

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051520\
 Data File : VV016088.D
 Acq On : 15 May 2020 15:03
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 16 01:46:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 16 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	153833	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	150872	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41068	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.58	69	41035	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.12	63	85197	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	3.95	46	130969	55.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.04%
24) Chloroform-d	4.37	84	84135	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	53427	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.07	84	181213	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.09	67	56704	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.33	98	168500	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
45) trans-1,3-Dichloropropene-	7.64	79	20049	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
48) 2-Hexanone-d5	8.11	63	105916	56.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.12%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43390	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	60769	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	53193	4.513 ug/L	99
3) Chloromethane	1.25	50	57015	4.778 ug/L	99
5) Vinyl chloride	1.32	62	52535	4.603 ug/L	100
6) Bromomethane	1.53	94	29679	4.582 ug/L	98
8) Chloroethane	1.60	64	34124	4.197 ug/L	97
9) Trichlorofluoromethane	1.76	101	74505	4.760 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42733	4.833 ug/L	98
12) 1,1-Dichloroethene	2.13	96	39958	4.720 ug/L	93
13) Acetone	2.25	43	72339	46.065 ug/L	68
14) Carbon disulfide	2.31	76	126133	4.513 ug/L	99
15) Methyl Acetate	2.47	43	19483	5.369 ug/L	90
16) Methylene chloride	2.52	84	49639	4.900 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	105838	4.811 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	45922	4.908 ug/L	100
19) 1,1-Dichloroethane	3.21	63	89364	4.959 ug/L	99
21) 2-Butanone	4.03	43	115002	48.087 ug/L	100
22) cis-1,2-Dichloroethene	3.94	96	47014	4.800 ug/L	99

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

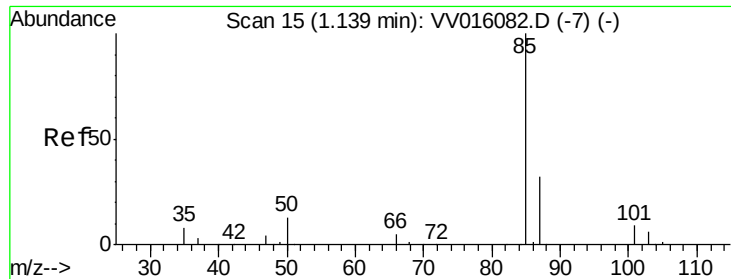
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 16 01:46:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	20215	4.836	ug/L	98
25) Chloroform	4.40	83	105207	5.301	ug/L	97
27) 1,2-Dichloroethane	5.16	62	57151	4.687	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	80128	4.816	ug/L	99
30) Cyclohexane	4.70	56	78512	4.709	ug/L	97
31) Carbon tetrachloride	4.85	117	67395	4.694	ug/L	100
33) Benzene	5.12	78	189165	4.983	ug/L	100
34) Trichloroethene	5.94	95	48348	4.463	ug/L	95
35) Methylcyclohexane	6.15	83	77054	4.702	ug/L	98
37) 1,2-Dichloropropane	6.20	63	45822	4.752	ug/L	98
38) Bromodichloromethane	6.53	83	58982	4.816	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	63470	4.657	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	305780	50.872	ug/L	100
42) Toluene	7.41	91	205749	5.114	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	184637	4.999	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	183934	4.983	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	53788	4.672	ug/L	95
47) 1,1,2-Trichloroethane	7.86	97	31722	4.926	ug/L	99
49) Tetrachloroethene	7.99	164	37665	4.982	ug/L	97
50) 2-Hexanone	8.16	43	221964	52.218	ug/L	99
51) Dibromochloromethane	8.27	129	35784	4.945	ug/L	99
52) 1,2-Dibromoethane	8.37	107	29726	4.977	ug/L	96
53) Chlorobenzene	8.90	112	129769	5.015	ug/L	98
54) Ethylbenzene	9.03	91	227270	4.968	ug/L	100
55) m,p-xylene	9.16	106	85220	5.031	ug/L	97
56) o-xylene	9.56	106	82106	5.070	ug/L	98
57) Styrene	9.58	104	142410	5.257	ug/L	97
58) Isopropylbenzene	9.95	105	222797	5.007	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	38646	5.616	ug/L	99
62) Bromoform	9.75	173	16871	4.769	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	102165	4.925	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	103971	4.989	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	93440	4.977	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6478	5.286	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	71921	4.742	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	60591	4.649	ug/L	97
70) Naphthalene	13.53	128	98768	4.765	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	55318	4.811	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.513 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

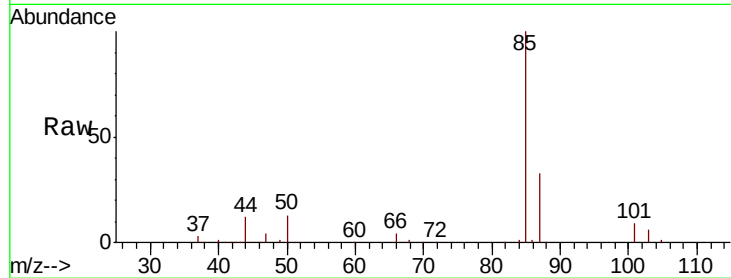
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 53193

Ion Ratio Lower Upper

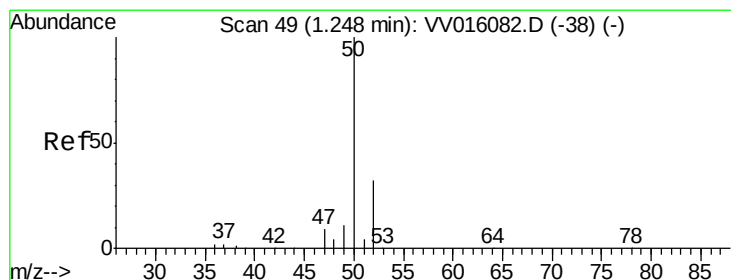
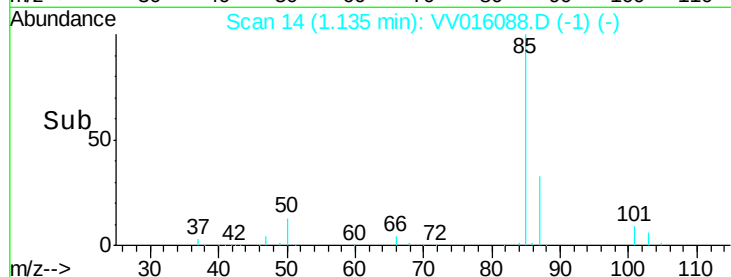
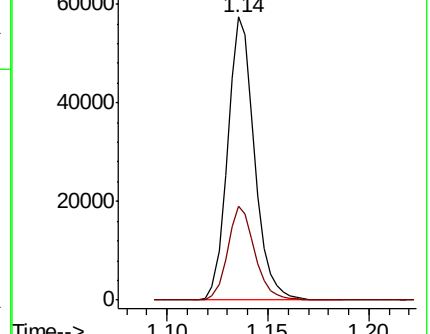
85 100

87 33.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.778 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016088.D

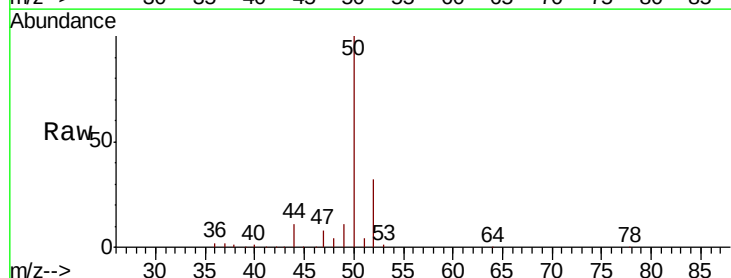
Acq: 15 May 2020 15:03

Tgt Ion: 50 Resp: 57015

Ion Ratio Lower Upper

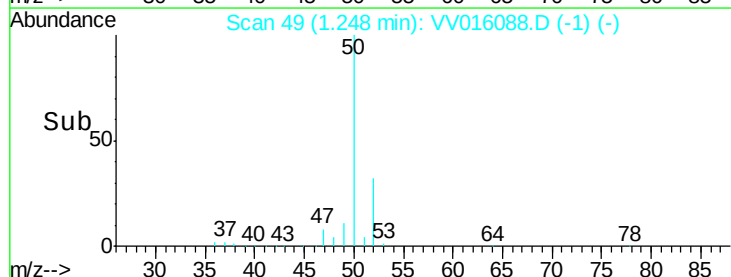
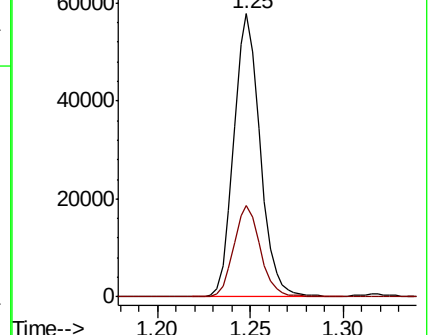
50 100

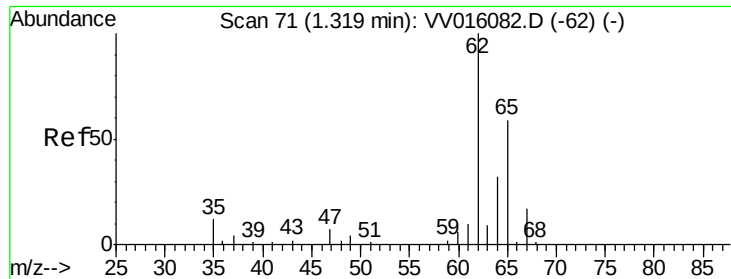
52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.603 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

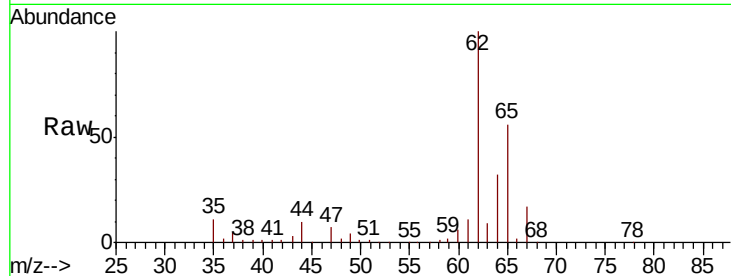
ClientSampled :

Tot Ion: 62 Resp: 52535

Ion Ratio Lower Upper

62 100

64 32.1 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

50000

40000

30000

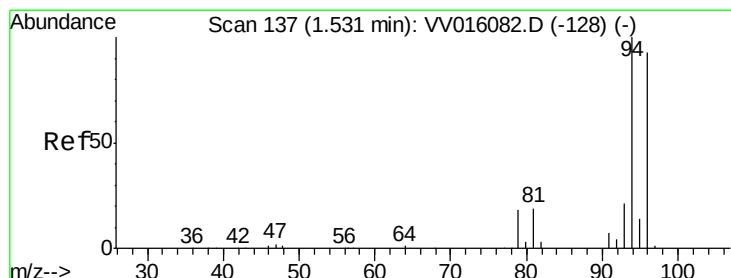
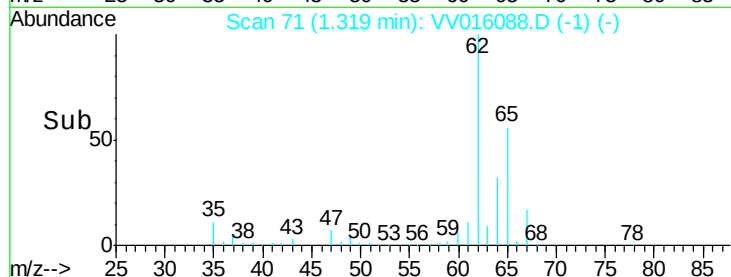
20000

10000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 4.582 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016088.D

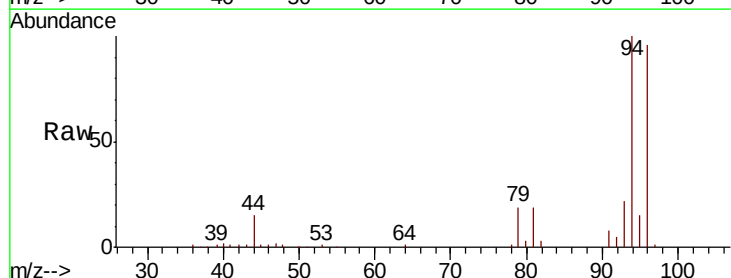
Acq: 15 May 2020 15:03

Tgt Ion: 94 Resp: 29679

Ion Ratio Lower Upper

94 100

96 95.6 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

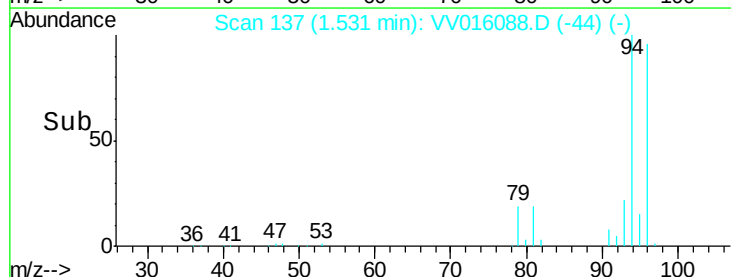
10000

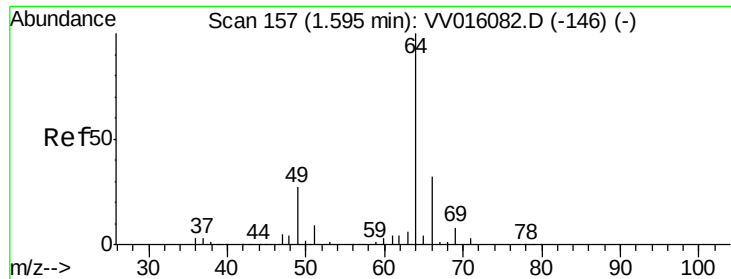
5000

0

1.50 1.55 1.60

Time-->

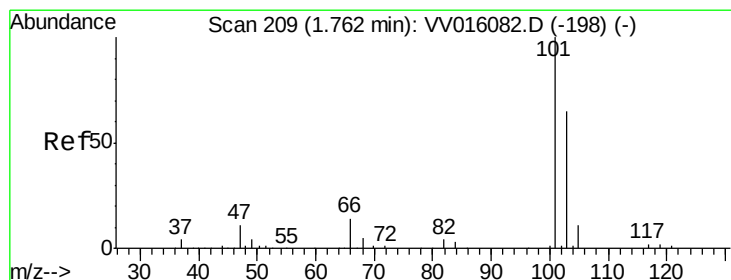
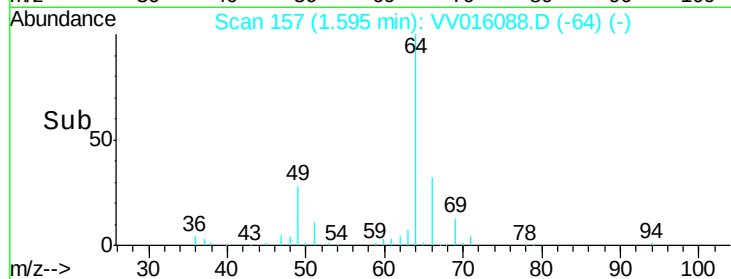
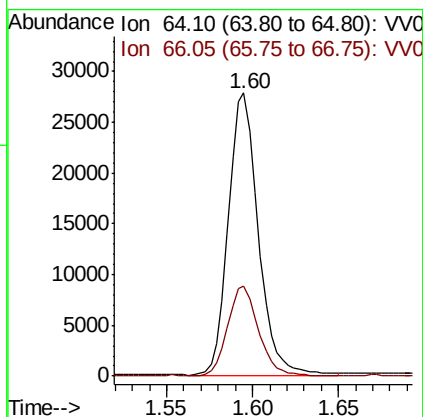
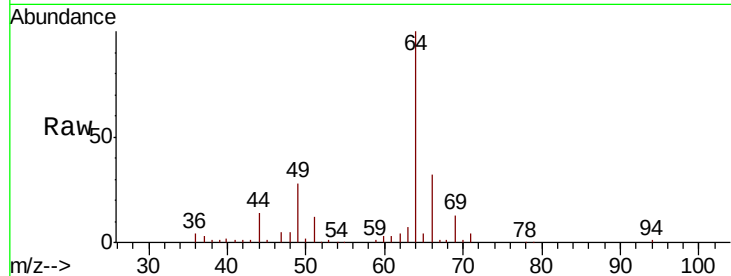




#8
Chloroethane
Concen: 4.197 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

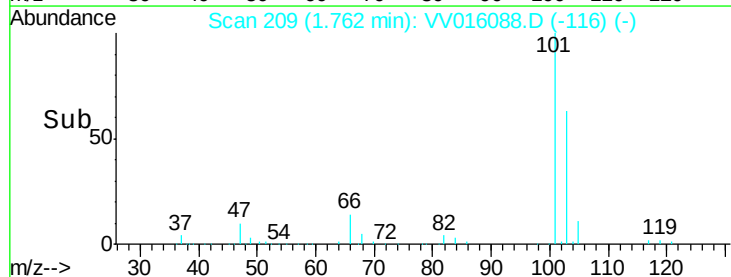
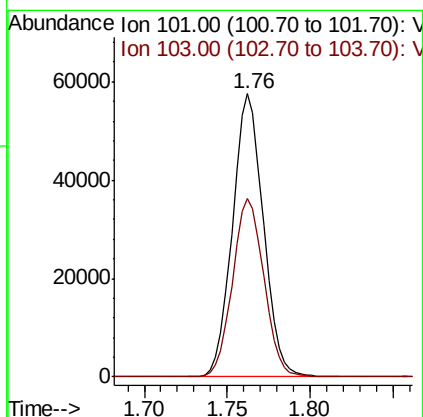
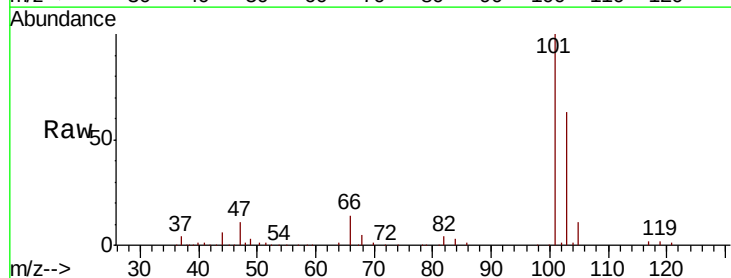
Instrument :
MSVOA_V
ClientSampleId :

