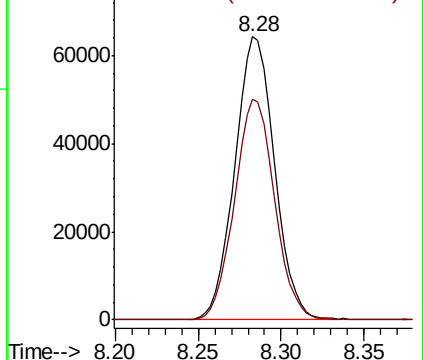


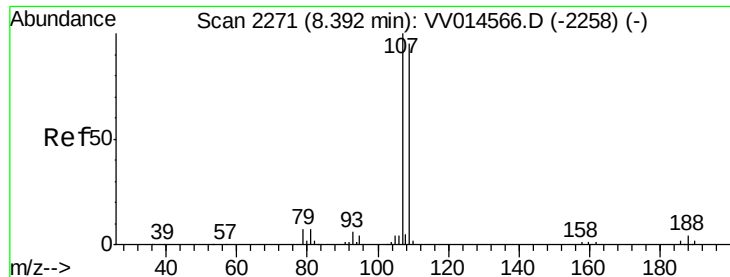
#49
Dibromochloromethane
Concen: 48.360 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Tgt Ion: 129 Resp: 107409
Ion Ratio Lower Upper
129 100
127 78.1 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014585.D (-2145) (-)
Ion 127.00 (126.70 to 127.70): VV014585.D (-2145) (-)

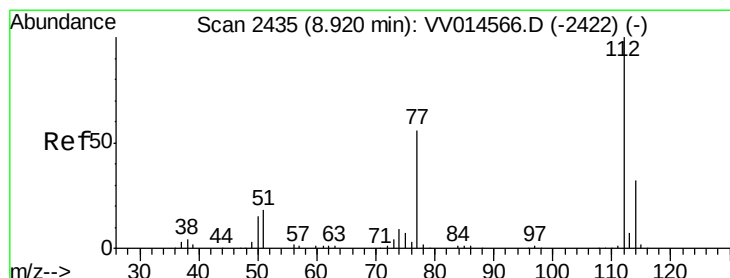
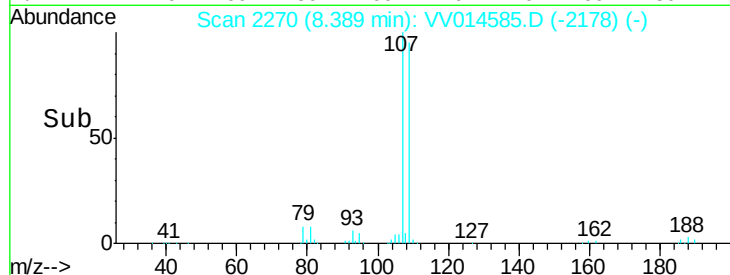
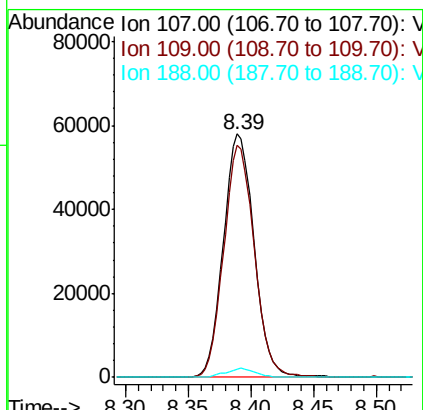
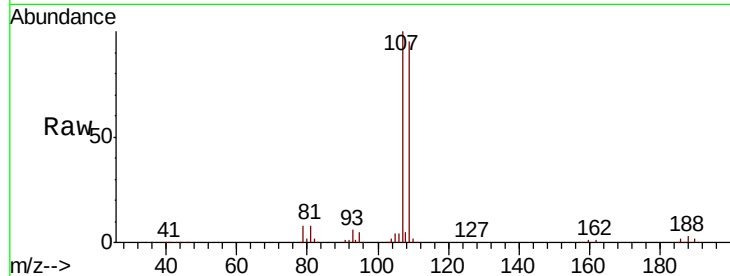




#50
1,2-Dibromoethane
Concen: 48.792 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

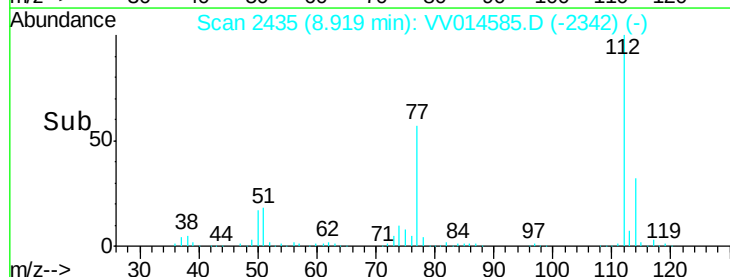
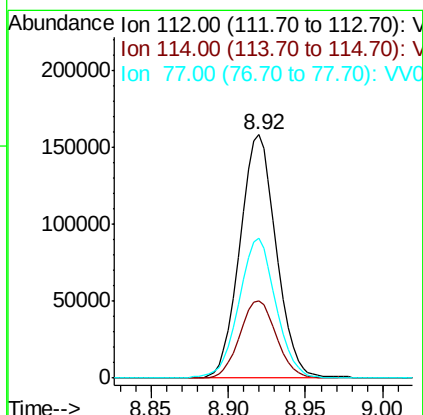
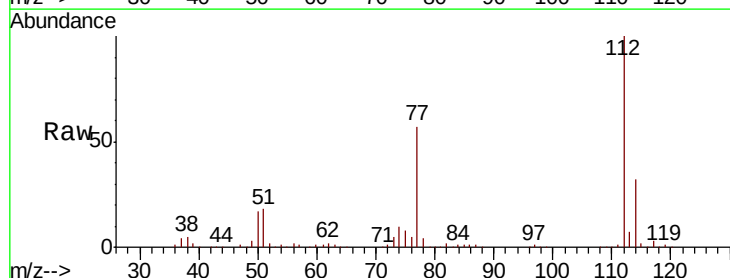
Instrument :
MSVOA_V
ClientSampleId :

