

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016263.D
 Acq On : 28 May 2020 05:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 06:39:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 06:30:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	92067	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89693	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	44472	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30528	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	27244	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.13	63	59777	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.60%
20) 2-Butanone-d5	3.94	46	84464	57.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.18%
24) Chloroform-d	4.38	84	60538	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.06	65	33315	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.08	84	115949	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.10	67	35716	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.34	98	111806	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
45) trans-1,3-Dichloropropene-	7.64	79	13142	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
48) 2-Hexanone-d5	8.12	63	61871	52.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26307	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	38678	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	46295	5.712	ug/L 97
3) Chloromethane	1.25	50	45750	5.164	ug/L 98
5) Vinyl chloride	1.32	62	44050	5.463	ug/L 97
6) Bromomethane	1.53	94	15330	3.380	ug/L 100
8) Chloroethane	1.60	64	28430	6.311	ug/L 96
9) Trichlorofluoromethane	1.77	101	59265	5.685	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32470	5.715	ug/L 99
12) 1,1-Dichloroethene	2.14	96	30878	5.686	ug/L 87
13) Acetone	2.23	43	51894	57.158	ug/L 91
14) Carbon disulfide	2.31	76	94804	5.632	ug/L 99
15) Methyl Acetate	2.46	43	13768	5.934	ug/L 98
16) Methylene chloride	2.53	84	35418	5.689	ug/L 94
17) Methyl tert-butyl Ether	2.79	73	75456	5.643	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	32717	5.506	ug/L 96
19) 1,1-Dichloroethane	3.21	63	66778	5.916	ug/L 99
21) 2-Butanone	4.03	43	92698	57.396	ug/L 93
22) cis-1,2-Dichloroethene	3.94	96	37006	5.265	ug/L 94

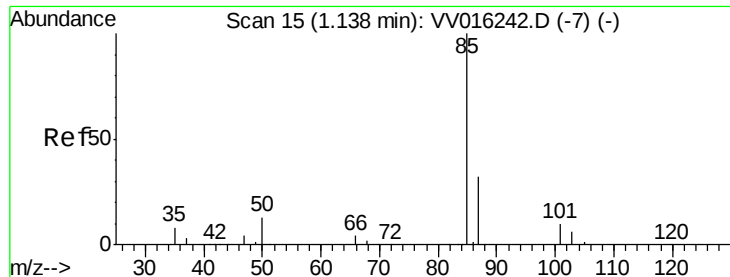
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	15089	5.656	ug/L	85
25) Chloroform	4.41	83	67706	5.667	ug/L	99
27) 1,2-Dichloroethane	5.16	62	44912	5.750	ug/L #	92
29) 1,1,1-Trichloroethane	4.63	97	58821	5.525	ug/L	100
30) Cyclohexane	4.70	56	61969	5.432	ug/L	98
31) Carbon tetrachloride	4.85	117	49151	5.449	ug/L	98
33) Benzene	5.13	78	143244	5.550	ug/L	100
34) Trichloroethene	5.94	95	37332	5.552	ug/L	96
35) Methylcyclohexane	6.15	83	60618	5.345	ug/L	99
37) 1,2-Dichloropropane	6.20	63	35012	5.531	ug/L	99
38) Bromodichloromethane	6.53	83	43284	5.557	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	47778	5.329	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	228304	57.967	ug/L	98
42) Toluene	7.41	91	155613	5.528	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	143390	5.596	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	146163	5.538	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	38586	5.180	ug/L	95
47) 1,1,2-Trichloroethane	7.86	97	23914	5.744	ug/L	96
49) Tetrachloroethene	8.00	164	26184	5.424	ug/L	94
50) 2-Hexanone	8.16	43	160202	58.326	ug/L	100
51) Dibromochloromethane	8.27	129	25192	5.712	ug/L	99
52) 1,2-Dibromoethane	8.38	107	21807	5.574	ug/L	93
53) Chlorobenzene	8.90	112	96476	5.547	ug/L	97
54) Ethylbenzene	9.03	91	175688	5.600	ug/L	99
55) m,p-xylene	9.16	106	67108	5.704	ug/L	100
56) o-xylene	9.57	106	62426	5.568	ug/L	99
57) Styrene	9.58	104	106885	5.729	ug/L	99
58) Isopropylbenzene	9.95	105	173566	5.652	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	29085	5.619	ug/L	97
62) Bromoform	9.75	173	11351	5.935	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	74160	5.464	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	75128	5.447	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	68228	5.562	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	4466	5.390	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	52487	5.465	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	45183	5.357	ug/L	98
70) Naphthalene	13.53	128	83342	4.523	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	40715	5.353	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.712 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

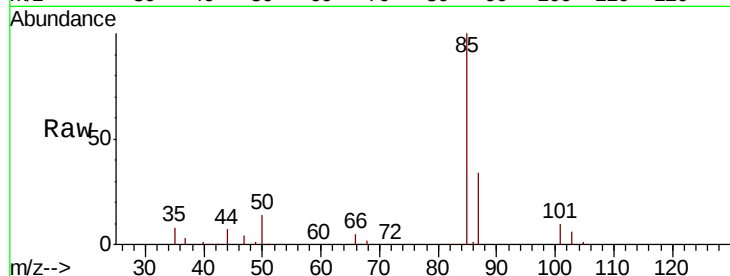
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 46295

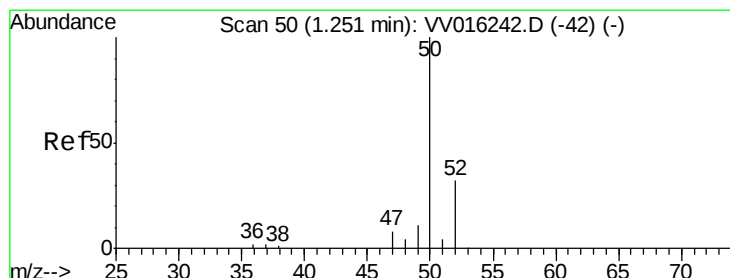
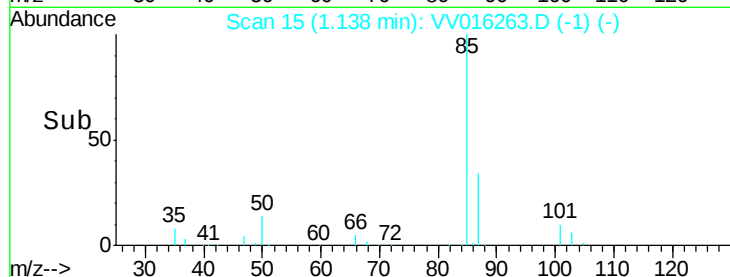
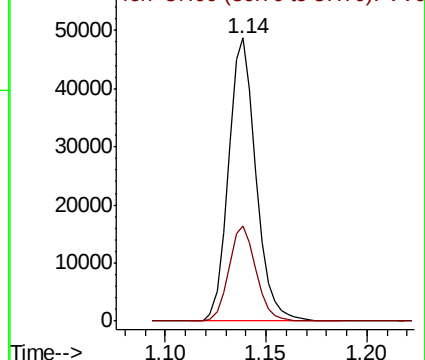
Ion Ratio Lower Upper

85 100

87 33.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.164 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV016263.D

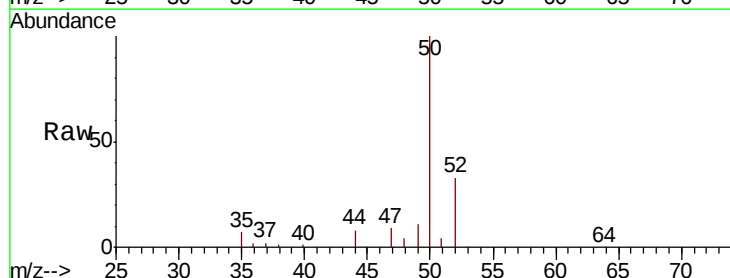
Acq: 28 May 2020 05:49

Tgt Ion: 50 Resp: 45750

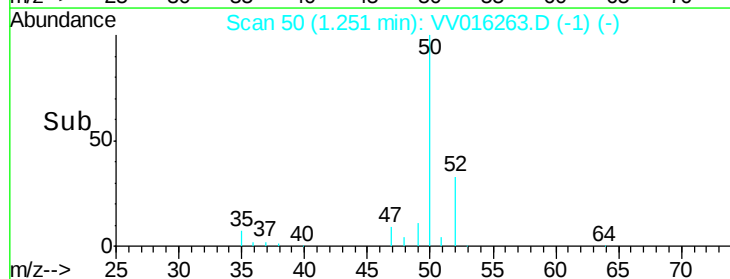
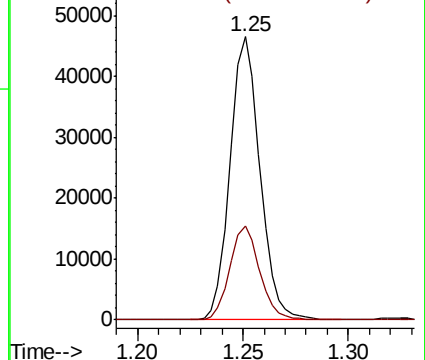
Ion Ratio Lower Upper

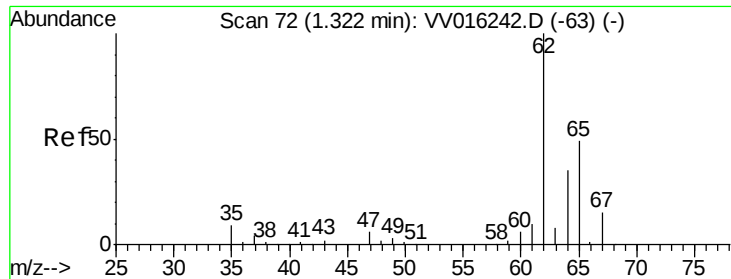
50 100

52 33.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.463 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

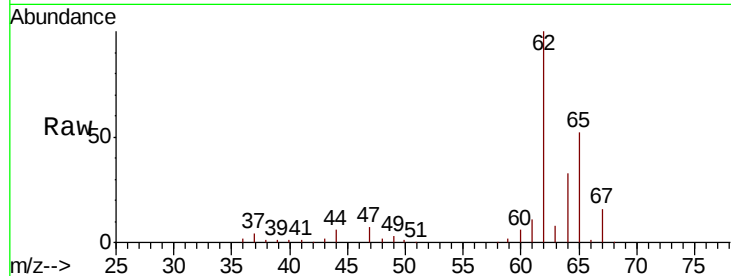
ClientSampled :

Tot Ion: 62 Resp: 44050

Ion Ratio Lower Upper

62 100

64 33.2 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

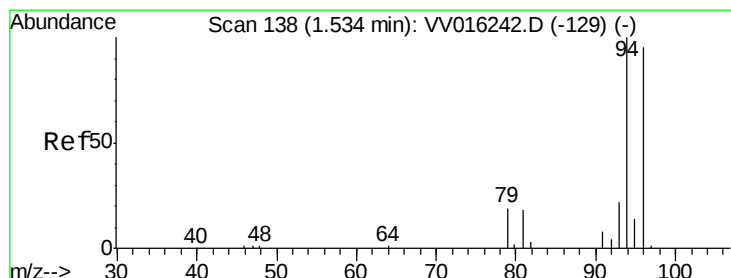
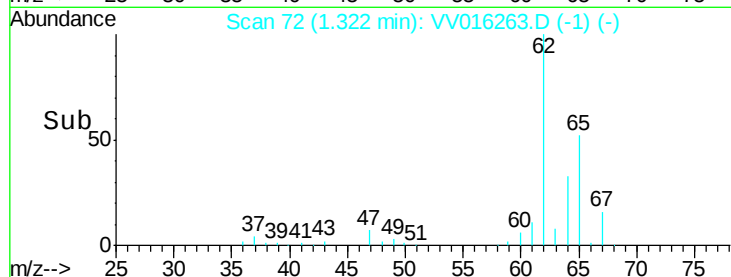
30000