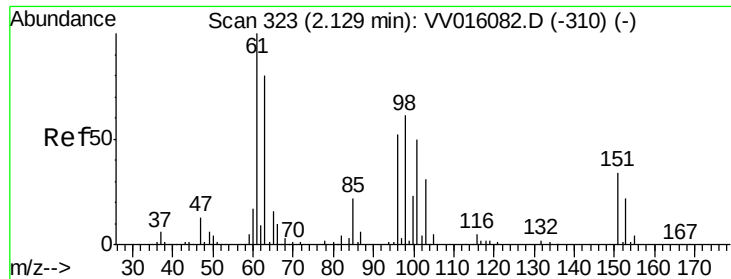
Tot Ion: 64 Resp: 34124
Ion Ratio Lower Upper
64 100
66 31.7 23.6 43.8



#9
Trichlorofluoromethane
Concen: 4.760 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion:101 Resp: 74505
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2





#10

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

Concen: 4.833 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

ClientSampleId :

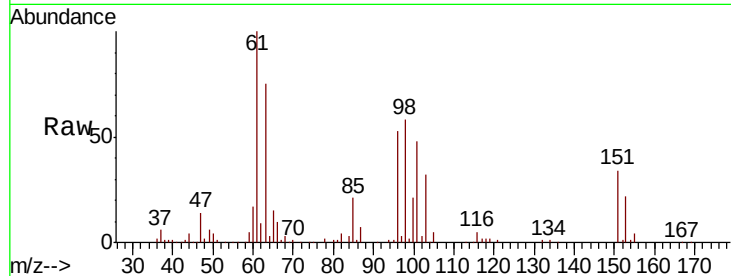
Tot Ion:101 Resp: 42733

Ion Ratio Lower Upper

101 100

85 43.0 35.7 53.5

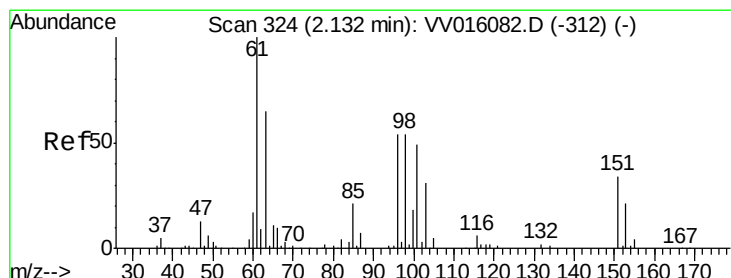
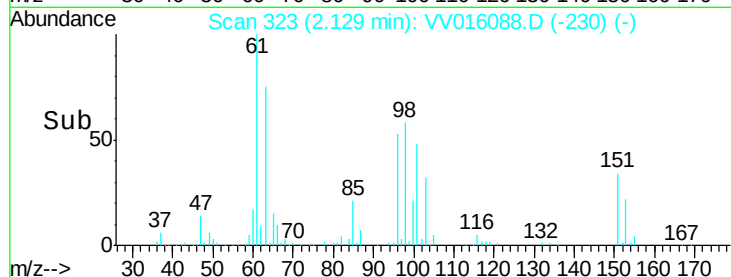
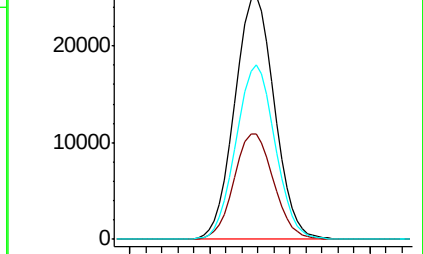
151 70.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV016088.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016088.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016088.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 4.720 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

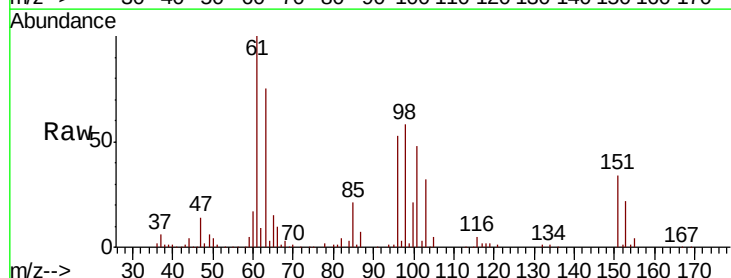
Tgt Ion: 96 Resp: 39958

Ion Ratio Lower Upper

96 100

61 189.7 139.9 259.7

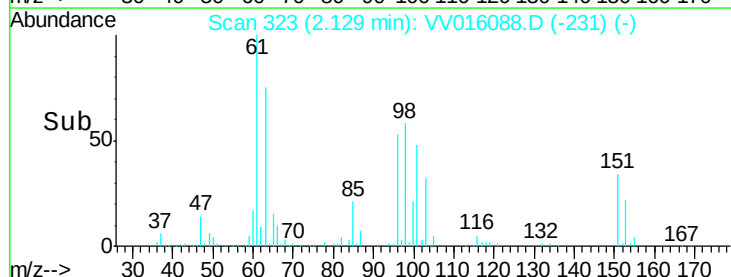
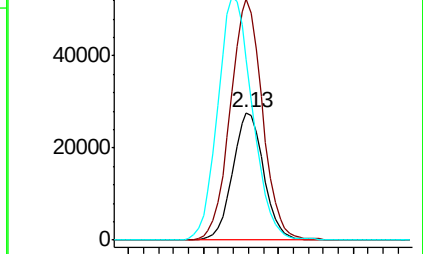
63 142.1 106.4 197.6

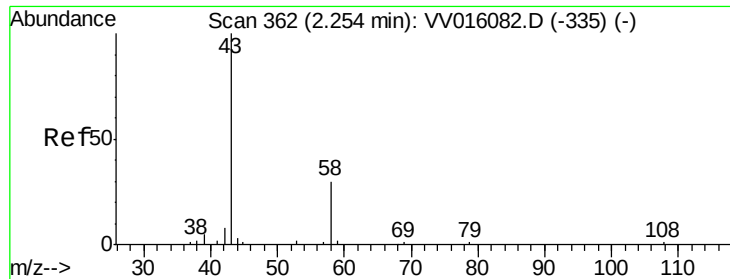


Abundance Ion 96.00 (95.70 to 96.70): VV016088.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV016088.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV016088.D (-231) (-)





#13

Acetone

Concen: 46.065 ug/L

RT: 2.25 min Scan# 360

Delta R.T. -0.01 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

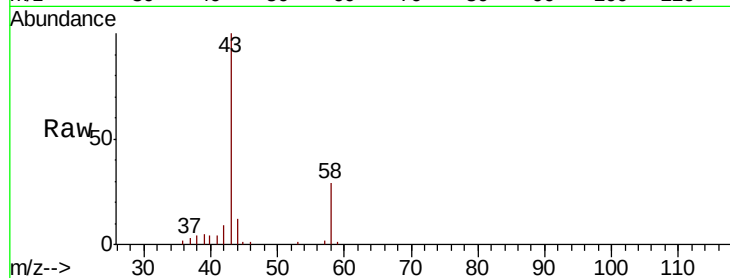
ClientSampleId :

Tot Ion: 43 Resp: 72339

Ion Ratio Lower Upper

43 100

58 28.9 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016088.D (-269) (-)

Ion 58.05 (57.75 to 58.75): VV016088.D (-269) (-)

2.25

12000

10000

8000

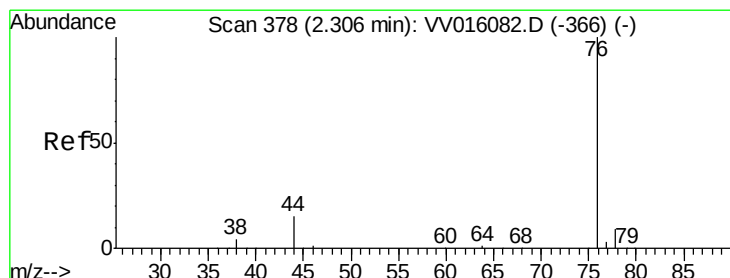
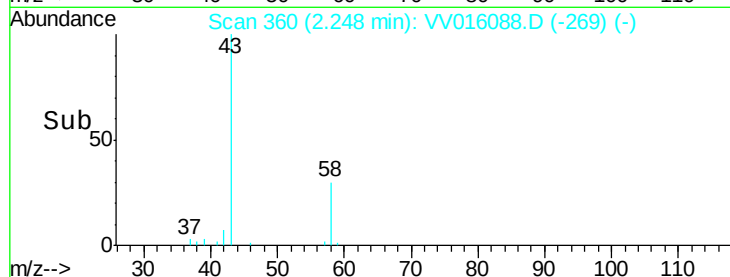
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 4.513 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016088.D

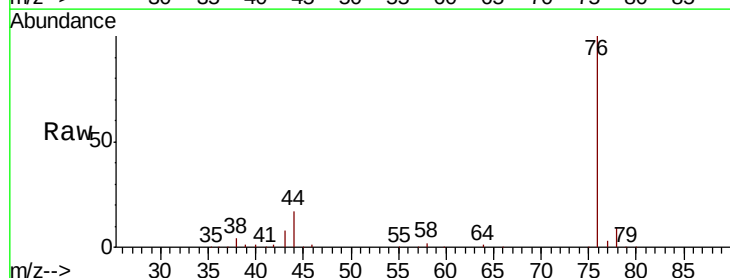
Acq: 15 May 2020 15:03

Tgt Ion: 76 Resp: 126133

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV016088.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV016088.D (-285) (-)

2.31

100000

80000

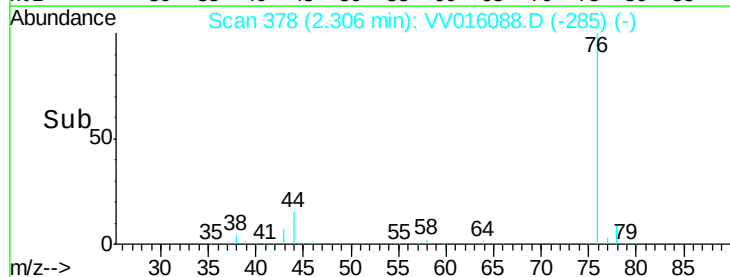
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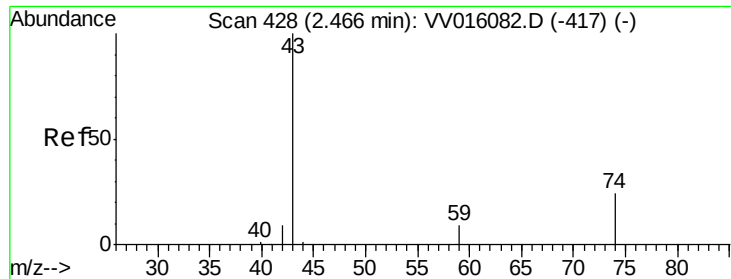
40000

20000

0

Time-->

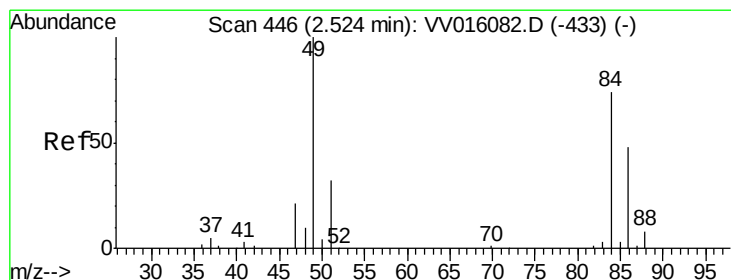
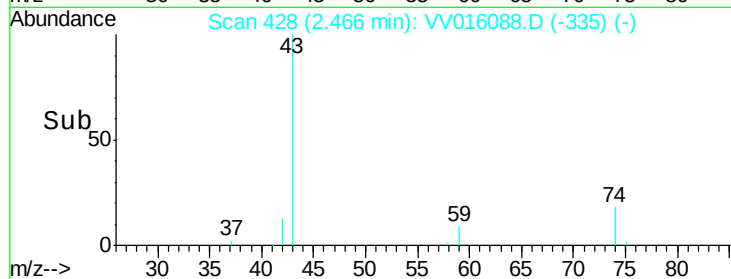
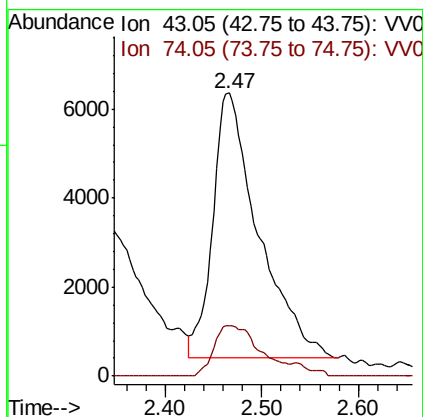
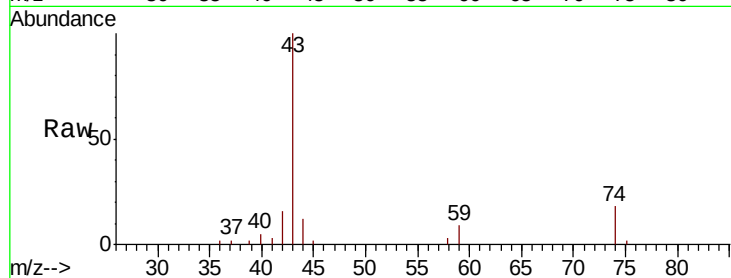




#15
Methvl Acetate
Concen: 5.369 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

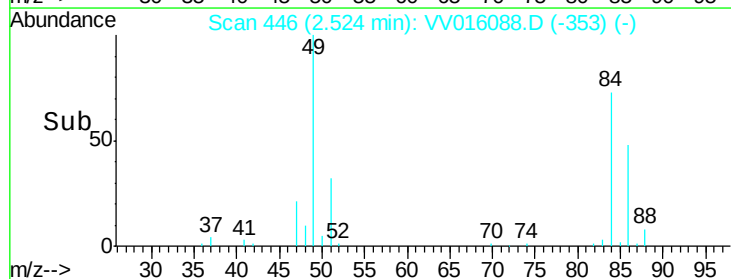
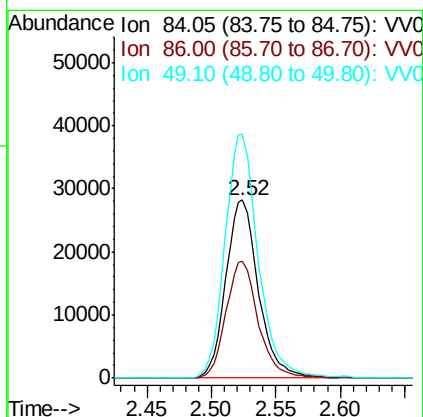
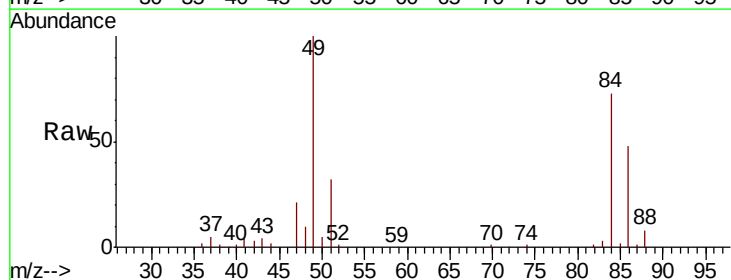
Instrument :
MSVOA_V
ClientSampleId :

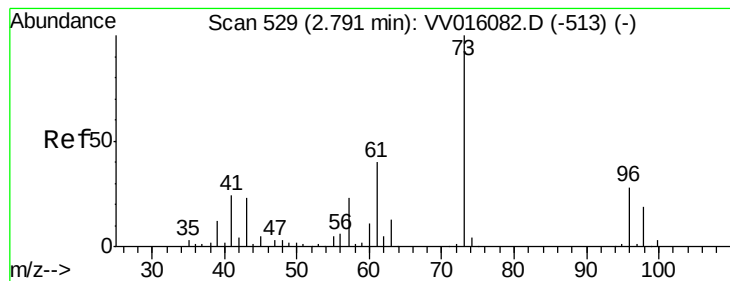
Tot Ion: 43 Resp: 19483
Ion Ratio Lower Upper
43 100
74 19.2 19.2 28.8



#16
Methylene chloride
Concen: 4.900 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion: 84 Resp: 49639
Ion Ratio Lower Upper
84 100
86 65.5 45.6 84.8
49 136.8 93.6 173.8



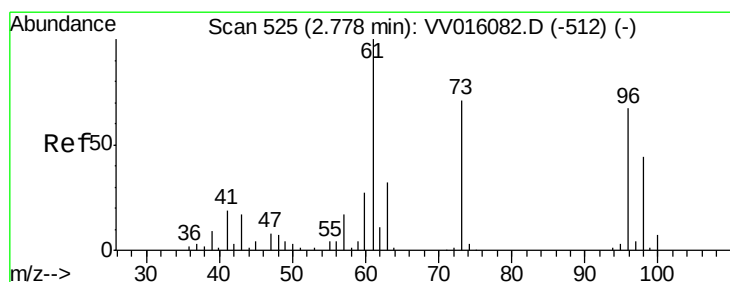
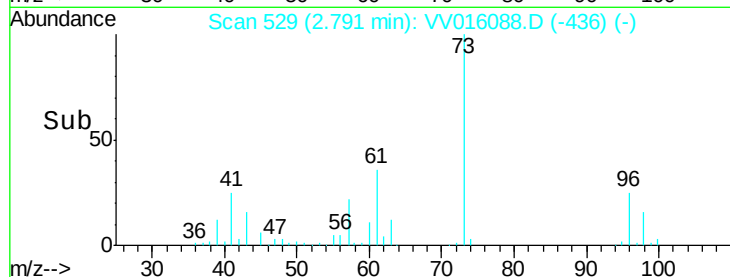
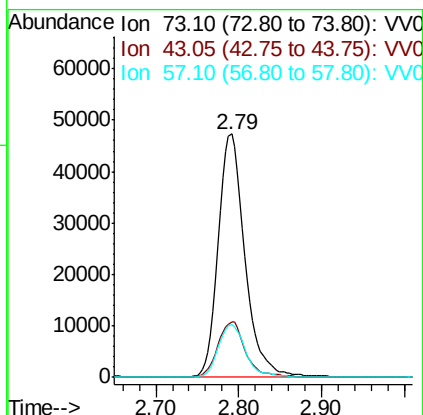
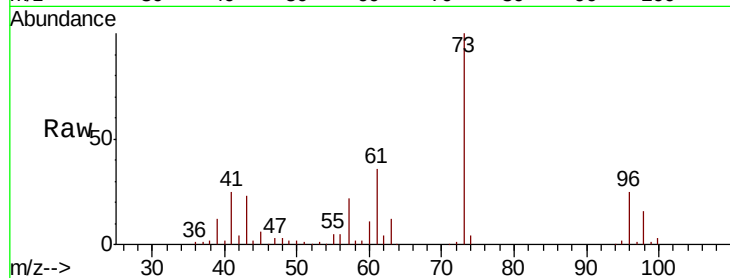