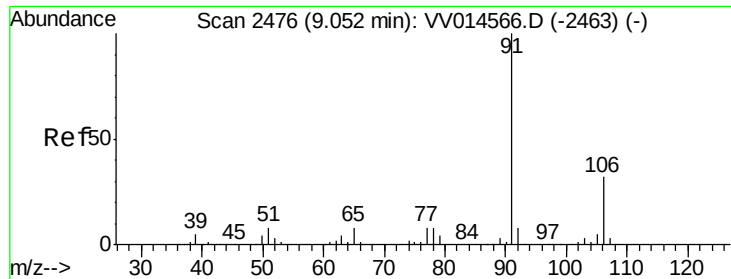
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.1	122.8
188	3.4	3.0	4.6



#51
Chlorobenzene
Concen: 48.692 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.3	41.3
77	57.3	45.3	67.9





#52

Ethylbenzene

Concen: 49.062 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

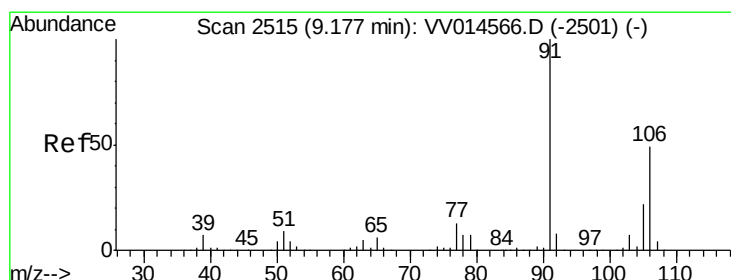
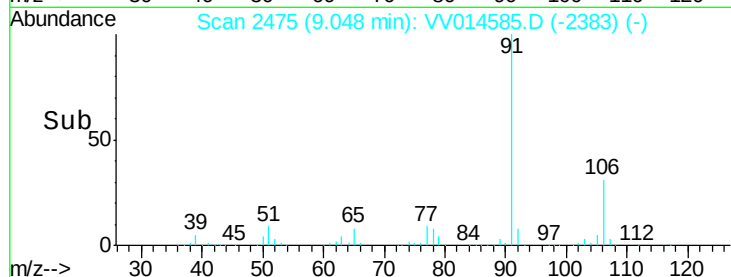
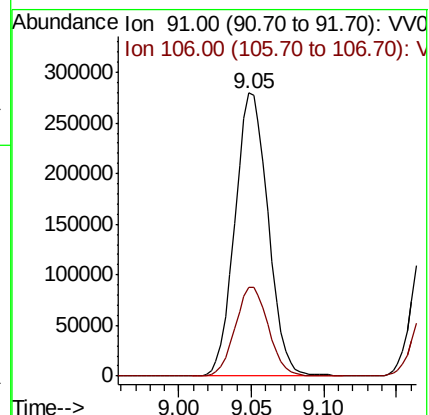
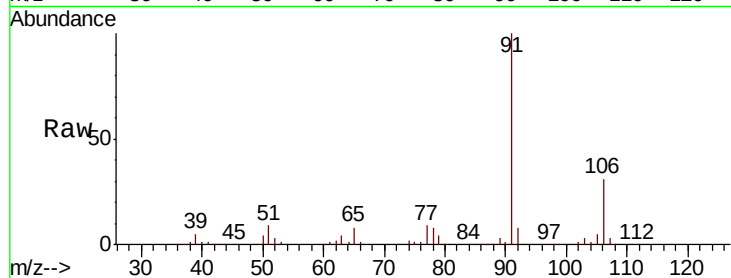
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 443404

Ion Ratio Lower Upper

91 100

106 31.2 22.3 41.5



#53

m,p-Xylene

Concen: 48.448 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014585.D

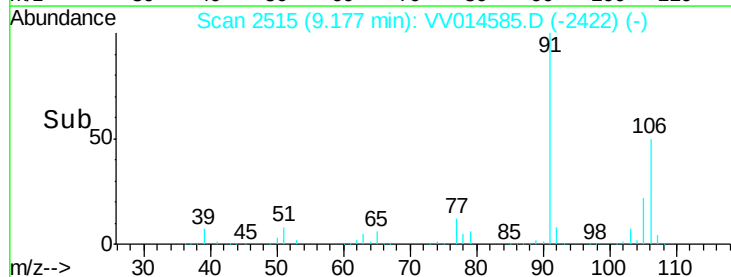
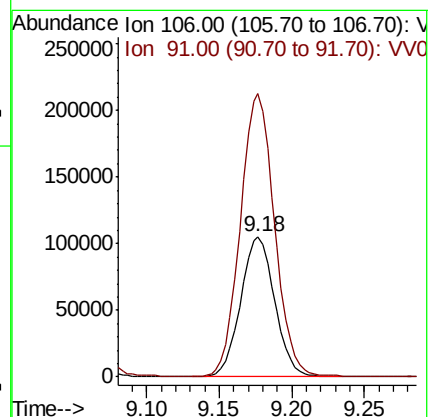
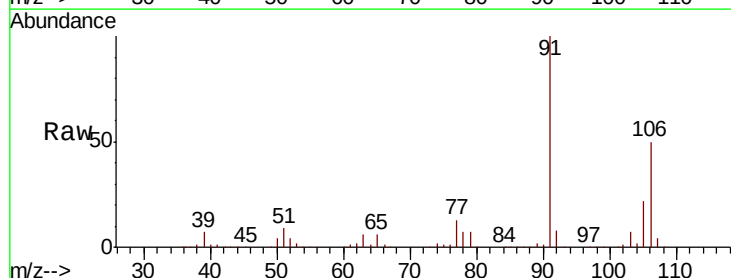
Acq: 13 Feb 2020 13:44