20000

10000

0

Time--> 1.30 1.35



#6

Bromomethane

Concen: 3.380 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016263.D

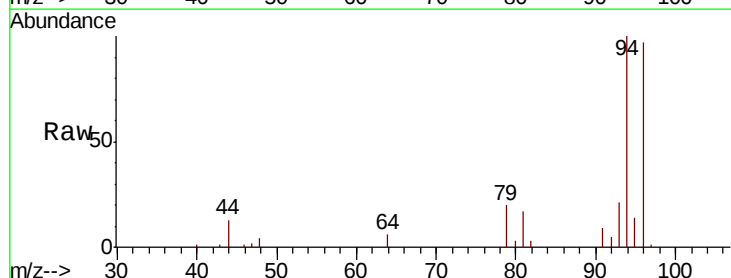
Acq: 28 May 2020 05:49

Tgt Ion: 94 Resp: 15330

Ion Ratio Lower Upper

94 100

96 97.2 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

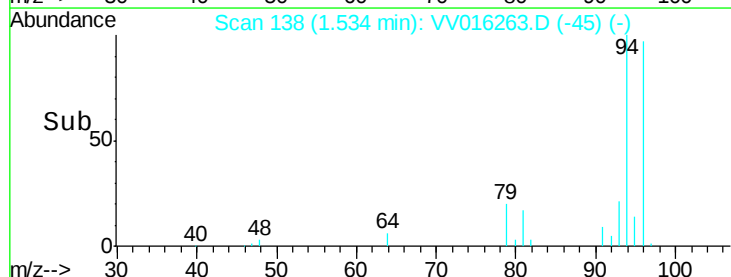
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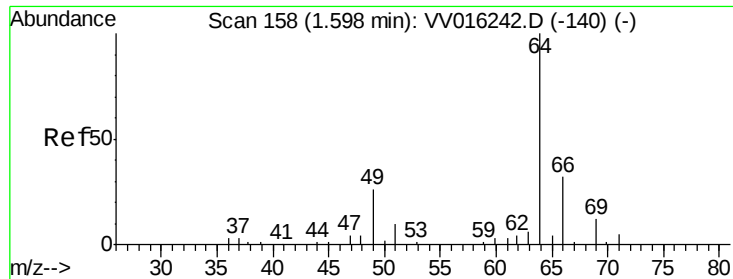
10000

5000

0

Time--> 1.50 1.55 1.60

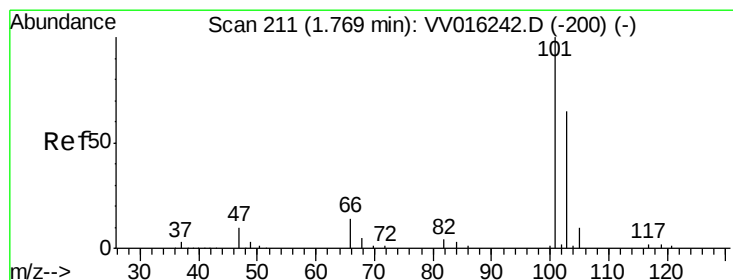
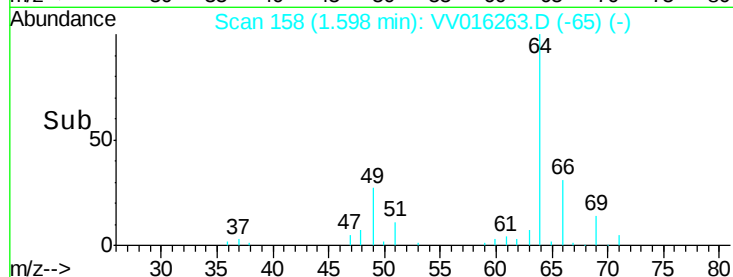
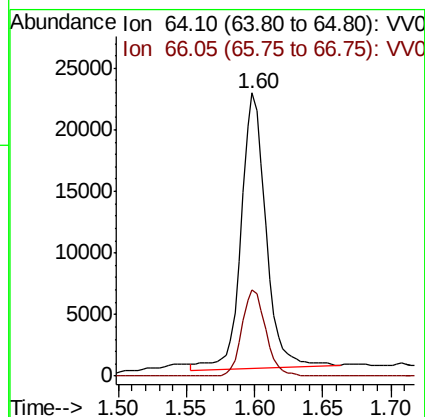
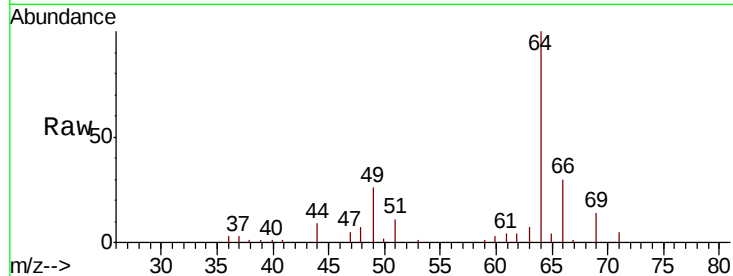




#8
Chloroethane
Concen: 6.311 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

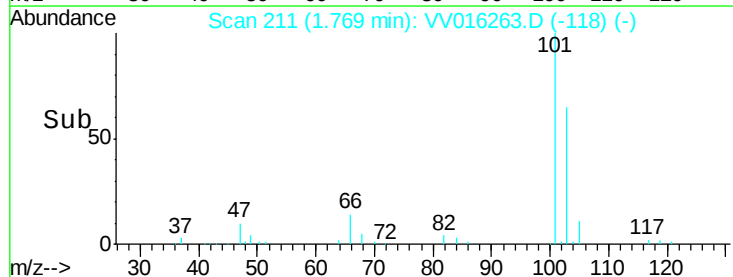
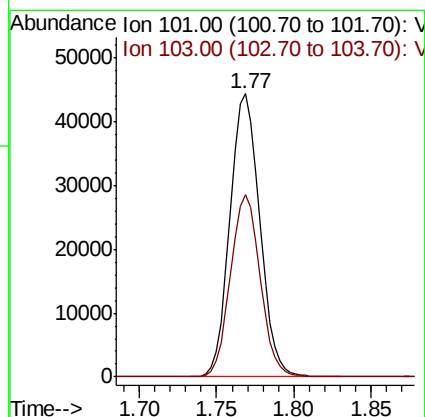
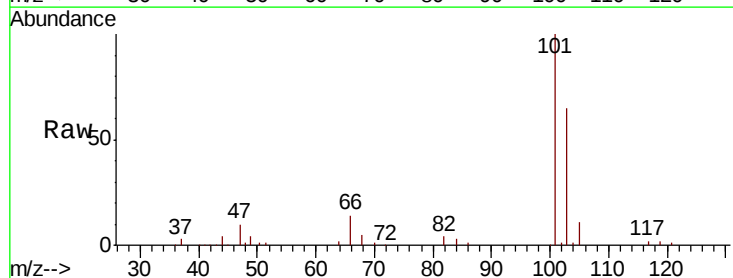
Instrument :
MSVOA_V
ClientSampleId :

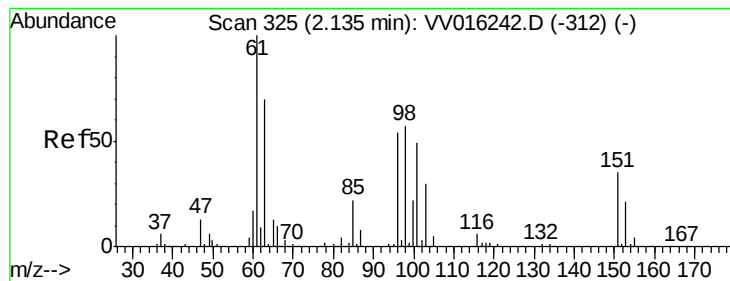
Tot Ion: 64 Resp: 28430
Ion Ratio Lower Upper
64 100
66 30.4 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.685 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Tgt Ion:101 Resp: 59265
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9





#10

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

Concen: 5.715 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

ClientSampled :

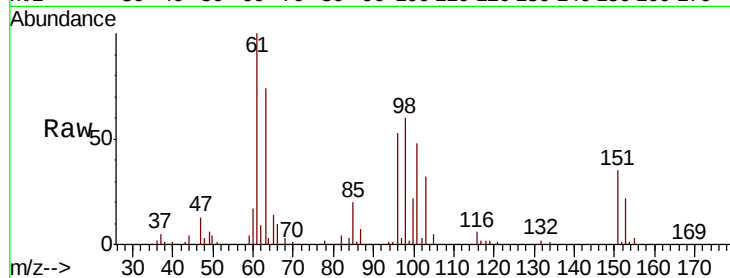
Tot Ion:101 Resp: 32470

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.6

151 71.9 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV016242.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016242.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016242.D (-312) (-)

Time-->

2.05 2.10 2.15 2.20

2.14

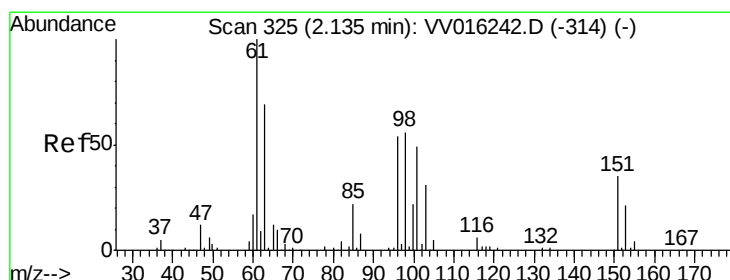
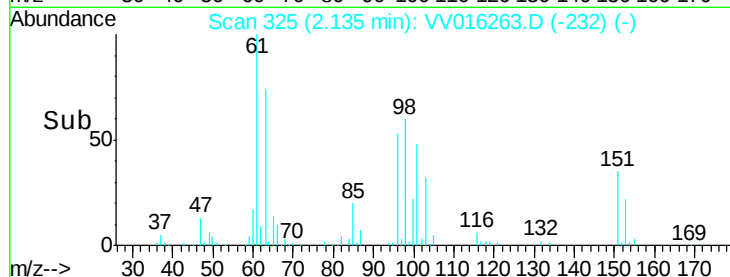
20000

15000

10000

5000

0



#12

1,1-Dichloroethene

Concen: 5.686 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

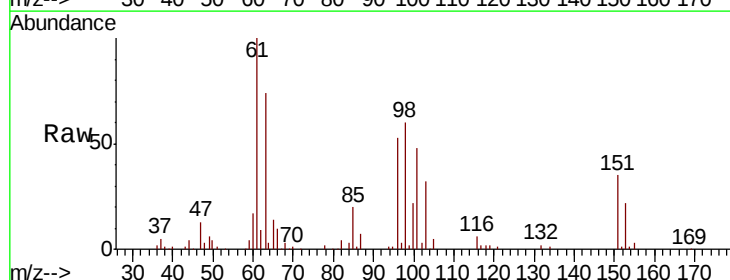
Tgt Ion: 96 Resp: 30878

Ion Ratio Lower Upper

96 100

61 187.8 124.9 231.9

63 139.1 80.4 149.2



Abundance Ion 96.00 (95.70 to 96.70): VV016242.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV016242.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV016242.D (-314) (-)

Time-->

2.10 2.15 2.20

2.14

50000

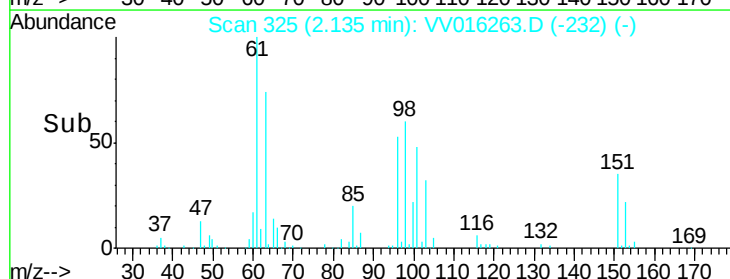
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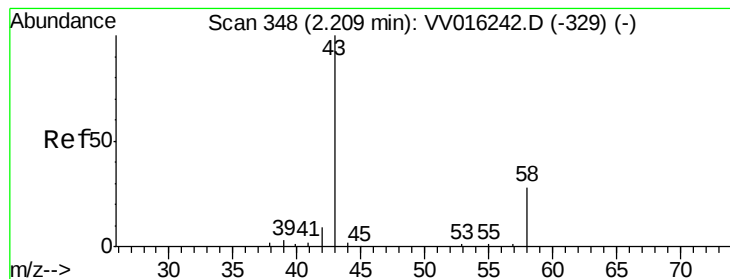
30000

