

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052220\
 Data File : VV016168.D
 Acq On : 22 May 2020 13:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 23 05:04:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 14:14:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	136488	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	130952	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40862	5.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.40%
7) Chloroethane-d5	1.58	69	35392	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.12	63	90315	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.40%
20) 2-Butanone-d5	3.97	46	72150	34.16	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.32%
24) Chloroform-d	4.38	84	79731	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.06	65	38648	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
32) Benzene-d6	5.07	84	152411	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	44351	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.34	98	147709	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
45) trans-1,3-Dichloropropene-	7.64	79	16412	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
48) 2-Hexanone-d5	8.12	63	56396	34.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27618	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	47399	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	64275	6.146 ug/L	99
3) Chloromethane	1.25	50	59155	5.587 ug/L	99
5) Vinyl chloride	1.32	62	55607	5.492 ug/L	99
6) Bromomethane	1.53	94	28728	4.999 ug/L	99
8) Chloroethane	1.60	64	33159	4.596 ug/L	98
9) Trichlorofluoromethane	1.76	101	75163	5.412 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46902	5.979 ug/L	100
12) 1,1-Dichloroethene	2.13	96	43475	5.788 ug/L	89
13) Acetone	2.27	43	47524	34.109 ug/L	97
14) Carbon disulfide	2.31	76	137594	5.549 ug/L	100
15) Methyl Acetate	2.47	43	14276	4.434 ug/L #	79
16) Methylene chloride	2.52	84	46157	5.136 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	84899	4.350 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	45333	5.461 ug/L	99
19) 1,1-Dichloroethane	3.21	63	85123	5.324 ug/L	99
21) 2-Butanone	4.04	43	79387	37.413 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	45698	5.259 ug/L	97

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 23 05:04:44 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 14:14:57 2020
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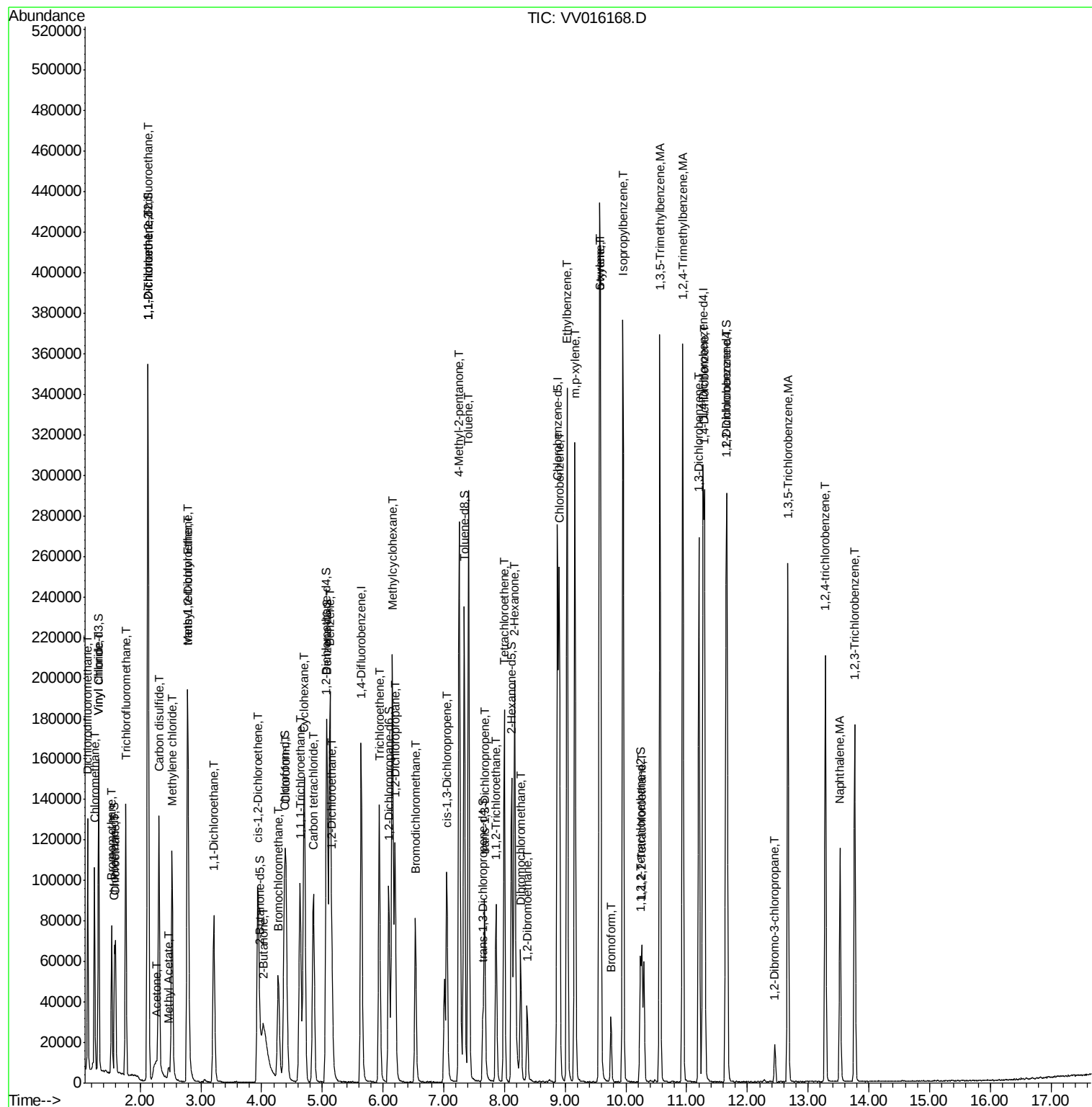
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	17548	4.731	ug/L	96
25) Chloroform	4.40	83	85943	4.881	ug/L	96
27) 1,2-Dichloroethane	5.16	62	49121	4.540	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	77414	5.361	ug/L	99
30) Cyclohexane	4.70	56	80523	5.564	ug/L	98
31) Carbon tetrachloride	4.85	117	66835	5.363	ug/L	99
33) Benzene	5.13	78	184863	5.611	ug/L	100
34) Trichloroethene	5.94	95	47439	5.045	ug/L	95
35) Methylcyclohexane	6.15	83	82391	5.792	ug/L	99
37) 1,2-Dichloropropane	6.20	63	44667	5.336	ug/L	100
38) Bromodichloromethane	6.53	83	54453	5.123	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	59362	5.018	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	216038	41.409	ug/L	100
42) Toluene	7.41	91	201142	5.760	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	185024	5.771	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	186689	5.827	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	48508	4.854	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	26397	4.722	ug/L	98
49) Tetrachloroethene	8.00	164	37685	5.743	ug/L	98
50) 2-Hexanone	8.17	43	148403	40.223	ug/L	99
51) Dibromochloromethane	8.27	129	30491	4.855	ug/L	97
52) 1,2-Dibromoethane	8.38	107	24550	4.736	ug/L #	98
53) Chlorobenzene	8.90	112	123142	5.483	ug/L	99
54) Ethylbenzene	9.03	91	227134	5.720	ug/L	99
55) m,p-xylene	9.16	106	85843	5.838	ug/L	98
56) o-xylene	9.56	106	81123	5.771	ug/L	96
57) Styrene	9.58	104	133923	5.696	ug/L	99
58) Isopropylbenzene	9.95	105	222706	5.766	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	30101	5.039	ug/L	99
62) Bromoform	9.76	173	13250	4.350	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	97802	5.475	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	97034	5.407	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	83333	5.154	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	4849	4.595	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	71291	5.459	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	56985	5.078	ug/L	99
70) Naphthalene	13.53	128	86482	4.845	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	48301	4.879	ug/L	100

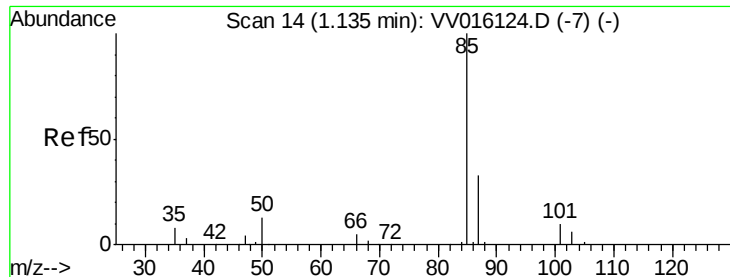
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 23 05:04:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
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#2

Dichlorodifluoromethane

Concen: 6.146 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

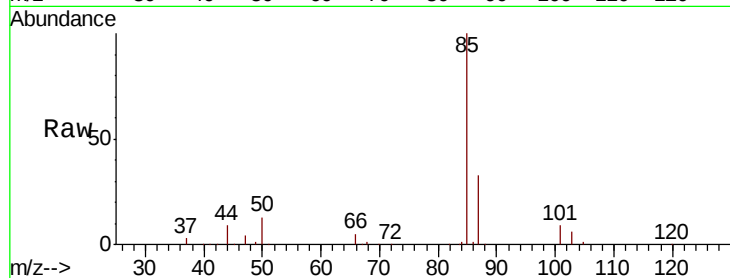
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 64275

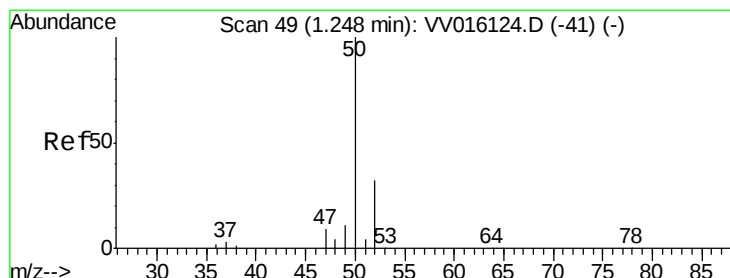
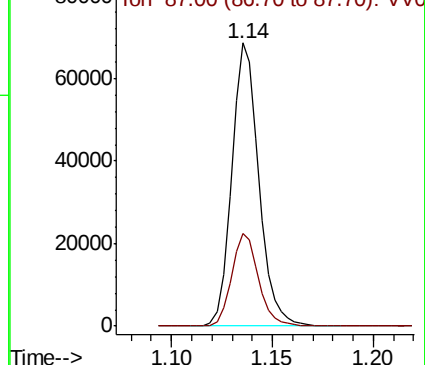
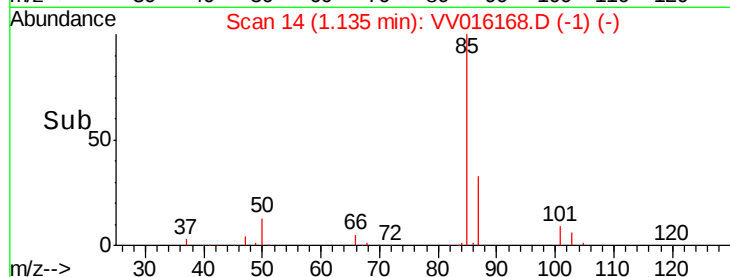
Ion Ratio Lower Upper

85 100

87 32.5 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016168.D (-1) (-)



#3

Chloromethane

Concen: 5.587 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016168.D

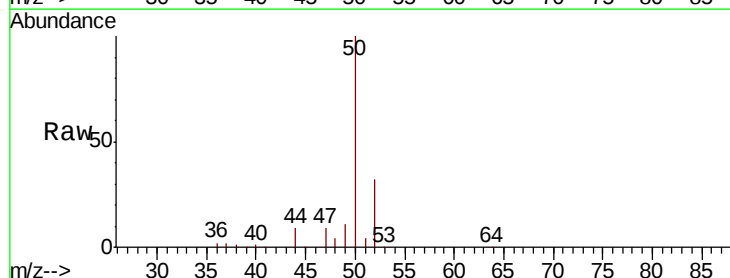
Acq: 22 May 2020 13:04

Tgt Ion: 50 Resp: 59155

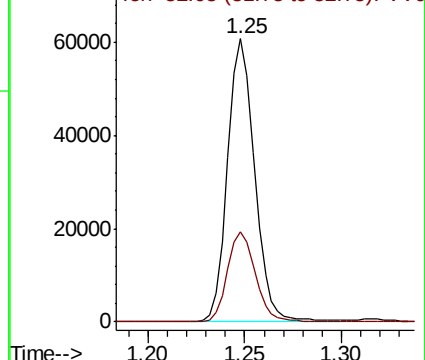
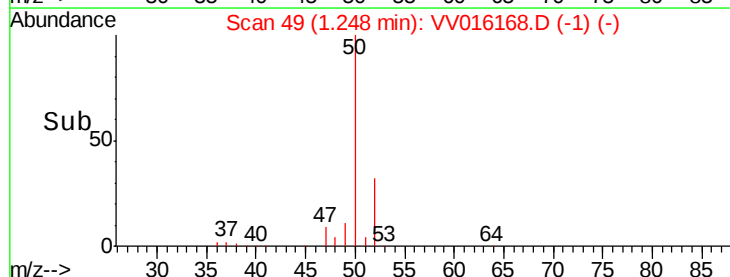
Ion Ratio Lower Upper

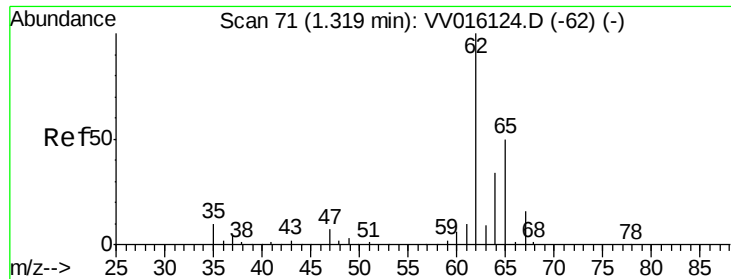
50 100

52 32.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV016168.D (-1) (-)





#5

Vinyl chloride

Concen: 5.492 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

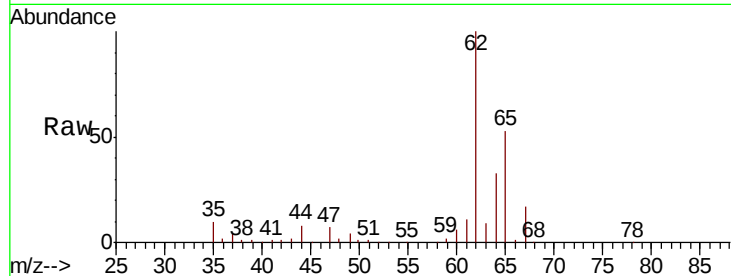
ClientSampled :

Tot Ion: 62 Resp: 55607

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

50000

40000

30000

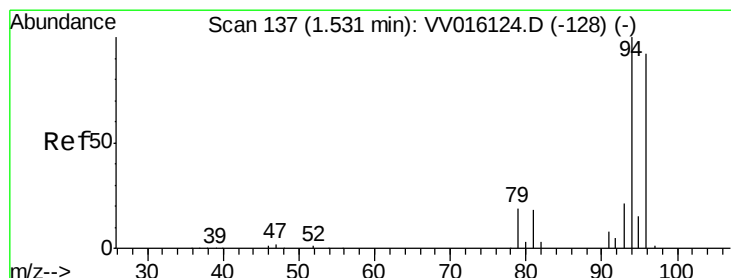
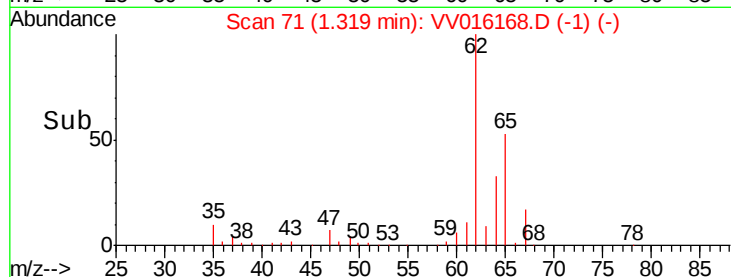
20000

10000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.999 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016168.D

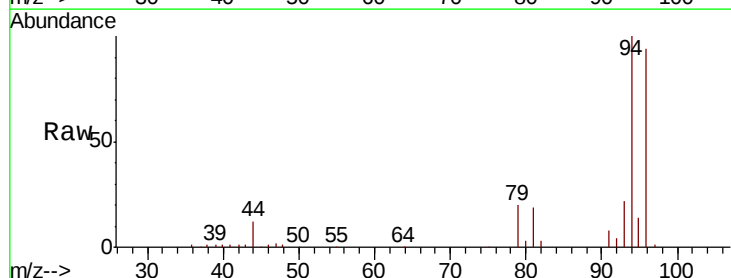
Acq: 22 May 2020 13:04

Tgt Ion: 94 Resp: 28728

Ion Ratio Lower Upper

94 100

96 93.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

25000

20000

15000

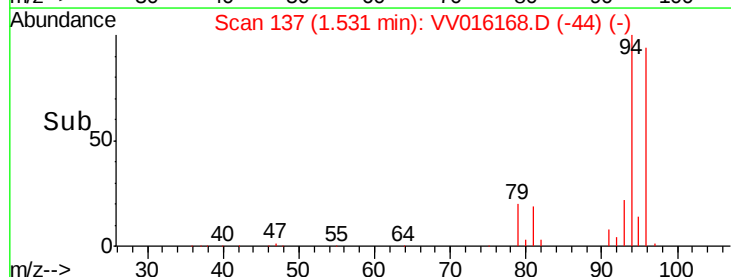
10000

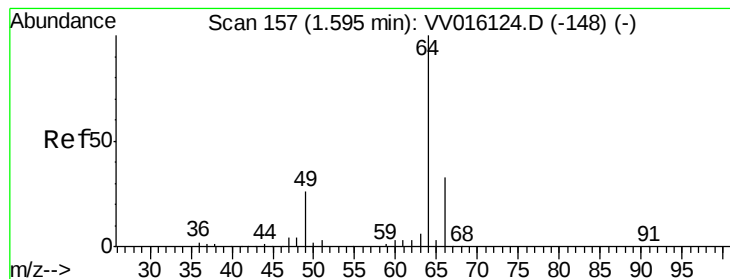
5000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 4.596 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

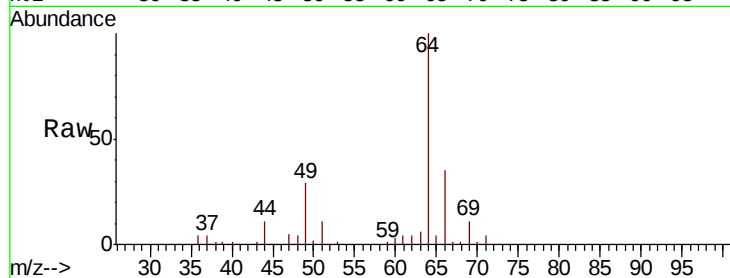
ClientSampleId :