#17

Methyl tert-butyl Ether
 Concen: 4.811 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Instrument :
 MSVOA_V
 ClientSampleId :

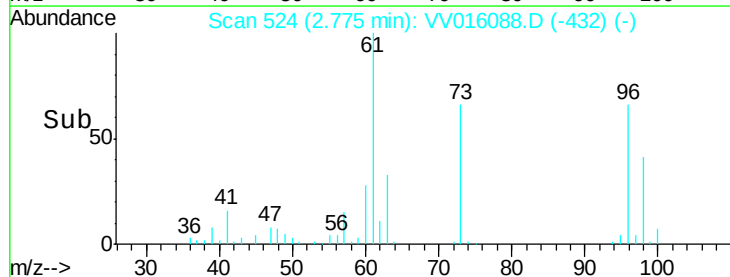
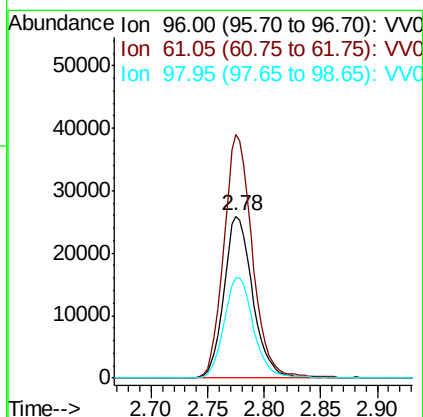
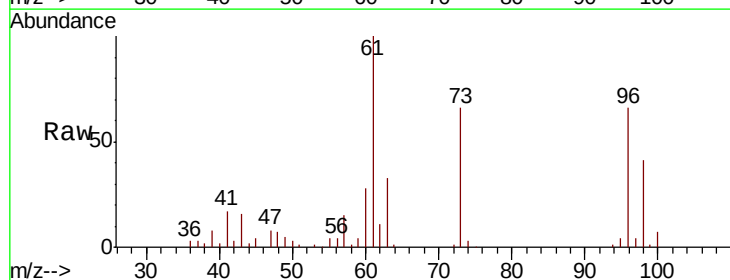
Tot Ion: 73 Resp: 105838
 Ion Ratio Lower Upper
 73 100
 43 24.0 18.8 28.2
 57 22.2 17.8 26.6

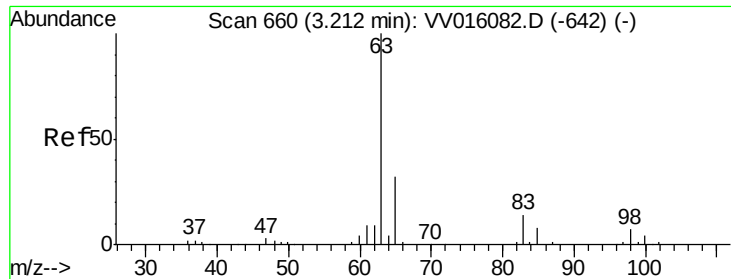


#18

trans-1,2-Dichloroethene
 Concen: 4.908 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion: 96 Resp: 45922
 Ion Ratio Lower Upper
 96 100
 61 150.5 105.3 195.5
 98 61.7 44.0 81.6

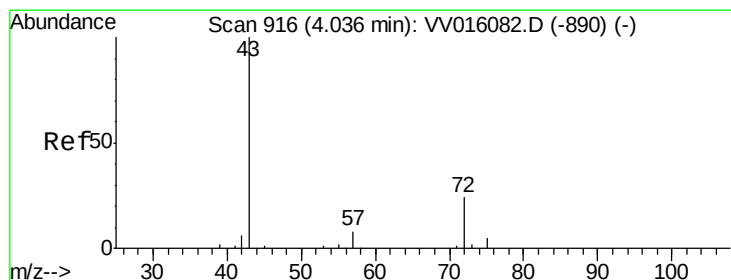
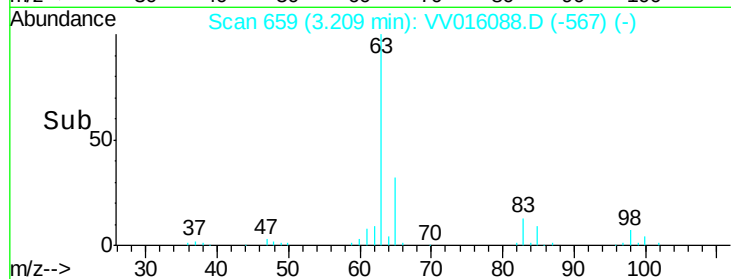
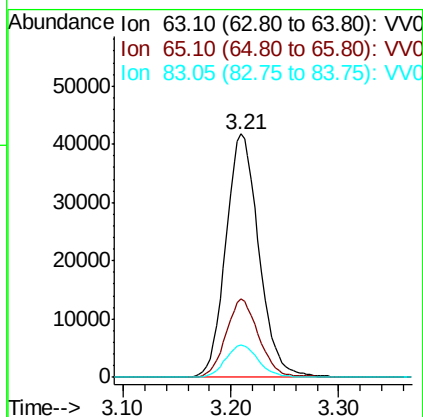
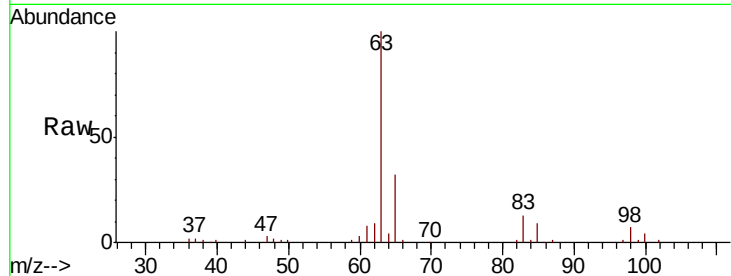




#19
 1,1-Dichloroethane
 Concen: 4.959 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

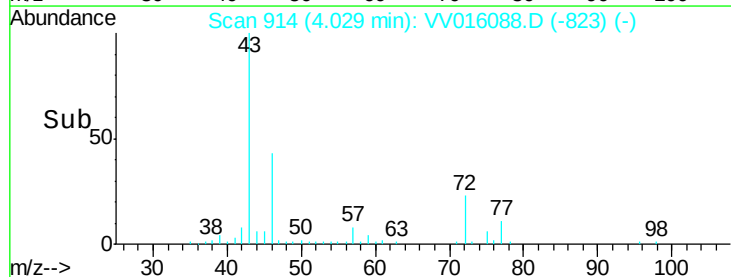
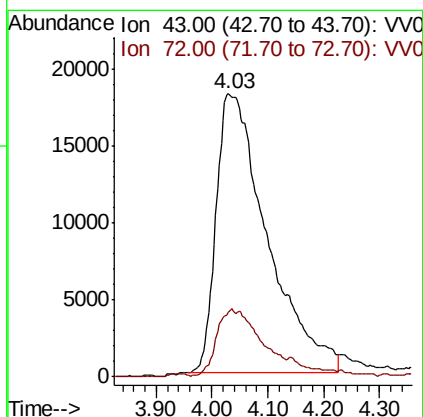
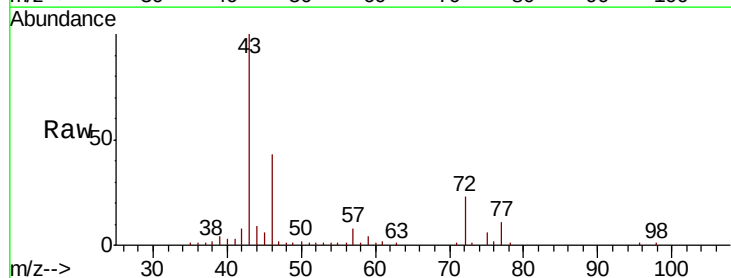
Instrument :
 MSVOA_V
 ClientSampled :

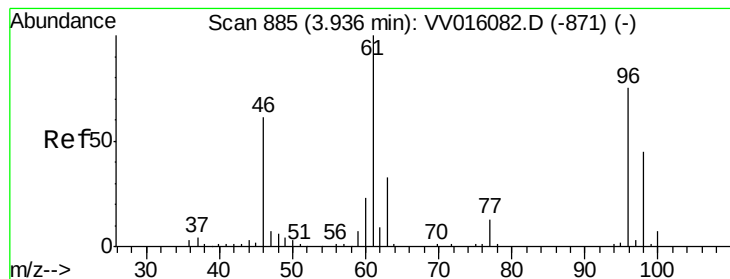
Tot Ion: 63 Resp: 89364
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.0 41.0
 83 13.3 9.8 18.2



#21
 2-Butanone
 Concen: 48.087 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion: 43 Resp: 115002
 Ion Ratio Lower Upper
 43 100
 72 20.9 10.5 31.5



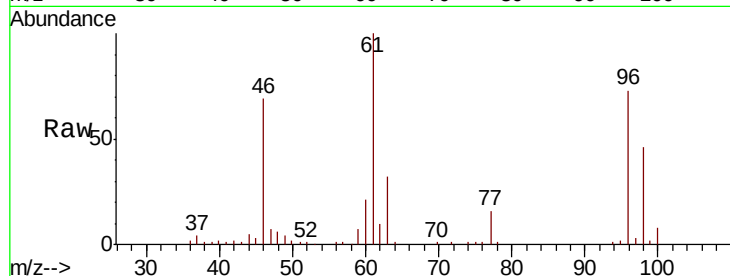


#22

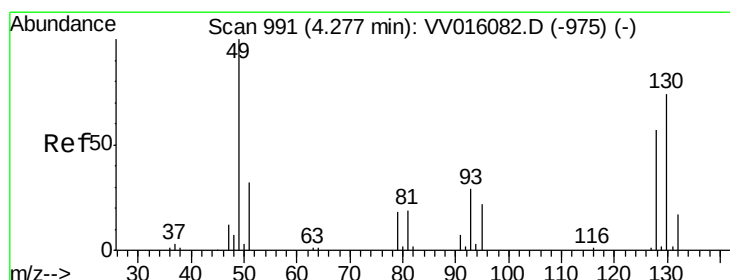
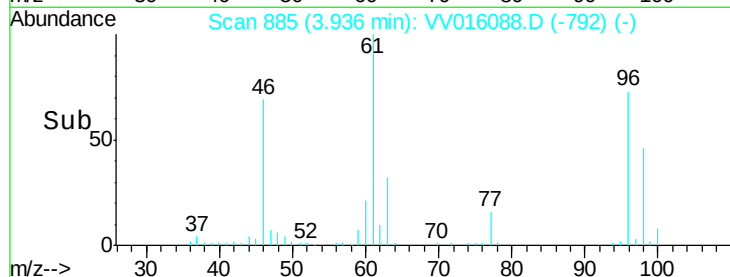
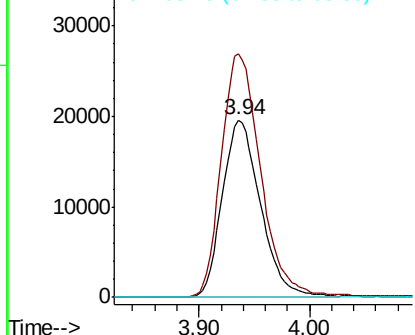
cis-1,2-Dichloroethene
 Concen: 4.800 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 47014
 Ion Ratio Lower Upper
 96 100
 61 137.2 97.2 180.6
 68 0.0 0.0 0.0



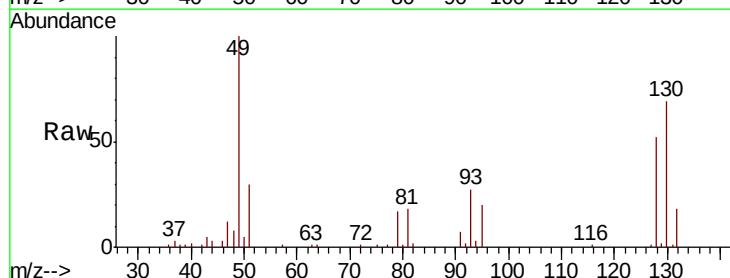
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



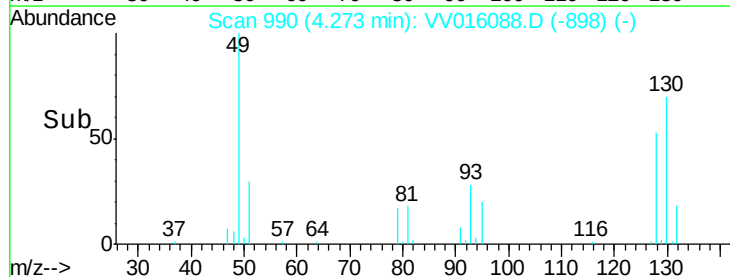
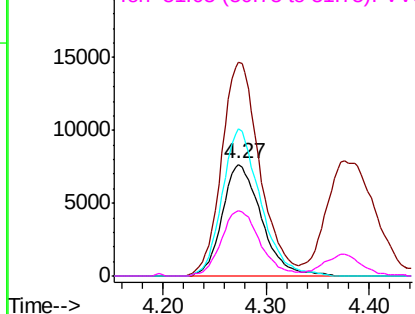
#23

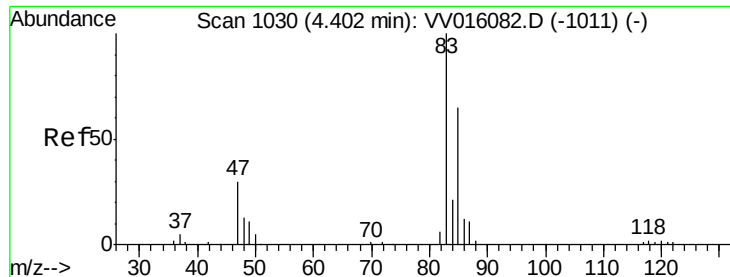
Bromochloromethane
 Concen: 4.836 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion: 128 Resp: 20215
 Ion Ratio Lower Upper
 128 100
 49 191.4 131.3 243.8
 130 131.9 91.8 170.4
 51 58.0 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

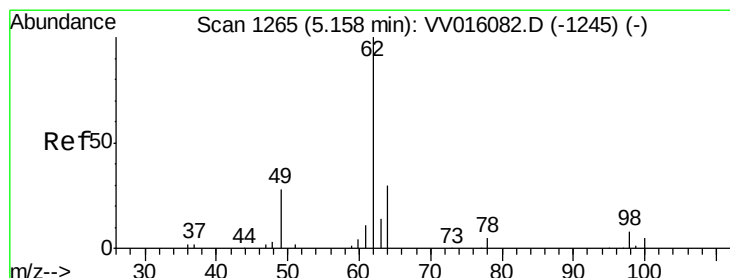
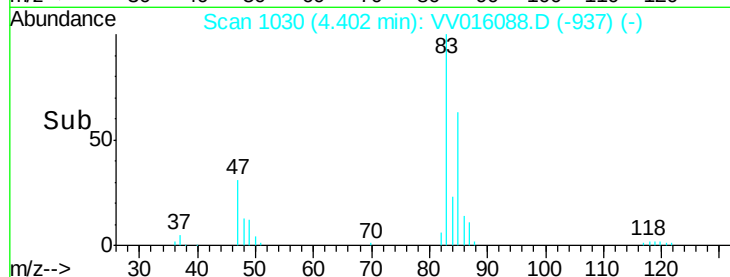
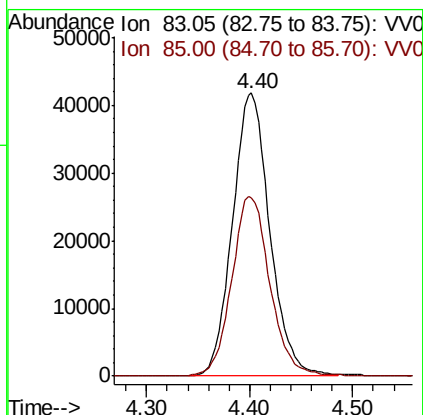
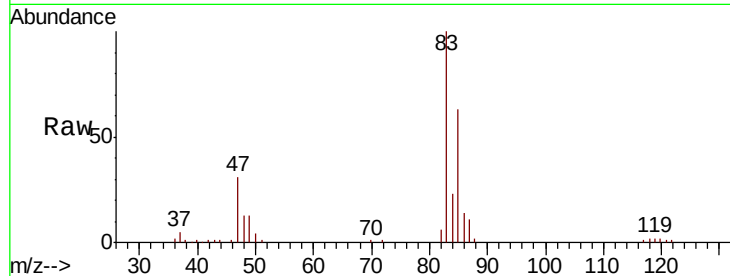




#25
Chloroform
Concen: 5.301 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

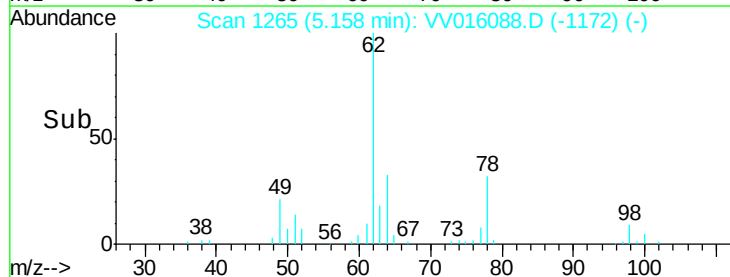
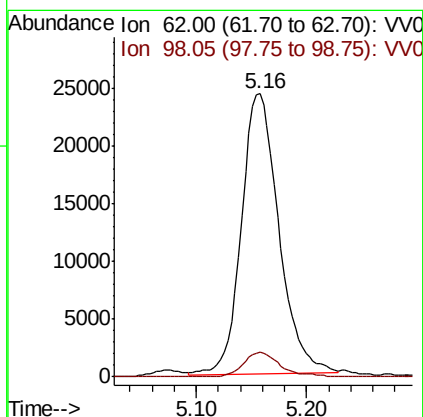
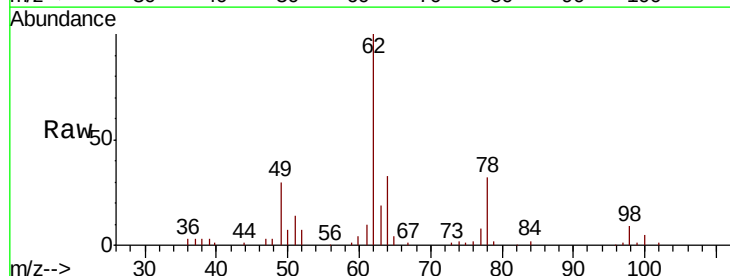
Instrument :
MSVOA_V
ClientSampleId :