20000

10000

0





#13

Acetone

Concen: 57.158 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.02 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

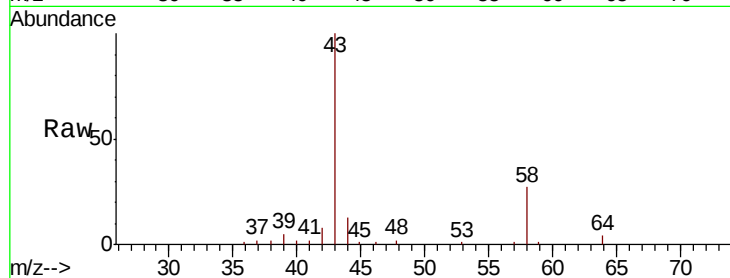
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 51894

Ion Ratio Lower Upper

43 100

58 28.9 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV016242.D (-329) (-)

Ion 58.05 (57.75 to 58.75): VV016242.D (-329) (-)

2.23

15000

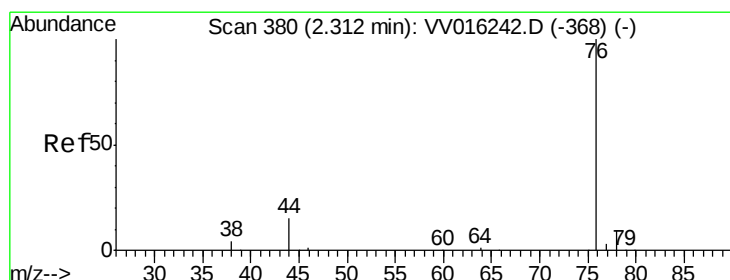
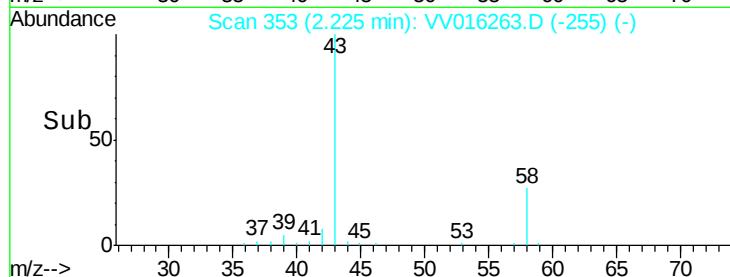
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.632 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016263.D

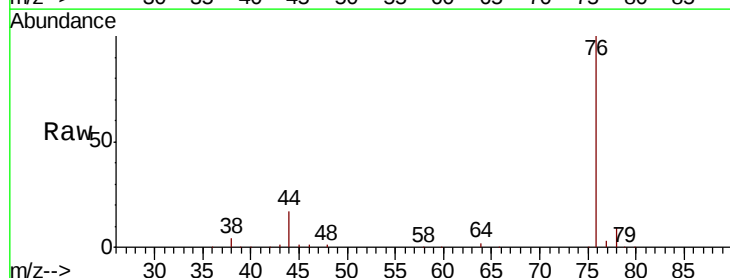
Acq: 28 May 2020 05:49

Tgt Ion: 76 Resp: 94804

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV016242.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV016242.D (-368) (-)

2.31

60000

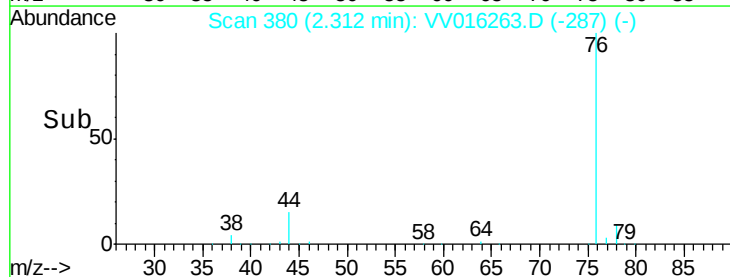
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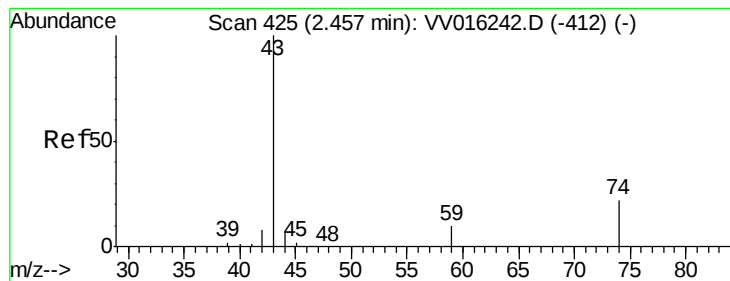
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 5.934 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

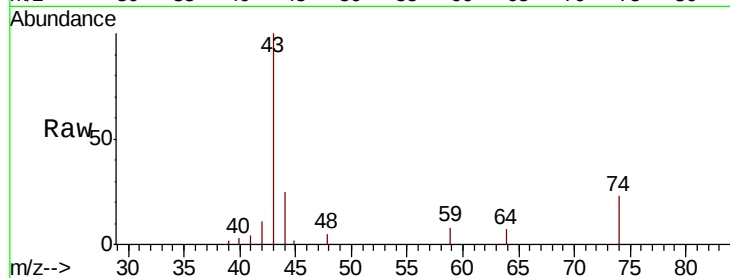
ClientSampleId :

Tot Ion: 43 Resp: 13768

Ion Ratio Lower Upper

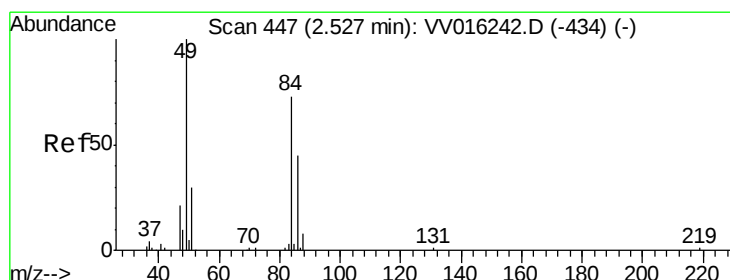
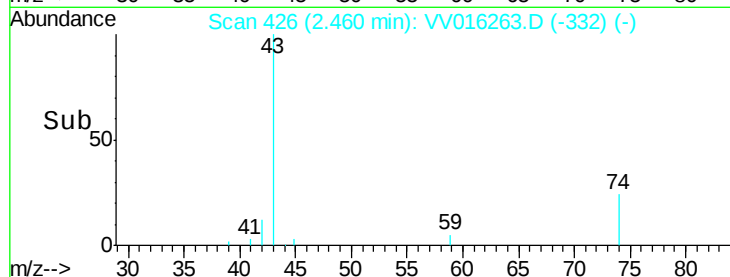
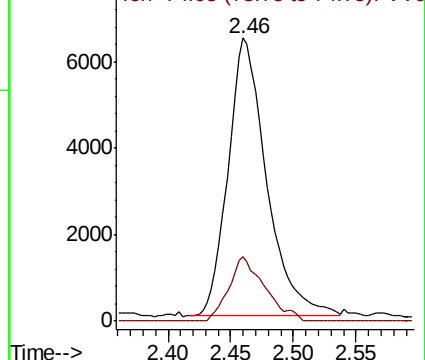
43 100

74 21.6 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.689 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

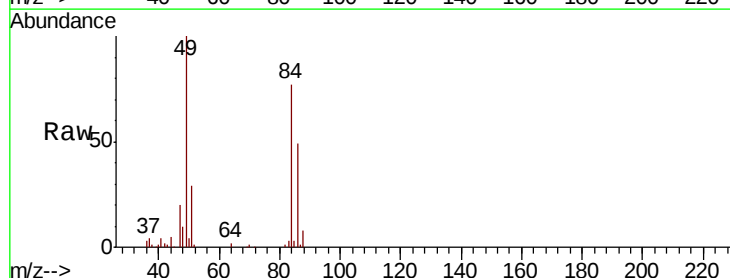
Tgt Ion: 84 Resp: 35418

Ion Ratio Lower Upper

84 100

86 62.8 44.9 83.5

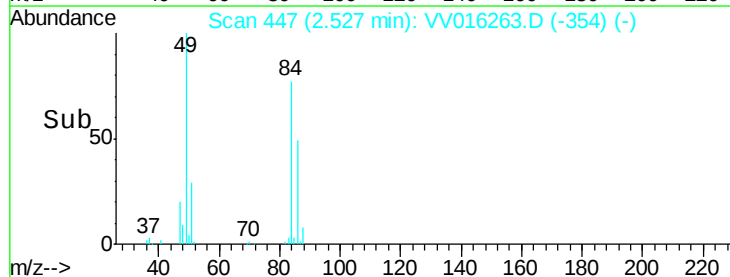
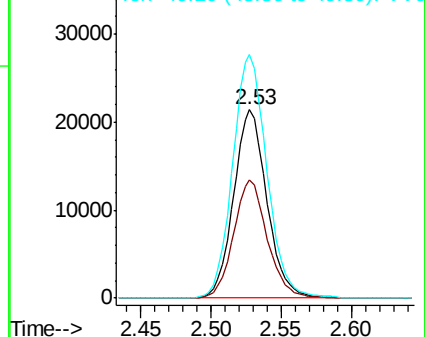
49 129.3 96.7 179.7

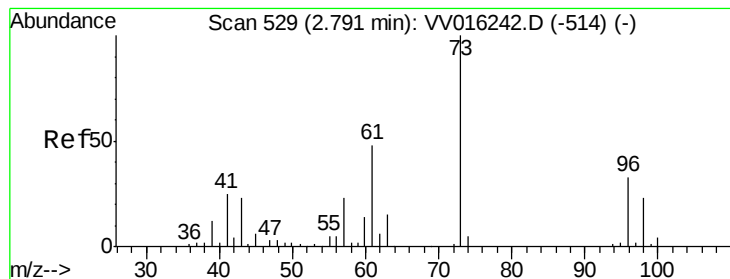


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



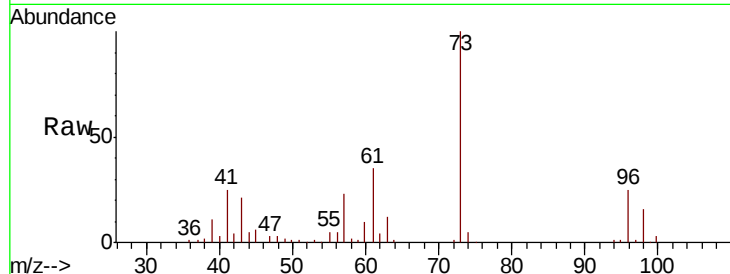


#17

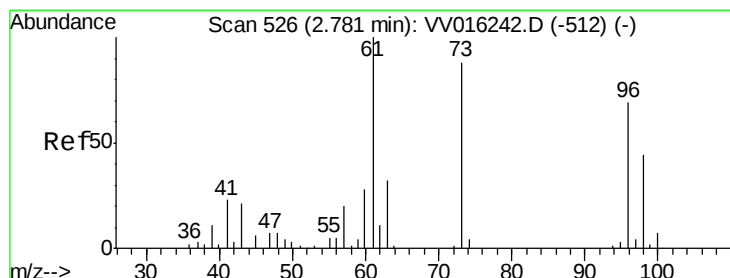
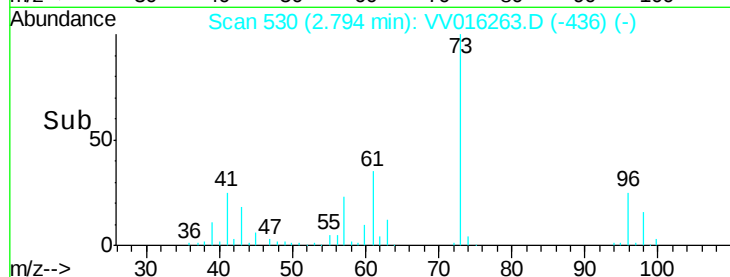
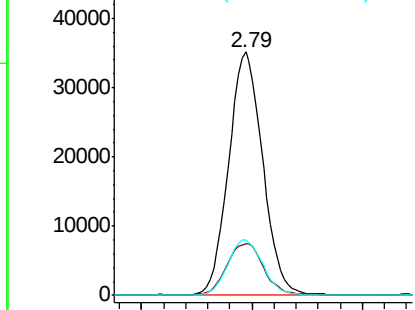
Methvl tert-butvl Ether
 Concen: 5.643 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 75456
 Ion Ratio Lower Upper
 73 100
 43 23.7 17.8 26.8
 57 23.3 18.9 28.3