Tot Ion: 64 Resp: 33159

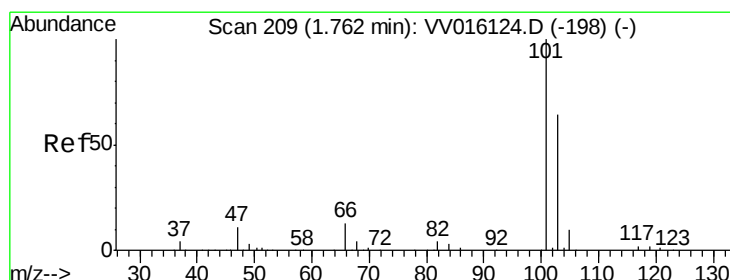
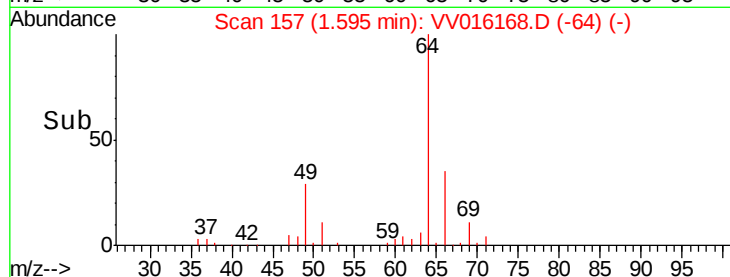
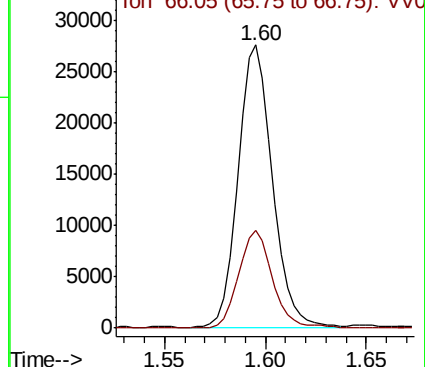
Ion Ratio Lower Upper

64 100

66 34.6 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV016168.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 5.412 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV016168.D

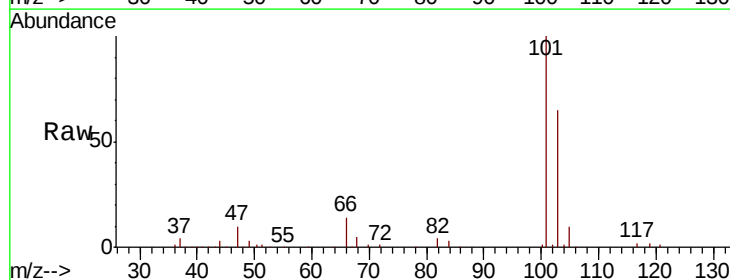
Acq: 22 May 2020 13:04

Tgt Ion: 101 Resp: 75163

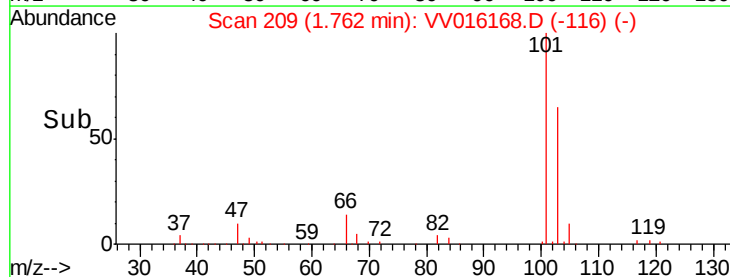
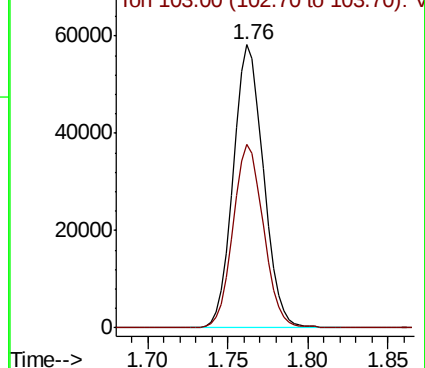
Ion Ratio Lower Upper

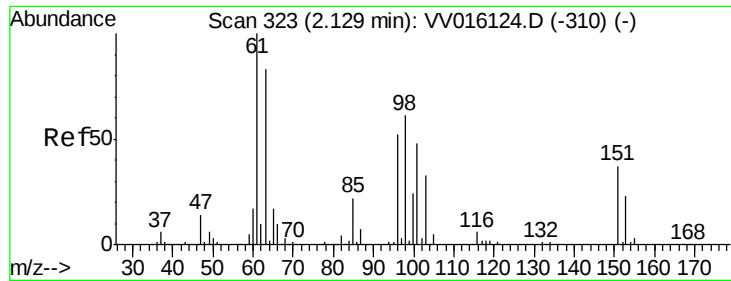
101 100

103 65.2 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV016168.D (-116) (-)





#10

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

Concen: 5.979 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

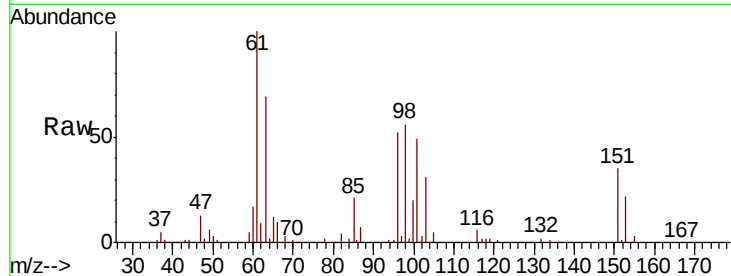
Tot Ion:101 Resp: 46902

Ion Ratio Lower Upper

101 100

85 44.5 35.7 53.5

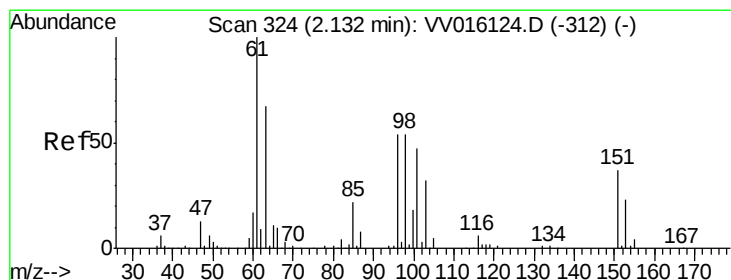
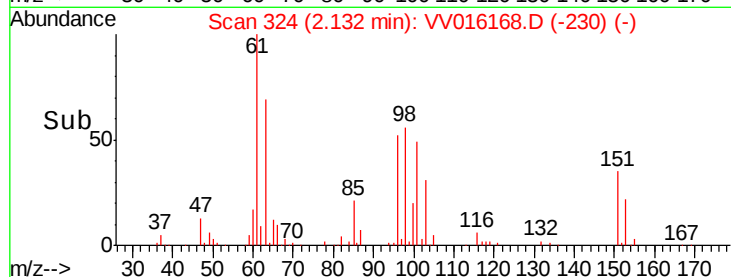
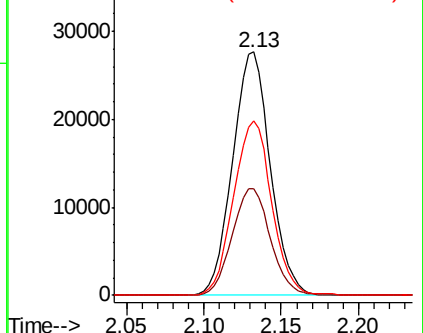
151 72.4 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV016168.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016168.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016168.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.788 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

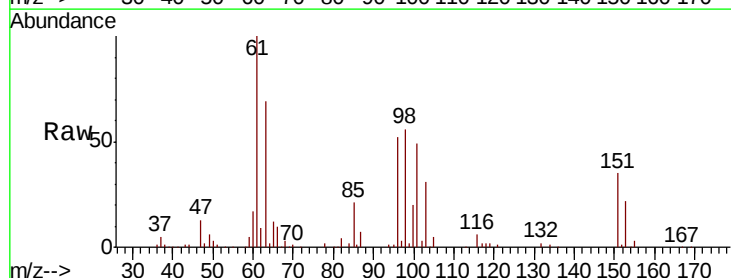
Tgt Ion: 96 Resp: 43475

Ion Ratio Lower Upper

96 100

61 190.5 139.9 259.7

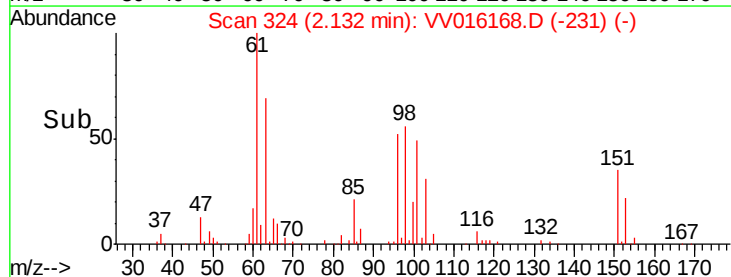
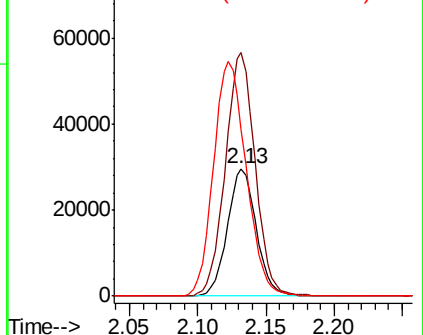
63 131.0 106.4 197.6

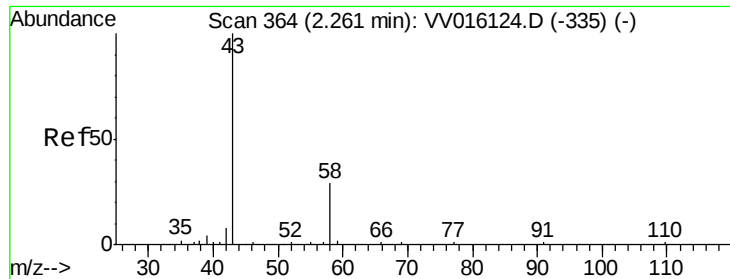


Abundance Ion 96.00 (95.70 to 96.70): VV016168.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV016168.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV016168.D (-231) (-)





#13

Acetone

Concen: 34.109 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.02 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

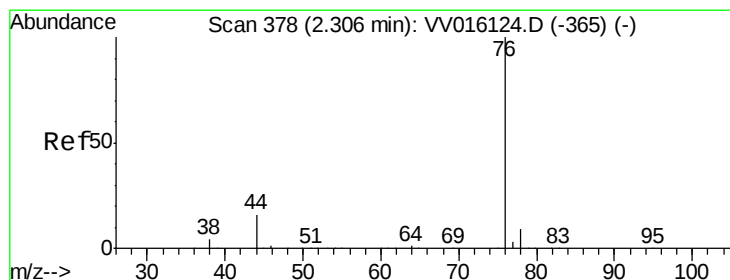
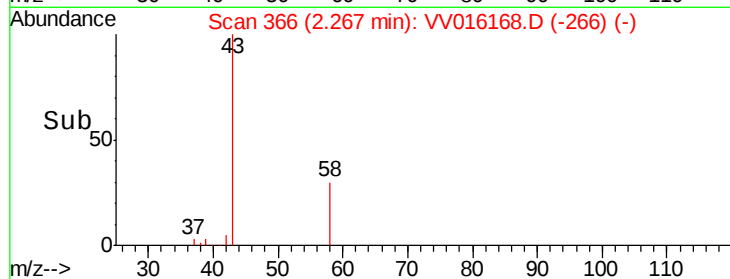
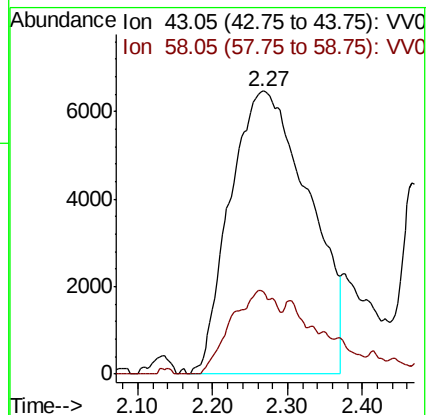
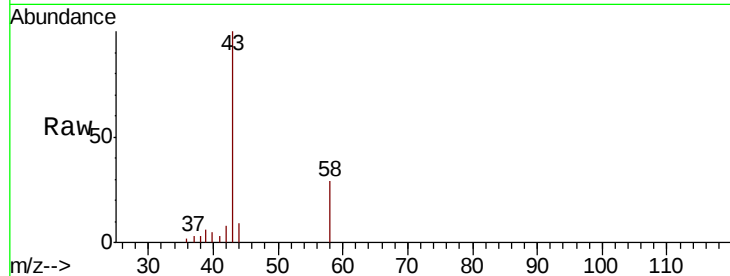
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47524

Ion Ratio Lower Upper

43 100

58 16.7 0.0 30.8



#14

Carbon disulfide

Concen: 5.549 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016168.D

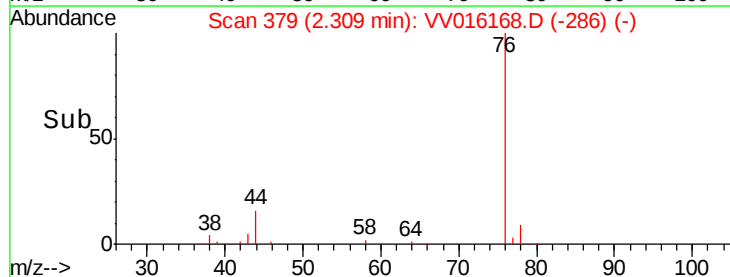
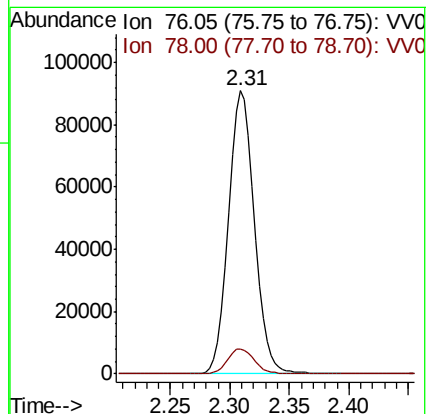
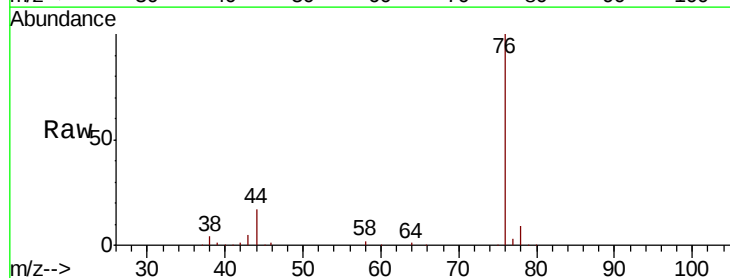
Acq: 22 May 2020 13:04

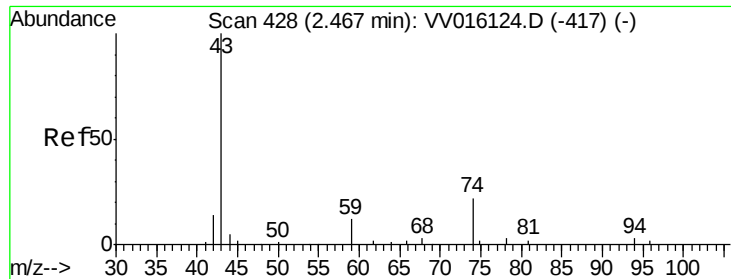
Tgt Ion: 76 Resp: 137594

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6





#15

Methvl Acetate

Concen: 4.434 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

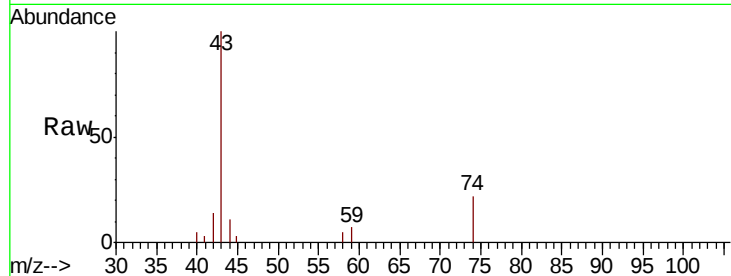
ClientSampleId :

Tot Ion: 43 Resp: 14276

Ion Ratio Lower Upper

43 100

74 13.8 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

5000

4000

3000

2000

1000

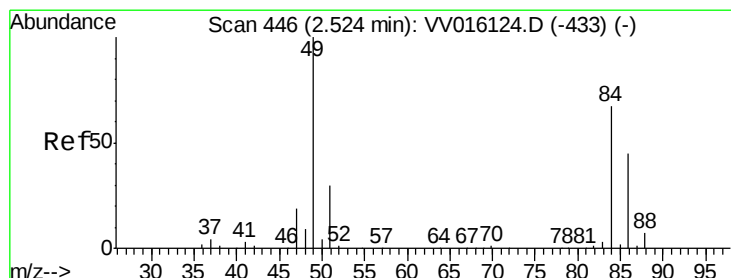
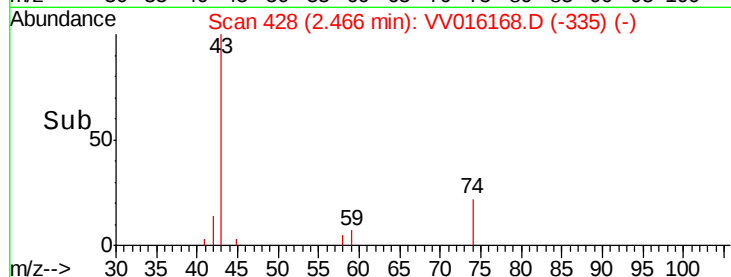
0