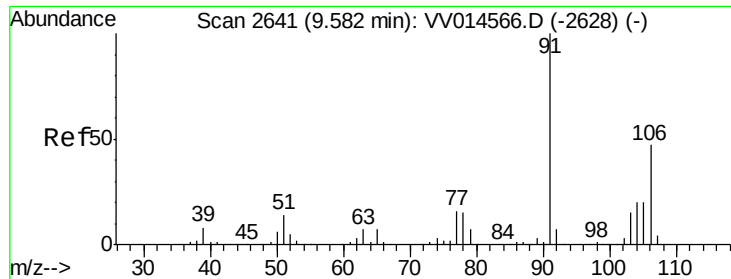
Tgt Ion: 106 Resp: 170942

Ion Ratio Lower Upper

106 100

91 201.4 142.4 264.4





#54

o-xylene

Concen: 48.857 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

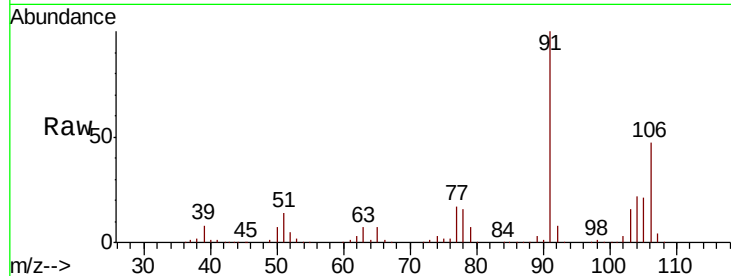
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 164770

Ion Ratio Lower Upper

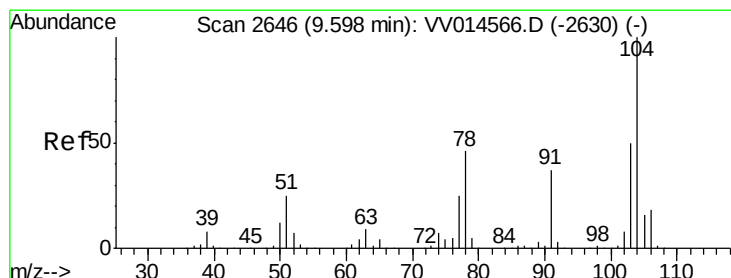
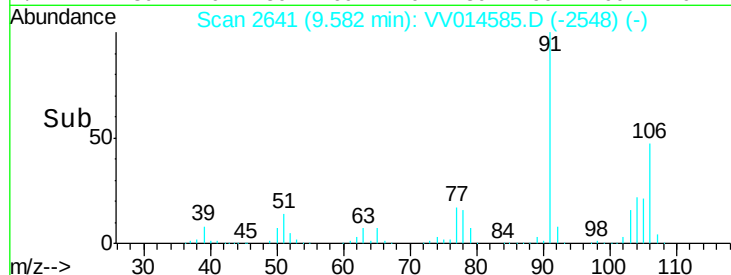
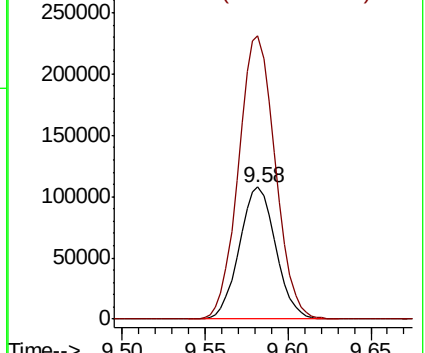
106 100

91 214.6 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.226 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014585.D

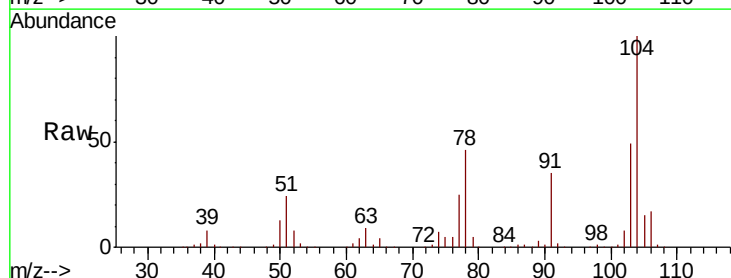
Acq: 13 Feb 2020 13:44

Tgt Ion:104 Resp: 285259

Ion Ratio Lower Upper

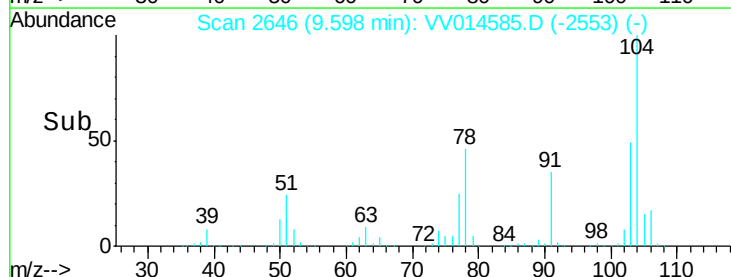
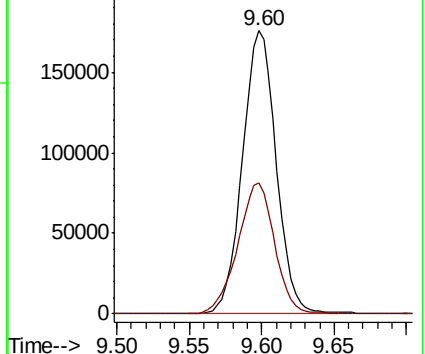
104 100

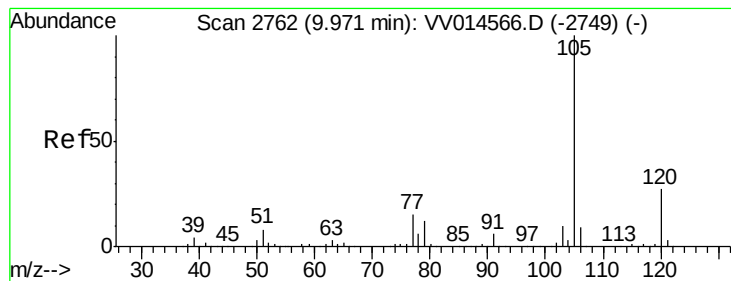
78 46.1 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.403 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampleId :