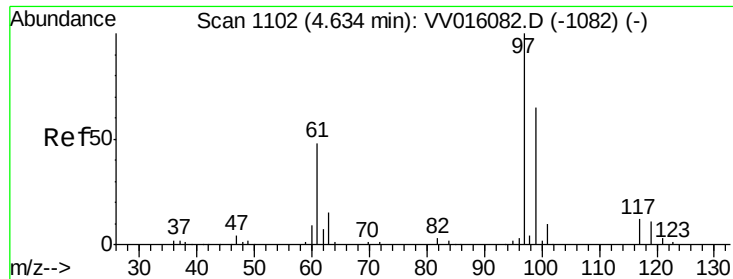
Tot Ion: 83 Resp: 105207
Ion Ratio Lower Upper
83 100
85 62.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.687 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion: 62 Resp: 57151
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1

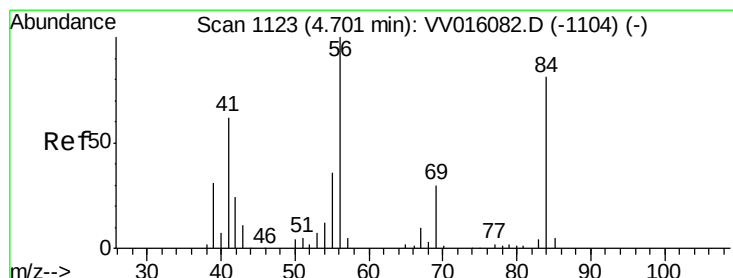
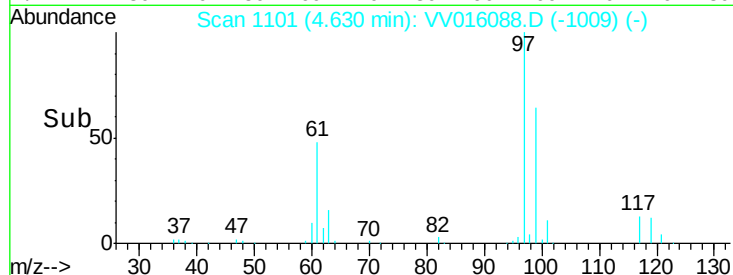
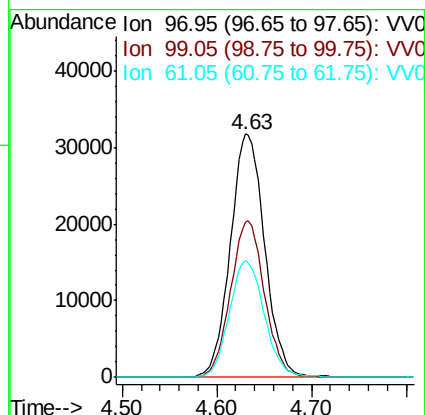
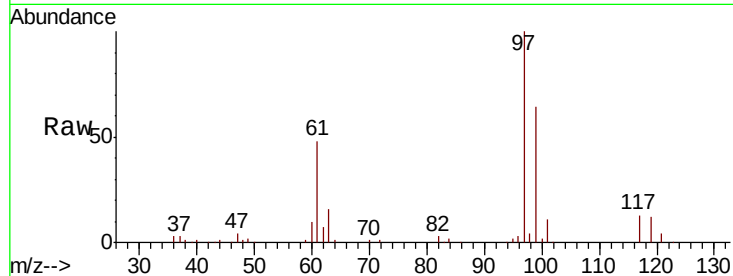




#29
 1,1,1-Trichloroethane
 Concen: 4.816 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

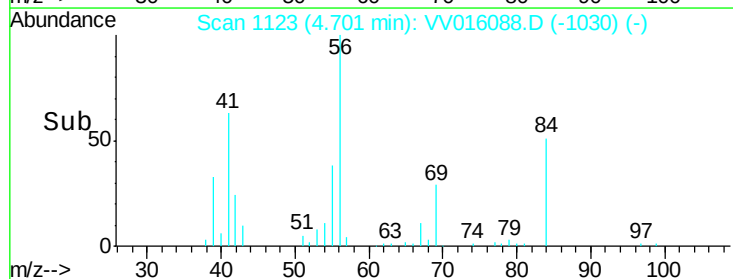
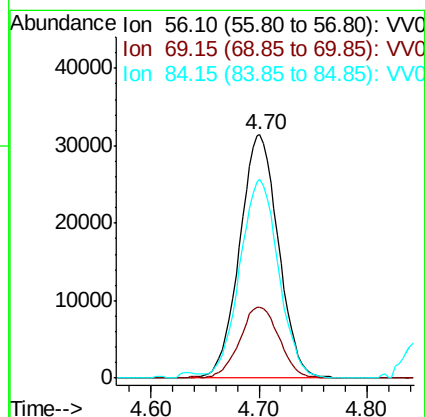
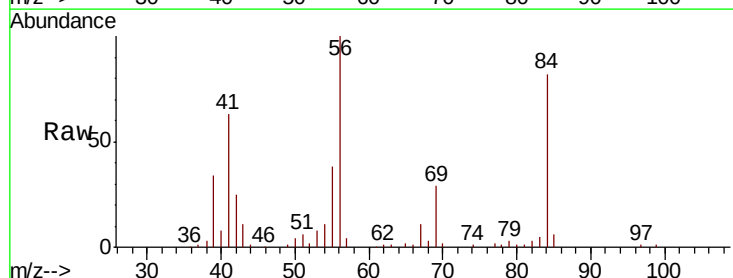
Instrument :
 MSVOA_V
 ClientSampled :

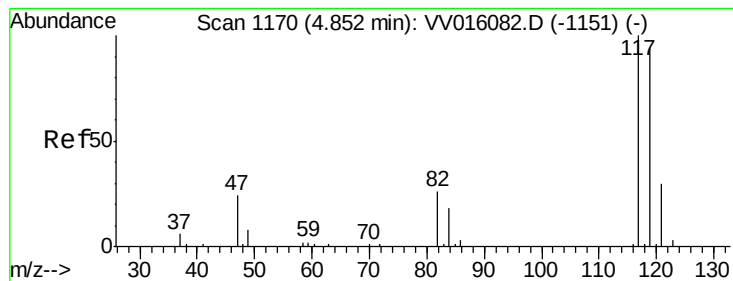
Tot Ion: 97 Resp: 80128
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.7 76.1
 61 49.1 38.8 58.2



#30
 Cyclohexane
 Concen: 4.709 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion: 56 Resp: 78512
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.2 36.2
 84 81.9 68.3 102.5





#31

Carbon tetrachloride

Concen: 4.694 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

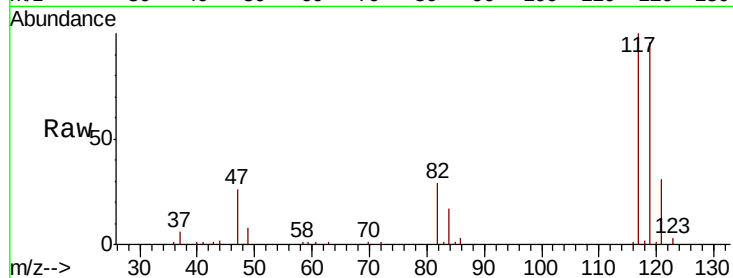
ClientSampleId :

Tot Ion:117 Resp: 67395

Ion Ratio Lower Upper

117 100

119 96.3 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

30000

25000

20000

15000

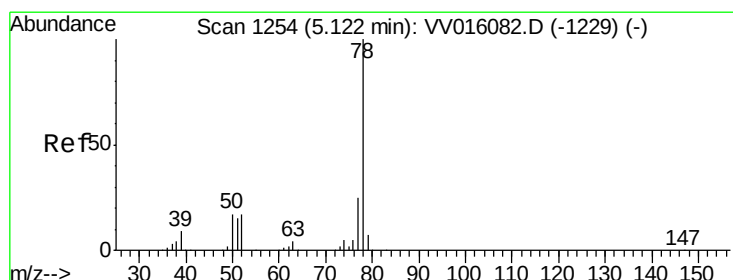
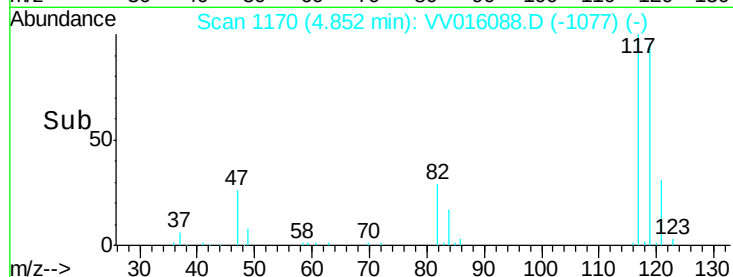
10000

5000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 4.983 ug/L

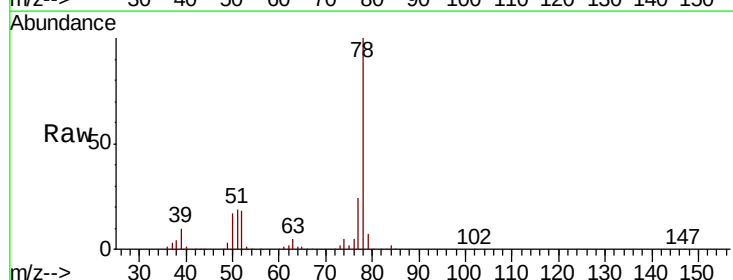
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Tgt Ion: 78 Resp: 189165



Abundance Ion 78.10 (77.80 to 78.80): VV0

100000

80000

60000

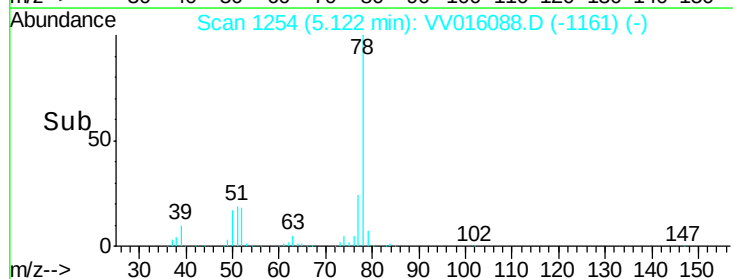
40000

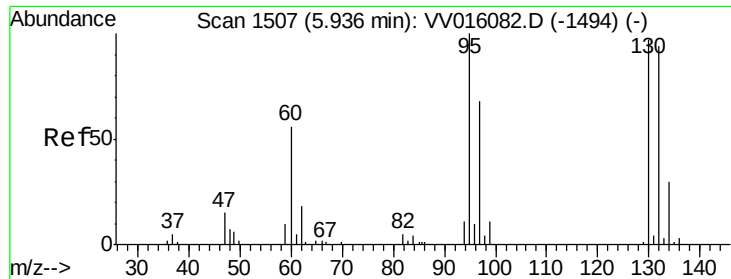
20000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 4.463 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 48348

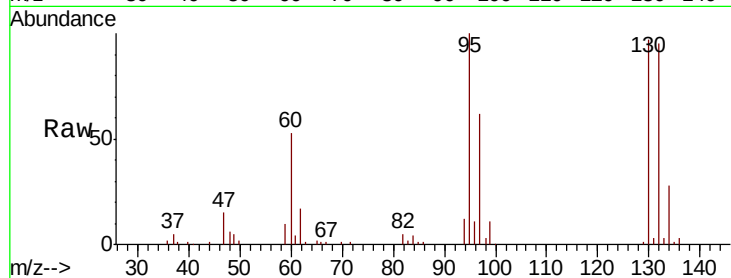
Ion Ratio Lower Upper

95 100

97 61.6 43.3 80.5

132 95.0 60.3 112.1

130 97.4 66.0 122.6

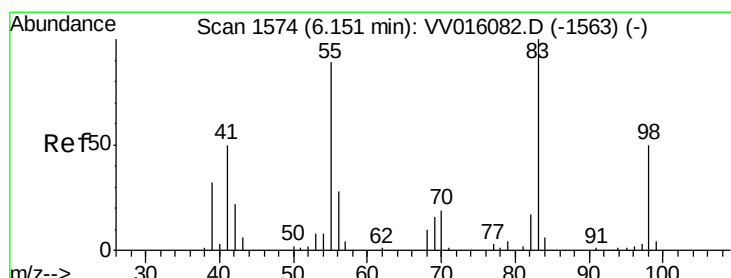
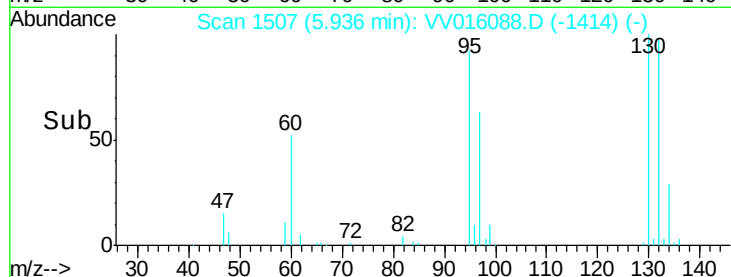
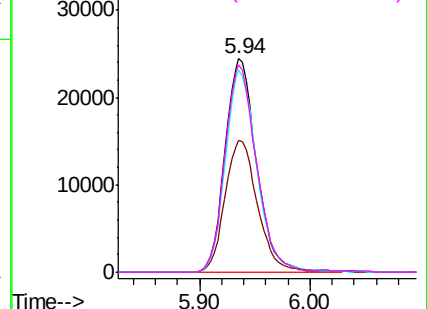


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.702 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

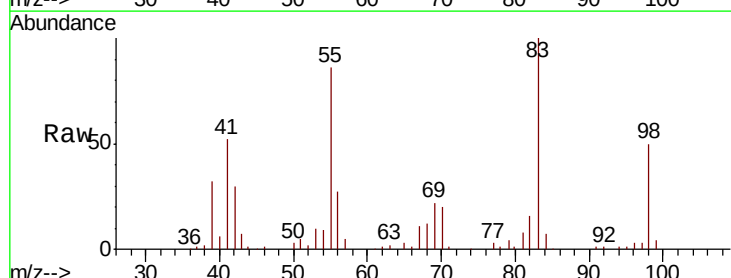
Tgt Ion: 83 Resp: 77054

Ion Ratio Lower Upper

83 100

55 84.3 66.2 99.2

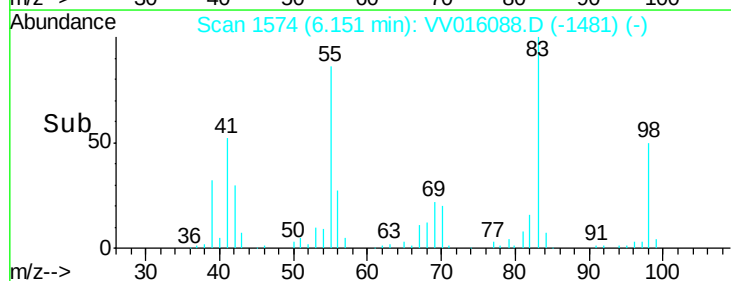
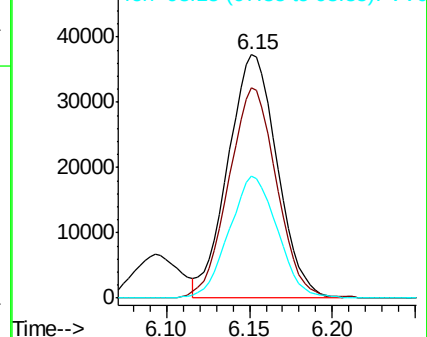
98 49.4 37.9 56.9

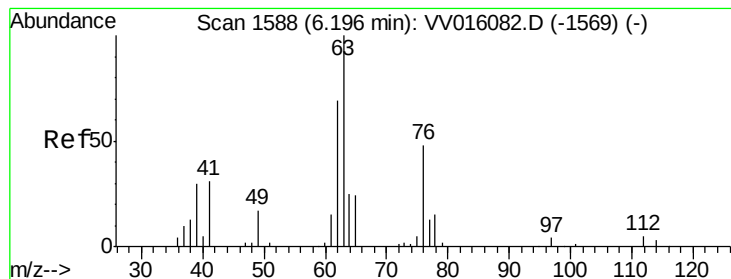


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.752 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

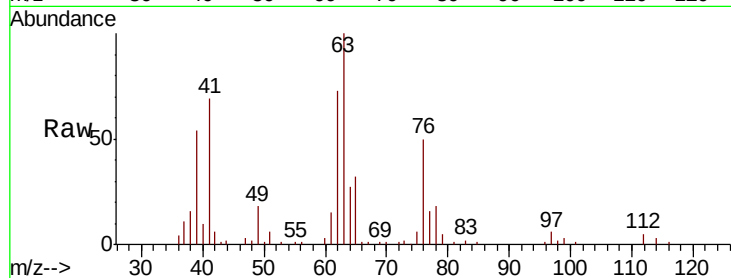
ClientSampled :

Tot Ion: 63 Resp: 45822

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV016088.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV016088.D (-1495) (-)

25000

20000

15000

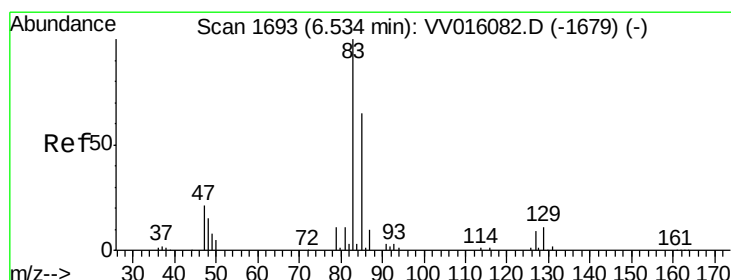
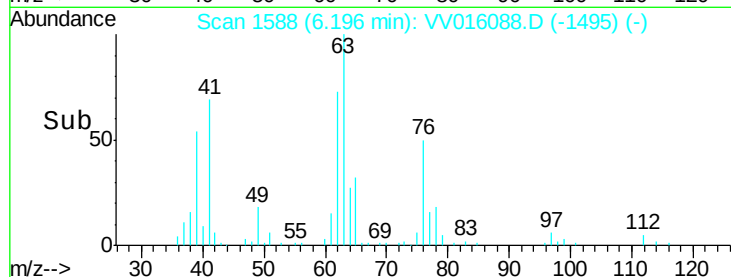
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.816 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