Time-->

2.40

2.50

2.60



#16

Methylene chloride

Concen: 5.136 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

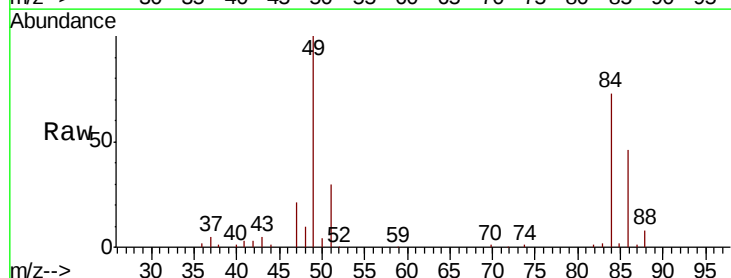
Tgt Ion: 84 Resp: 46157

Ion Ratio Lower Upper

84 100

86 63.8 45.6 84.8

49 137.5 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

50000

40000

30000

20000

10000

0

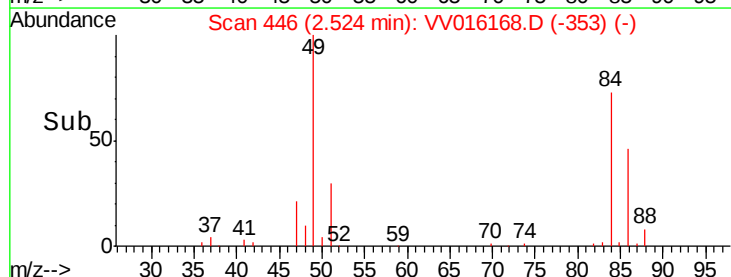
Time-->

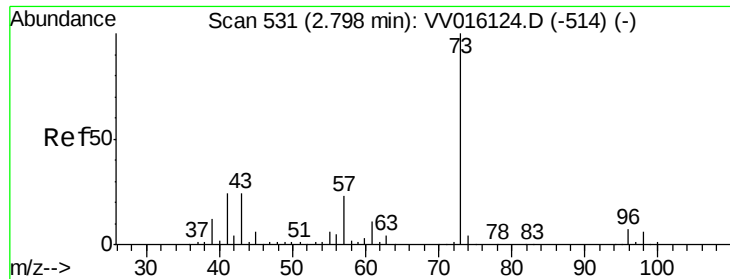
2.45

2.50

2.55

2.60

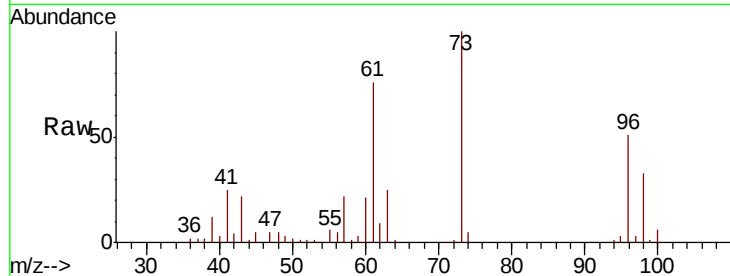




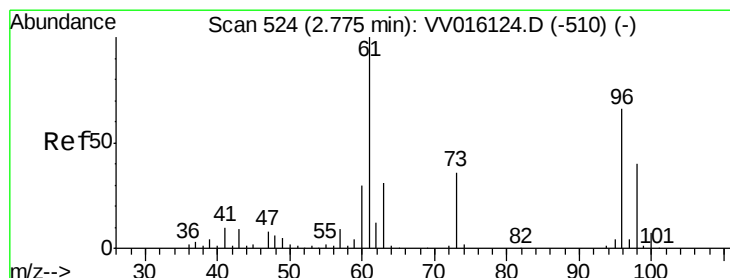
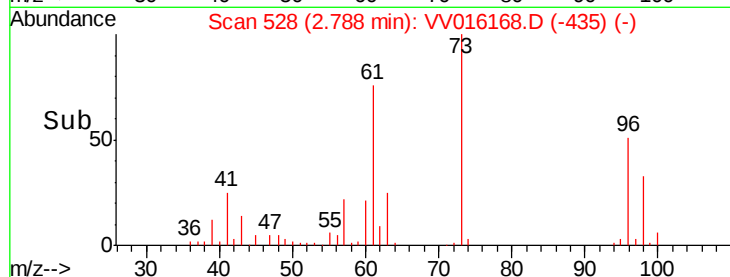
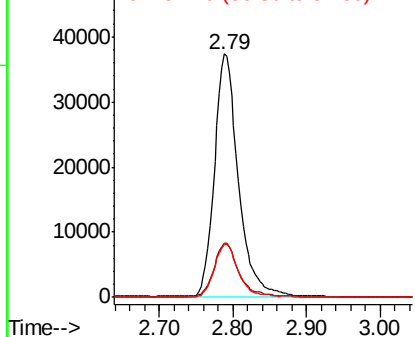
#17
Methvl tert-butvl Ether
Concen: 4.350 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 84899
Ion Ratio Lower Upper
73 100
43 23.7 18.8 28.2
57 22.0 17.8 26.6

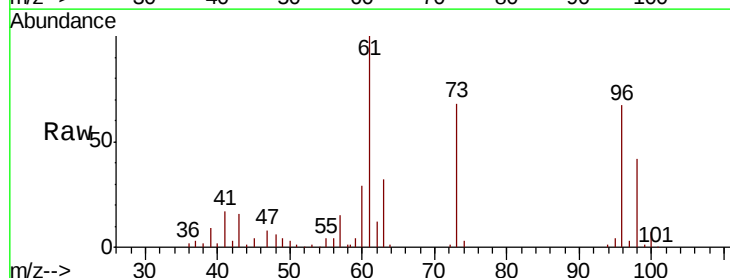


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

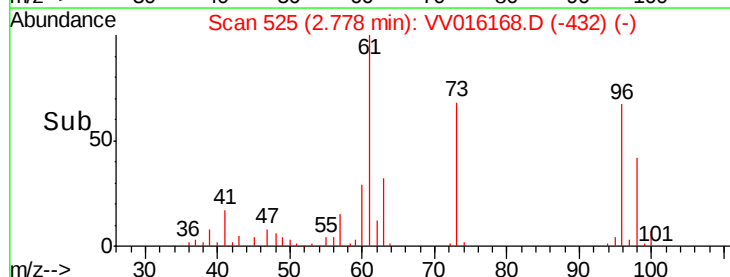
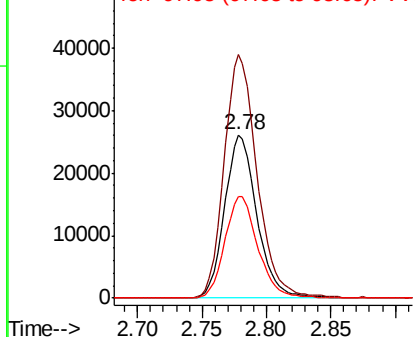


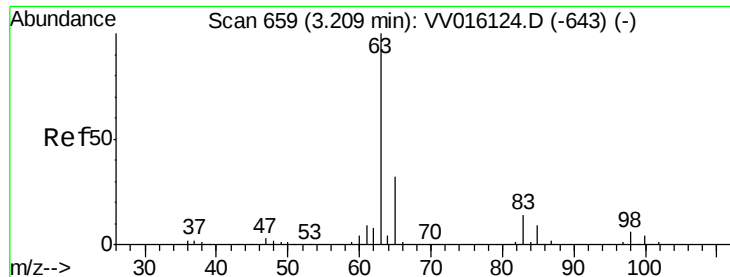
#18
trans-1,2-Dichloroethene
Concen: 5.461 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Tgt Ion: 96 Resp: 45333
Ion Ratio Lower Upper
96 100
61 149.2 105.3 195.5
98 62.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

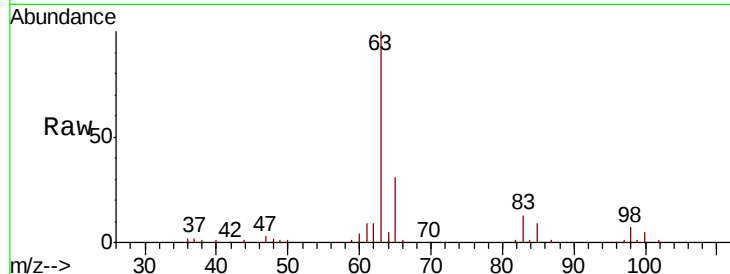




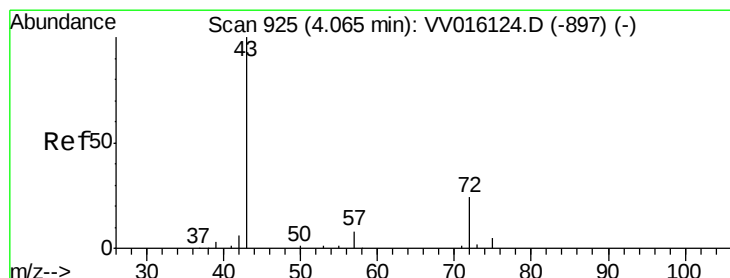
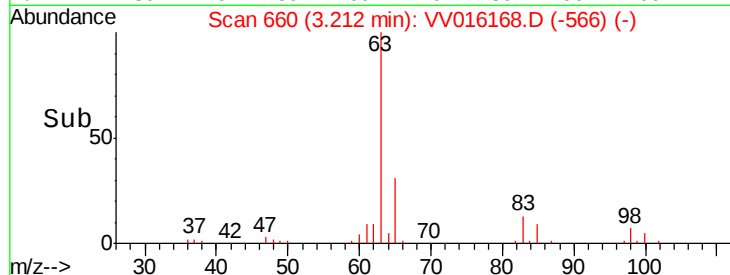
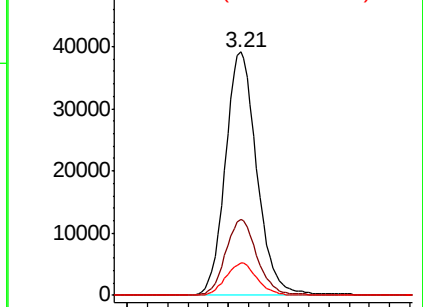
#19
 1,1-Dichloroethane
 Concen: 5.324 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 85123
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 41.0
 83 13.2 9.8 18.2

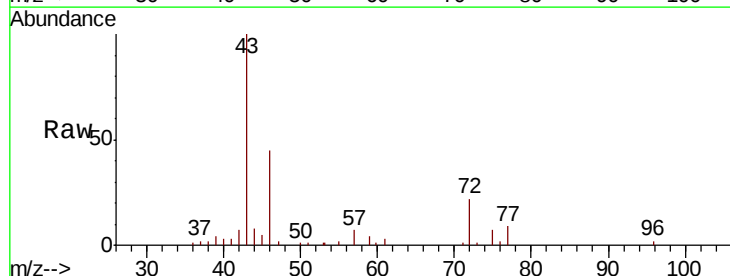


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

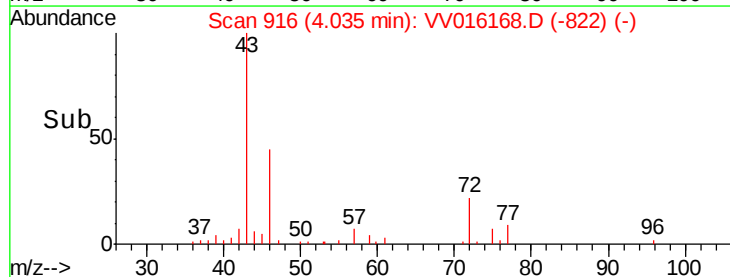
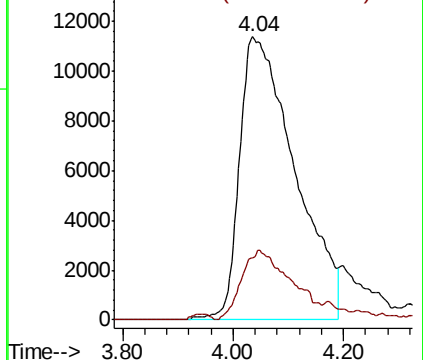


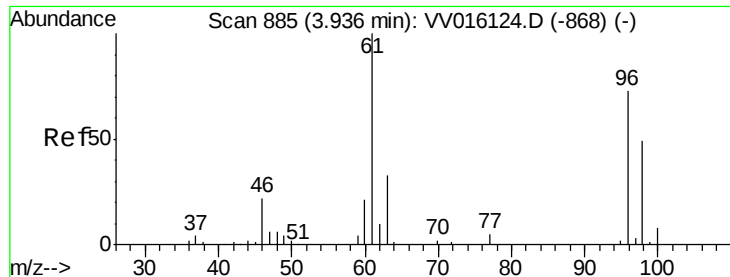
#21
 2-Butanone
 Concen: 37.413 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Tgt Ion: 43 Resp: 79387
 Ion Ratio Lower Upper
 43 100
 72 21.9 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



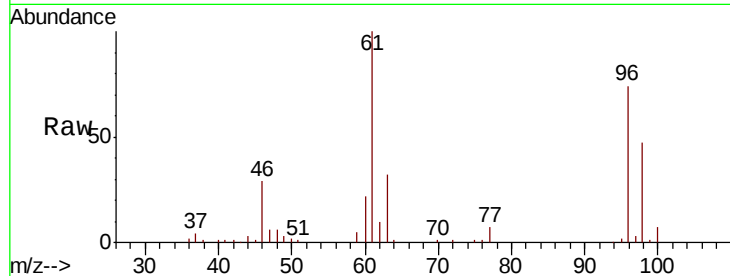


#22

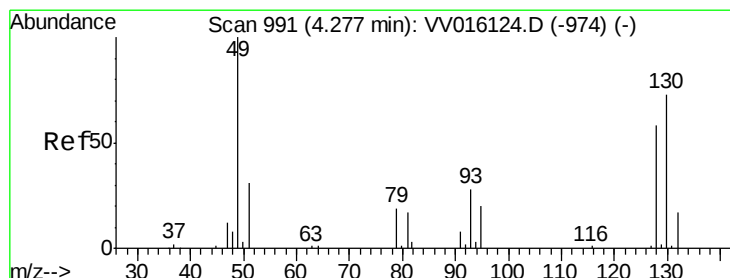
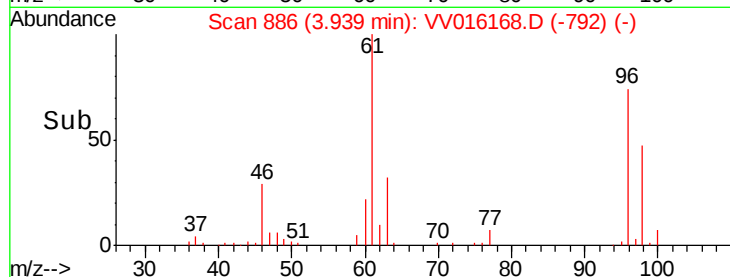
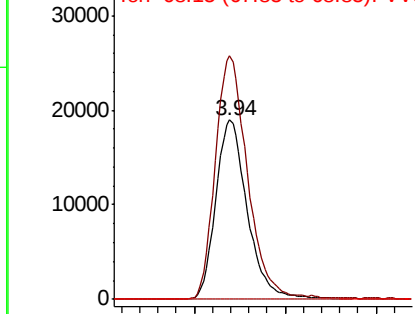
cis-1,2-Dichloroethene
Concen: 5.259 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 45698
Ion Ratio Lower Upper
96 100
61 135.8 97.2 180.6
68 0.0 0.0 0.0



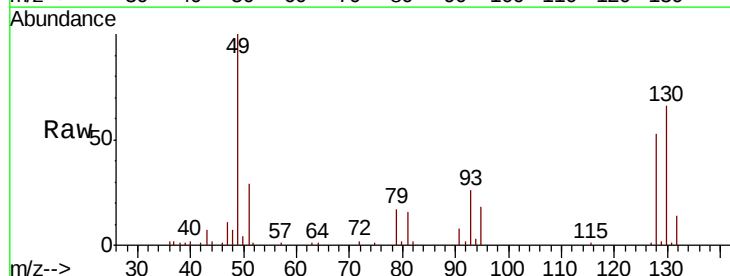
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



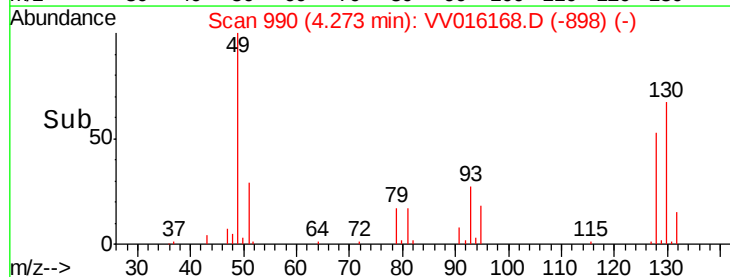
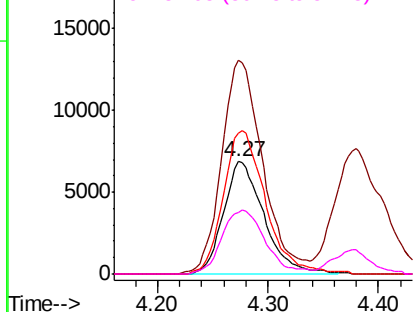
#23

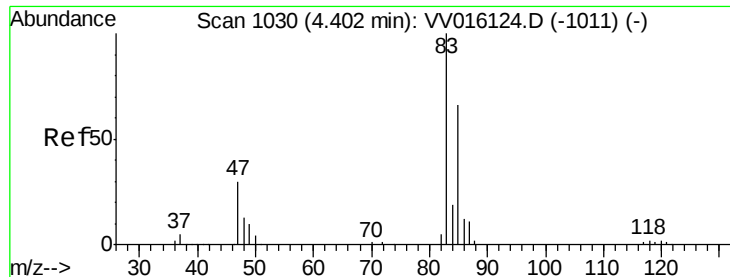
Bromochloromethane
Concen: 4.731 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Tgt Ion: 128 Resp: 17548
Ion Ratio Lower Upper
128 100
49 190.5 131.3 243.8
130 126.1 91.8 170.4
51 55.1 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

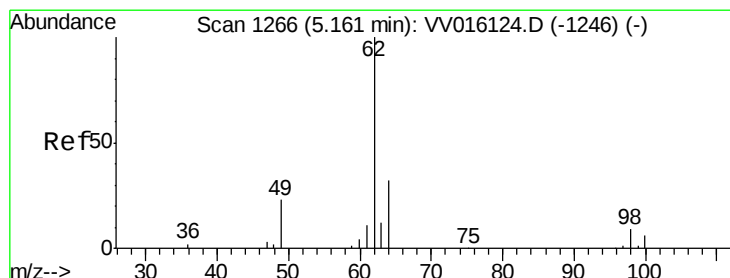
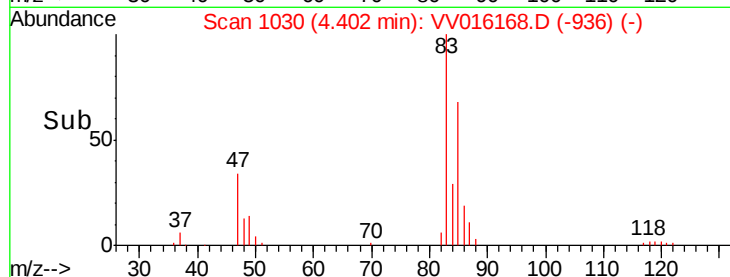
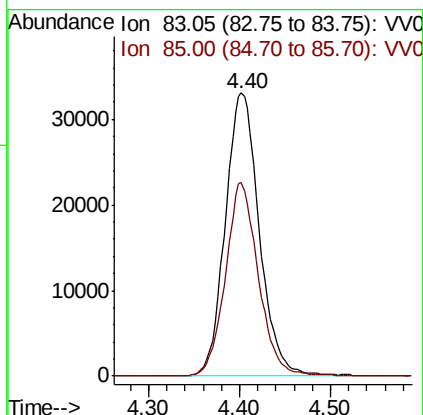
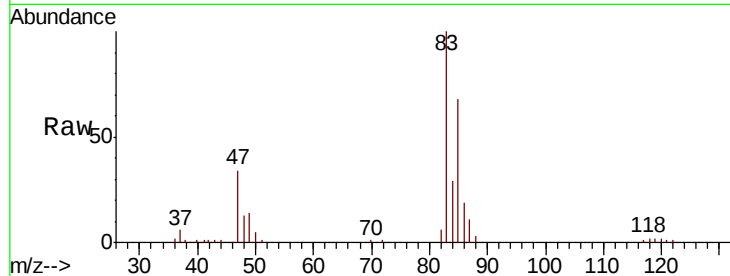