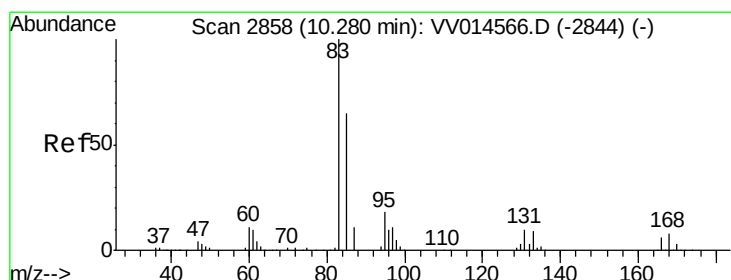
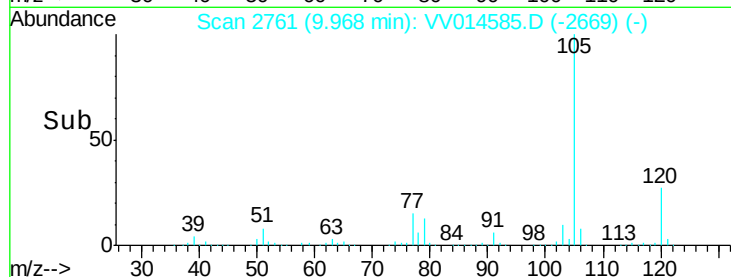
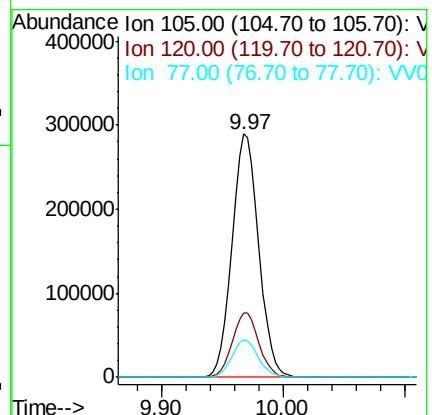
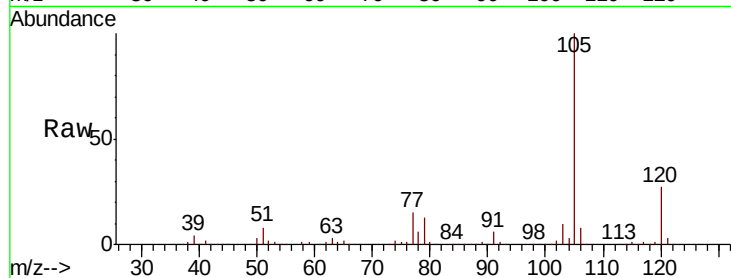
Tot Ion:105 Resp: 443179

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

77 15.4 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 48.209 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

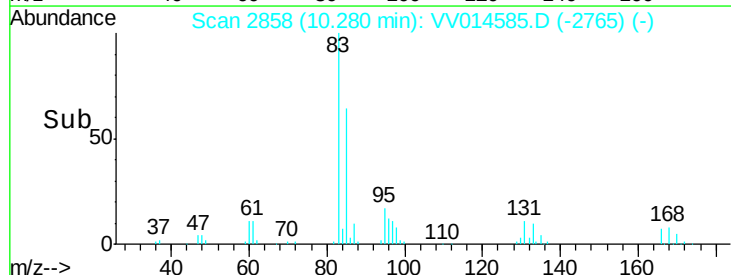
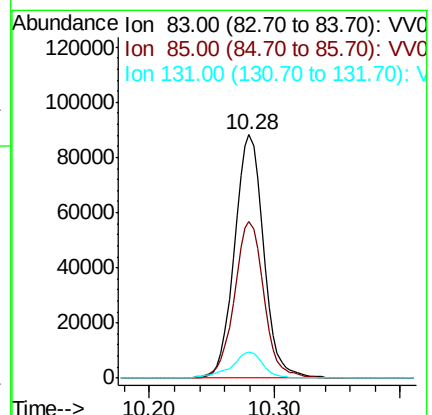
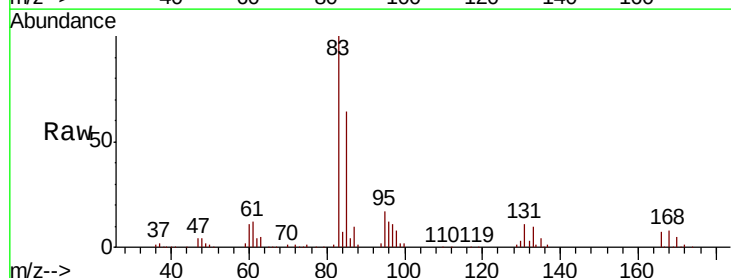
Tgt Ion: 83 Resp: 141932

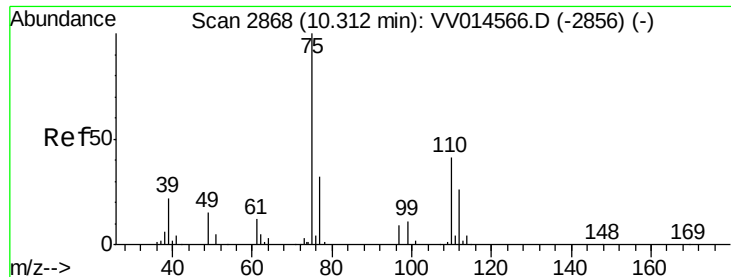
Ion Ratio Lower Upper

83 100

85 64.1 45.7 84.9

131 10.6 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 47.242 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