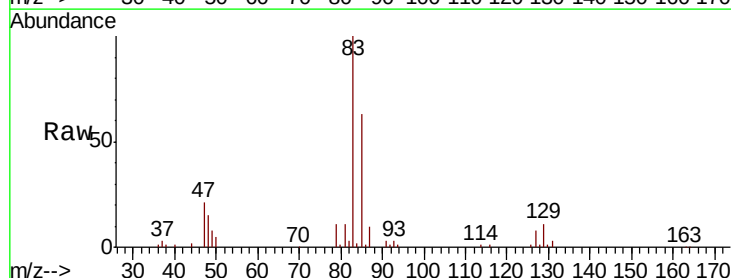
Tgt Ion: 83 Resp: 58982

Ion Ratio Lower Upper

83 100

85 63.3 45.5 84.5

127 7.9 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV016088.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV016088.D (-1600) (-)

Ion 126.90 (126.60 to 127.60): VV016088.D (-1600) (-)

40000

30000

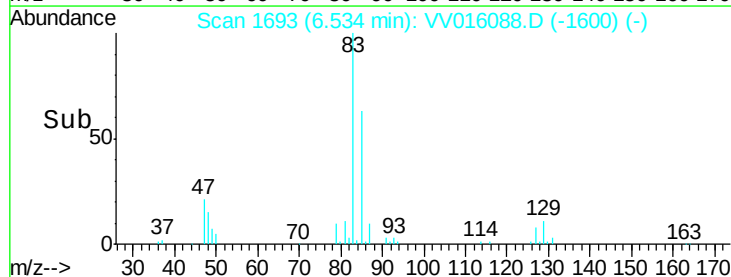
20000

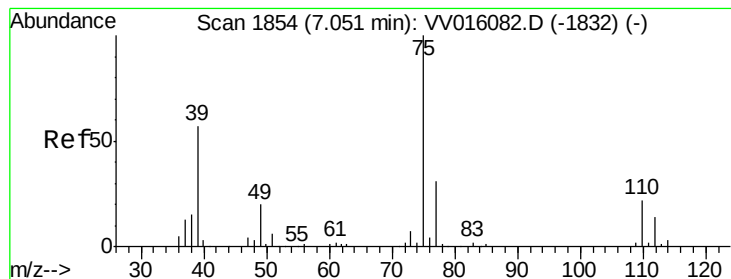
10000

0

6.45 6.50 6.55 6.60

Time-->



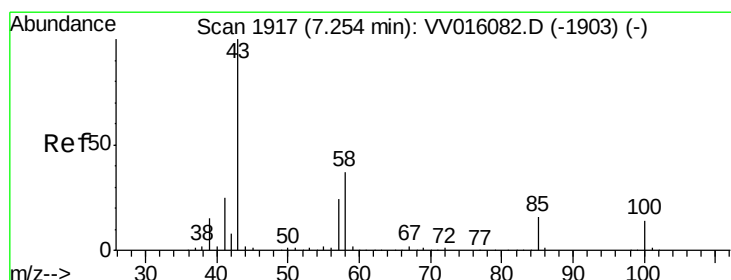
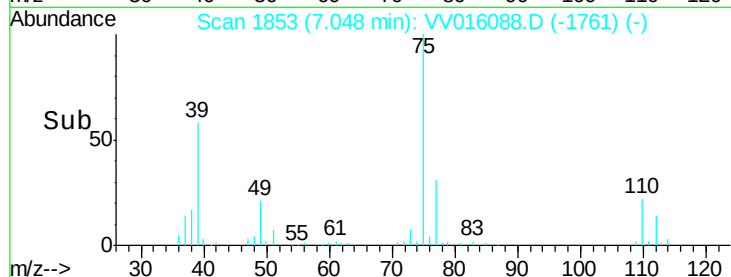
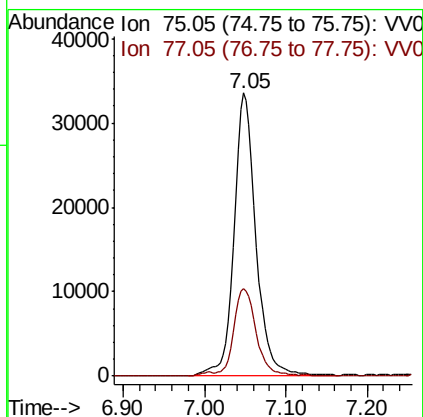
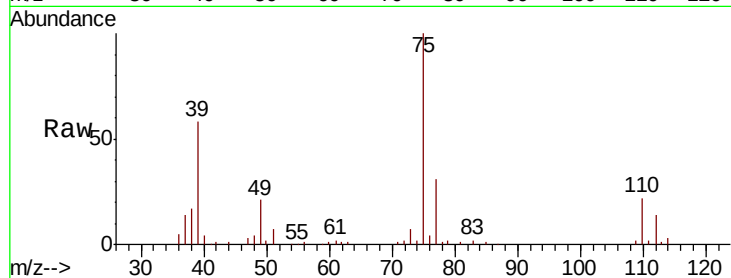


#39

cis-1,3-Dichloropropene
Concen: 4.657 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Instrument :
MSVOA_V
ClientSampleId :

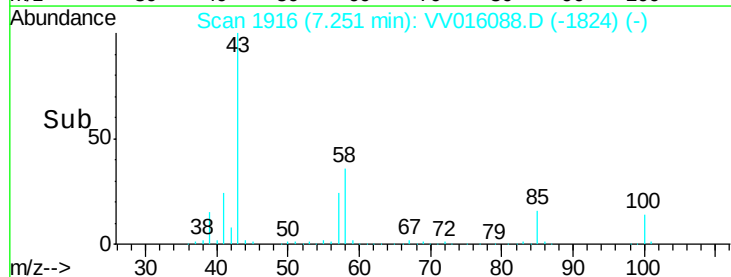
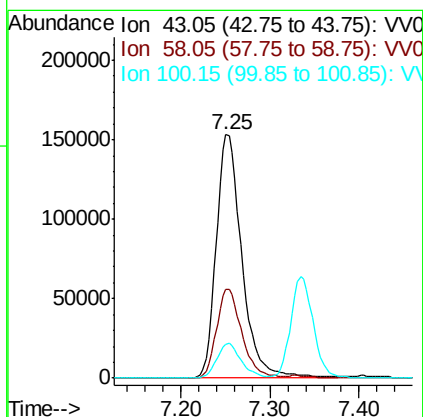
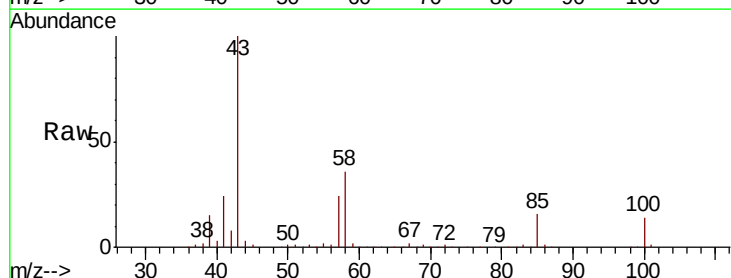
Tot Ion: 75 Resp: 63470
Ion Ratio Lower Upper
75 100
77 30.8 21.3 39.5

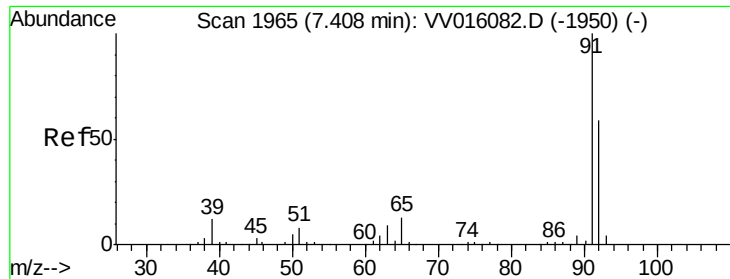


#40

4-Methyl-2-pentanone
Concen: 50.872 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion: 43 Resp: 305780
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.4
100 13.6 10.9 16.3





#42

Toluene

Concen: 5.114 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

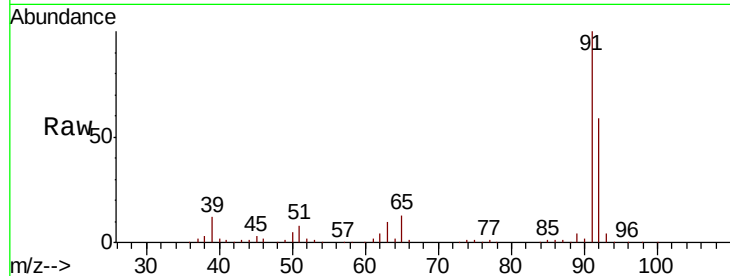
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 205749

Ion Ratio Lower Upper

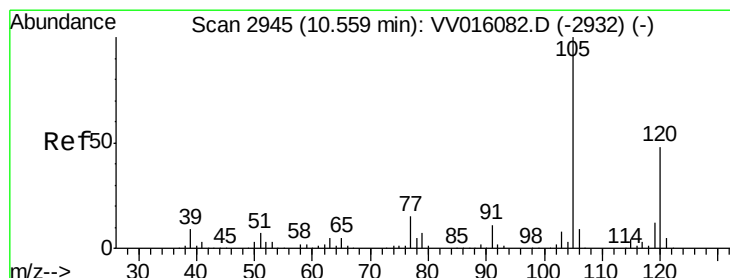
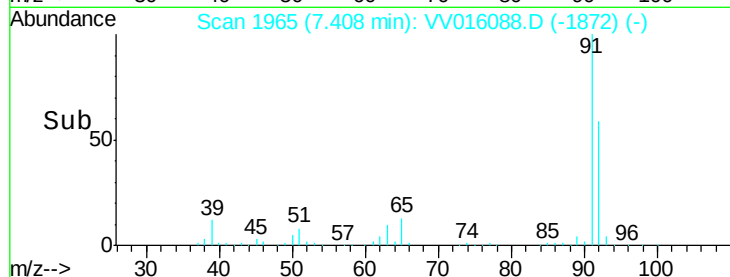
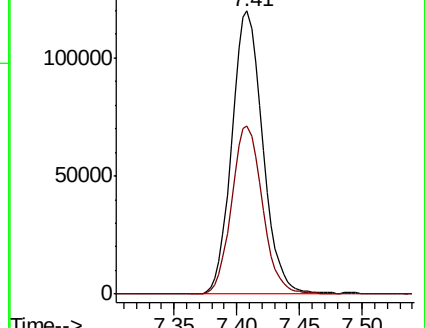
91 100

92 59.5 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016088.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV016088.D (-1950) (-)



#43

1,3,5-Trimethylbenzene

Concen: 4.999 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016088.D

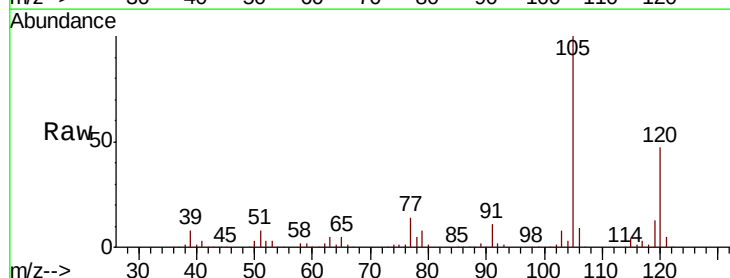
Acq: 15 May 2020 15:03

Tgt Ion:105 Resp: 184637

Ion Ratio Lower Upper

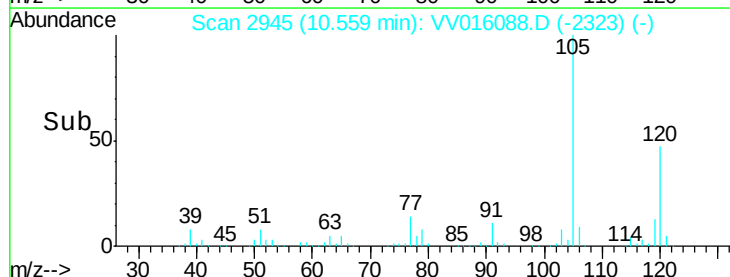
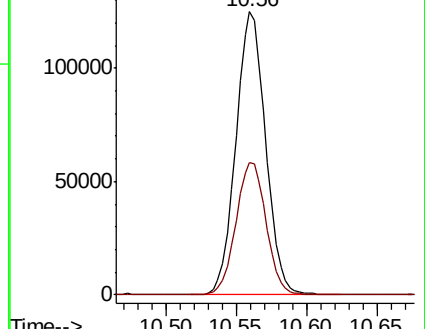
105 100

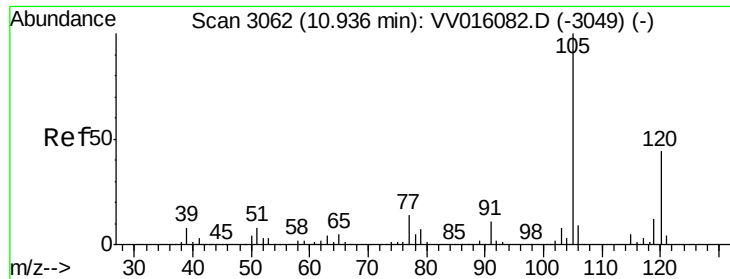
120 47.5 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.30): VV016088.D (-2932) (-)

Ion 120.00 (119.70 to 120.30): VV016088.D (-2932) (-)

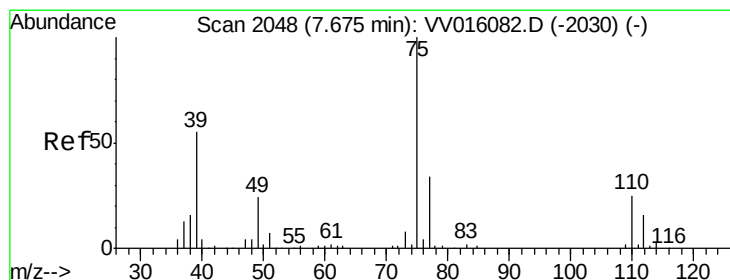
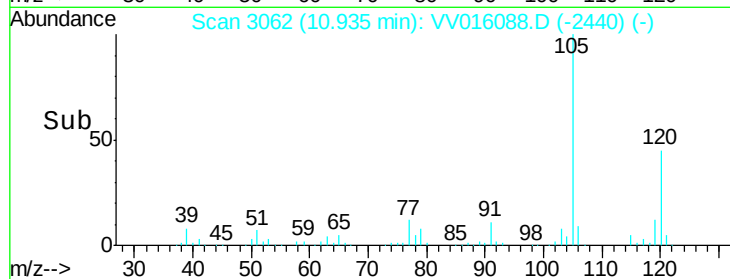
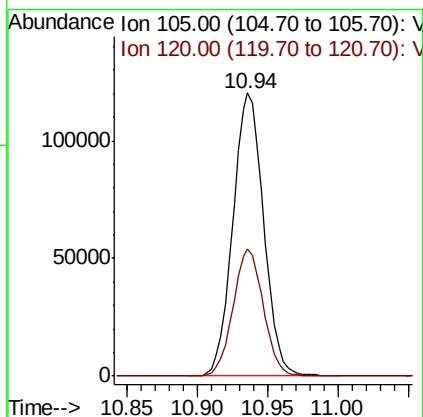
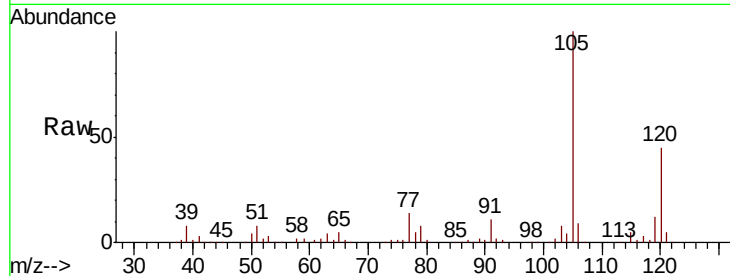




#44
1,2,4-Trimethylbenzene
Concen: 4.983 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

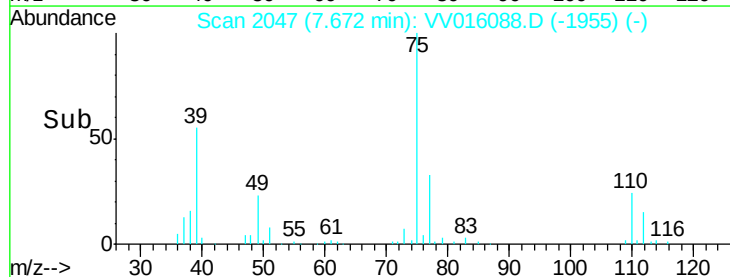
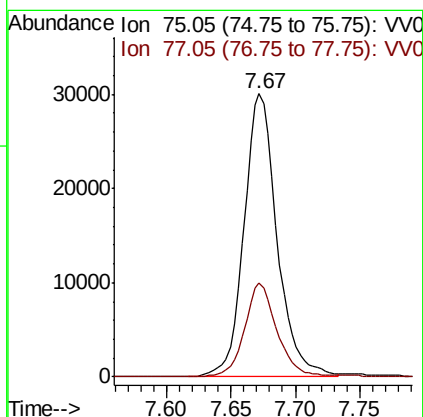
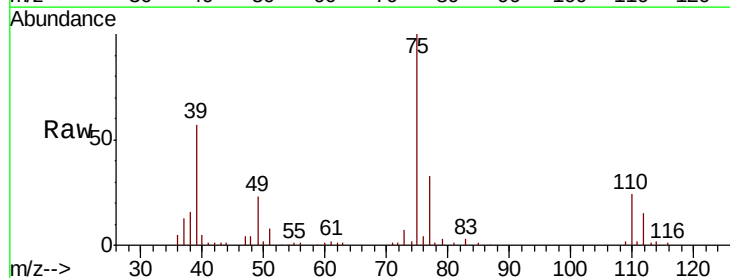
Instrument :
MSVOA_V
ClientSampled :

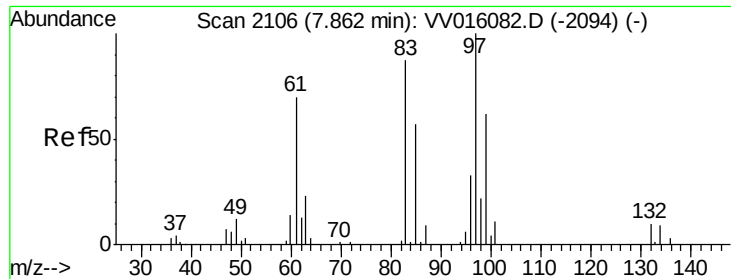
Tot Ion:105 Resp: 183934
Ion Ratio Lower Upper
105 100
120 44.1 0.0 0.0#