#25
Chloroform
Concen: 4.881 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

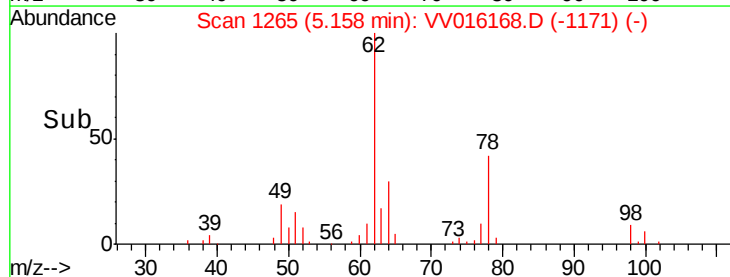
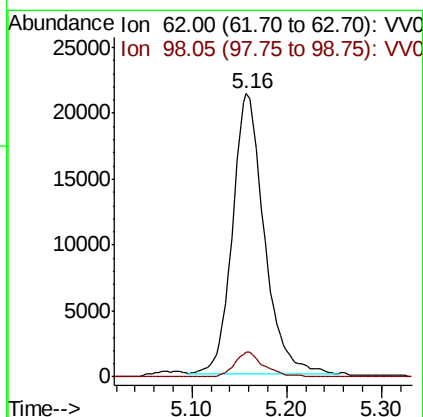
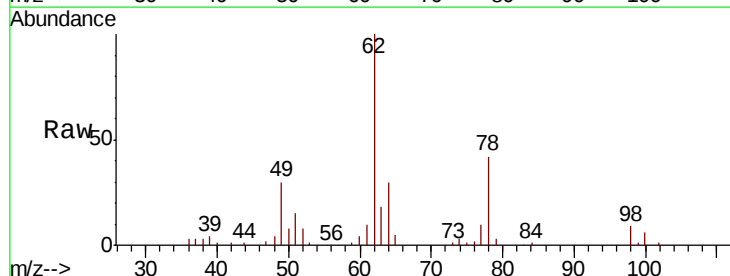
Instrument :
MSVOA_V
ClientSampleId :

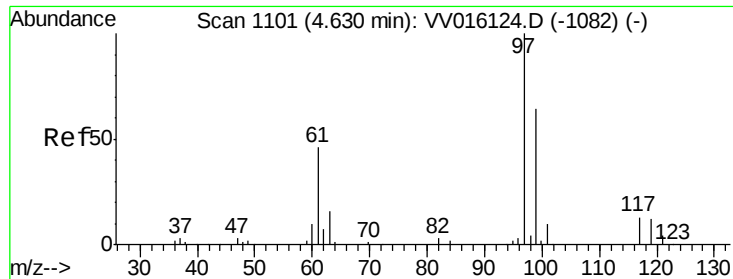
Tot Ion: 83 Resp: 85943
Ion Ratio Lower Upper
83 100
85 68.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.540 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Tgt Ion: 62 Resp: 49121
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1

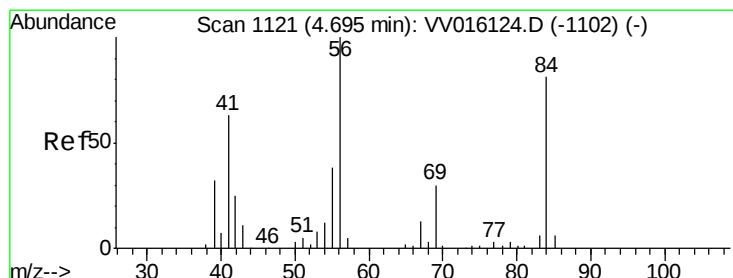
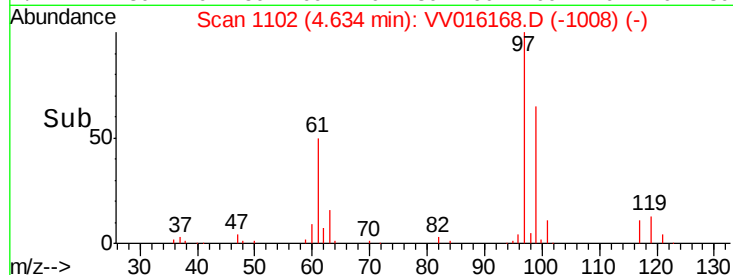
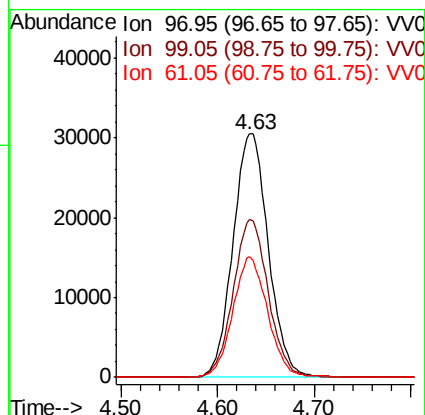
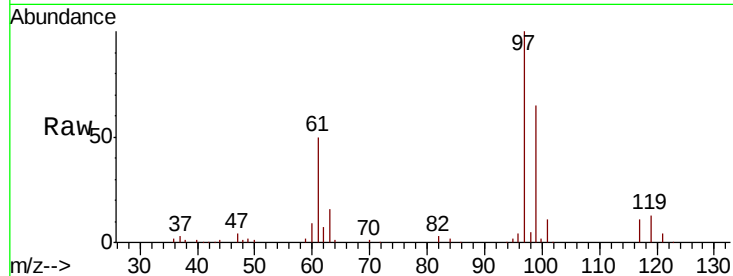




#29
 1,1,1-Trichloroethane
 Concen: 5.361 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

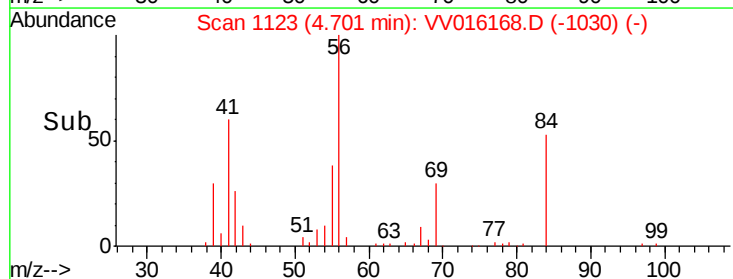
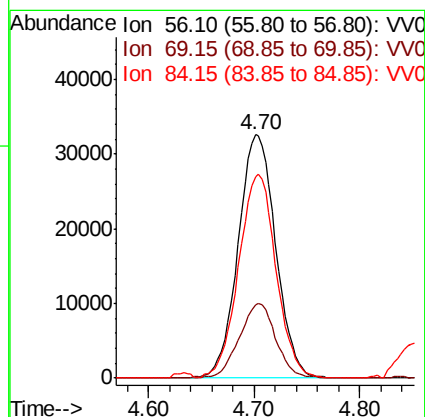
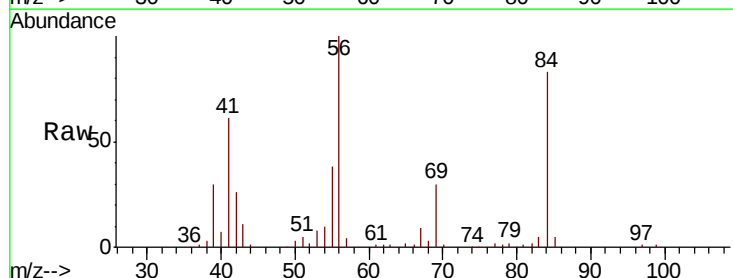
Instrument :
 MSVOA_V
 ClientSampleId :

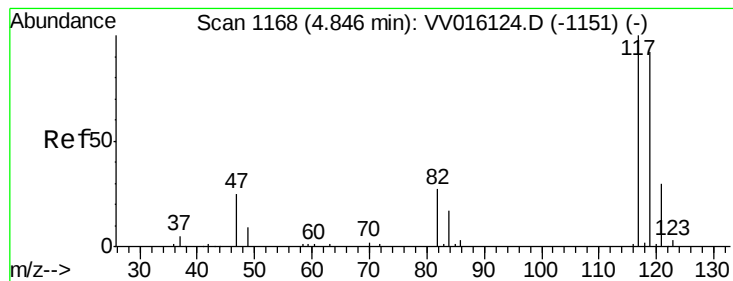
Tot Ion: 97 Resp: 77414
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.7 76.1
 61 48.8 38.8 58.2



#30
 Cyclohexane
 Concen: 5.564 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Tgt Ion: 56 Resp: 80523
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.2 36.2
 84 83.5 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.363 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

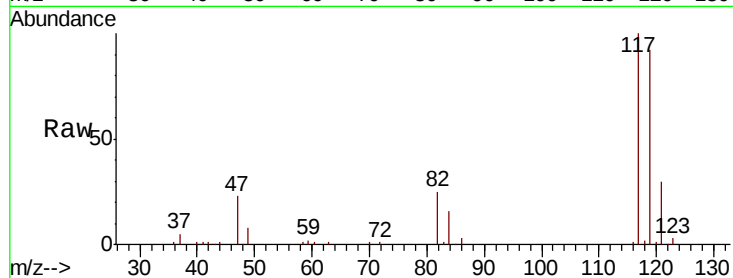
ClientSampleId :

Tot Ion:117 Resp: 66835

Ion Ratio Lower Upper

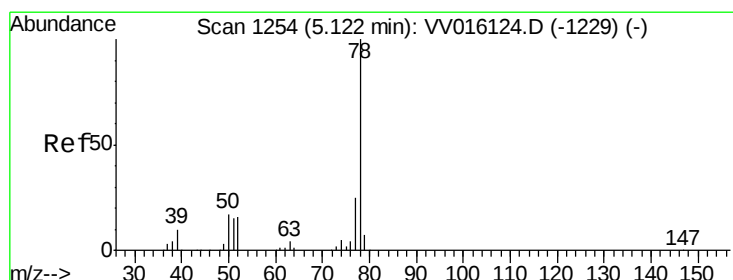
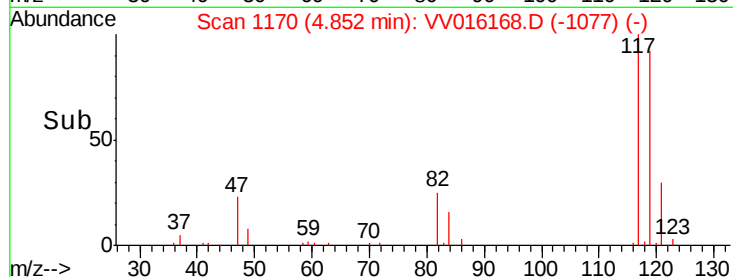
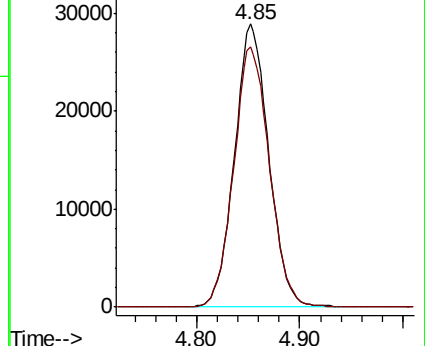
117 100

119 95.4 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.611 ug/L

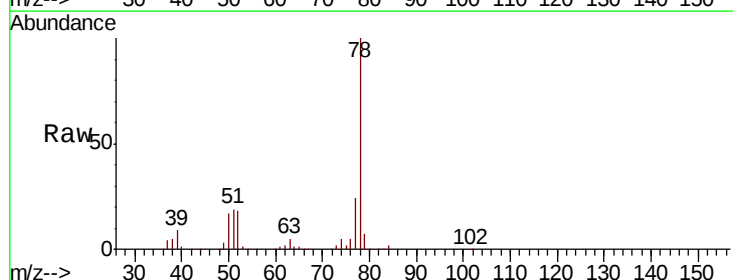
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

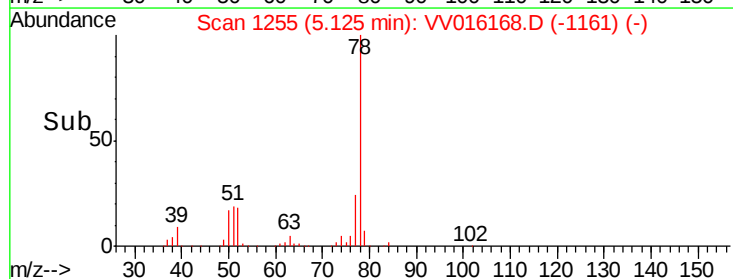
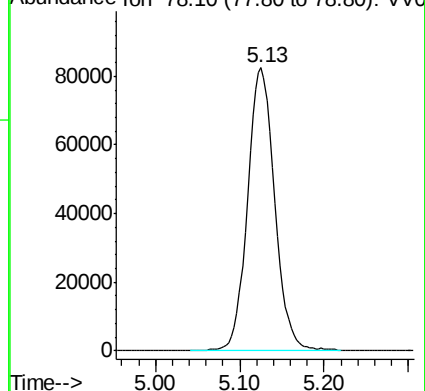
Lab File: VV016168.D

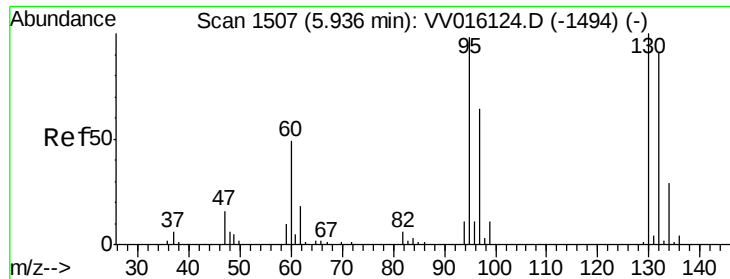
Acq: 22 May 2020 13:04

Tgt Ion: 78 Resp: 184863



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.045 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 47439

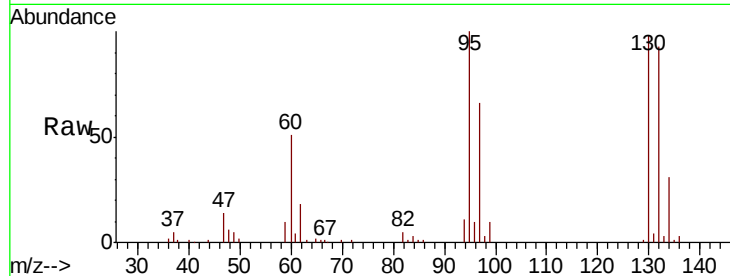
Ion Ratio Lower Upper

95 100

97 65.9 43.3 80.5

132 93.0 60.3 112.1

130 97.5 66.0 122.6

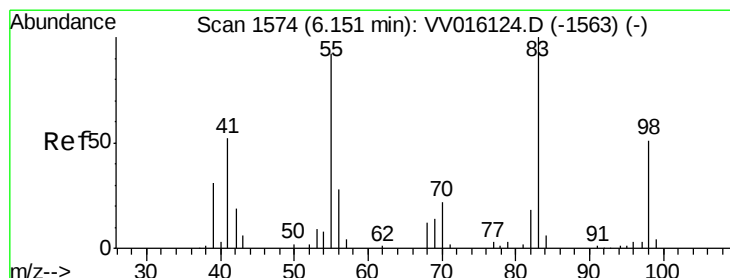
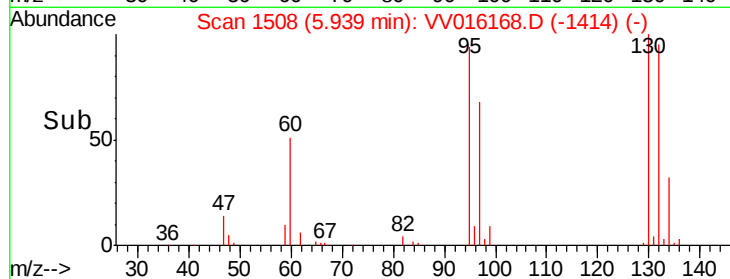
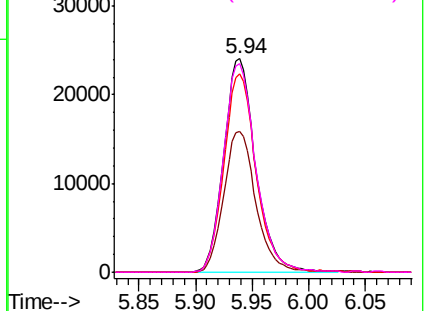


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.792 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

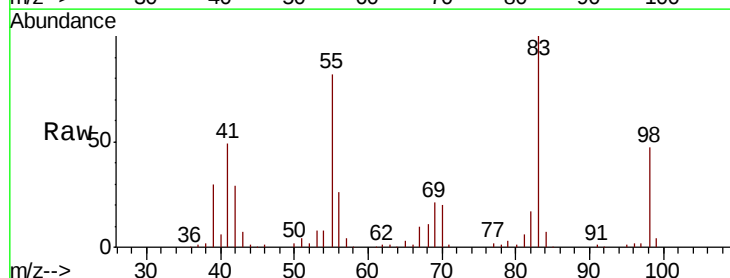
Tgt Ion: 83 Resp: 82391

Ion Ratio Lower Upper

83 100

55 81.6 66.2 99.2

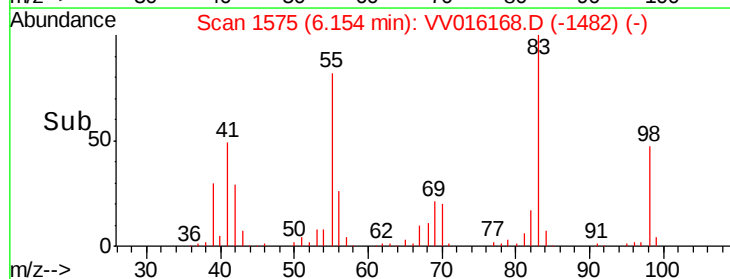
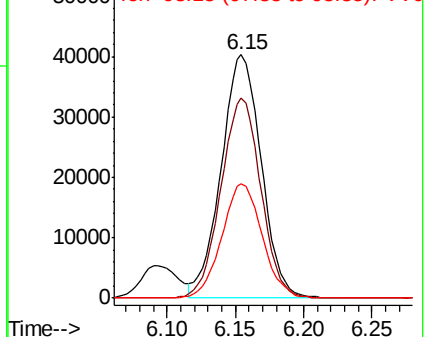
98 47.4 37.9 56.9