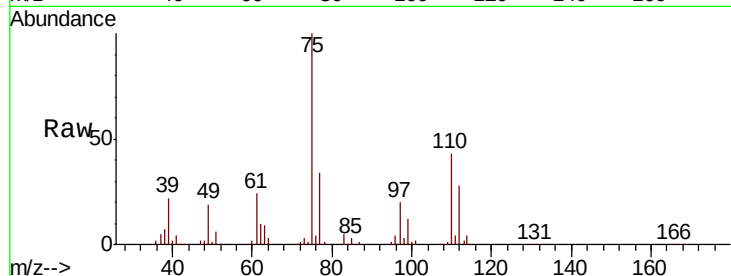
ClientSampleId :

Tot Ion: 75 Resp: 109681

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014566.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014566.D (-2856) (-)

10.31

80000

60000

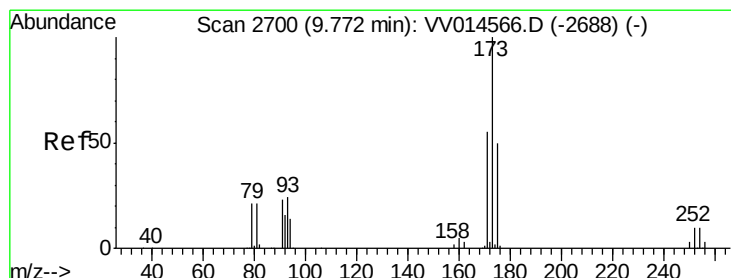
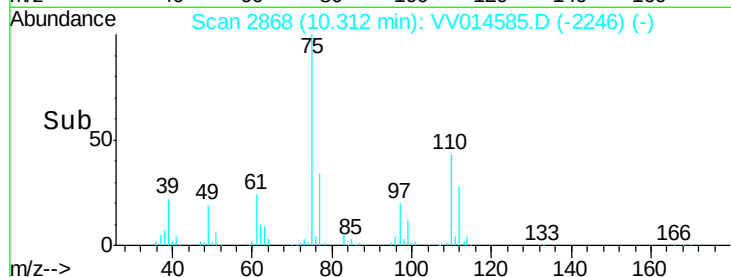
40000

20000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 48.009 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

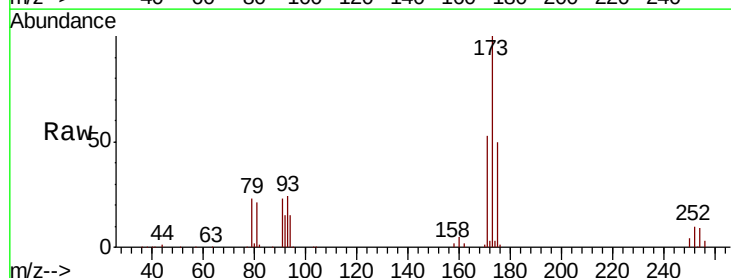
Tgt Ion: 173 Resp: 73483

Ion Ratio Lower Upper

173 100

175 49.4 39.3 58.9

254 8.7 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): VV014566.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014566.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014566.D (-2688) (-)

9.77

60000

50000

40000

30000

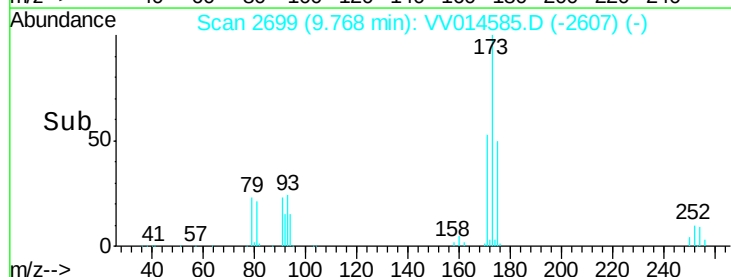
20000

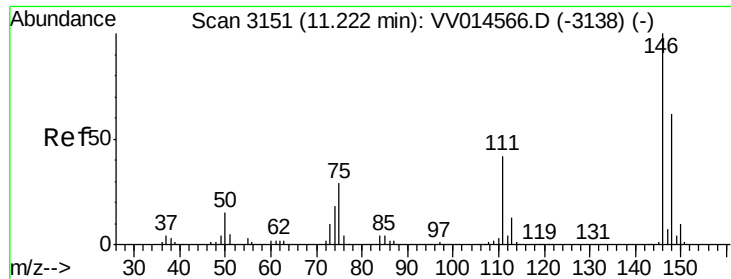
10000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.441 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

Instrument :

MSVOA_V

ClientSampleId :