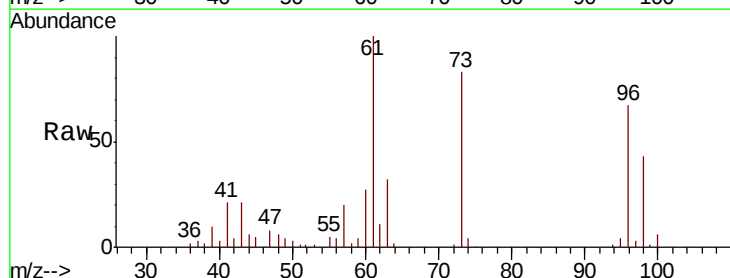
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



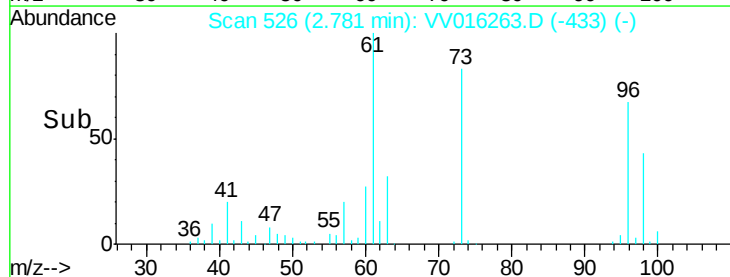
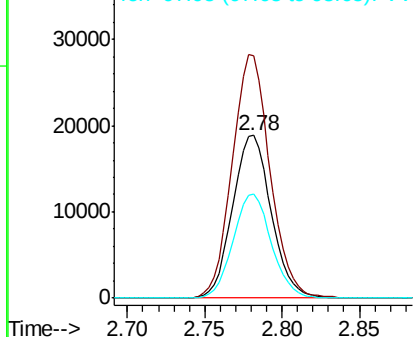
#18

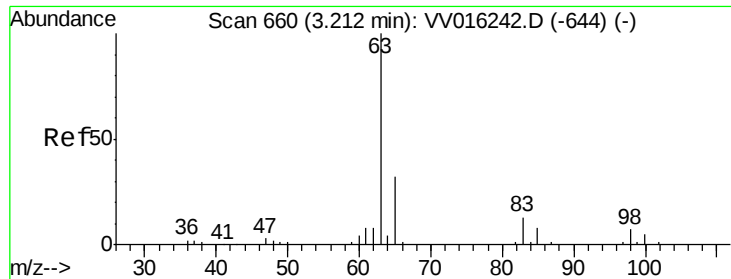
trans-1,2-Dichloroethene
 Concen: 5.506 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion: 96 Resp: 32717
 Ion Ratio Lower Upper
 96 100
 61 148.8 99.8 185.4
 98 63.8 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

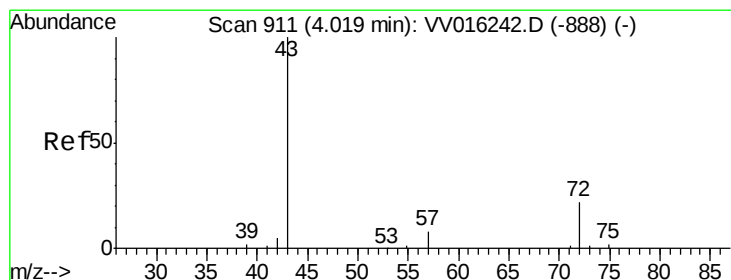
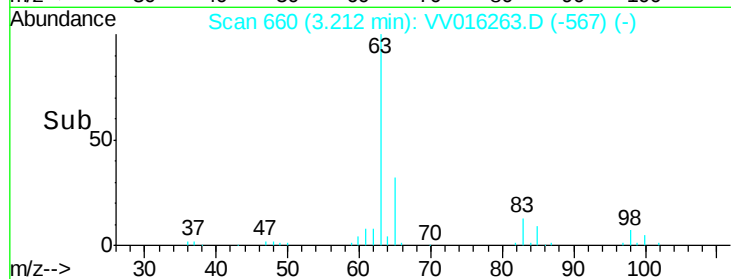
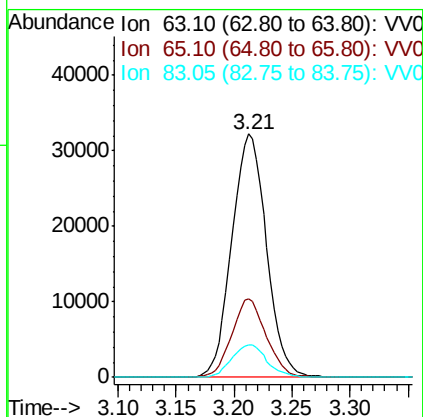
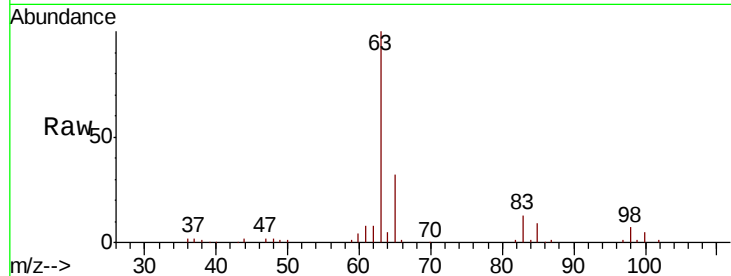




#19
 1,1-Dichloroethane
 Concen: 5.916 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

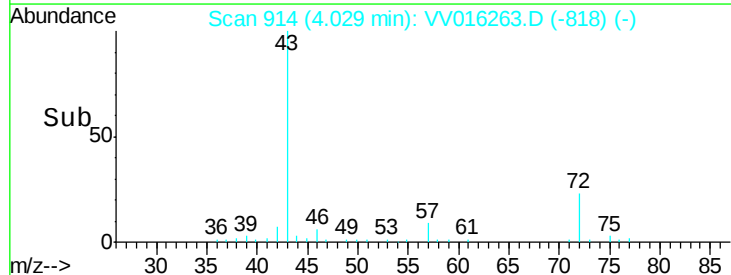
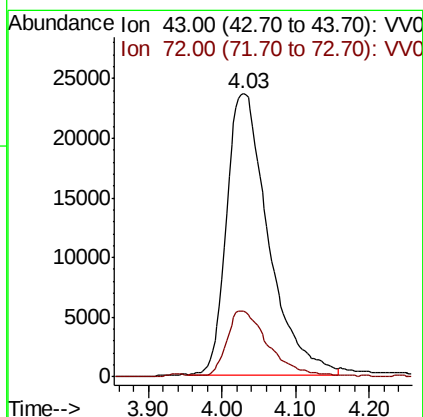
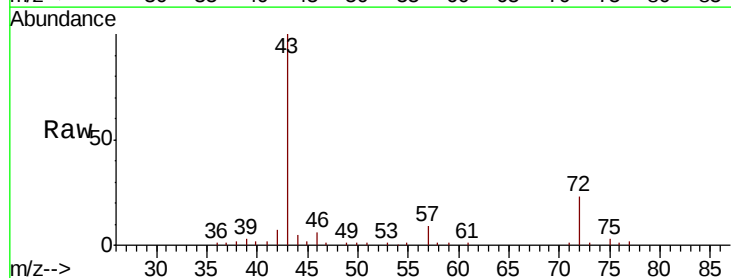
Instrument :
 MSVOA_V
 ClientSampleId :

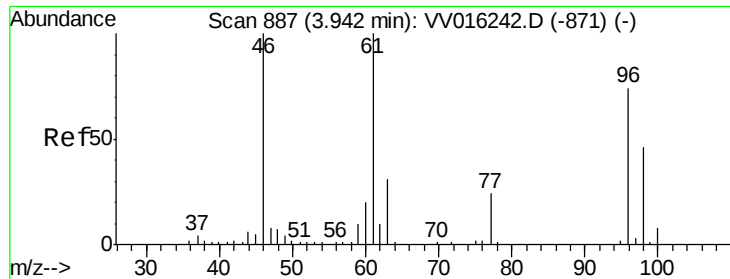
Tot Ion: 63 Resp: 66778
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.3 41.5
 83 13.3 9.4 17.4



#21
 2-Butanone
 Concen: 57.396 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion: 43 Resp: 92698
 Ion Ratio Lower Upper
 43 100
 72 22.4 9.7 28.9



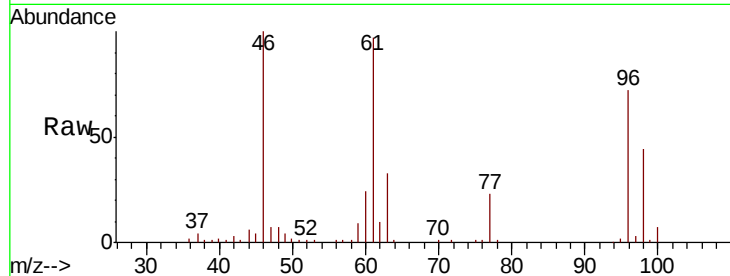


#22

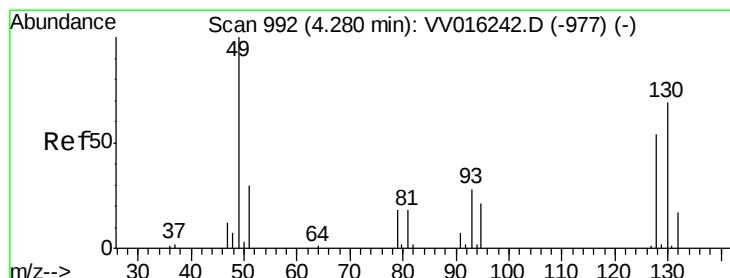
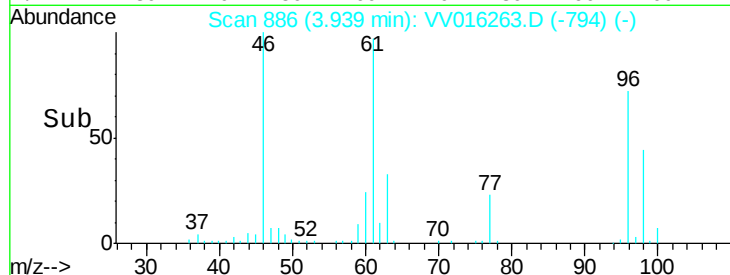
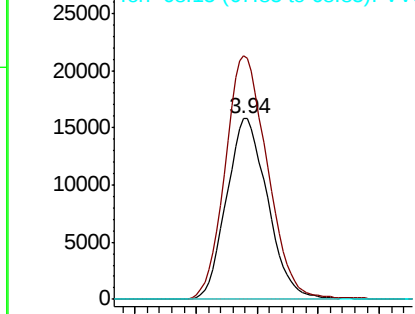
cis-1,2-Dichloroethene
Concen: 5.265 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 37006
Ion Ratio Lower Upper
96 100
61 134.7 99.7 185.1
68 0.0 0.0 0.0



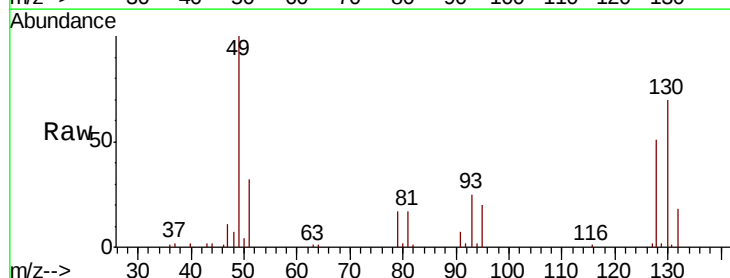
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