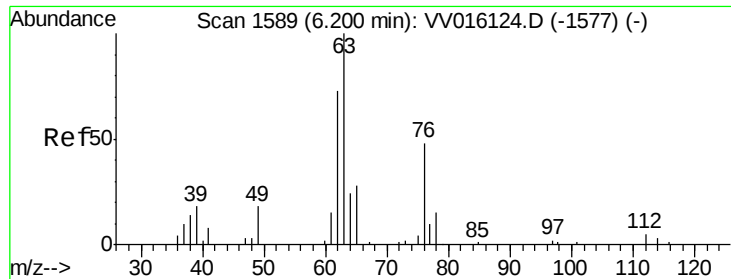


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

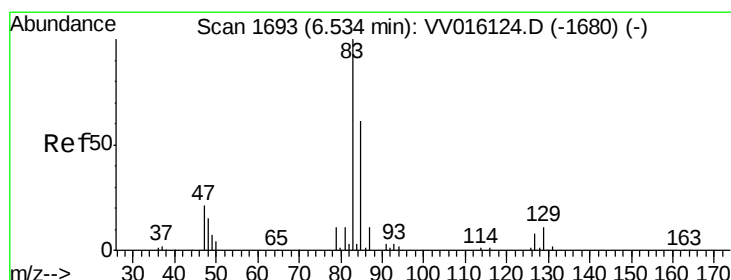
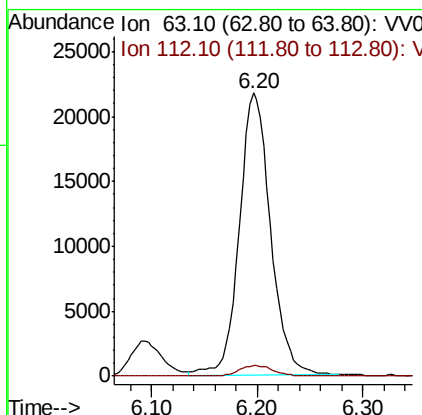
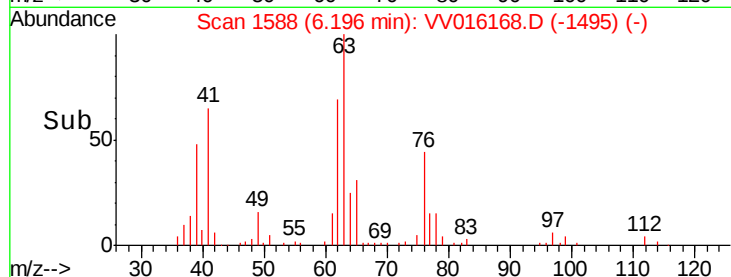
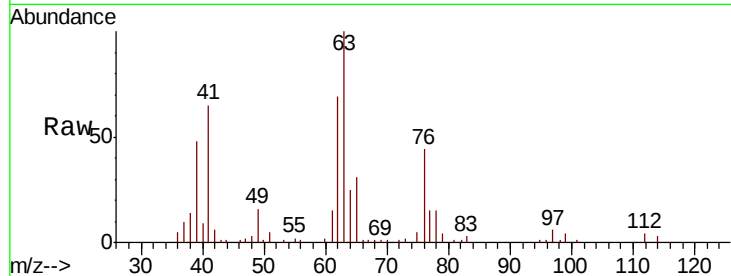




#37
 1,2-Dichloropropane
 Concen: 5.336 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

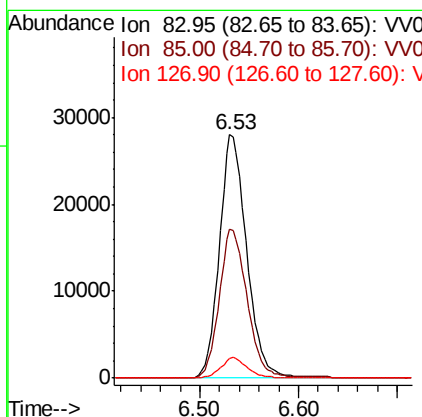
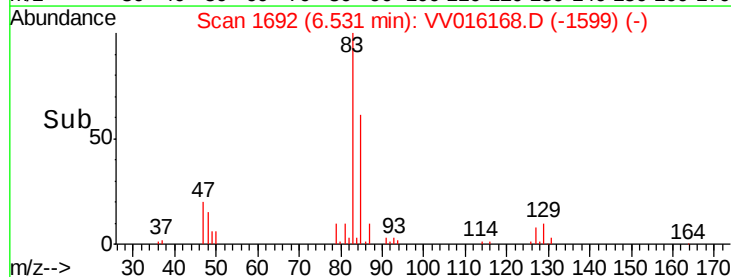
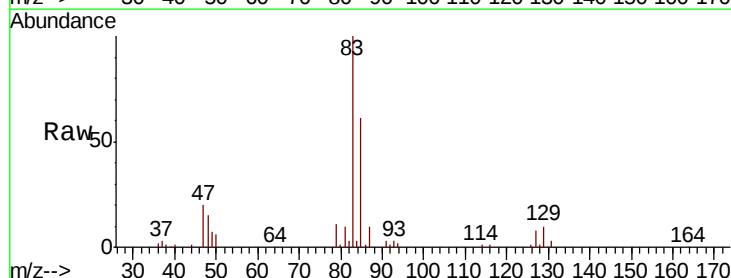
Instrument :
 MSVOA_V
 ClientSampleId :

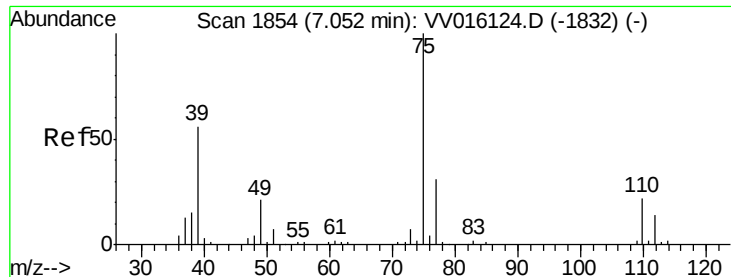
Tot Ion: 63 Resp: 44667
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.123 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Tgt Ion: 83 Resp: 54453
 Ion Ratio Lower Upper
 83 100
 85 61.4 45.5 84.5
 127 8.1 6.2 9.4

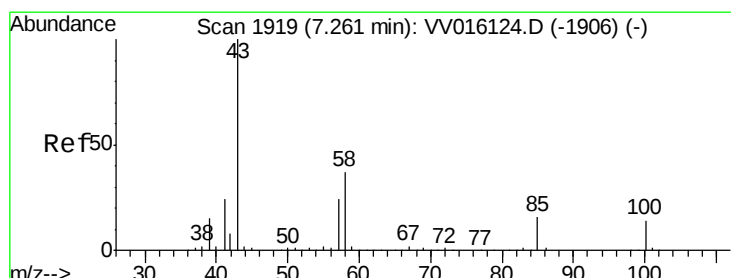
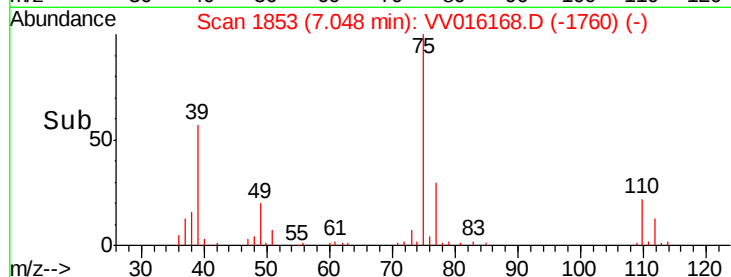
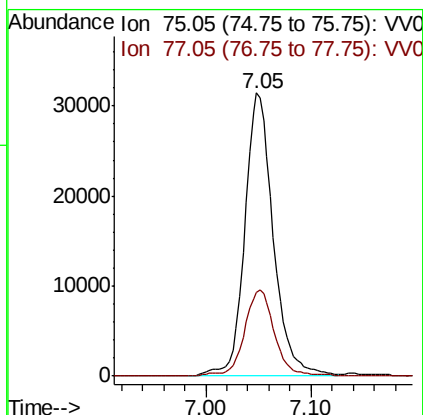
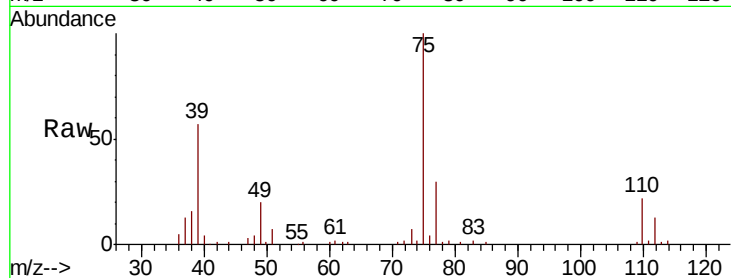




#39
 cis-1,3-Dichloropropene
 Concen: 5.018 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

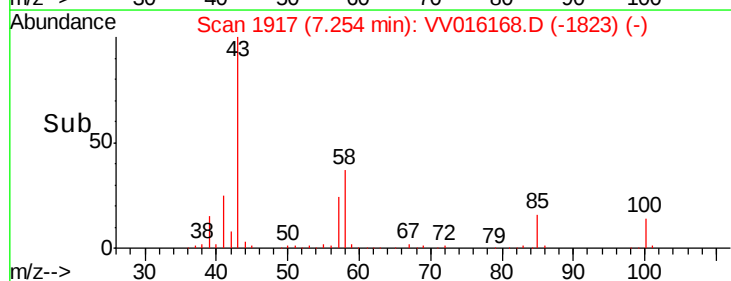
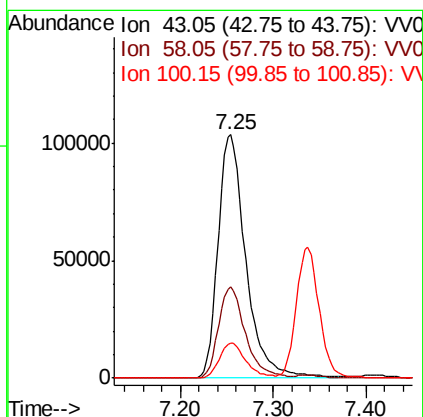
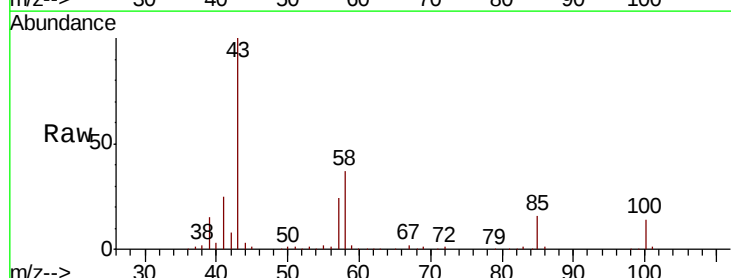
Instrument :
 MSVOA_V
 ClientSampleId :

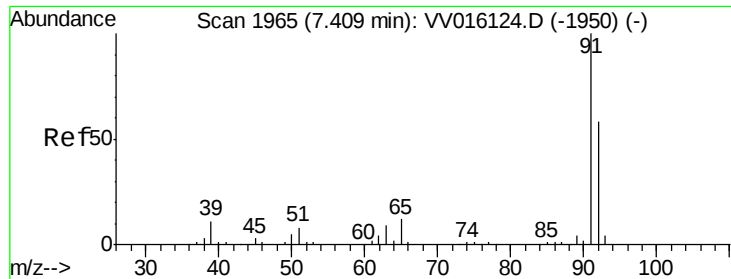
Tot Ion: 75 Resp: 59362
 Ion Ratio Lower Upper
 75 100
 77 29.5 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 41.409 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Tgt Ion: 43 Resp: 216038
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.0 43.4
 100 13.7 10.9 16.3





#42

Toluene

Concen: 5.760 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

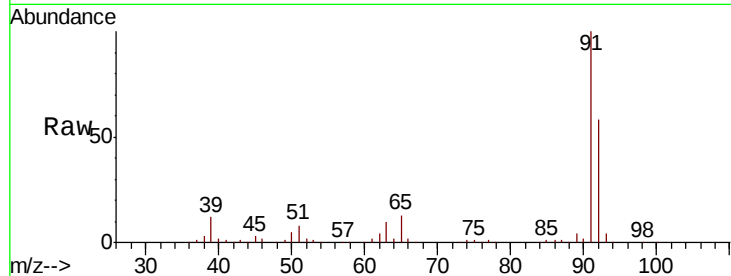
ClientSampled :

Tot Ion: 91 Resp: 201142

Ion Ratio Lower Upper

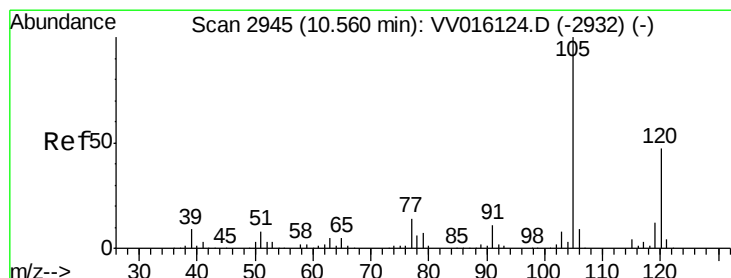
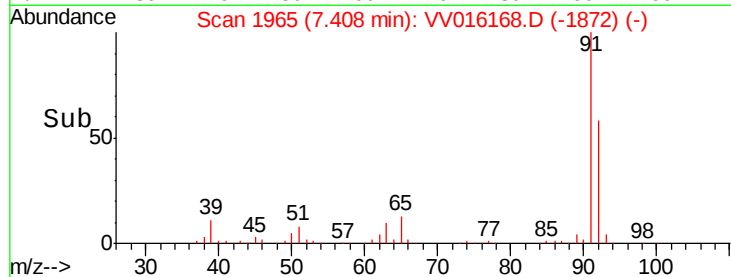
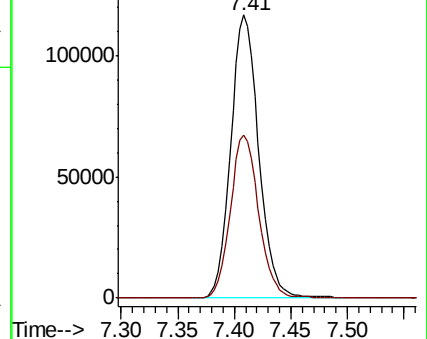
91 100

92 57.8 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#43

1,3,5-Trimethylbenzene

Concen: 5.771 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016168.D

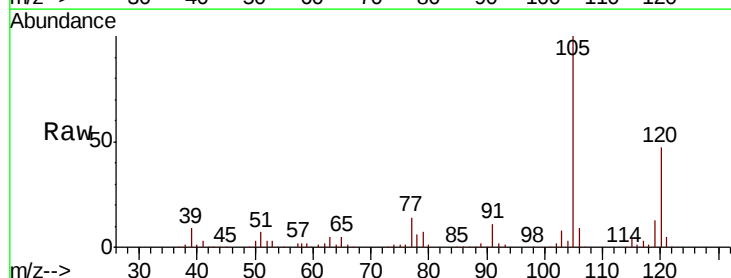
Acq: 22 May 2020 13:04

Tgt Ion:105 Resp: 185024

Ion Ratio Lower Upper

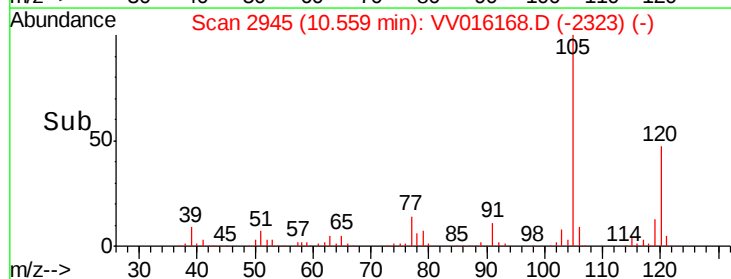
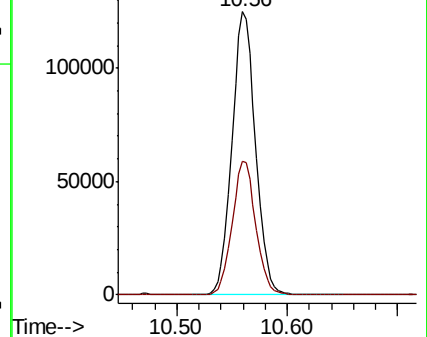
105 100

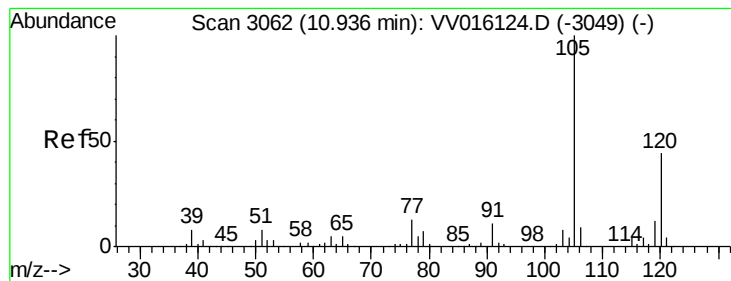
120 47.4 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#44

1,2,4-Trimethylbenzene

Concen: 5.827 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

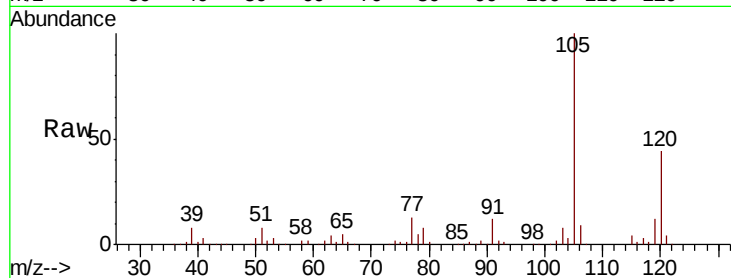
ClientSampleId :