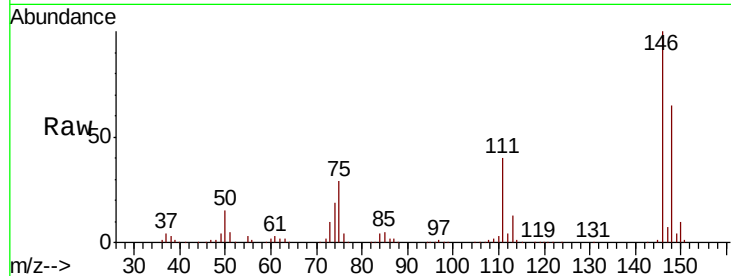
Tot Ion:146 Resp: 207173

Ion Ratio Lower Upper

146 100

111 40.4 29.4 54.6

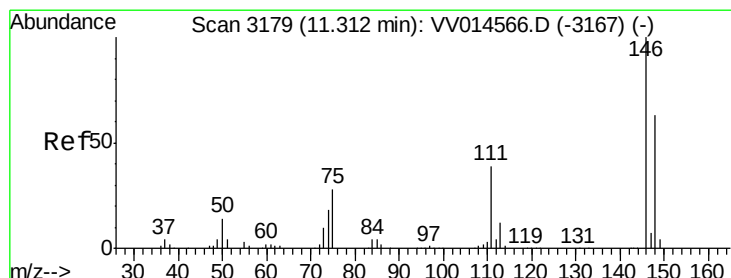
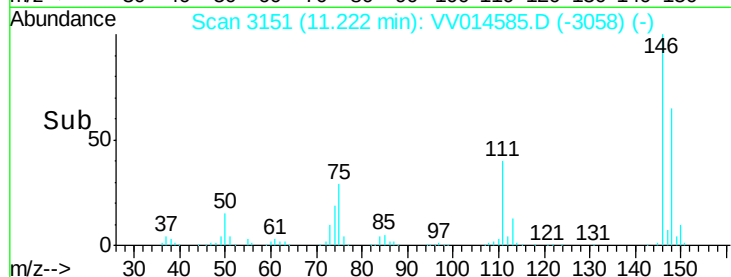
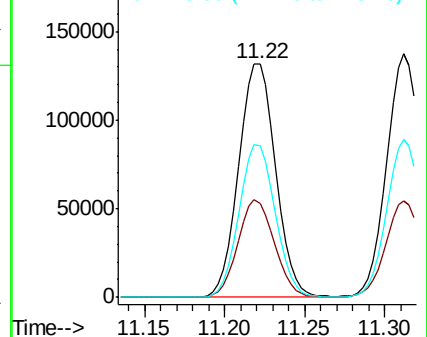
148 64.7 43.6 81.0



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: 48.195 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014585.D

Acq: 13 Feb 2020 13:44

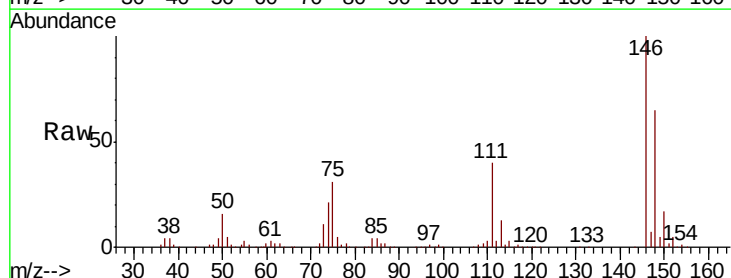
Tgt Ion:146 Resp: 210095

Ion Ratio Lower Upper

146 100

111 39.7 27.7 51.5

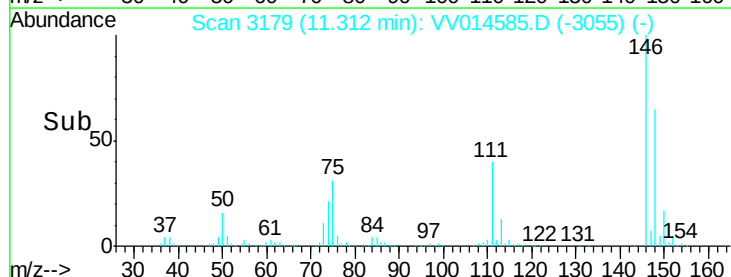
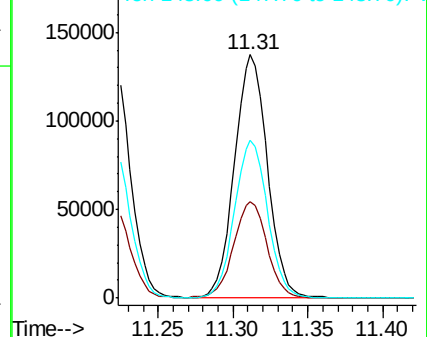
148 64.8 44.1 81.9

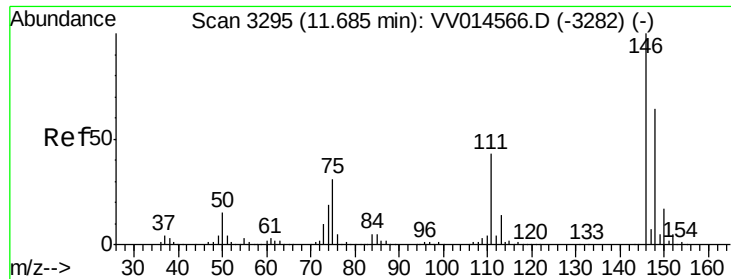


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

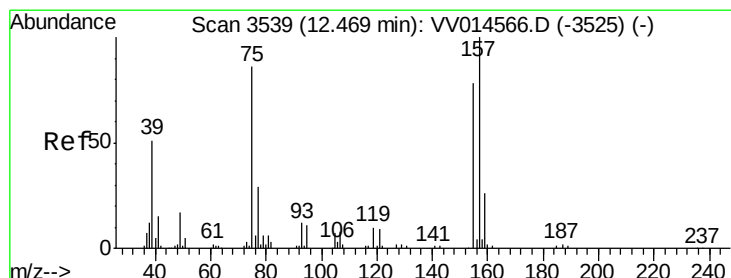
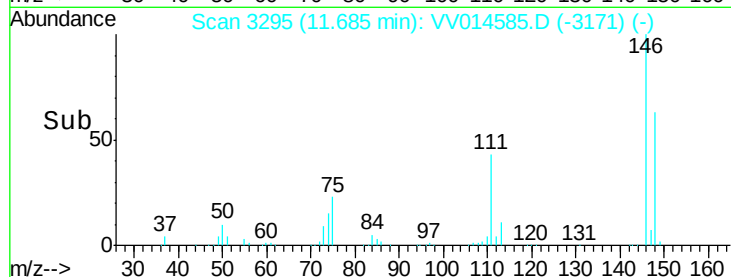
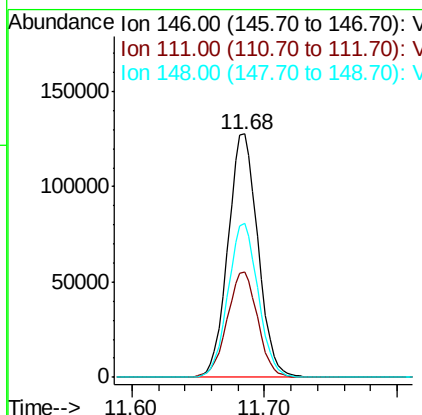
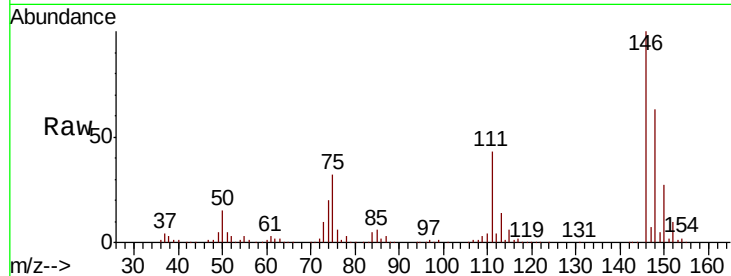