#46
trans-1,3-Dichloropropene
Concen: 4.672 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion: 75 Resp: 53788
Ion Ratio Lower Upper
75 100
77 33.2 21.3 39.6

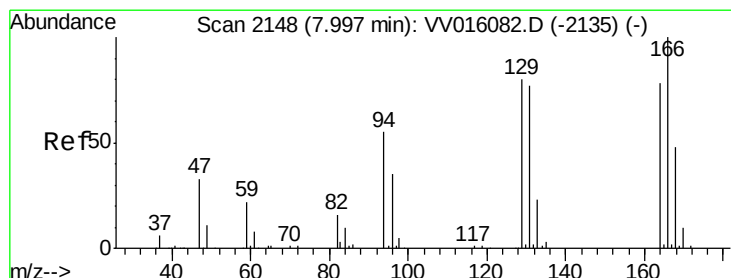
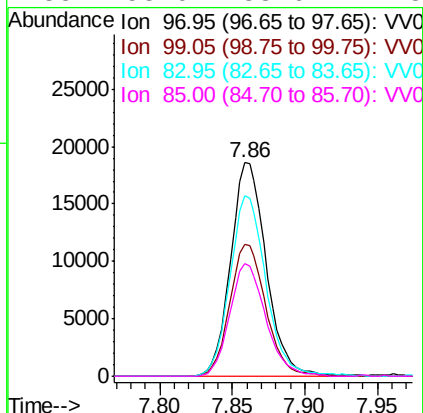
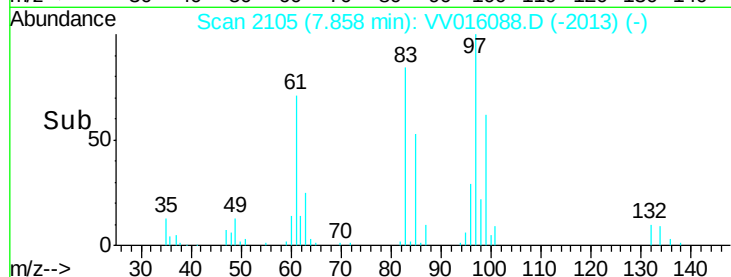
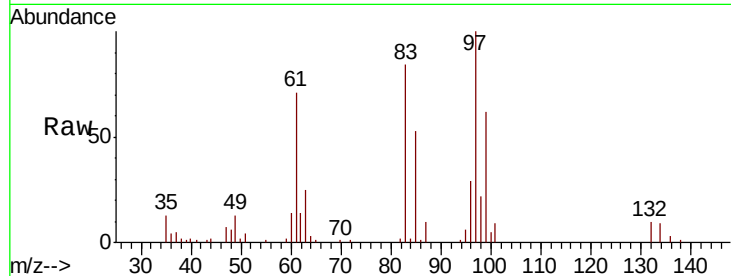




#47
 1,1,2-Trichloroethane
 Concen: 4.926 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

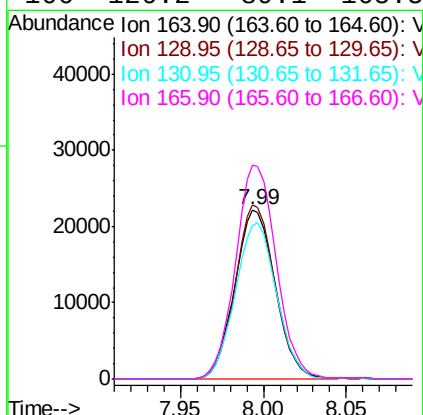
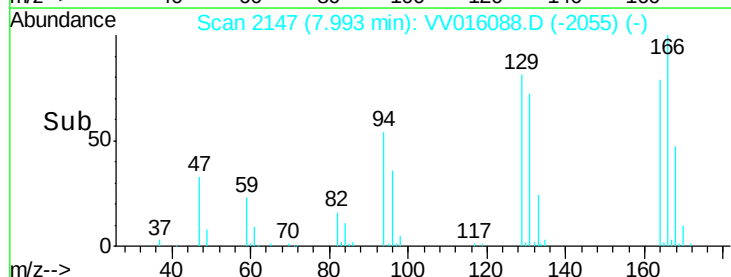
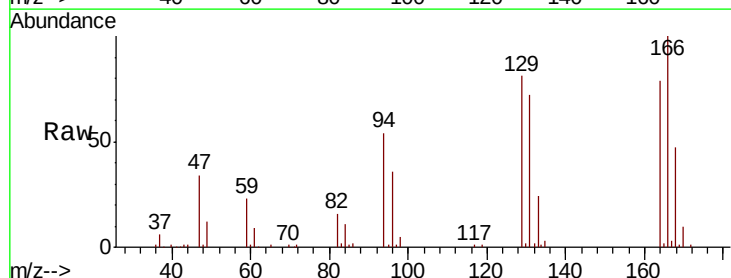
Instrument :
 MSVOA_V
 ClientSampleId :

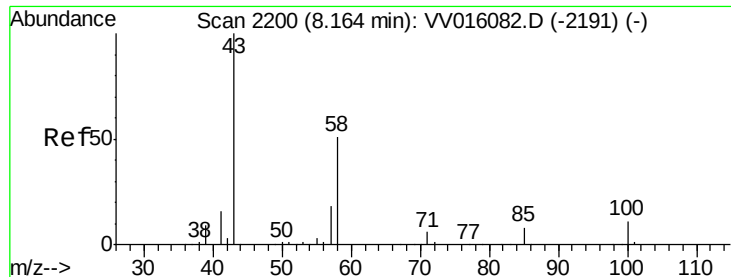
Tot Ion:	97	Resp:	31722
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.1	78.1
83	84.5	59.2	110.0
85	53.0	38.6	71.8



#49
 Tetrachloroethene
 Concen: 4.982 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion:	164	Resp:	37665
Ion	Ratio	Lower	Upper
164	100		
129	102.7	69.7	129.4
131	90.9	66.8	124.2
166	126.2	89.1	165.5

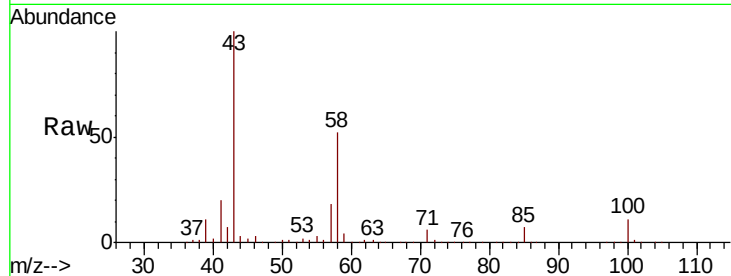




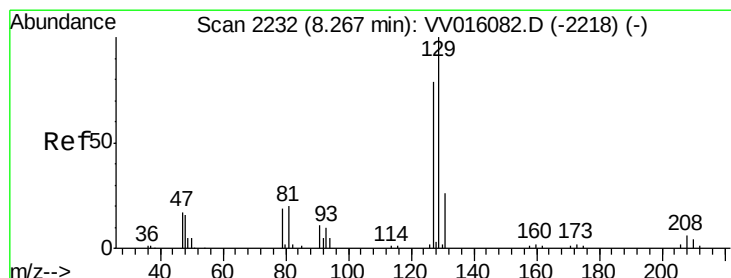
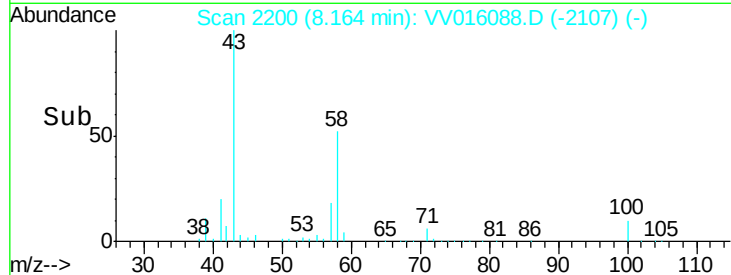
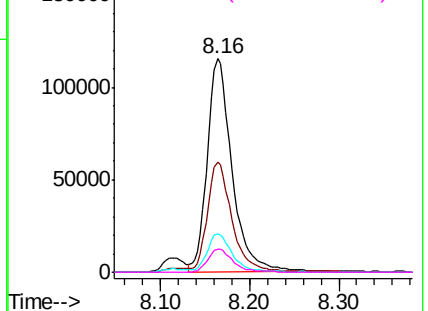
#50
2-Hexanone
Concen: 52.218 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 221964
Ion Ratio Lower Upper
43 100
58 50.6 40.8 61.2
57 18.3 14.7 22.1
100 10.9 9.0 13.6

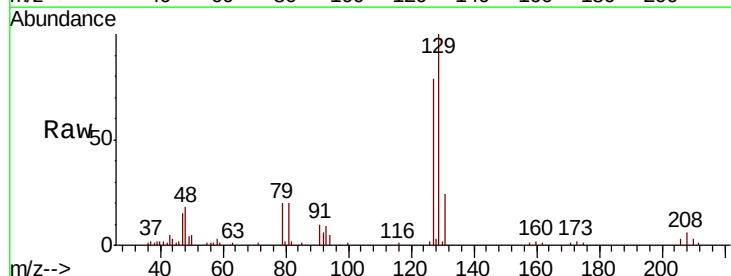


Abundance Ion 43.05 (42.75 to 43.75): VV016088.D (-2191) (-)
Ion 58.05 (57.75 to 58.75): VV016088.D (-2191) (-)
Ion 57.20 (56.90 to 57.90): VV016088.D (-2191) (-)
Ion 100.15 (99.85 to 100.85): VV016088.D (-2191) (-)

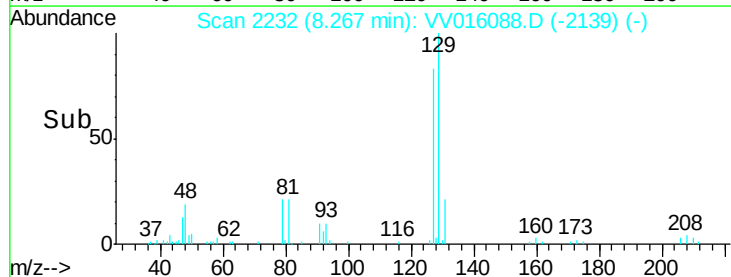
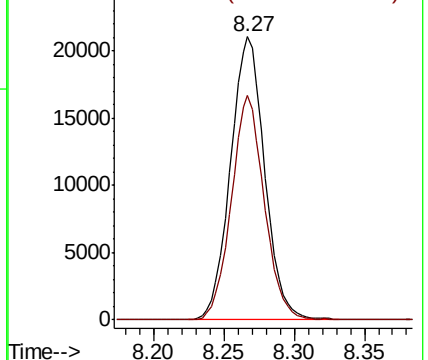


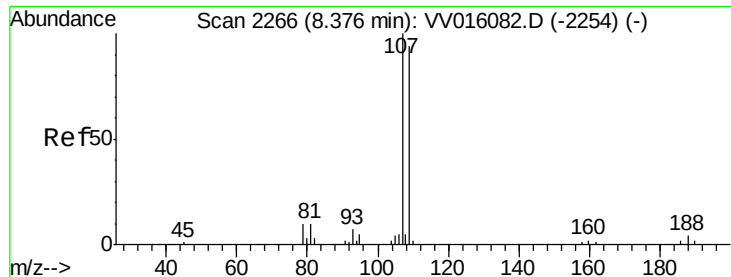
#51
Dibromochloromethane
Concen: 4.945 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion: 129 Resp: 35784
Ion Ratio Lower Upper
129 100
127 79.3 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV016088.D (-2218) (-)
Ion 126.90 (126.60 to 127.60): VV016088.D (-2218) (-)





#52

1,2-Dibromoethane

Concen: 4.977 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :
MSVOA_V
ClientSampleId :

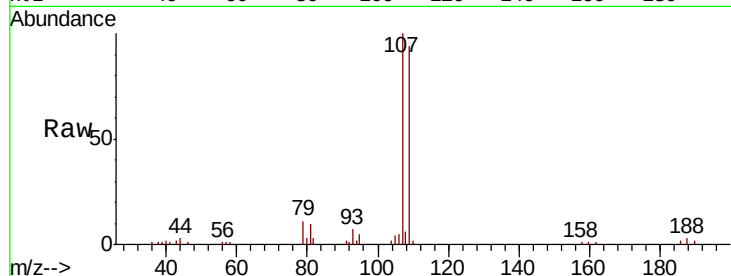
Tot Ion:107 Resp: 29726

Ion Ratio Lower Upper

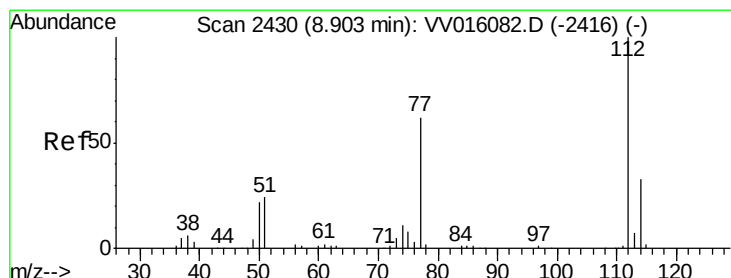
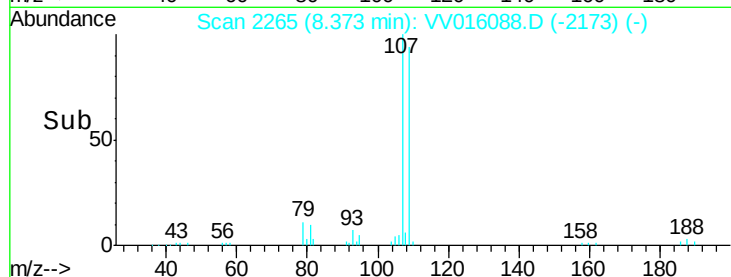
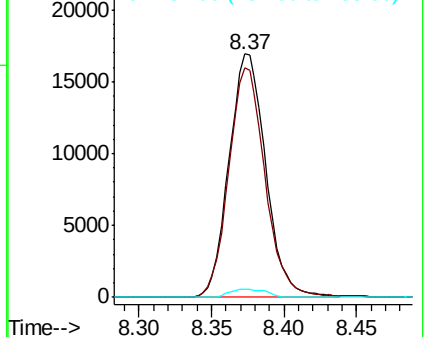
107 100

109 94.1 68.9 127.9

188 3.5 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: 5.015 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

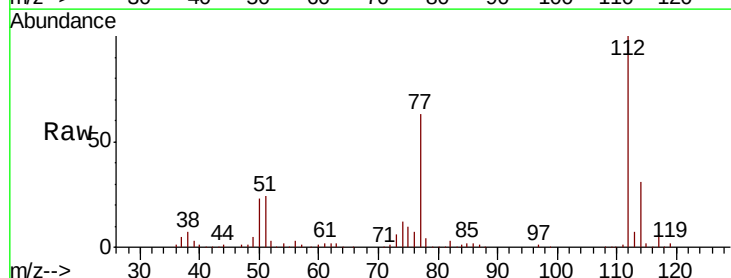
Tgt Ion:112 Resp: 129769

Ion Ratio Lower Upper

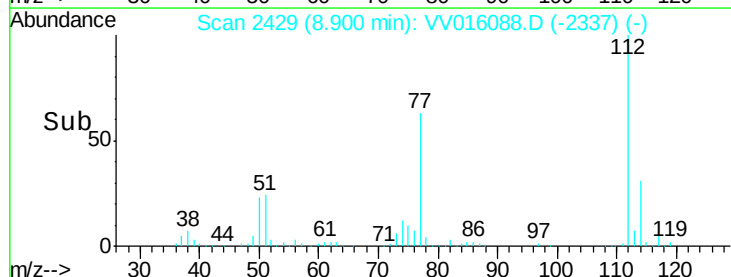
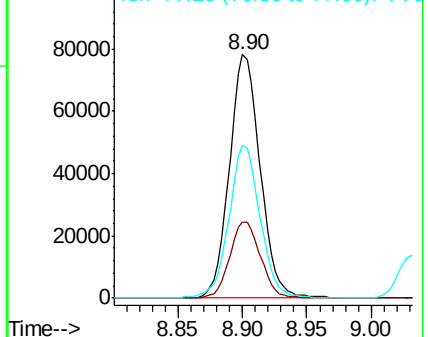
112 100

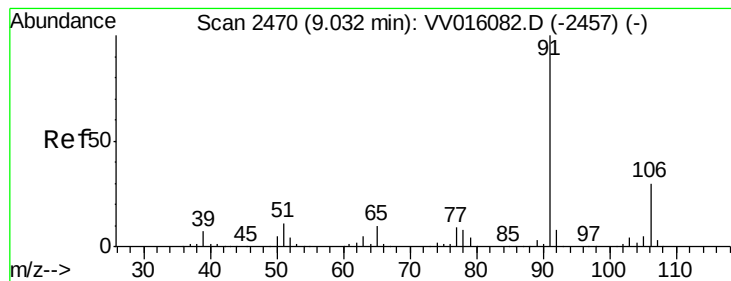
114 31.4 21.6 40.0

77 63.0 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): V





#54

Ethylbenzene

Concen: 4.968 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

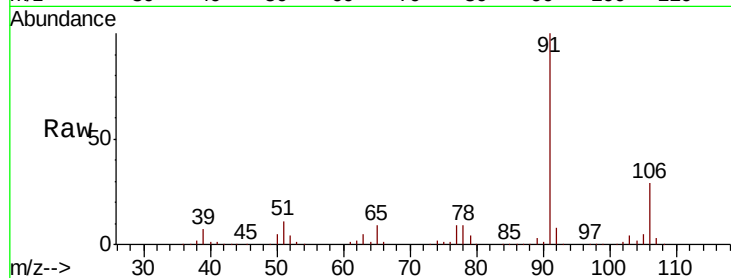
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 227270