Tot Ion:105 Resp: 186689

Ion Ratio Lower Upper

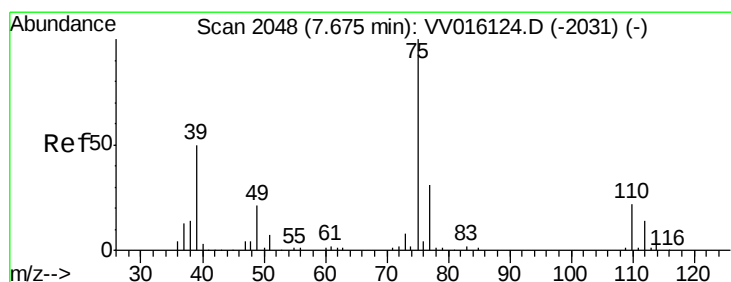
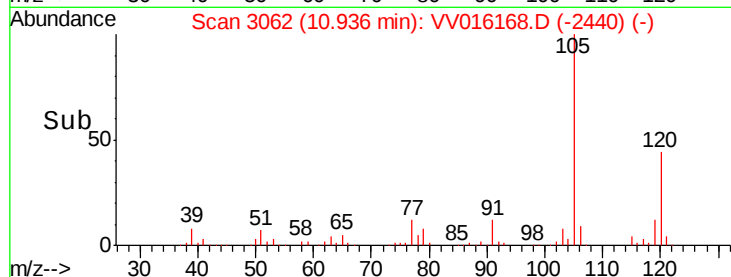
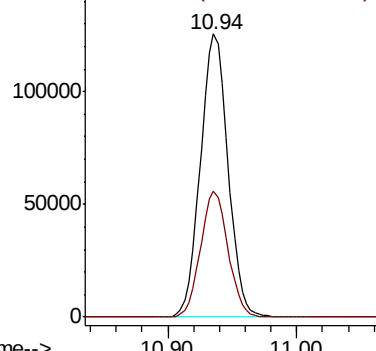
105 100

120 44.2 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 4.854 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016168.D

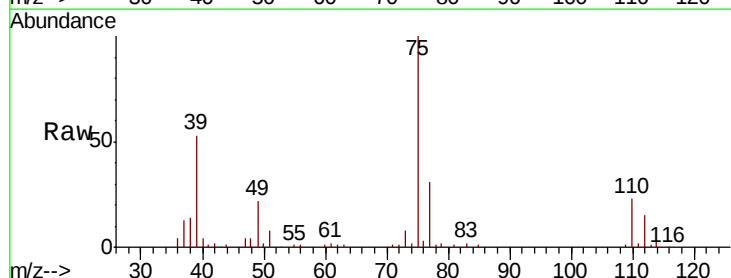
Acq: 22 May 2020 13:04

Tgt Ion: 75 Resp: 48508

Ion Ratio Lower Upper

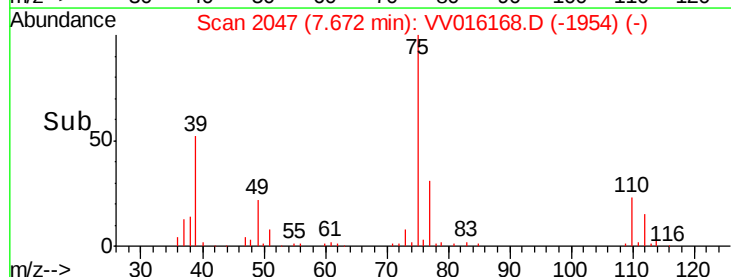
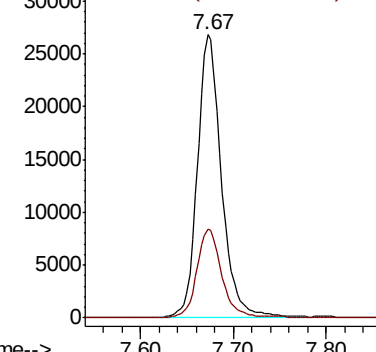
75 100

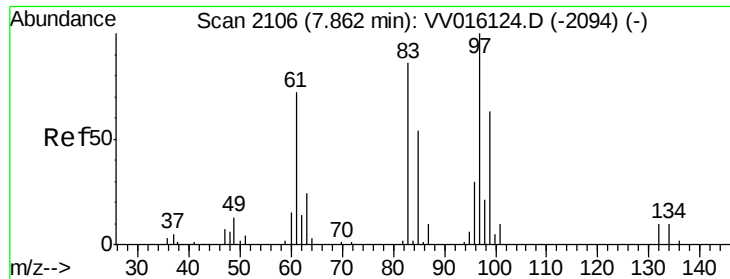
77 31.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

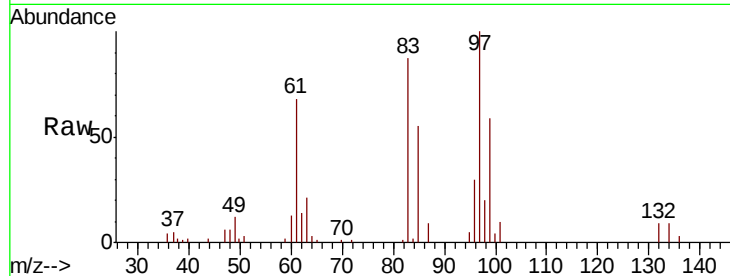




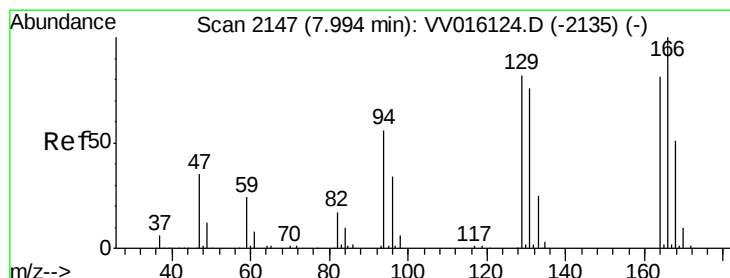
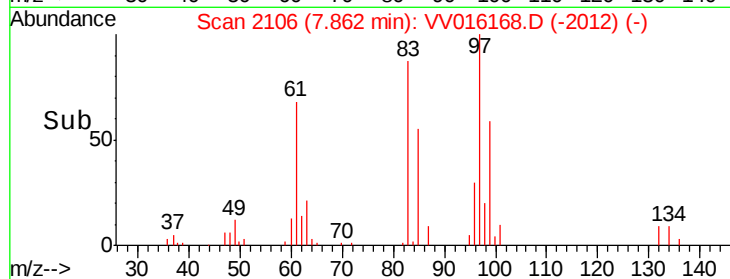
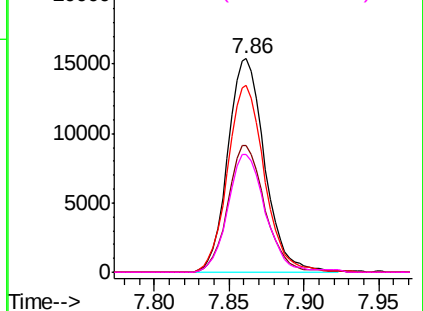
#47
 1,1,2-Trichloroethane
 Concen: 4.722 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	26397
Ion	Ratio	Lower	Upper
97	100		
99	59.3	42.1	78.1
83	87.4	59.2	110.0
85	55.3	38.6	71.8

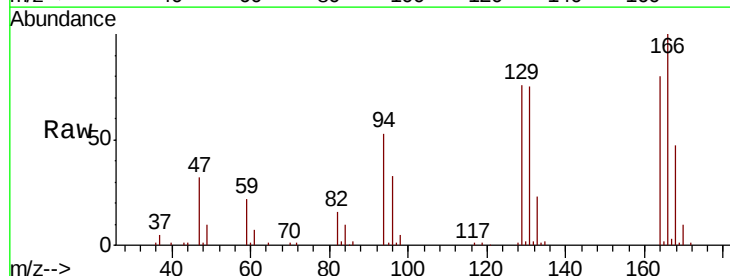


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

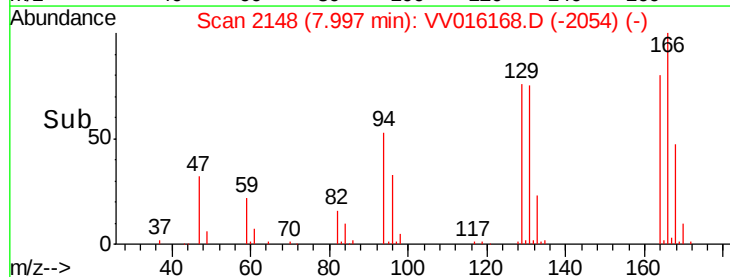
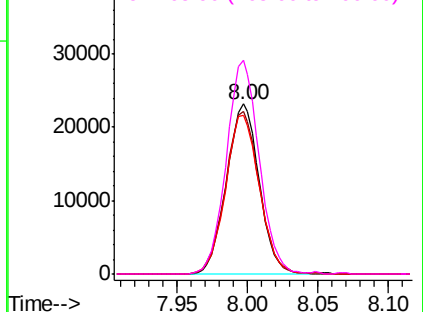


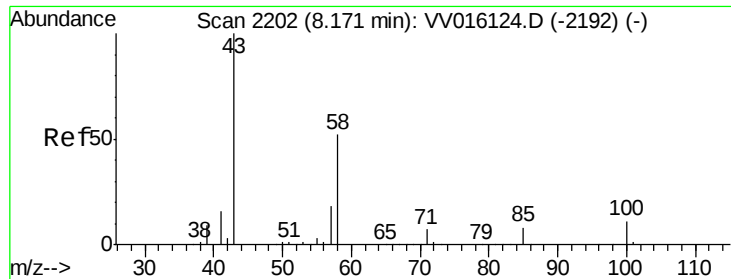
#49
 Tetrachloroethene
 Concen: 5.743 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Tgt Ion:	164	Resp:	37685
Ion	Ratio	Lower	Upper
164	100		
129	95.7	69.7	129.4
131	93.6	66.8	124.2
166	125.5	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

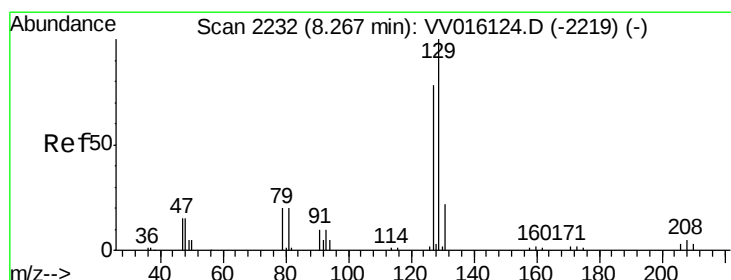
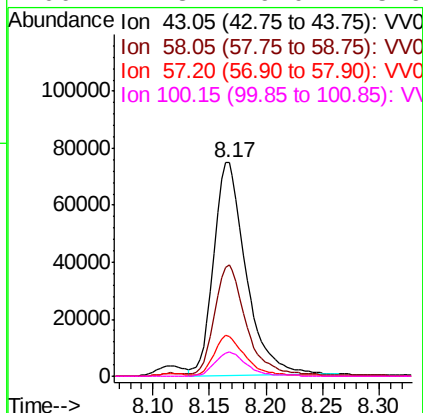
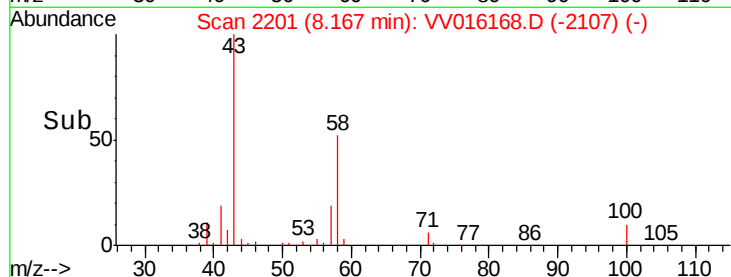
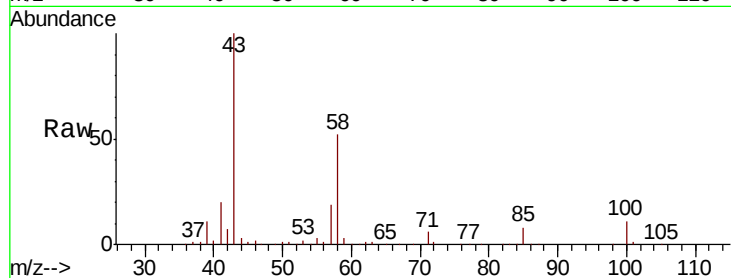




#50
2-Hexanone
Concen: 40.223 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

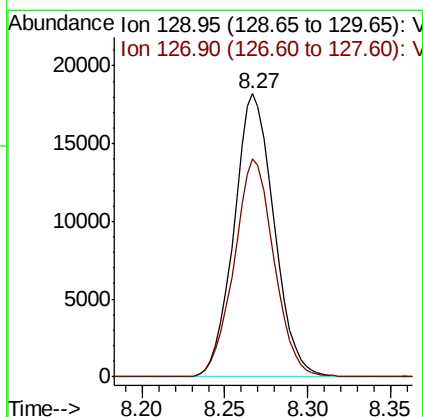
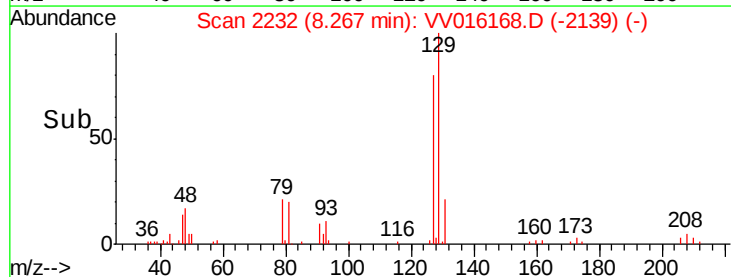
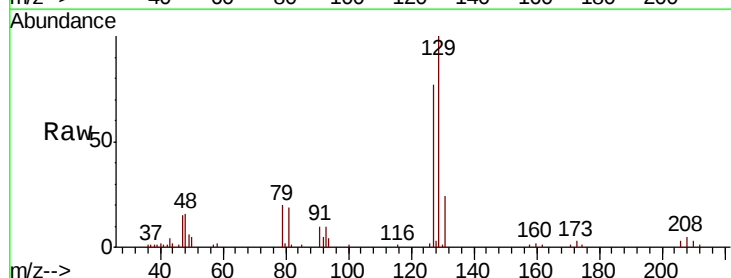
Instrument :
MSVOA_V
ClientSampleId :

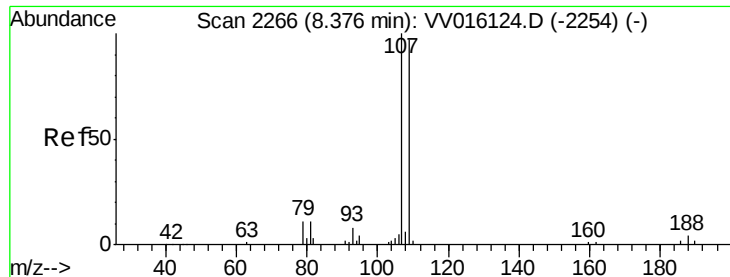
Tot Ion: 43 Resp: 148403
Ion Ratio Lower Upper
43 100
58 51.6 40.8 61.2
57 19.1 14.7 22.1
100 11.3 9.0 13.6



#51
Dibromochloromethane
Concen: 4.855 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Tgt Ion: 129 Resp: 30491
Ion Ratio Lower Upper
129 100
127 77.2 56.0 104.0





#52

1,2-Dibromoethane

Concen: 4.736 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

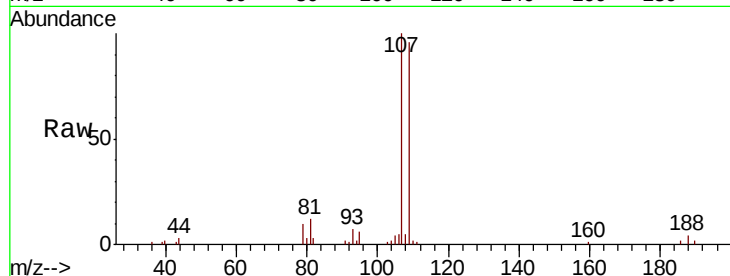
Tot Ion:107 Resp: 24550

Ion Ratio Lower Upper

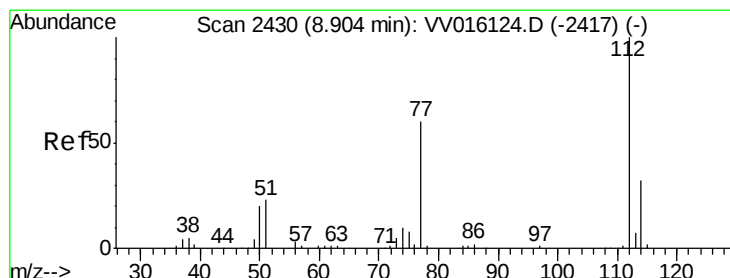
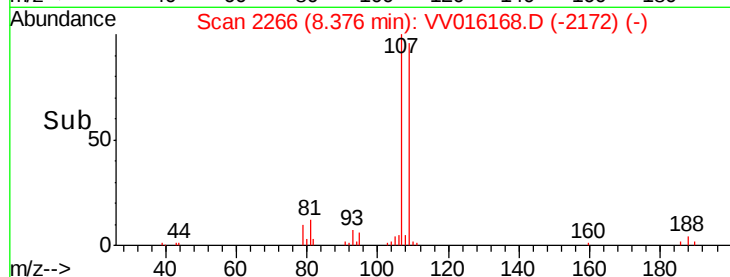
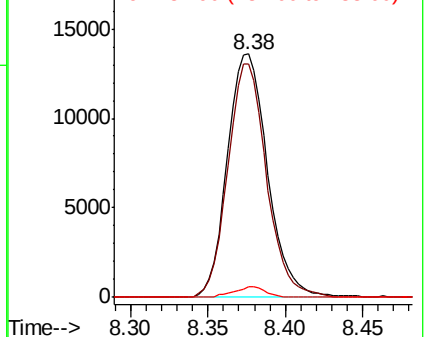
107 100

109 96.0 68.9 127.9

188 4.3 2.7 4.1#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.483 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

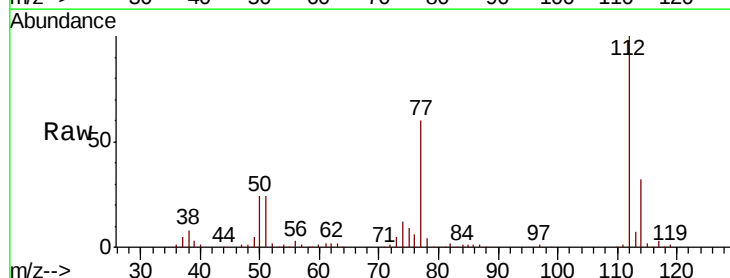
Tgt Ion:112 Resp: 123142

Ion Ratio Lower Upper

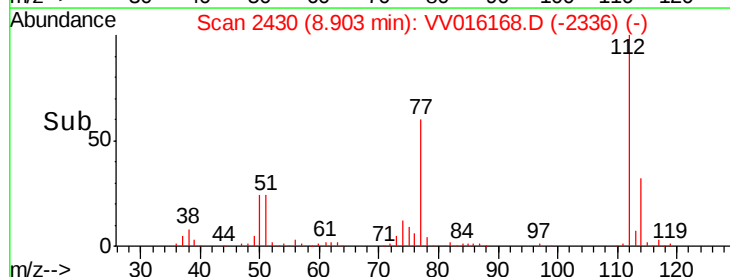
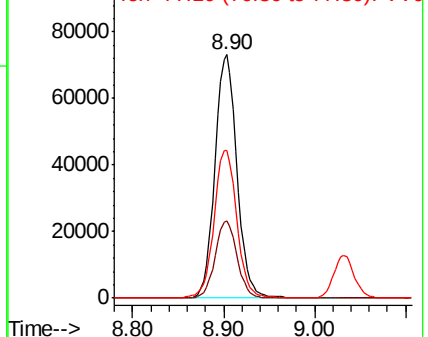
112 100