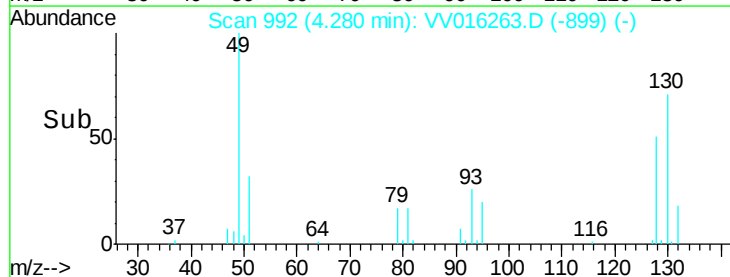
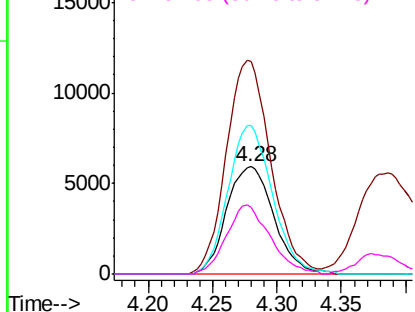
#23

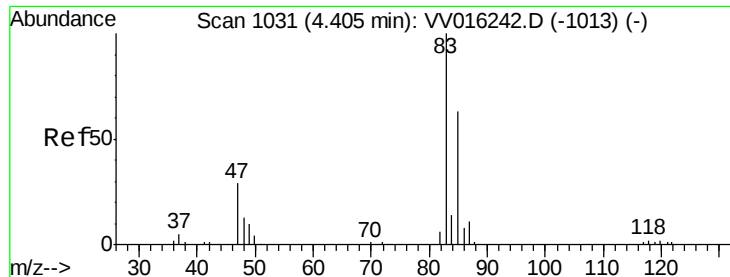
Bromochloromethane
Concen: 5.656 ug/L
RT: 4.28 min Scan# 992
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Tgt Ion: 128 Resp: 15089
Ion Ratio Lower Upper
128 100
49 197.5 125.5 233.1
130 138.9 83.0 154.2
51 62.3 42.9 64.3



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

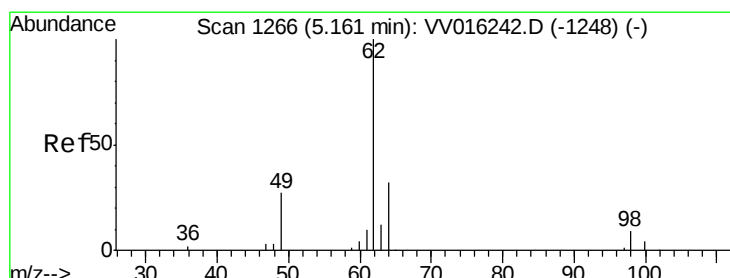
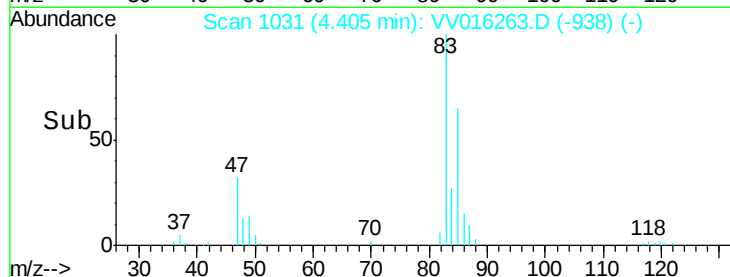
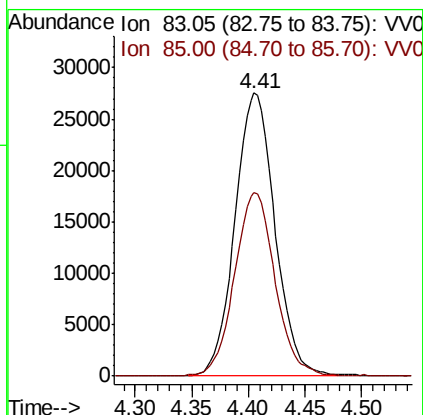
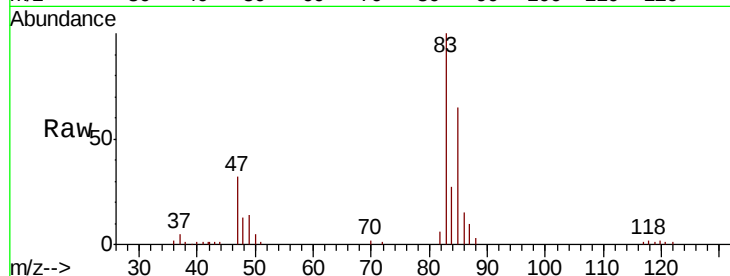




#25
Chloroform
Concen: 5.667 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

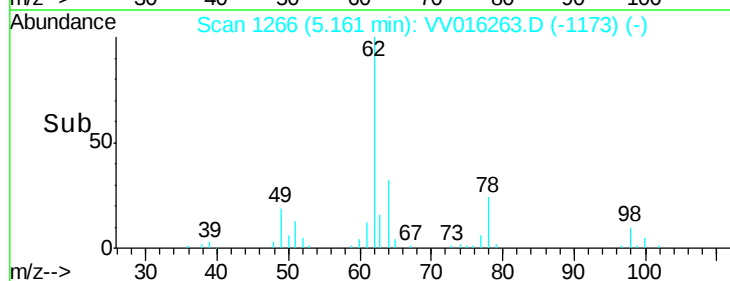
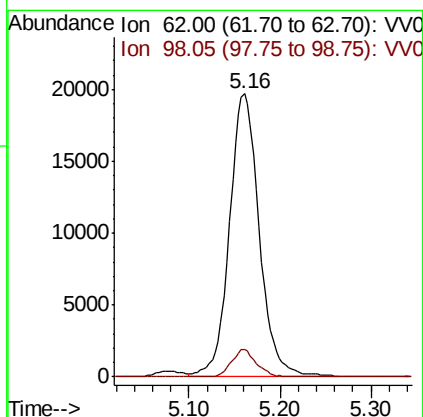
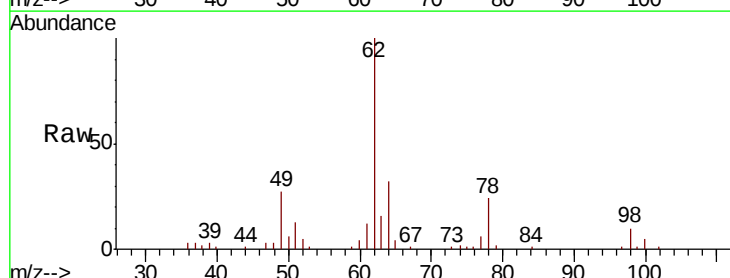
Instrument :
MSVOA_V
ClientSampled :

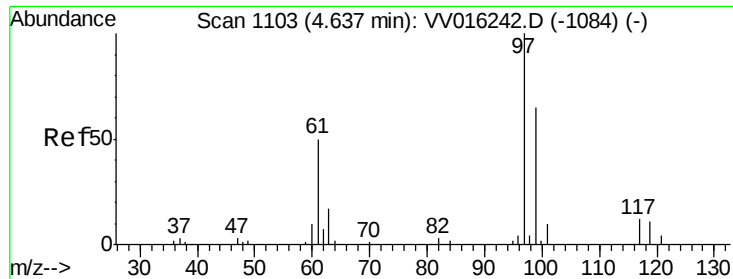
Tot Ion: 83 Resp: 67706
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.750 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Tgt Ion: 62 Resp: 44912
Ion Ratio Lower Upper
62 100
98 9.8 5.7 8.5#

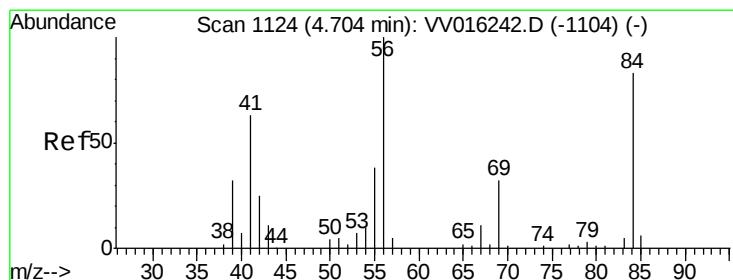
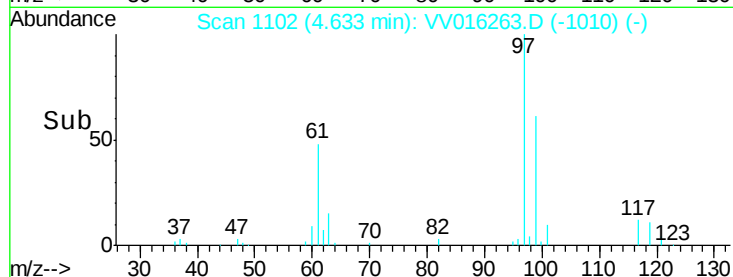
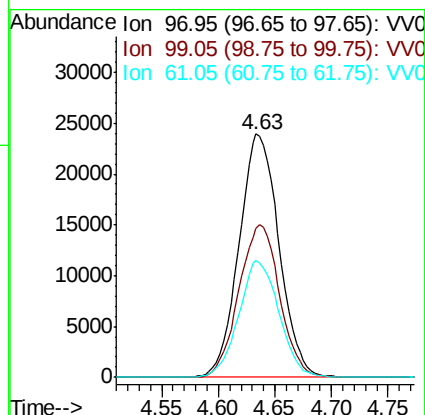
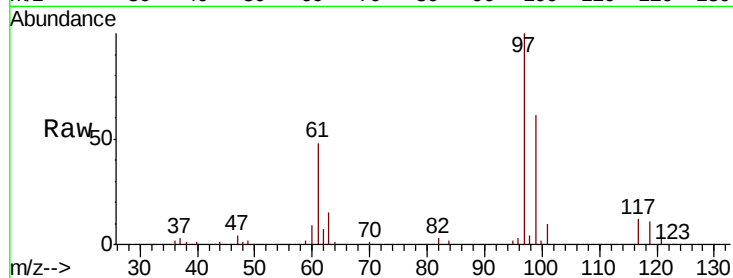




#29
1,1,1-Trichloroethane
Concen: 5.525 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

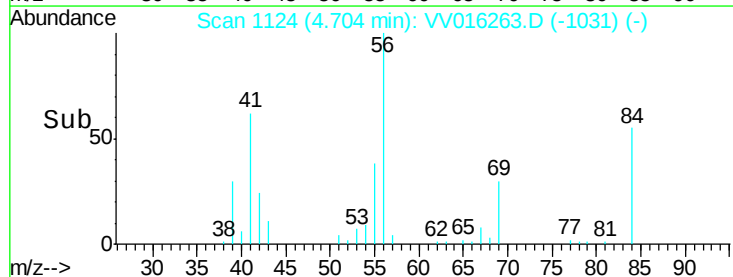
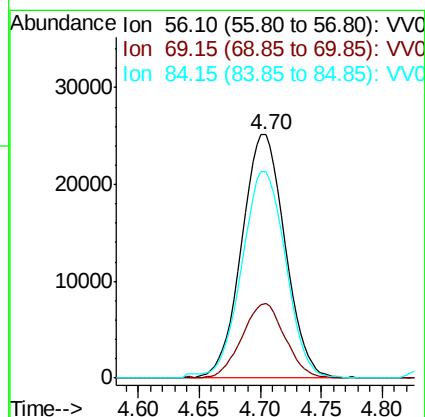
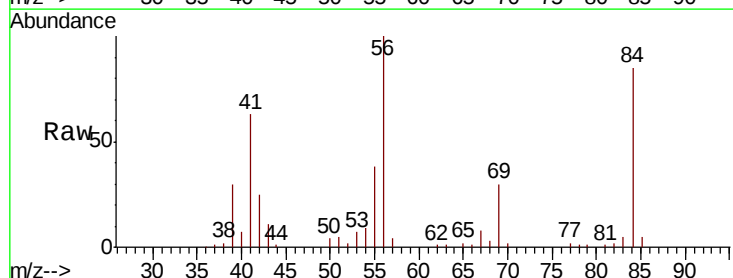
Instrument :
MSVOA_V
ClientSampled :