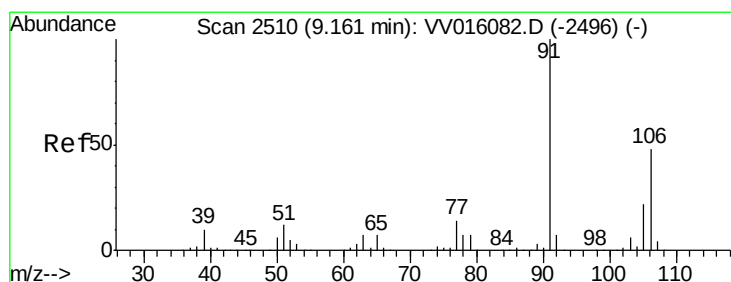
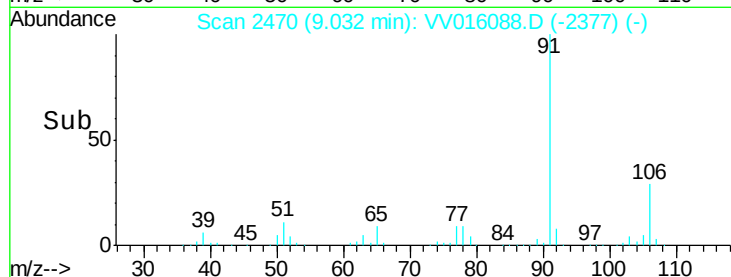
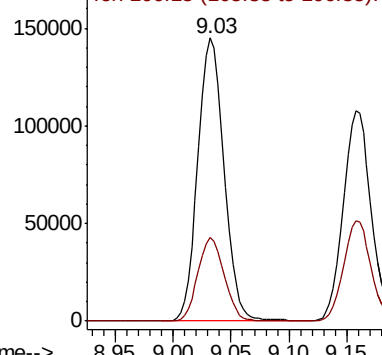
Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV016088.D (-2377) (-)



#55

m,p-xylene

Concen: 5.031 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016088.D

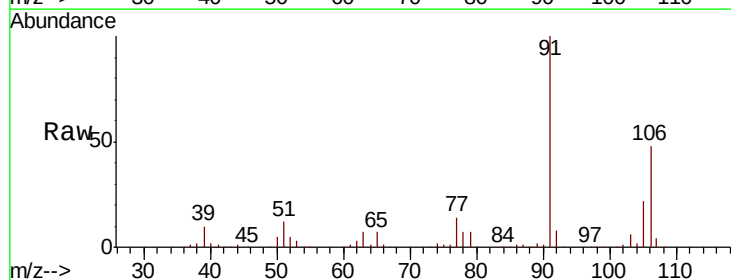
Acq: 15 May 2020 15:03

Tgt Ion: 106 Resp: 85220

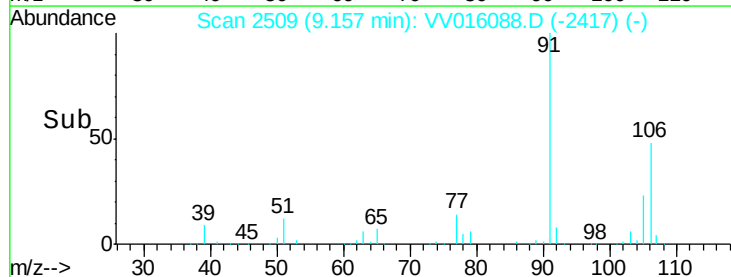
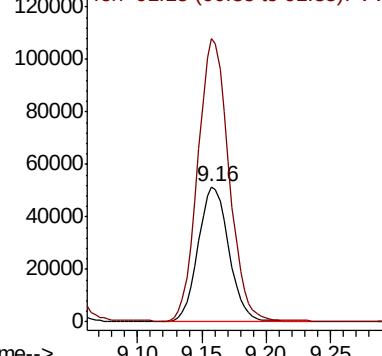
Ion Ratio Lower Upper

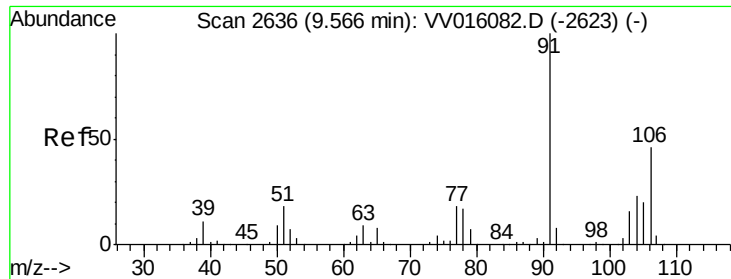
106 100

91 209.2 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV016088.D (-2417) (-)

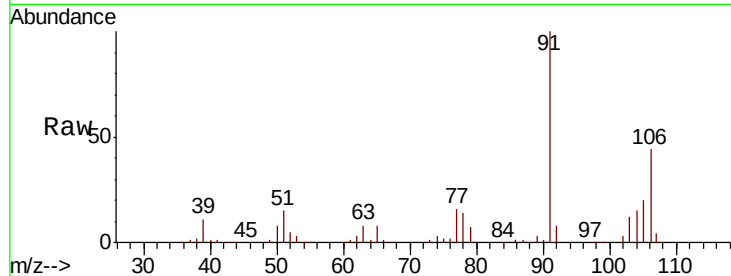




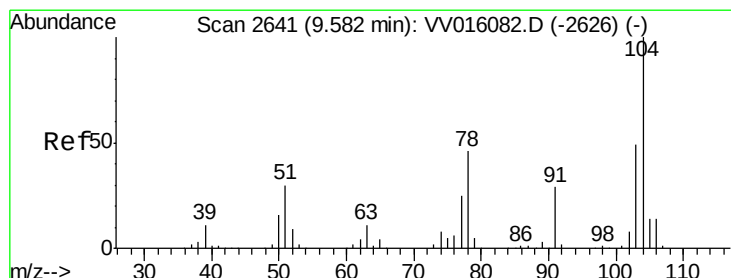
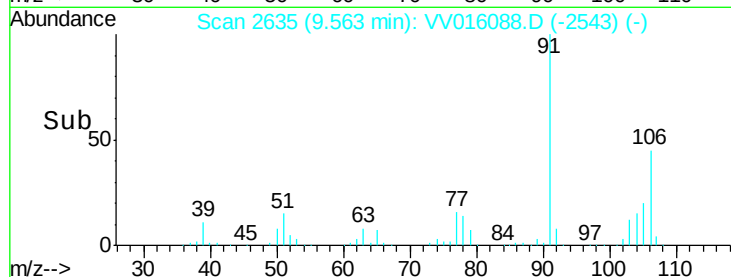
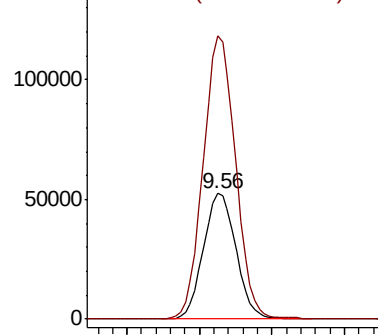
#56
o-xylene
Concen: 5.070 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 82106
Ion Ratio Lower Upper
106 100
91 225.0 159.7 296.5

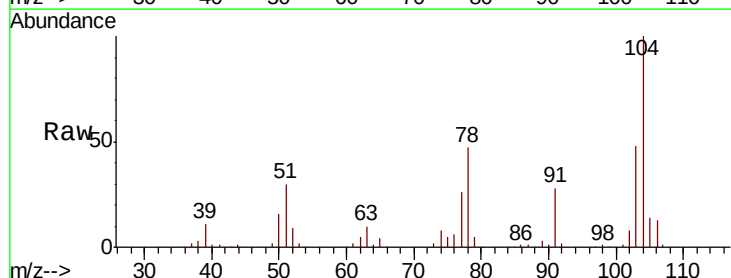


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

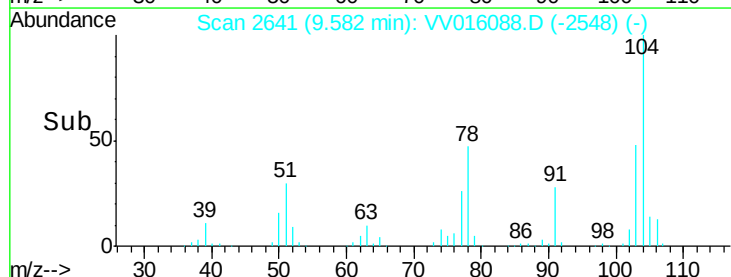
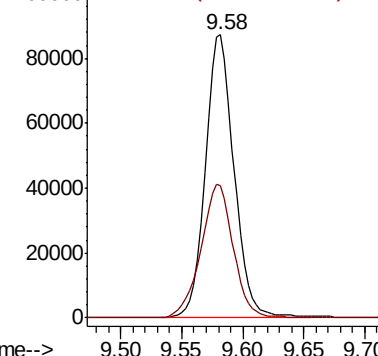


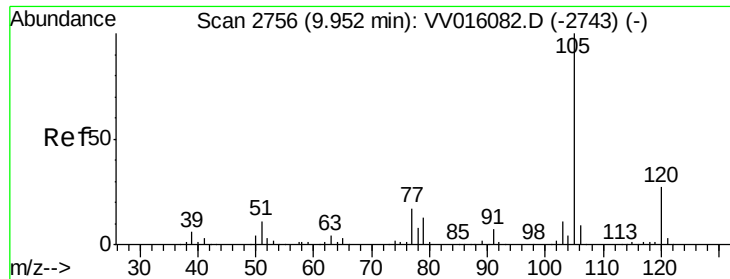
#57
Styrene
Concen: 5.257 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016088.D
Acq: 15 May 2020 15:03

Tgt Ion:104 Resp: 142410
Ion Ratio Lower Upper
104 100
78 46.6 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: 5.007 ug/L

RT: 9.95 min Scan# 2756

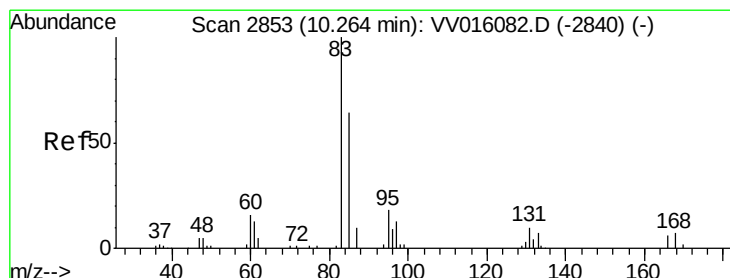
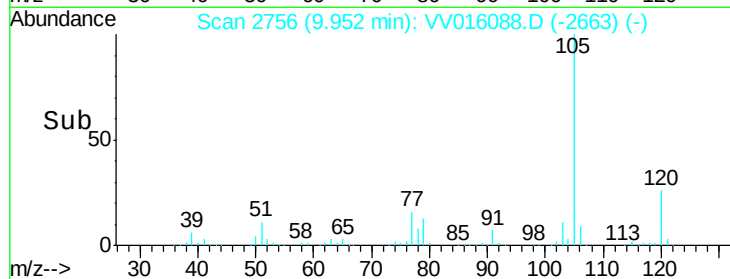
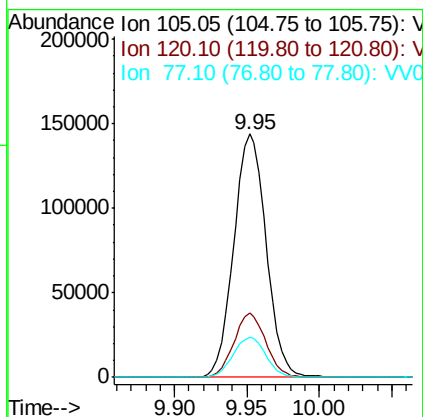
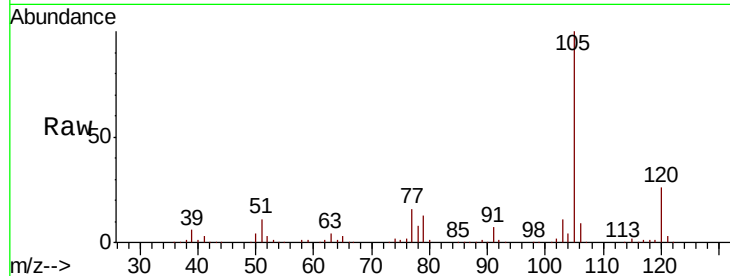
Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	222797
Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.8	31.2
77	16.7	14.1	21.1



#60

1,1,2,2-Tetrachloroethane

Concen: 5.616 ug/L

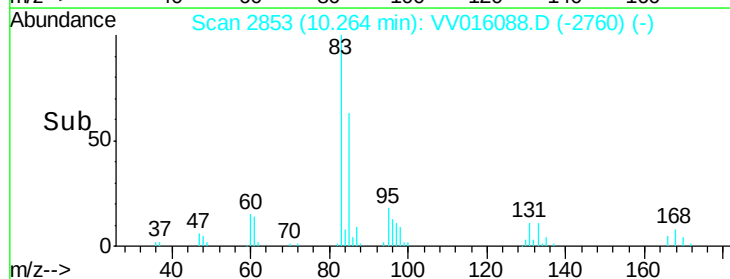
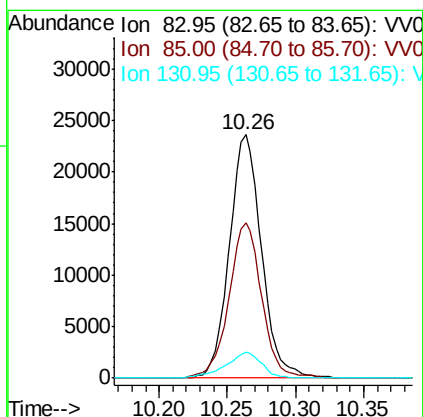
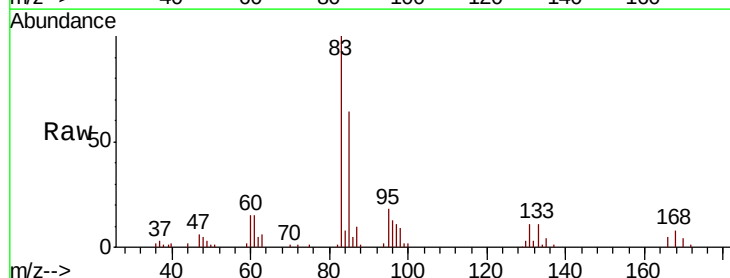
RT: 10.26 min Scan# 2853

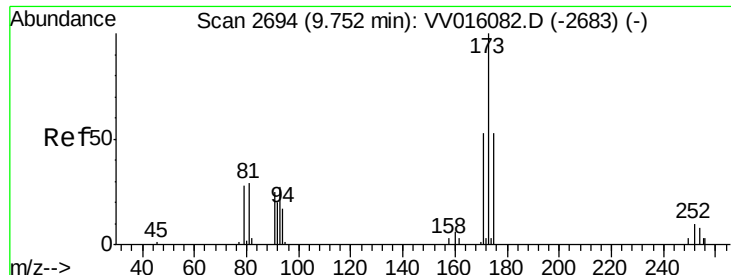
Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Tgt Ion:	83	Resp:	38646
Ion	Ratio	Lower	Upper
83	100		
85	63.6	44.0	81.6
131	10.6	7.7	11.5





#62

Bromoform

Concen: 4.769 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :
MSVOA_V
ClientSampled :

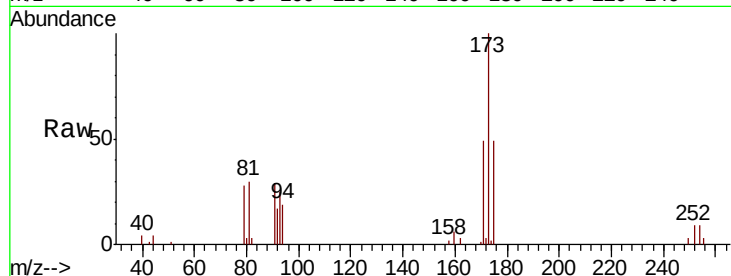
Tot Ion:173 Resp: 16871

Ion Ratio Lower Upper

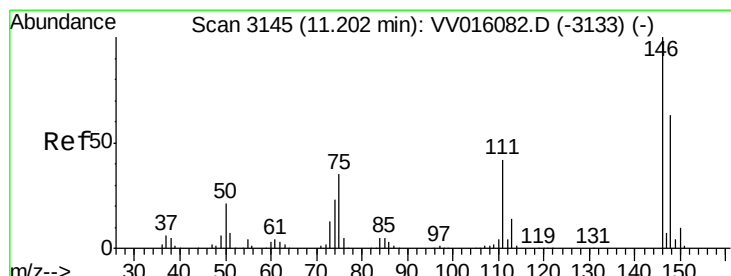
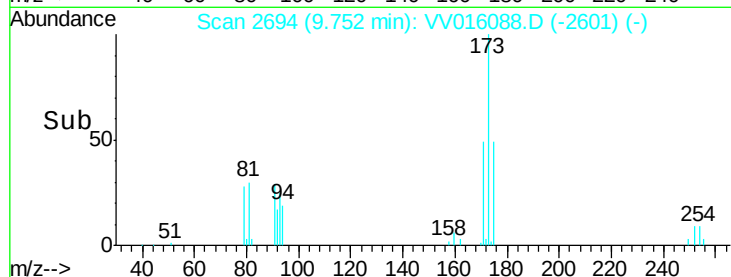
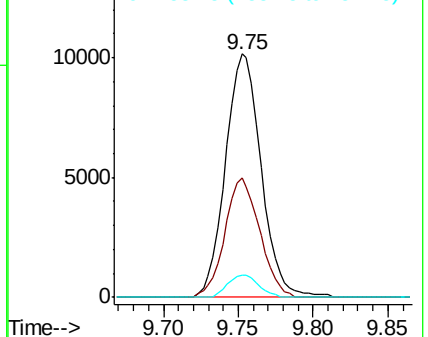
173 100

175 47.7 39.8 59.8

254 7.9 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: 4.925 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

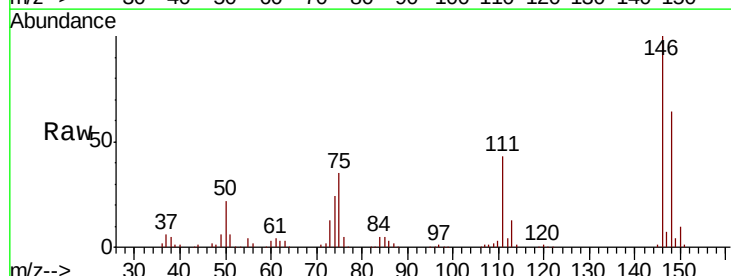
Tgt Ion:146 Resp: 102165

Ion Ratio Lower Upper

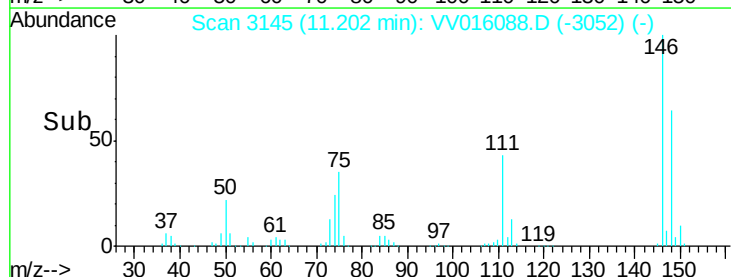
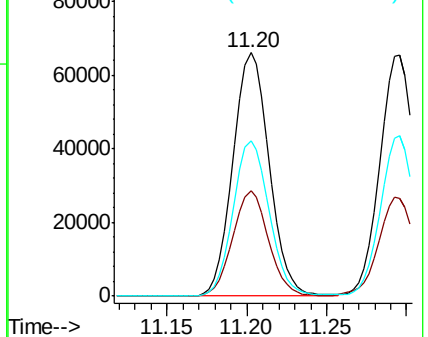
146 100