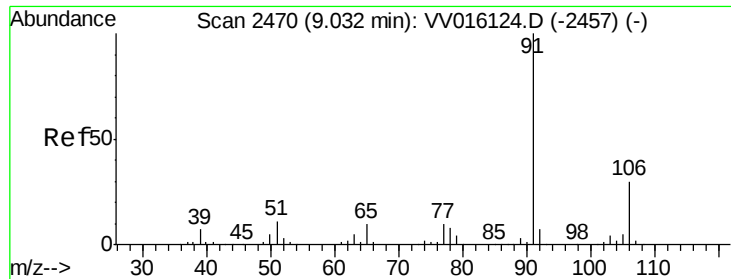
114 31.7 21.6 40.0

77 60.4 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.720 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

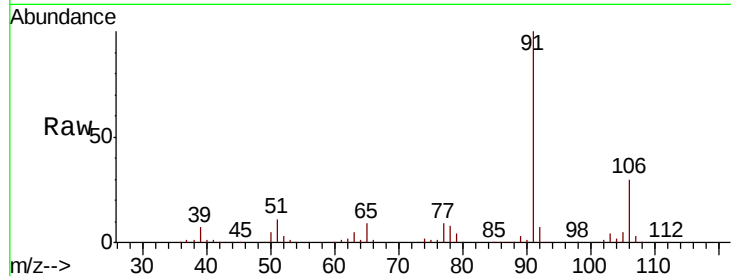
ClientSampleId :

Tot Ion: 91 Resp: 227134

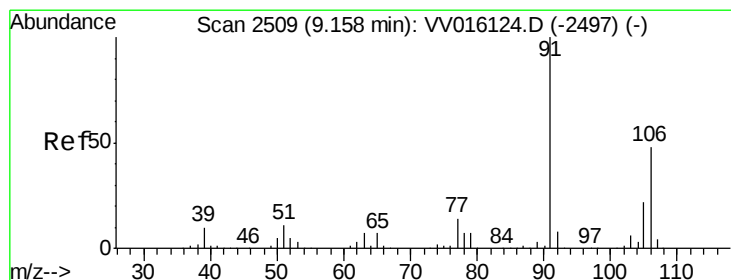
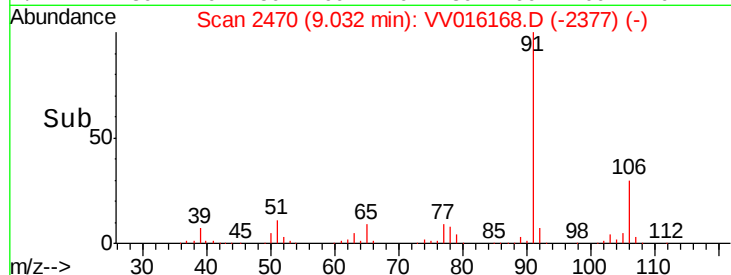
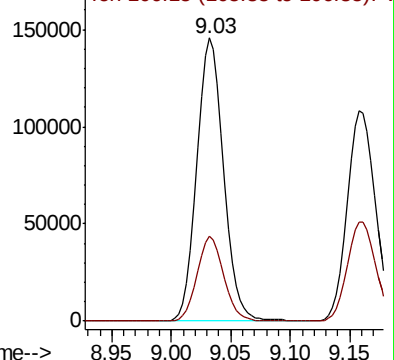
Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV016168.D (-2377) (-)



#55

m,p-xylene

Concen: 5.838 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016168.D

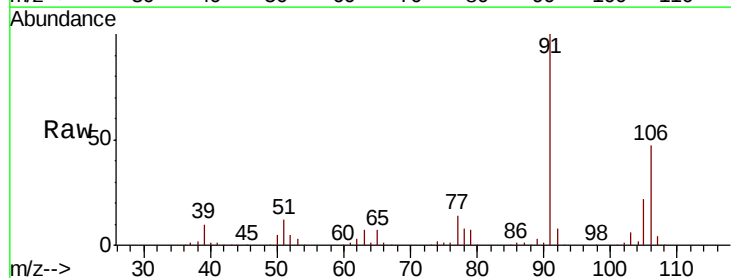
Acq: 22 May 2020 13:04

Tgt Ion: 106 Resp: 85843

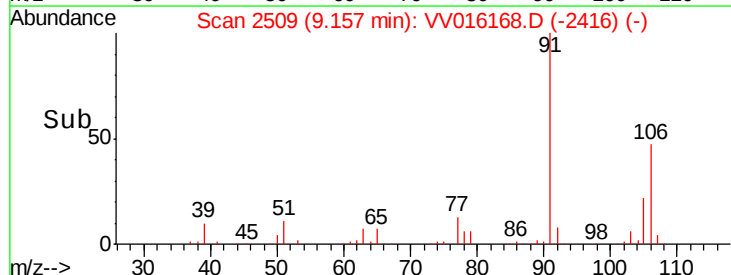
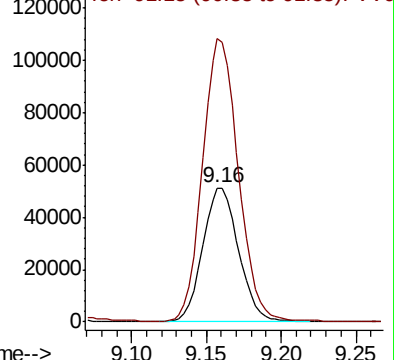
Ion Ratio Lower Upper

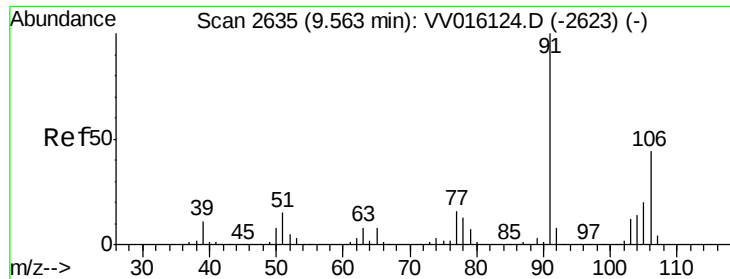
106 100

91 211.5 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV016168.D (-2416) (-)

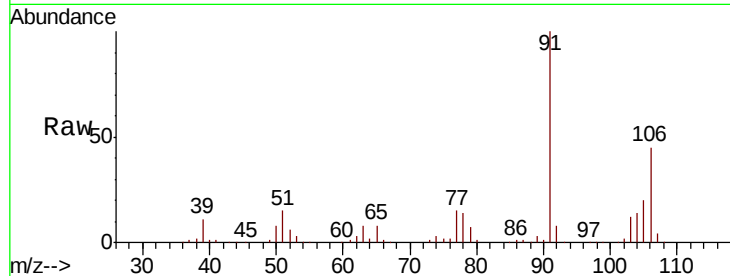




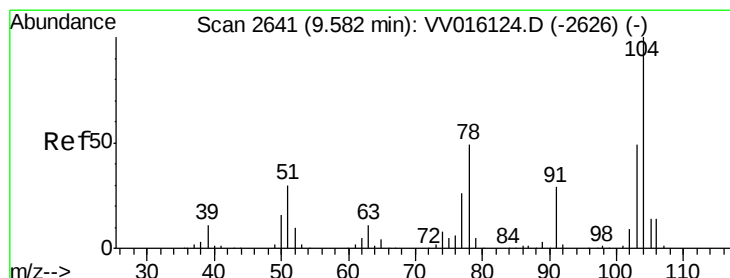
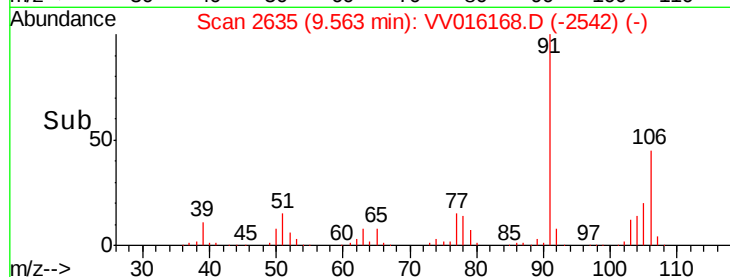
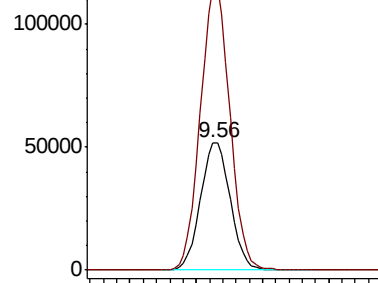
#56
o-xylene
Concen: 5.771 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 81123
Ion Ratio Lower Upper
106 100
91 221.9 159.7 296.5

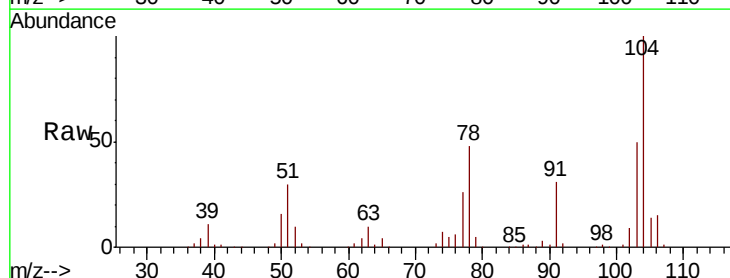


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

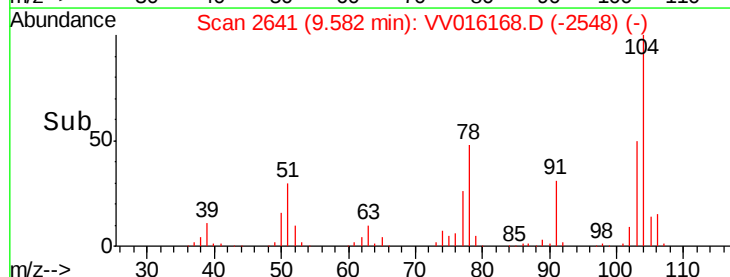
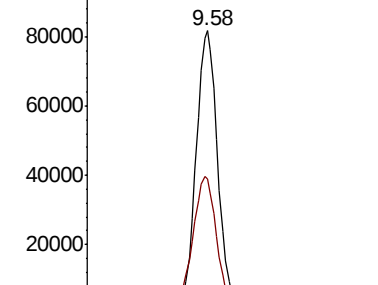


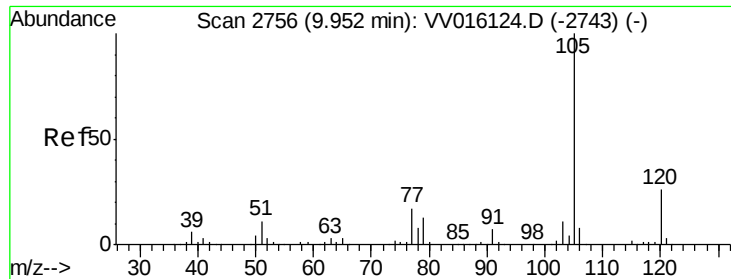
#57
Styrene
Concen: 5.696 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016168.D
Acq: 22 May 2020 13:04

Tgt Ion:104 Resp: 133923
Ion Ratio Lower Upper
104 100
78 47.6 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.766 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

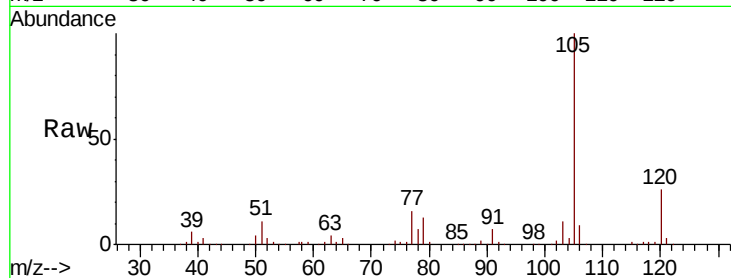
Tot Ion:105 Resp: 222706

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

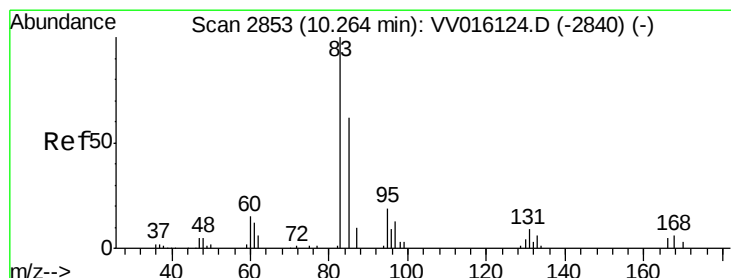
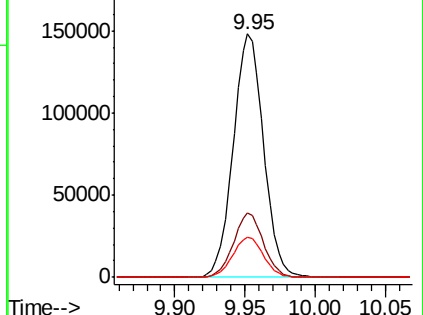
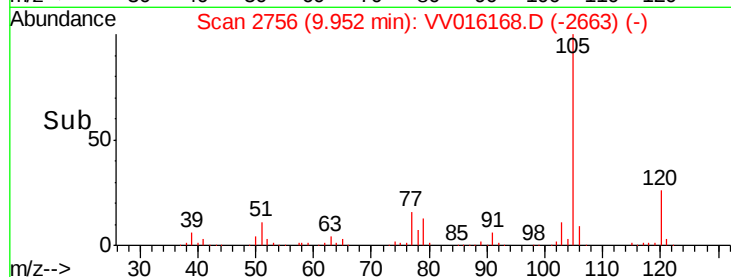
77 16.6 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.039 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

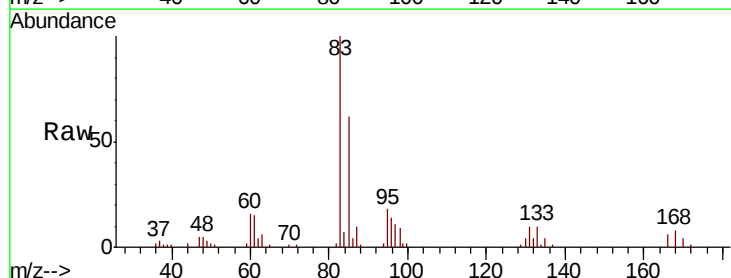
Tgt Ion: 83 Resp: 30101

Ion Ratio Lower Upper

83 100

85 61.9 44.0 81.6

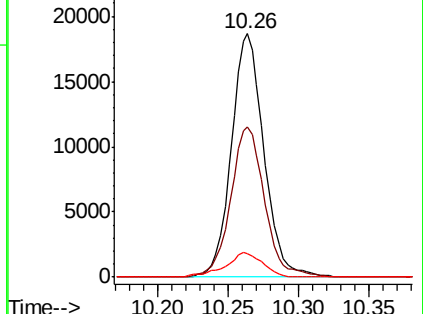
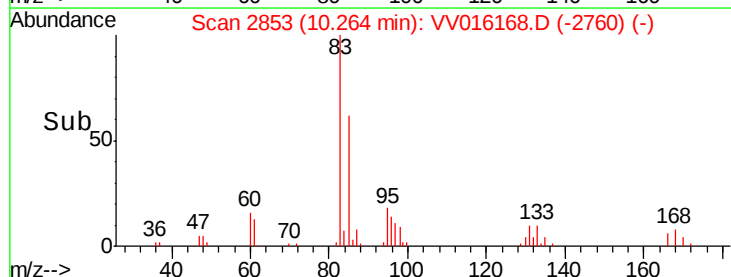
131 9.8 7.7 11.5

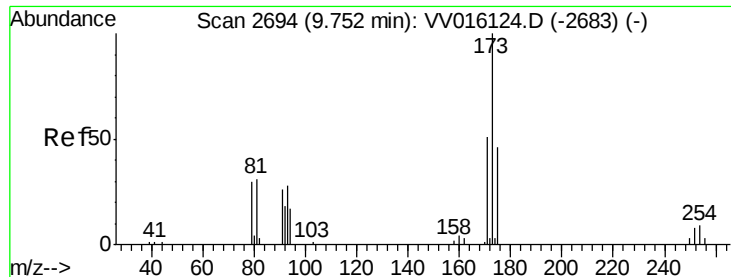


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.350 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :
MSVOA_V
ClientSampled :

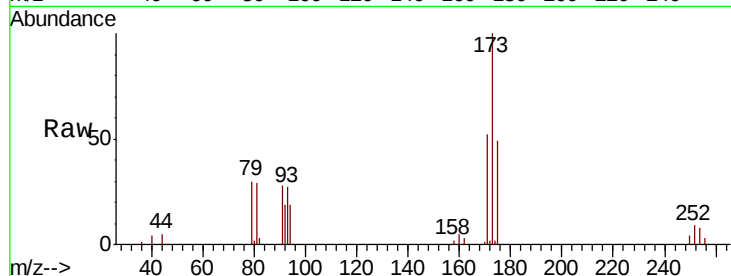
Tot Ion:173 Resp: 13250

Ion Ratio Lower Upper

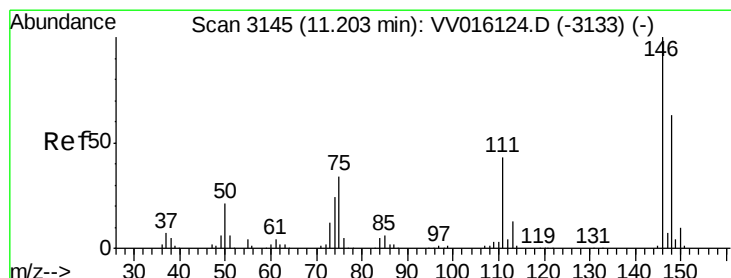
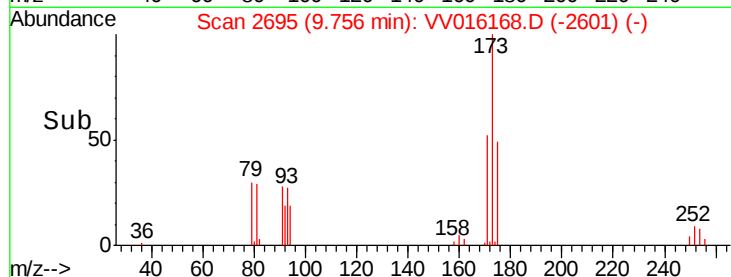
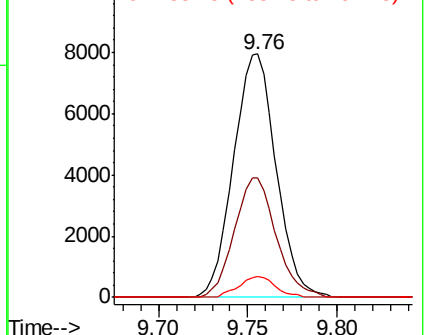
173 100