#65
 1,2-Dichlorobenzene
 Concen: 47.684 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

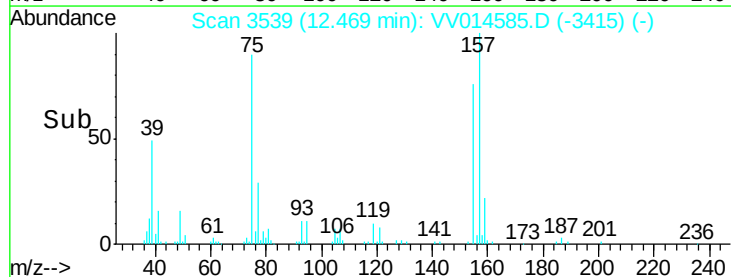
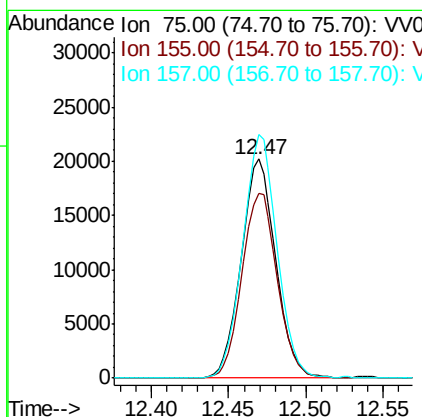
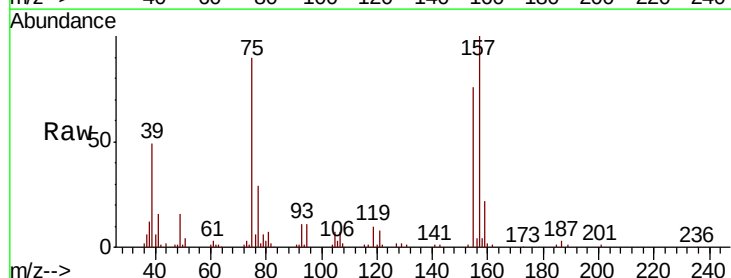
Instrument :
 MSVOA_V
 ClientSampleId :

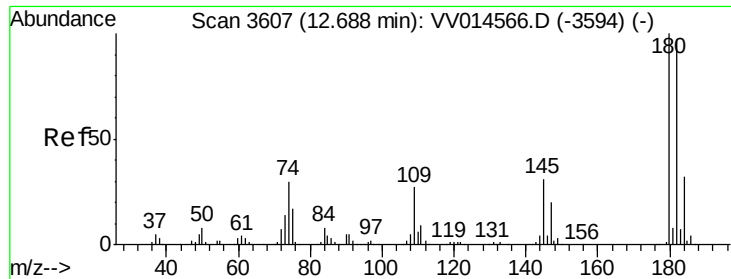
Tot Ion:146 Resp: 200327
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 52.0
 148 63.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.837 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

Tgt Ion: 75 Resp: 31370
 Ion Ratio Lower Upper
 75 100
 155 84.5 72.9 109.3
 157 111.2 93.0 139.4

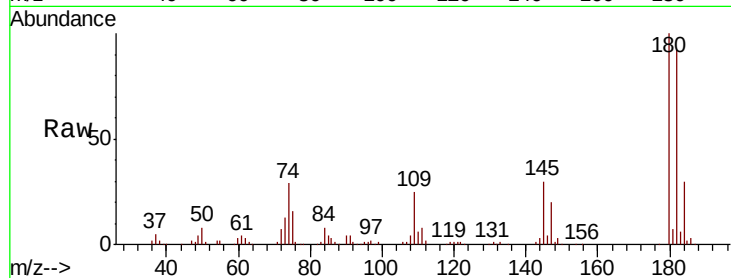




#67
 1,3,5-Trichlorobenzene
 Concen: 48.916 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	Resp	150449
Ion Ratio	Lower	Upper	
180	100		
182	93.0	77.2	115.8
184	30.4	24.5	36.7
145	31.1	25.3	37.9



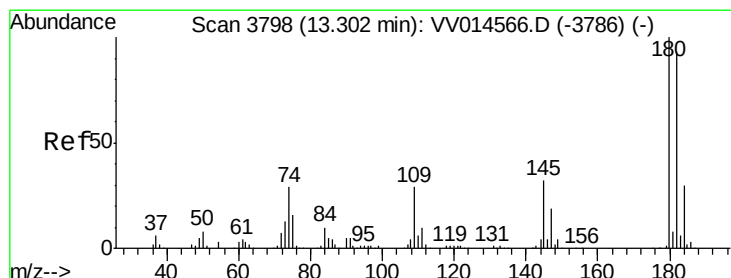
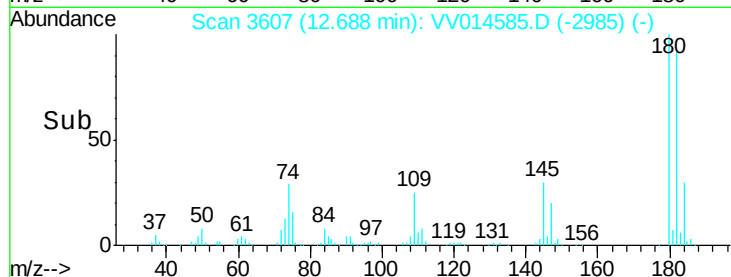
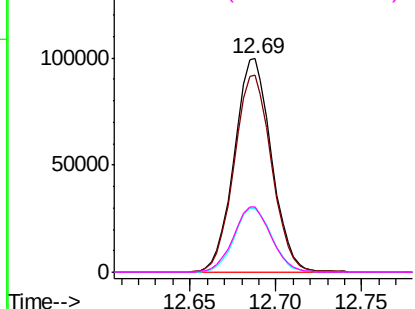
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