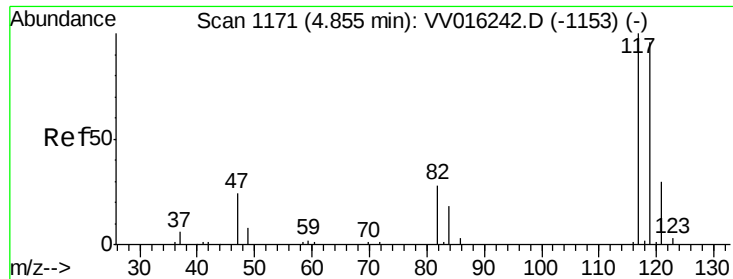
Tot Ion: 97 Resp: 58821
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 48.5 38.6 57.8



#30
Cyclohexane
Concen: 5.432 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Tgt Ion: 56 Resp: 61969
Ion Ratio Lower Upper
56 100
69 30.3 24.6 36.8
84 85.7 67.1 100.7





#31

Carbon tetrachloride

Concen: 5.449 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

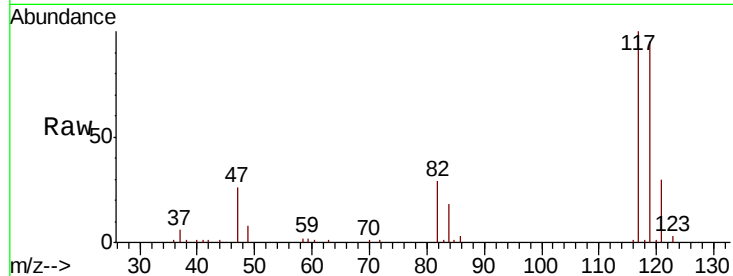
ClientSampleId :

Tot Ion:117 Resp: 49151

Ion Ratio Lower Upper

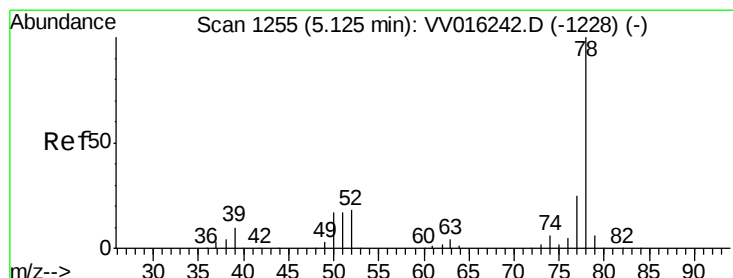
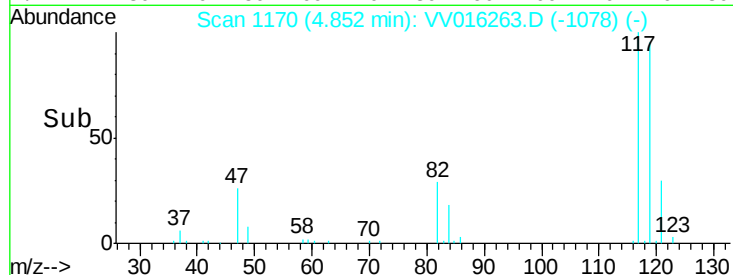
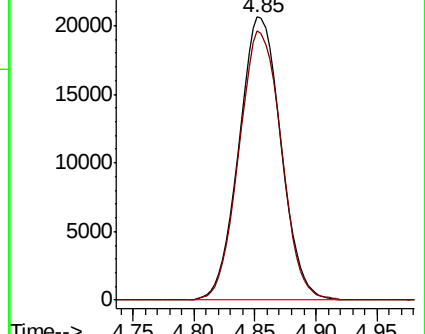
117 100

119 95.8 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.550 ug/L

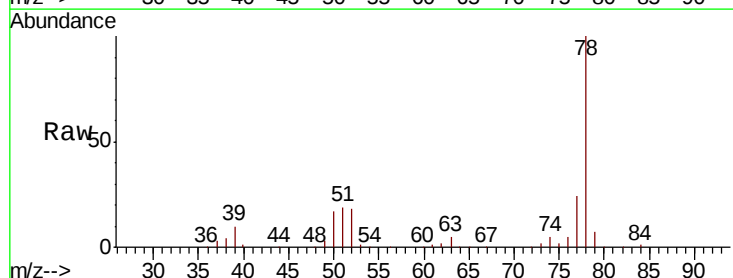
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

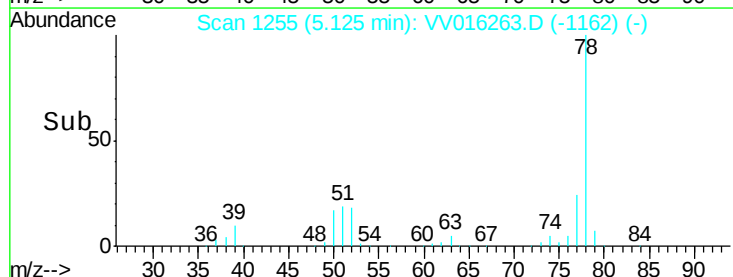
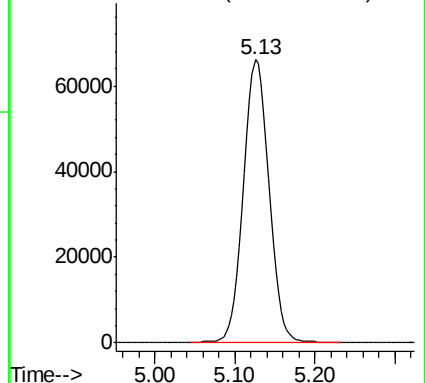
Lab File: VV016263.D

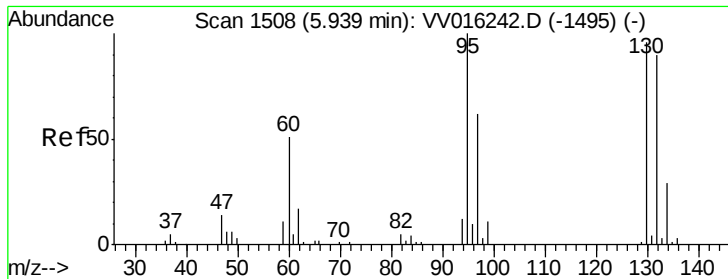
Acq: 28 May 2020 05:49

Tgt Ion: 78 Resp: 143244



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.552 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 37332

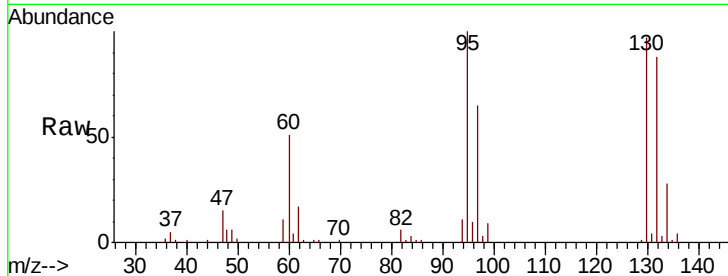
Ion Ratio Lower Upper

95 100

97 65.1 43.6 81.0

132 87.8 63.9 118.7

130 97.1 65.2 121.0

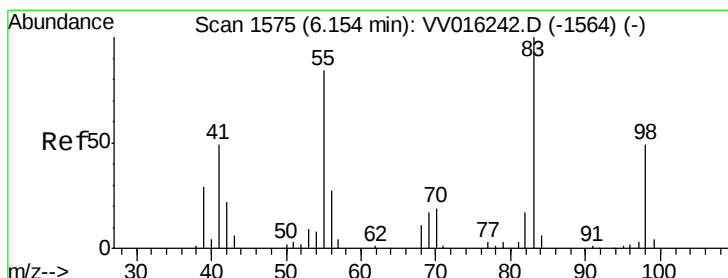
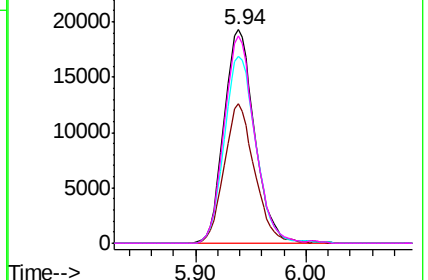
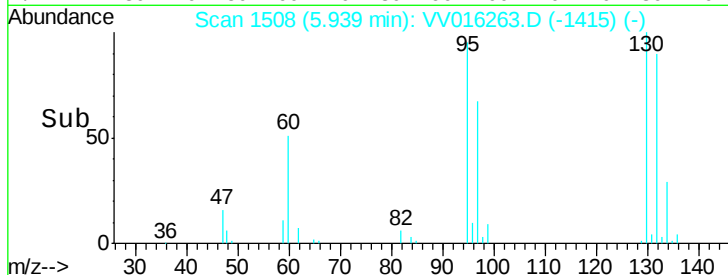


Abundance Ion 95.00 (94.70 to 95.70): VV016263.D (-1415) (-)

Ion 96.95 (96.65 to 97.65): VV016263.D (-1415) (-)

Ion 131.95 (131.65 to 132.65): VV016263.D (-1415) (-)

Ion 129.95 (129.65 to 130.65): VV016263.D (-1415) (-)



#35

Methylcyclohexane

Concen: 5.345 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

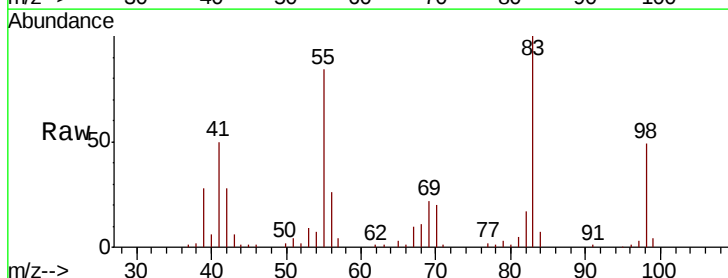
Tgt Ion: 83 Resp: 60618

Ion Ratio Lower Upper

83 100

55 83.1 65.4 98.0

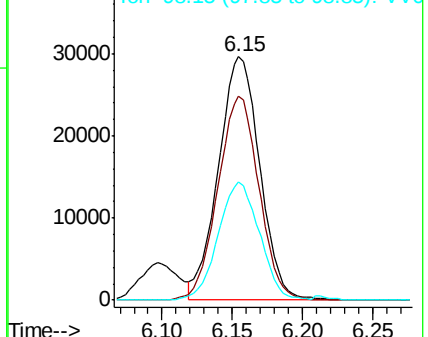
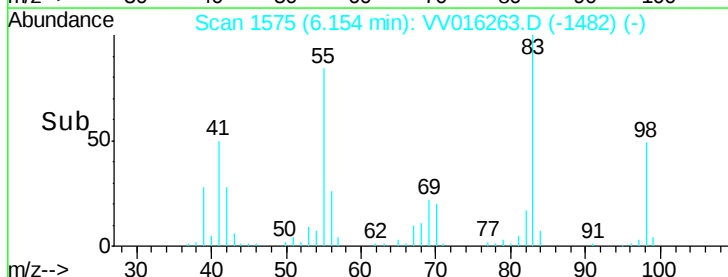
98 48.4 39.3 58.9

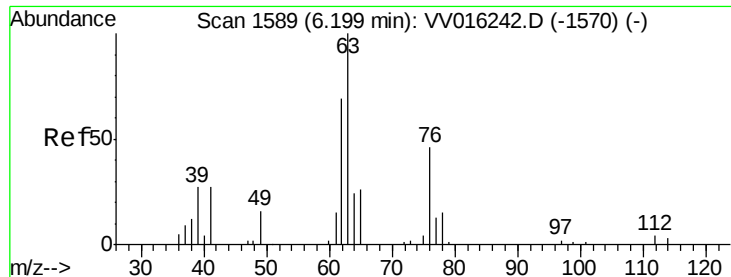


Abundance Ion 83.15 (82.85 to 83.85): VV016263.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016263.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016263.D (-1482) (-)