175 48.1 39.8 59.8

254 7.4 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.475 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

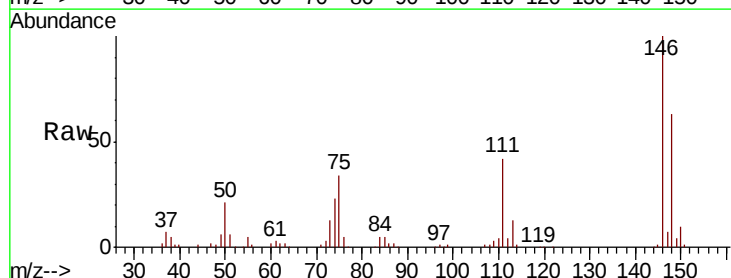
Tgt Ion:146 Resp: 97802

Ion Ratio Lower Upper

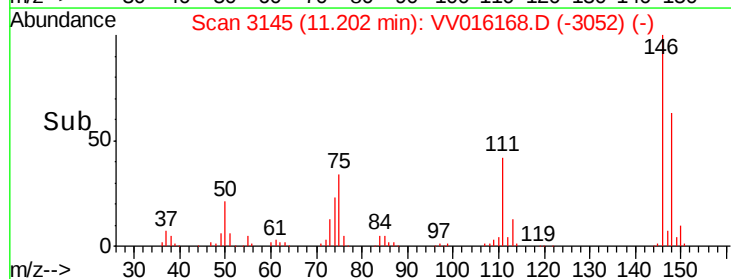
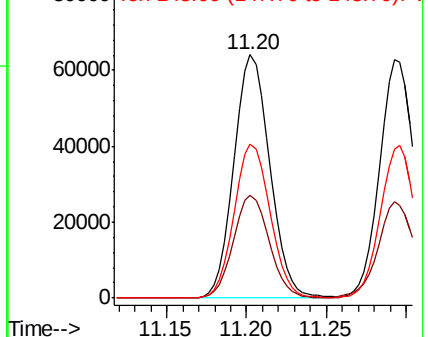
146 100

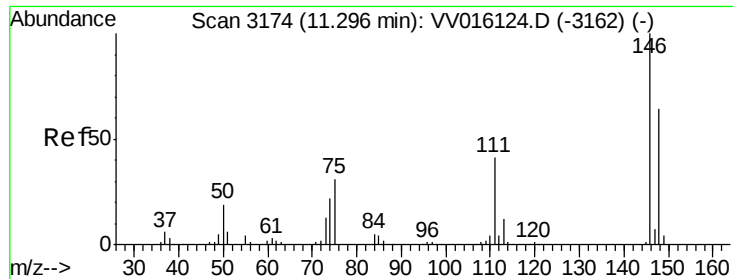
111 42.3 28.7 53.3

148 63.5 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.407 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

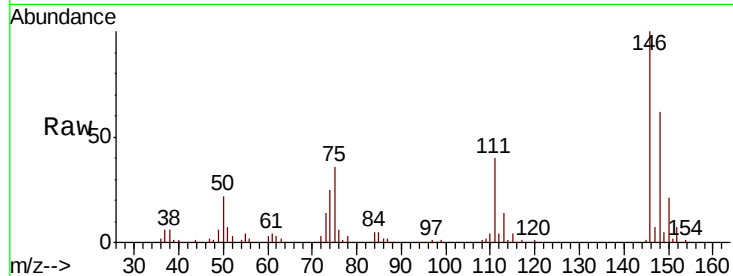
Tot Ion:146 Resp: 97034

Ion Ratio Lower Upper

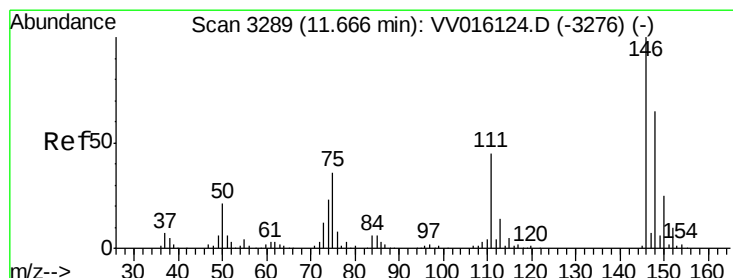
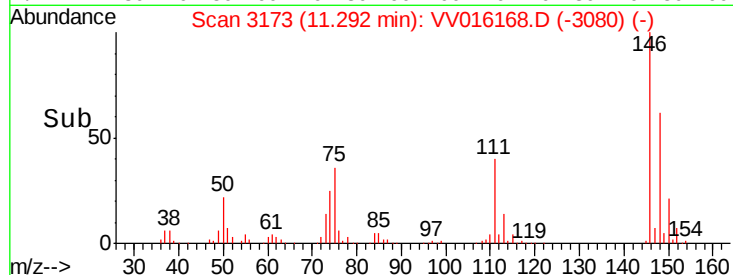
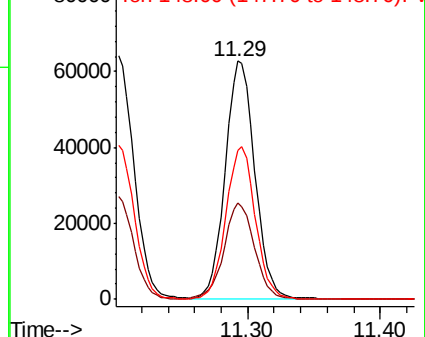
146 100

111 40.3 28.9 53.7

148 62.3 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.154 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

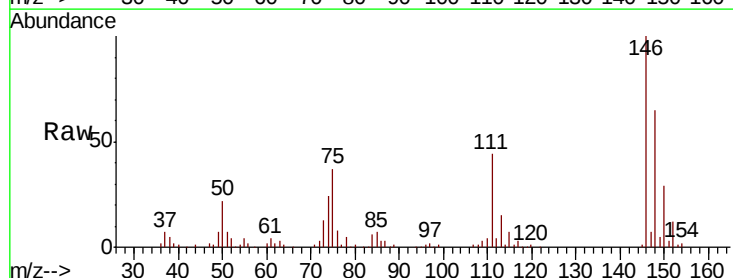
Tgt Ion:146 Resp: 83333

Ion Ratio Lower Upper

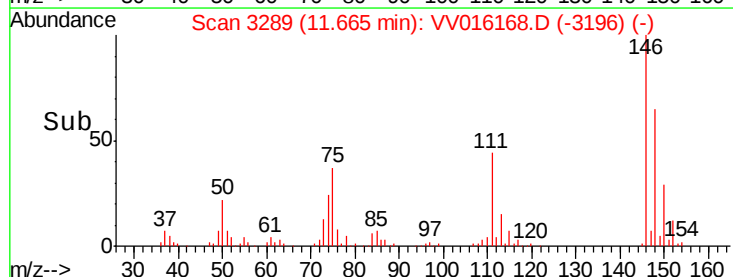
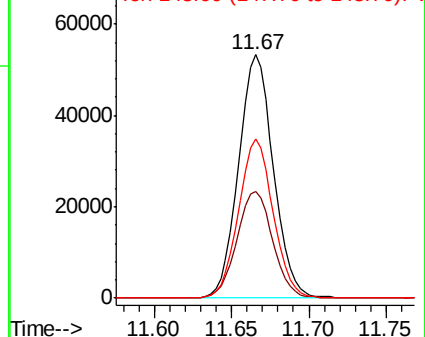
146 100

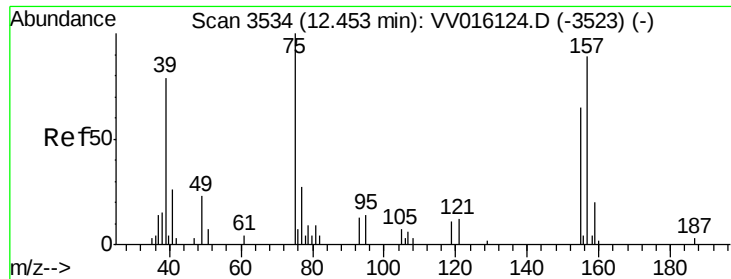
111 44.0 37.0 55.4

148 65.4 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 4.595 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

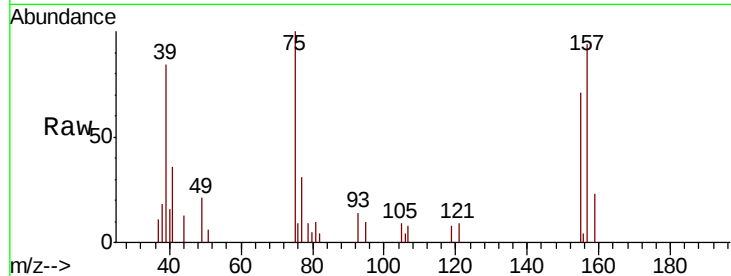
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 4849

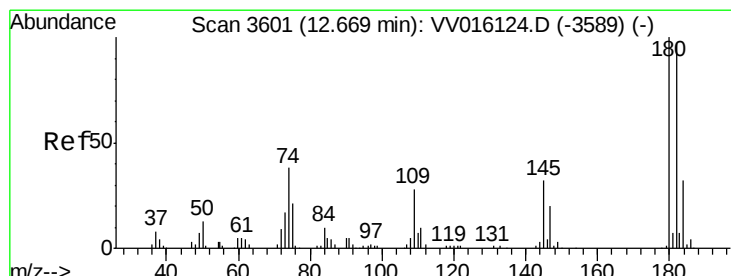
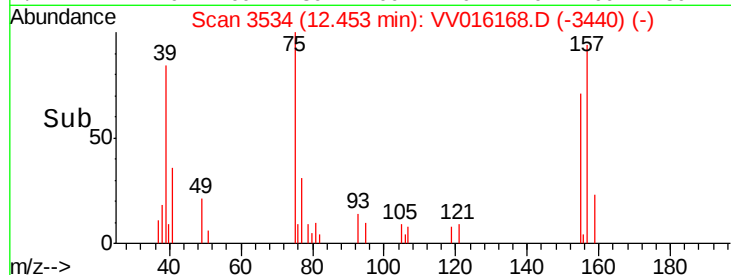
Ion	Ratio	Lower	Upper
75	100		
155	70.7	58.2	87.4
157	93.5	79.4	119.2



Abundance Ion 75.05 (74.75 to 75.75): VV016168.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV016168.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV016168.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.459 ug/L

RT: 12.67 min Scan# 3601

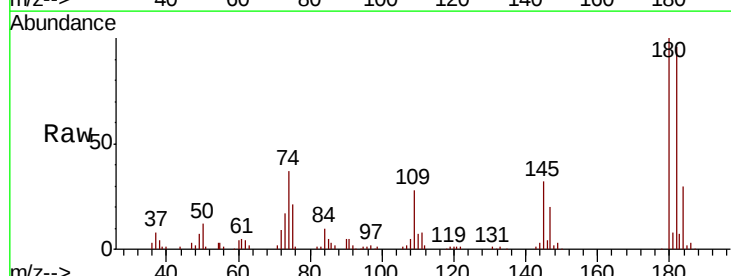
Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Tgt Ion: 180 Resp: 71291

Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
184	29.9	24.6	36.8
145	31.7	26.0	39.0

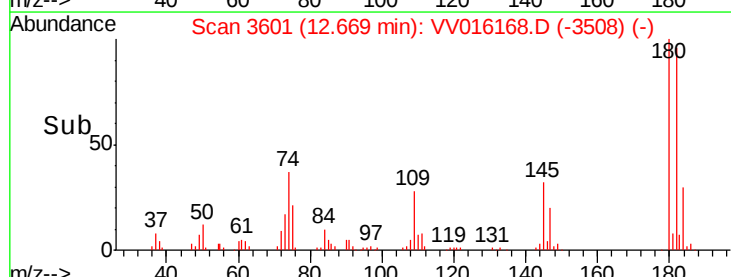


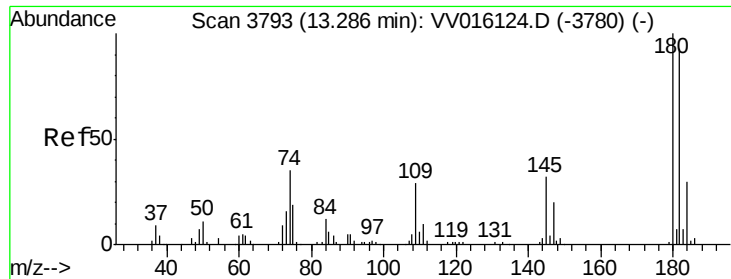
Abundance Ion 180.00 (179.70 to 180.70): VV016168.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV016168.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV016168.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV016168.D (-3508) (-)

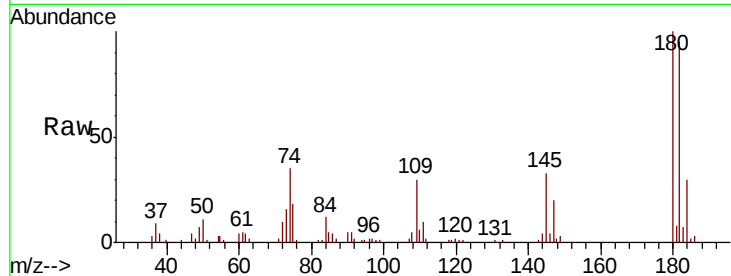




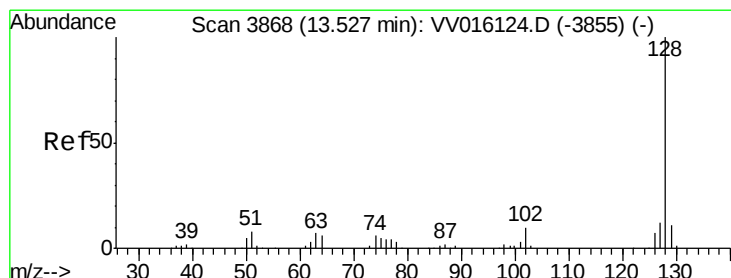
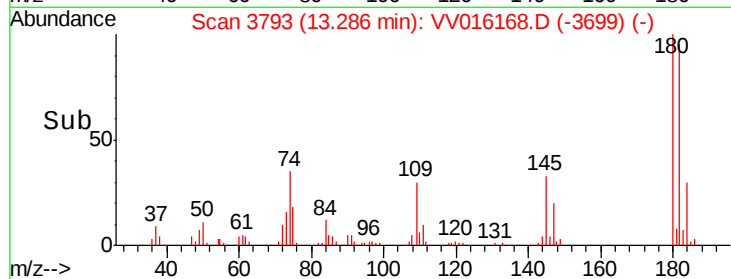
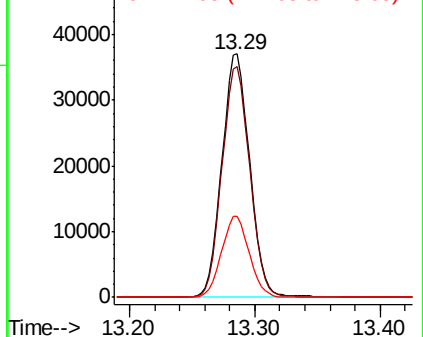
#69
 1,2,4-trichlorobenzene
 Concen: 5.078 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 56985
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.7 115.1
 145 33.1 26.4 39.6

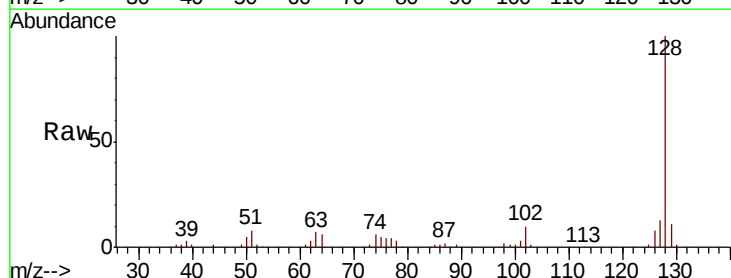


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

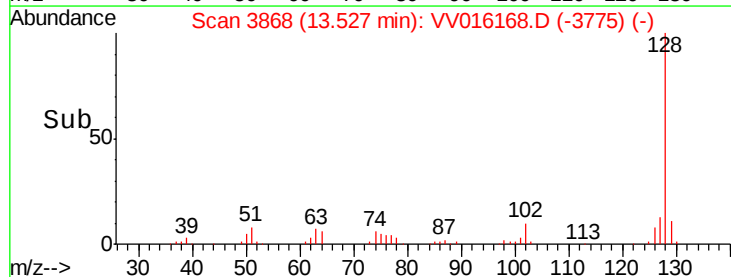
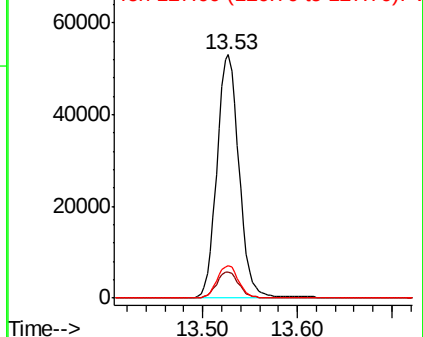


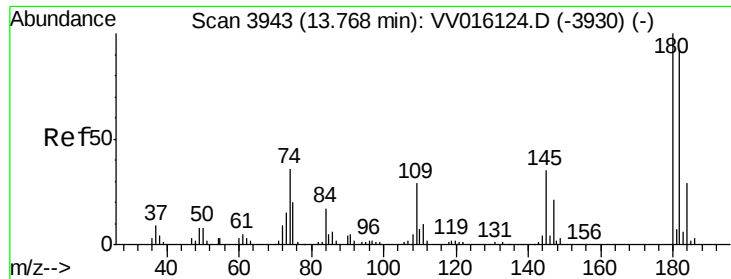
#70
 Naphthalene
 Concen: 4.845 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016168.D
 Acq: 22 May 2020 13:04

Tgt Ion:128 Resp: 86482
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.5 12.7
 127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#71

1,2,3-Trichlorobenzene

Concen: 4.879 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016168.D

Acq: 22 May 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 48301

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.6

145 35.1 28.3 42.5