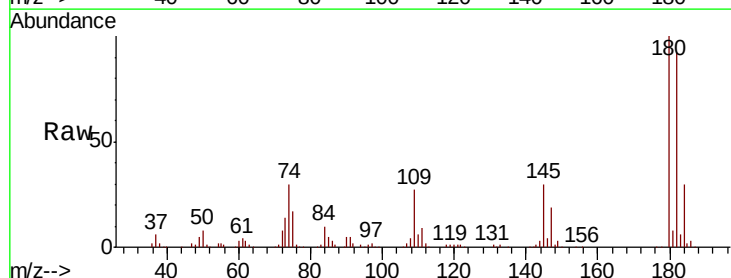
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.037 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014585.D
 Acq: 13 Feb 2020 13:44

Tgt Ion	180	Resp	136820
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.2	114.2
145	31.3	25.8	38.6

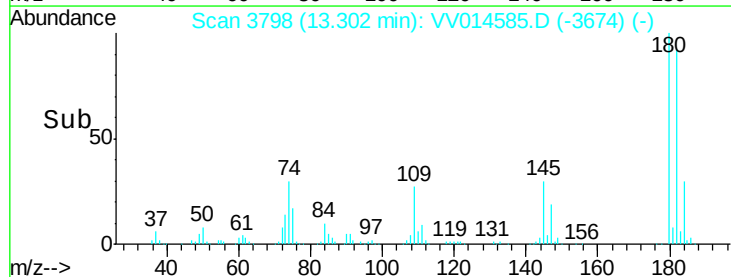
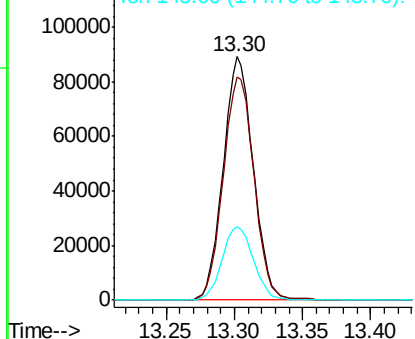


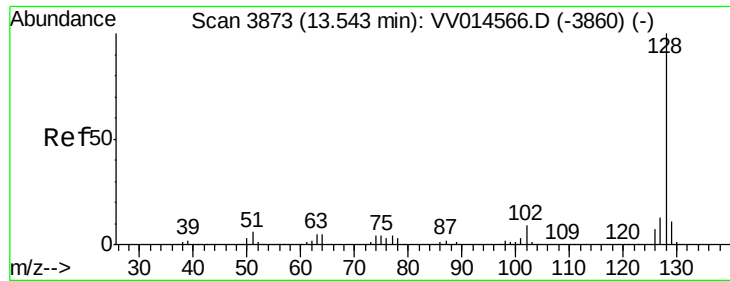
Abundance

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

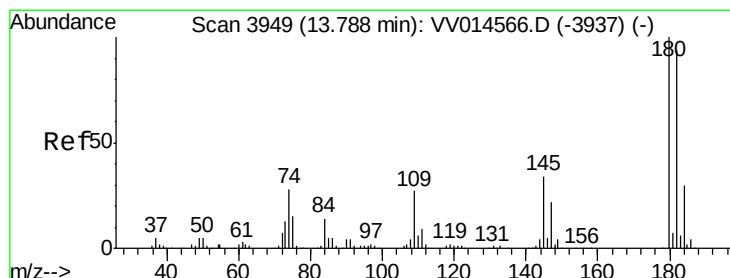
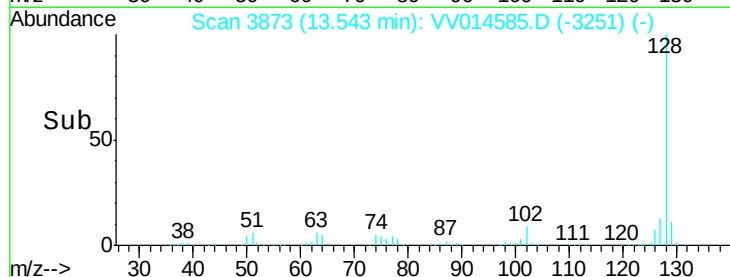
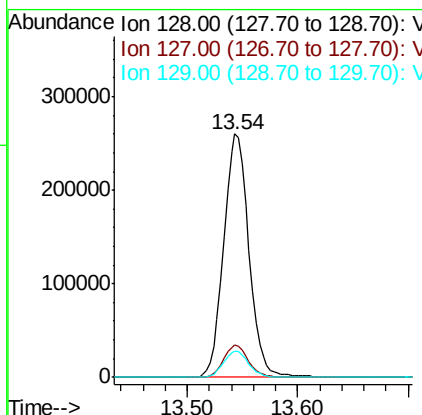
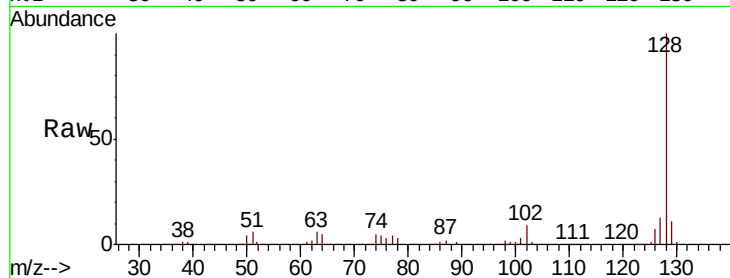




#69
Naphthalene
Concen: 45.727 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 412989
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 47.176 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014585.D
Acq: 13 Feb 2020 13:44

Tgt Ion:180 Resp: 129533
Ion Ratio Lower Upper
180 100
182 93.0 75.2 112.8
145 34.1 27.1 40.7