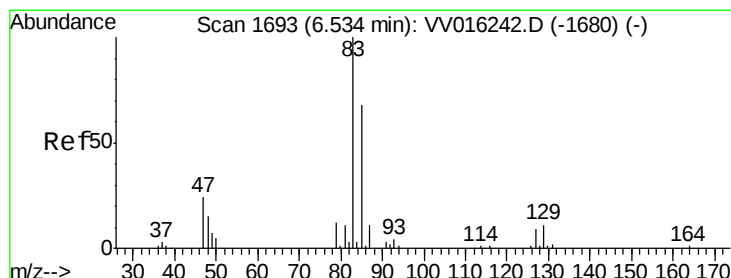
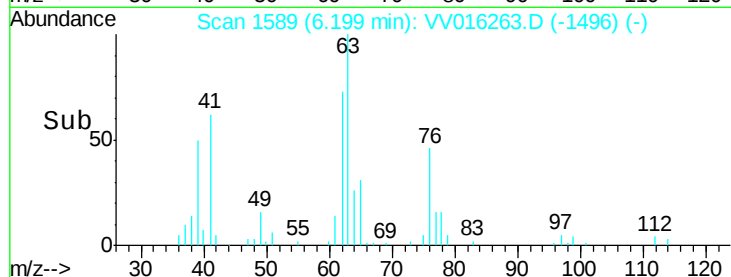
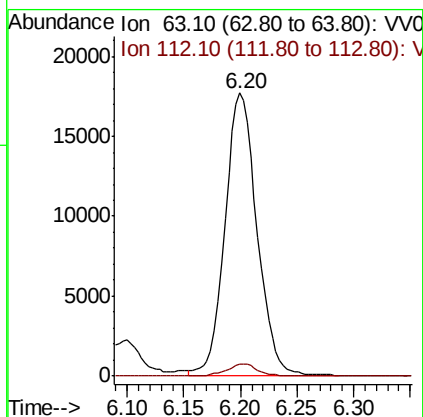
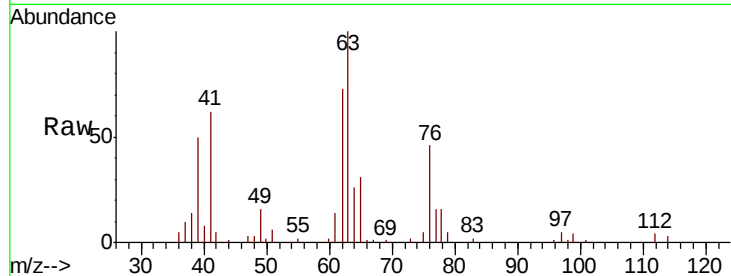




#37
 1,2-Dichloropropane
 Concen: 5.531 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

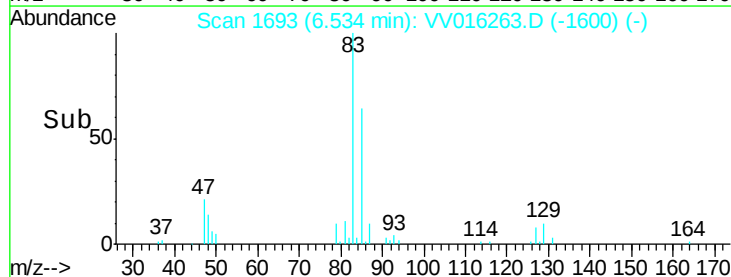
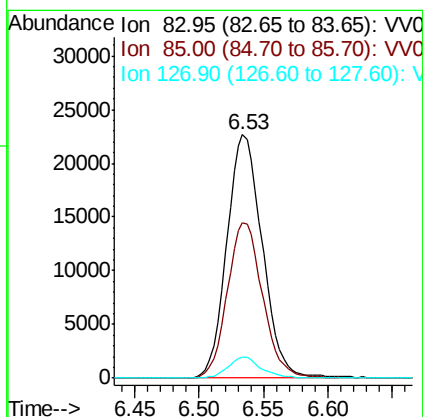
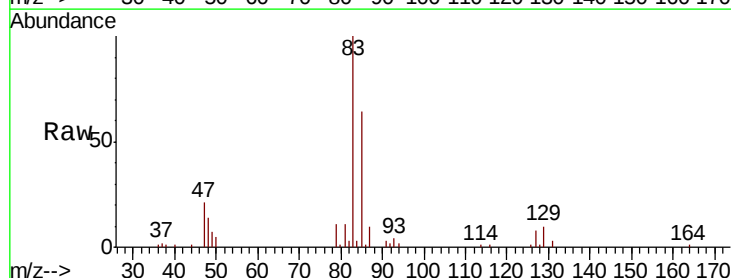
Instrument :
 MSVOA_V
 ClientSampleId :

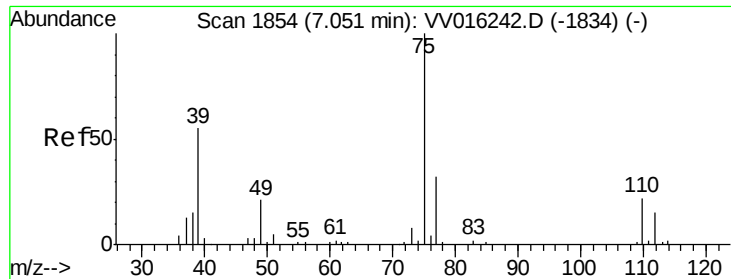
Tot Ion: 63 Resp: 35012
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.557 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion: 83 Resp: 43284
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.2 82.2
 127 8.5 7.1 10.7

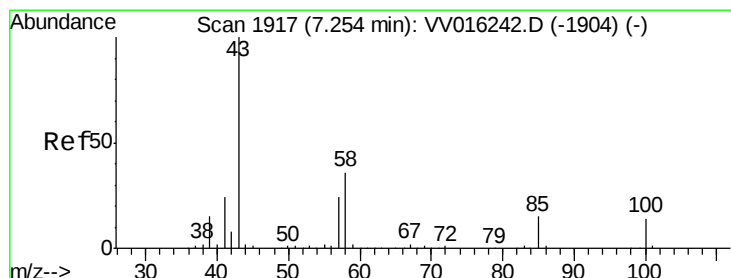
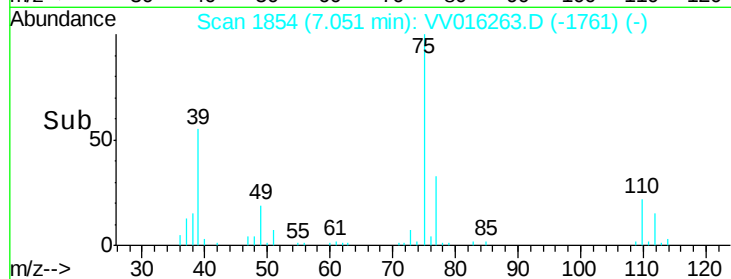
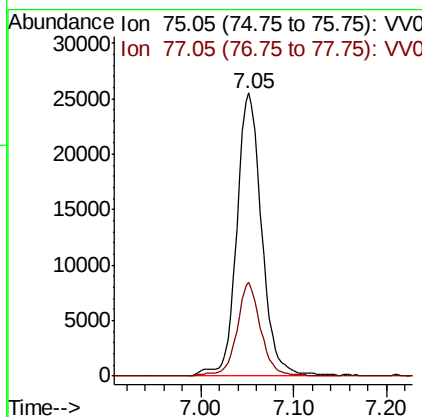
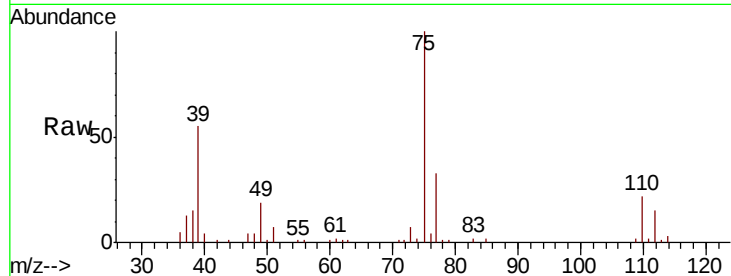




#39
 cis-1,3-Dichloropropene
 Concen: 5.329 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

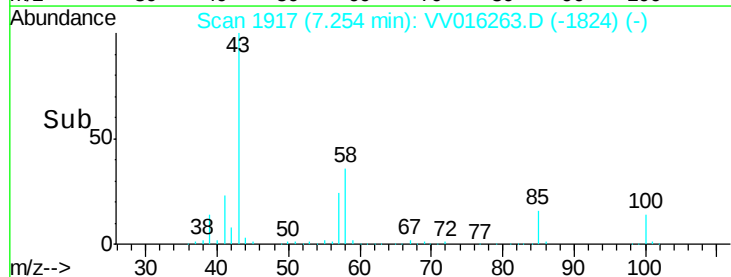
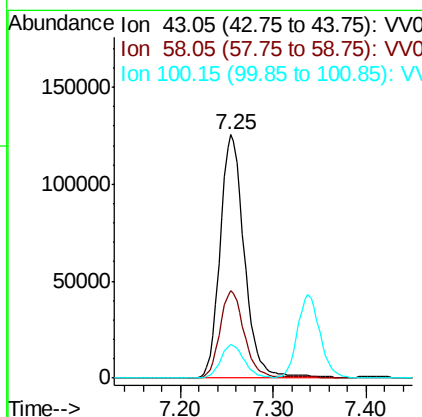
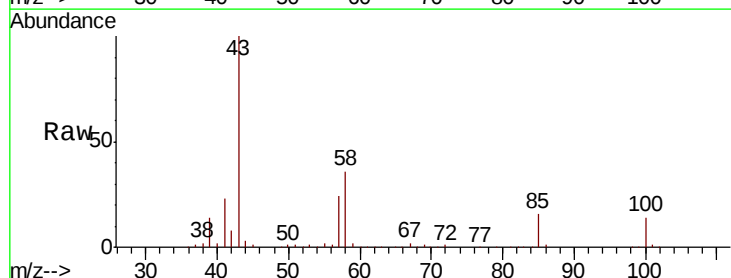
Instrument :
 MSVOA_V
 ClientSampleId :

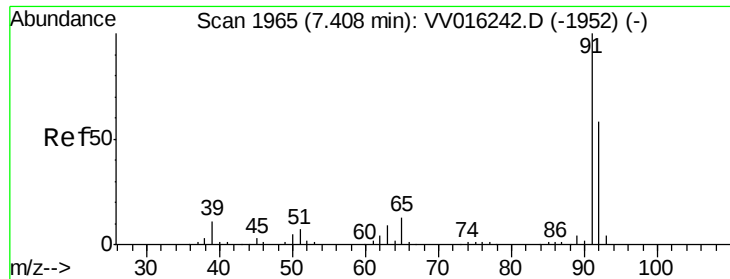
Tot Ion: 75 Resp: 47778
 Ion Ratio Lower Upper
 75 100
 77 33.3 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 57.967 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion: 43 Resp: 228304
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.5 44.3
 100 13.4 11.1 16.7





#42

Toluene

Concen: 5.528 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

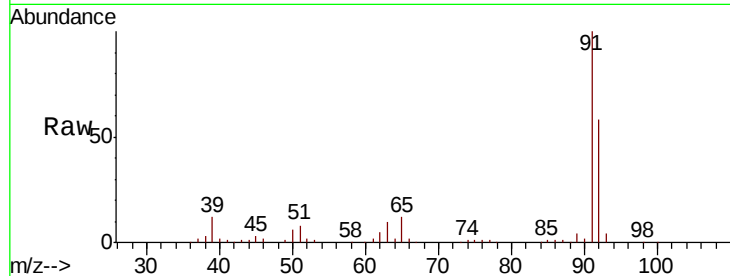
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 155613