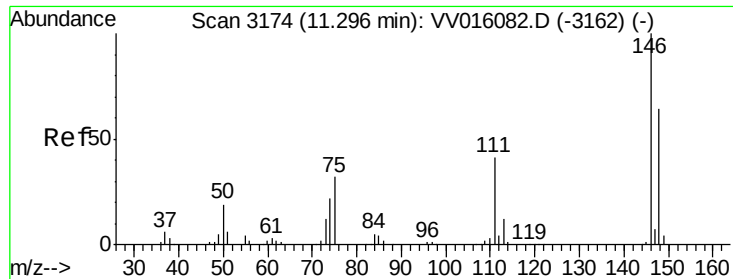
111 43.1 28.7 53.3

148 63.8 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

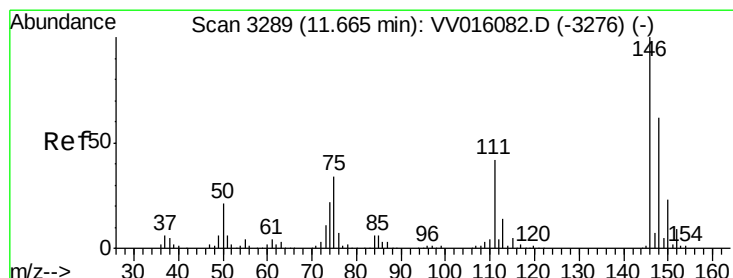
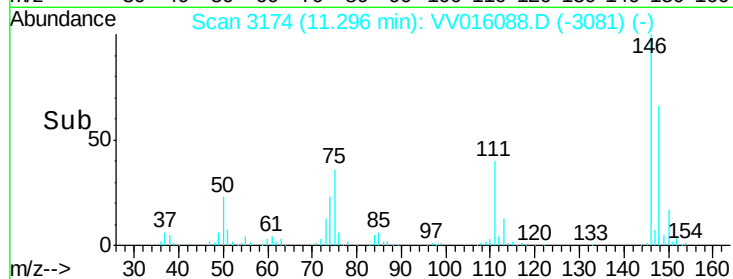
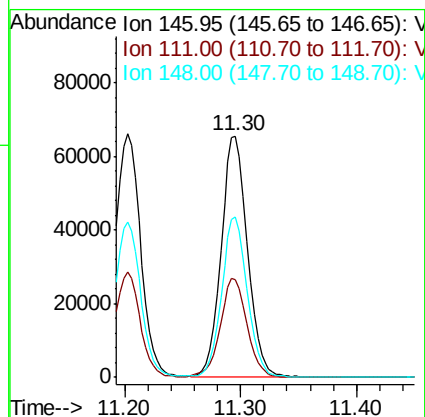
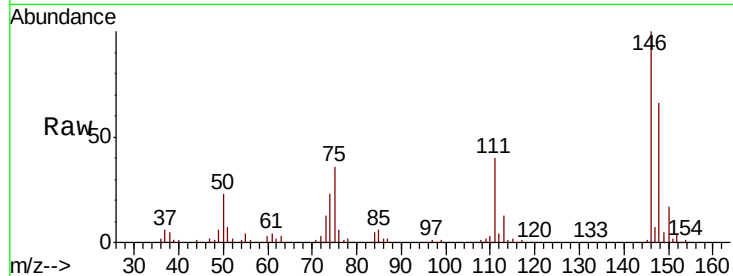




#64
 1,4-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

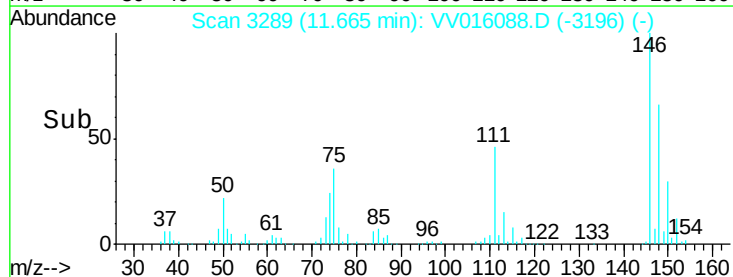
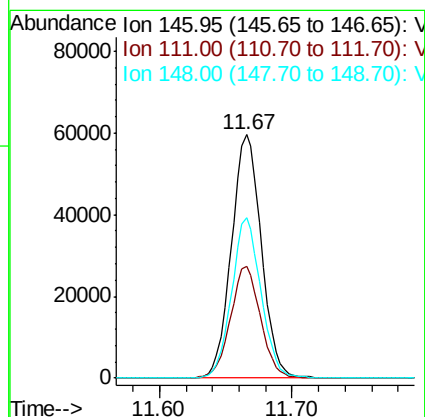
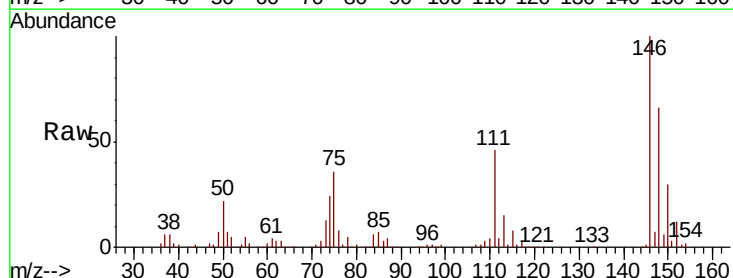
Instrument :
 MSVOA_V
 ClientSampleId :

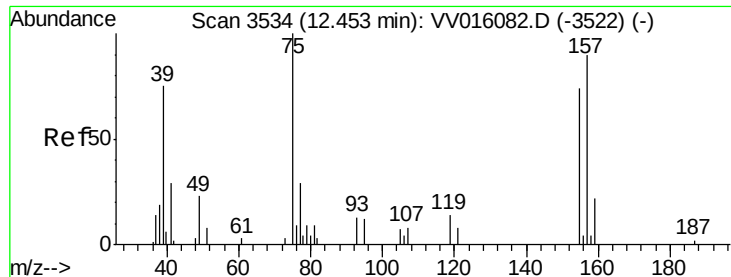
Tot Ion:146 Resp: 103971
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.9 53.7
 148 66.4 44.6 82.8



#66
 1,2-Dichlorobenzene
 Concen: 4.977 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion:146 Resp: 93440
 Ion Ratio Lower Upper
 146 100
 111 46.0 37.0 55.4
 148 65.8 49.8 74.6





#67

1,2-Dibromo-3-chloropropane

Concen: 5.286 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Instrument :

MSVOA_V

ClientSampleId :

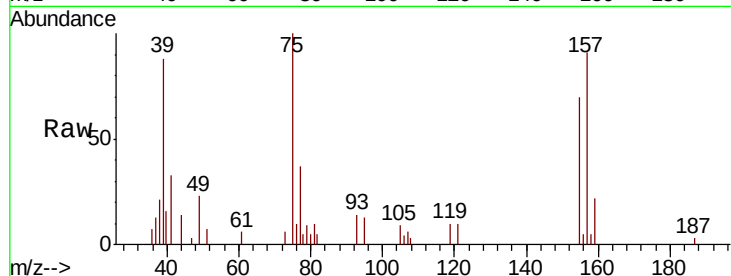
Tot Ion: 75 Resp: 6478

Ion Ratio Lower Upper

75 100

155 70.4 58.2 87.4

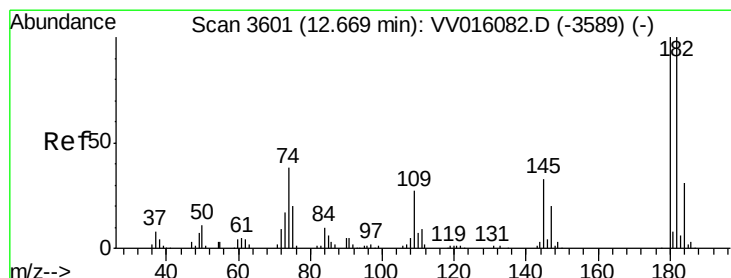
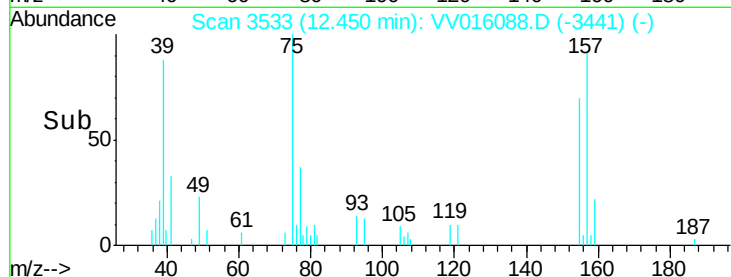
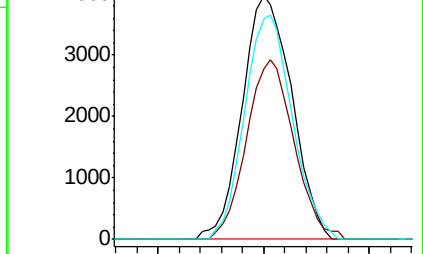
157 90.8 79.4 119.2



Abundance Ion 75.05 (74.75 to 75.75): VV016088.D (-3522) (-)

Ion 154.95 (154.65 to 155.65): VV016088.D (-3522) (-)

Ion 156.90 (156.60 to 157.60): VV016088.D (-3522) (-)



#68

1,3,5-Trichlorobenzene

Concen: 4.742 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV016088.D

Acq: 15 May 2020 15:03

Tgt Ion: 180 Resp: 71921

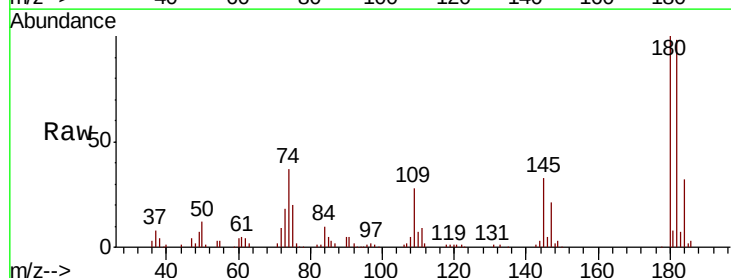
Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

184 30.2 24.6 36.8

145 31.7 26.0 39.0

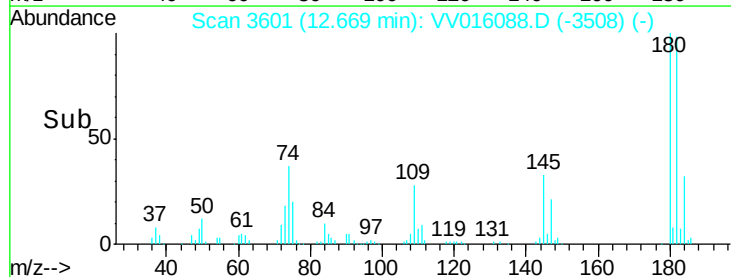
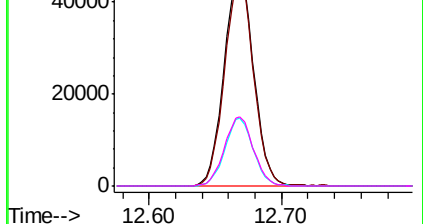


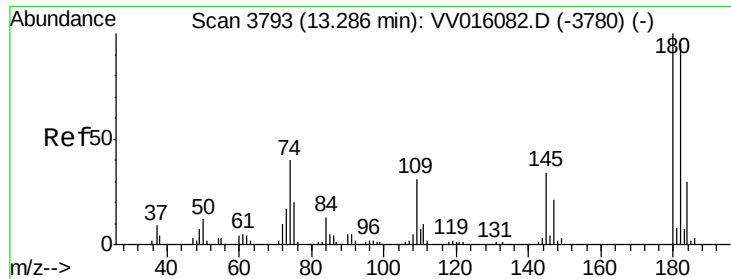
Abundance Ion 180.00 (179.70 to 180.70): VV016088.D (-3589) (-)

Ion 182.00 (181.70 to 182.70): VV016088.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV016088.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV016088.D (-3589) (-)

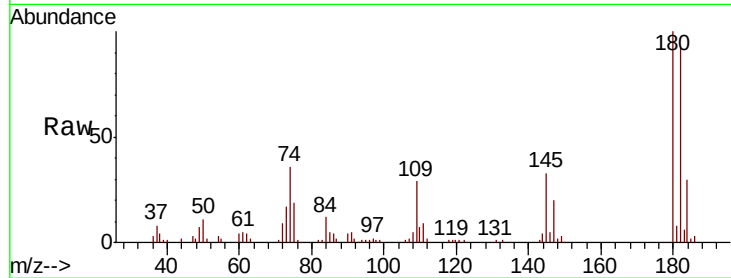




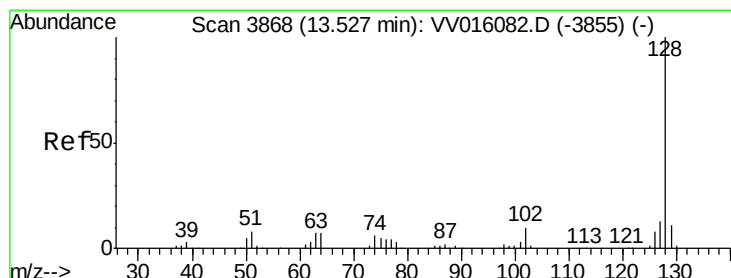
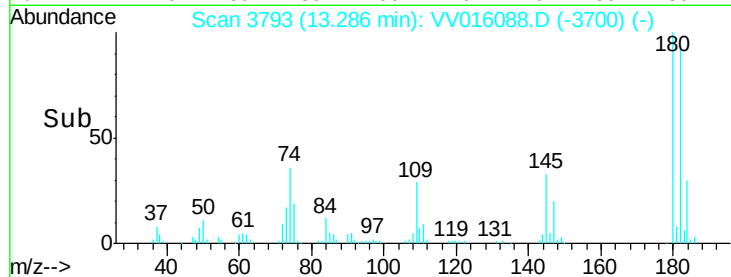
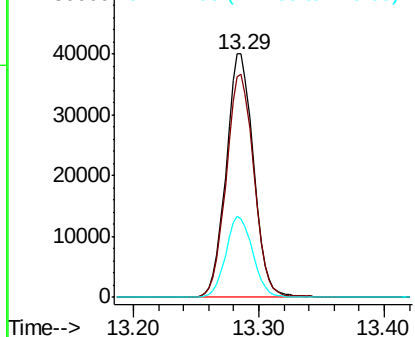
#69
 1,2,4-trichlorobenzene
 Concen: 4.649 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 60591
 Ion Ratio Lower Upper
 180 100
 182 92.7 76.7 115.1
 145 32.7 26.4 39.6

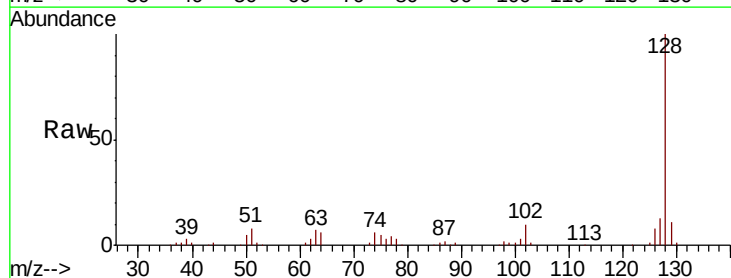


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

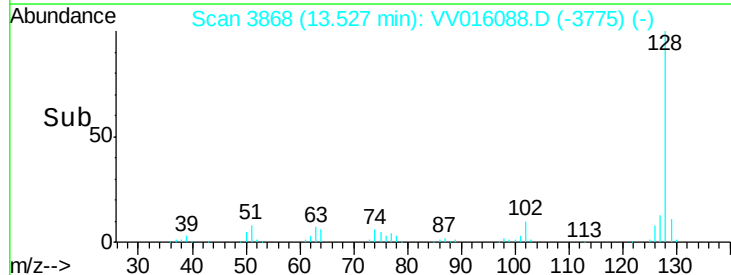
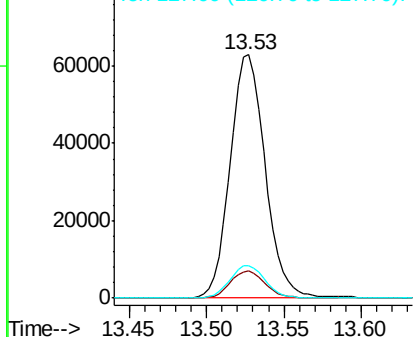


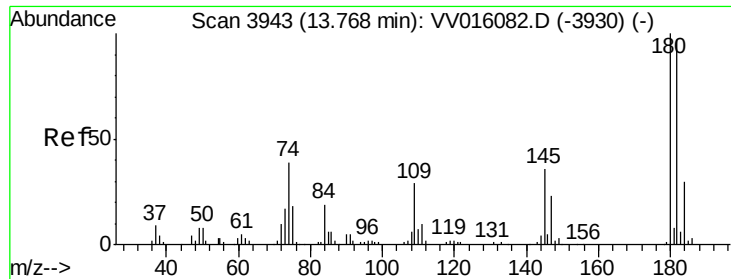
#70
 Naphthalene
 Concen: 4.765 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Tgt Ion:128 Resp: 98768
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.5 12.7
 127 13.6 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

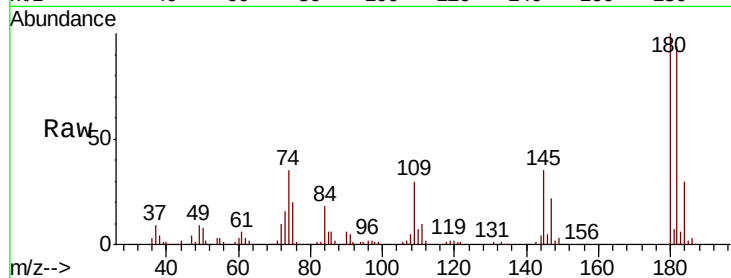




#71
 1,2,3-Trichlorobenzene
 Concen: 4.811 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016088.D
 Acq: 15 May 2020 15:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 55318
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.0 115.6
 145 34.8 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