Ion Ratio Lower Upper

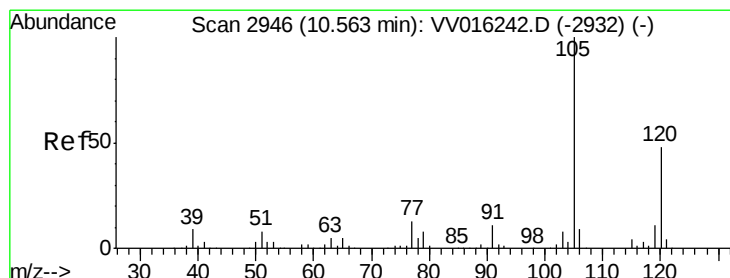
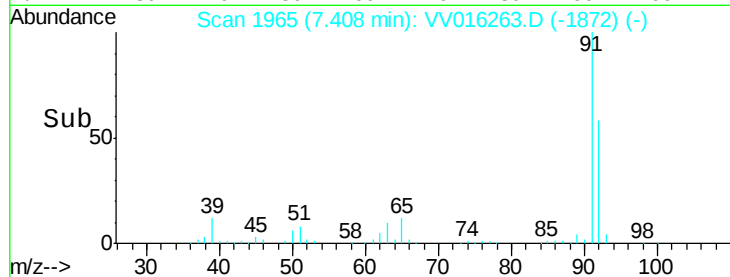
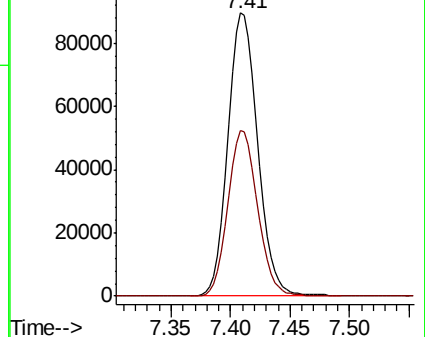
91 100

92 58.4 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016242.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016242.D (-1952) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.596 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VV016263.D

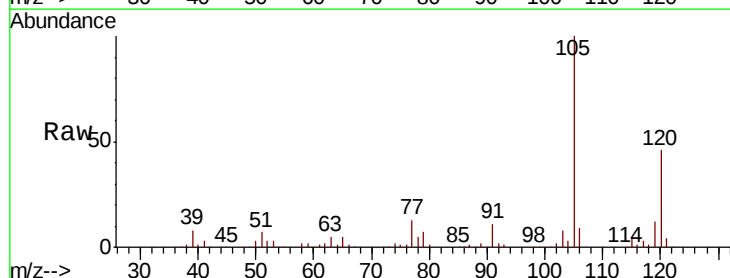
Acq: 28 May 2020 05:49

Tgt Ion: 105 Resp: 143390

Ion Ratio Lower Upper

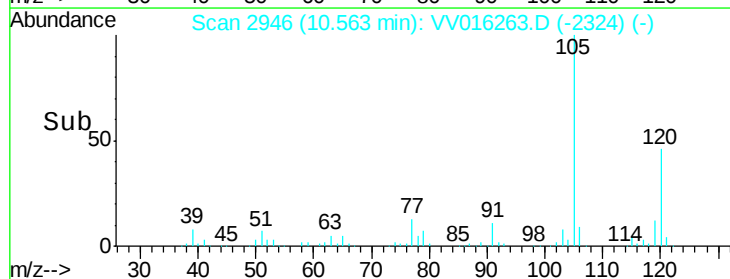
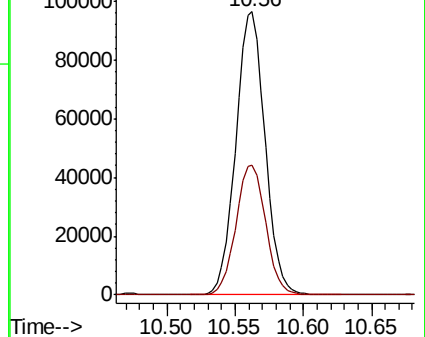
105 100

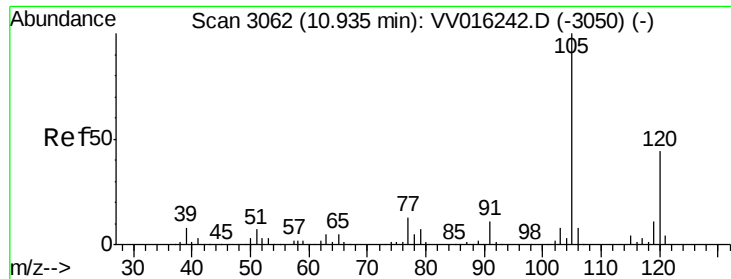
120 46.6 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016242.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016242.D (-2932) (-)

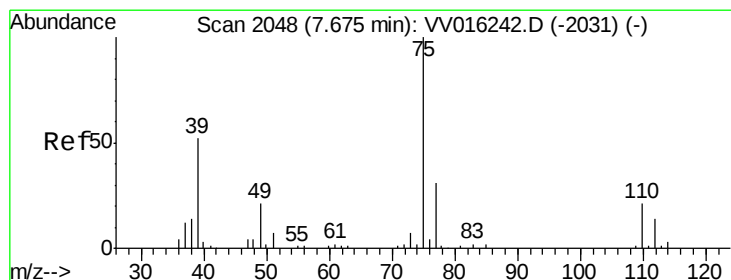
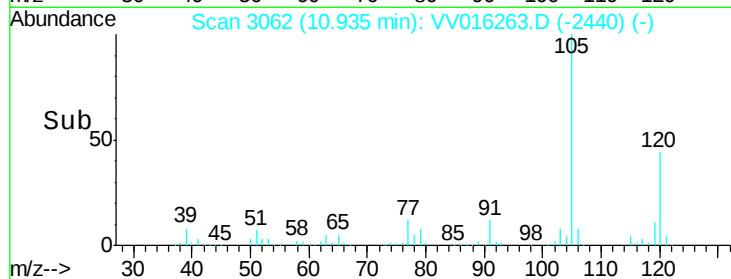
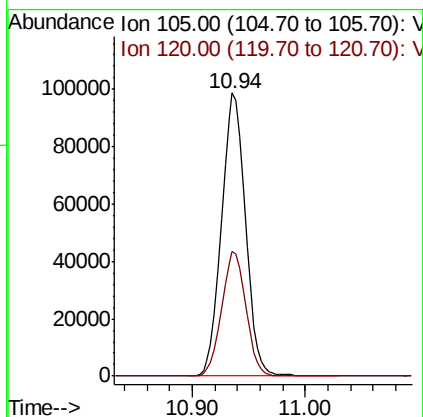
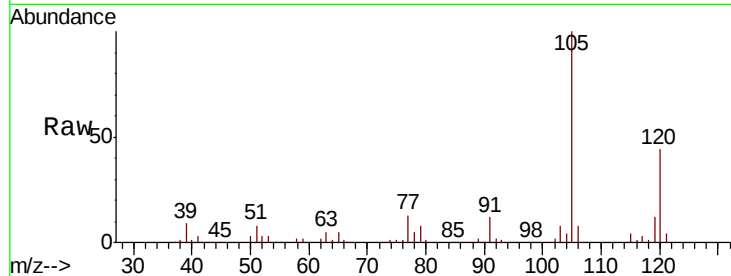




#44
 1,2,4-Trimethylbenzene
 Concen: 5.538 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

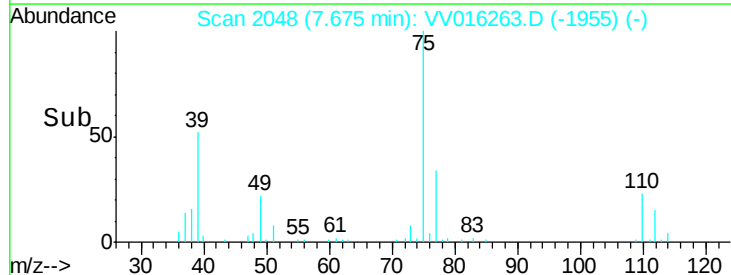
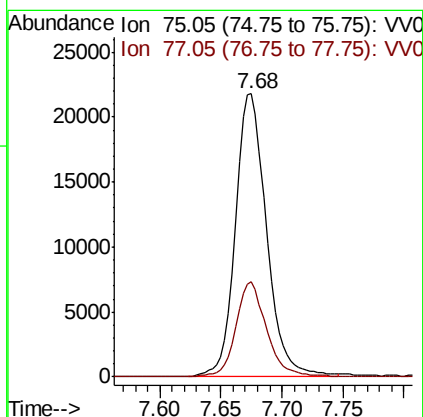
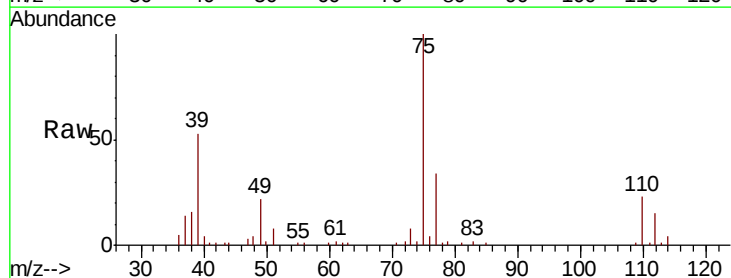
Instrument :
 MSVOA_V
 ClientSampled :

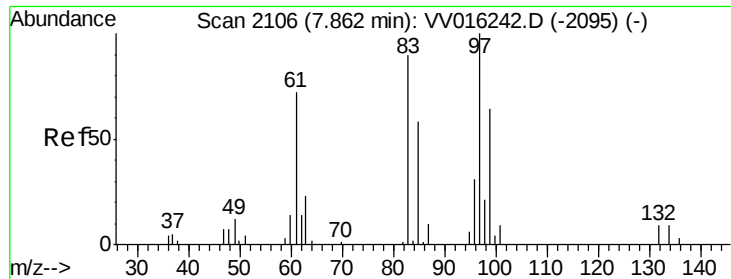
Tot Ion:105 Resp: 146163
 Ion Ratio Lower Upper
 105 100
 120 44.4 34.6 52.0



#46
 trans-1,3-Dichloropropene
 Concen: 5.180 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion: 75 Resp: 38586
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.7 40.3

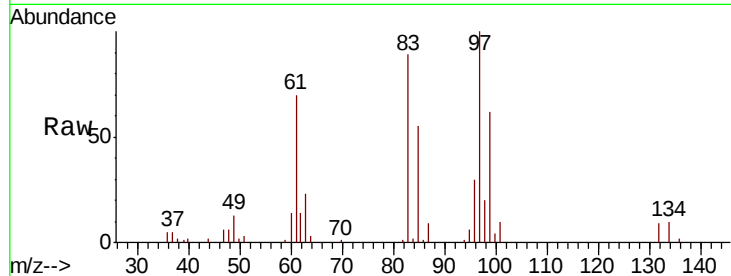




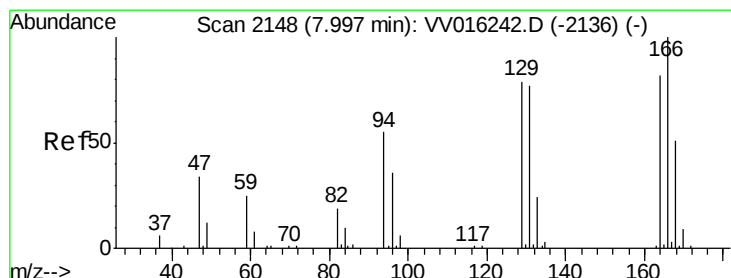
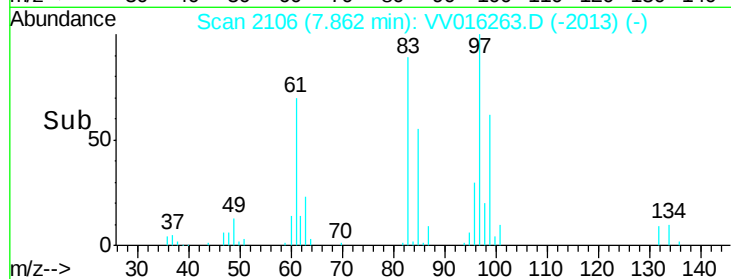
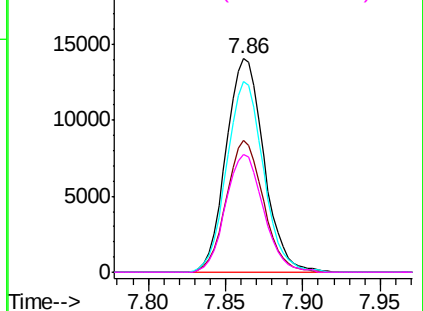
#47
 1,1,2-Trichloroethane
 Concen: 5.744 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	23914
Ion	Ratio	Lower	Upper
97	100		
99	61.8	40.8	75.8
83	89.4	60.0	111.4
85	55.0	39.3	73.1

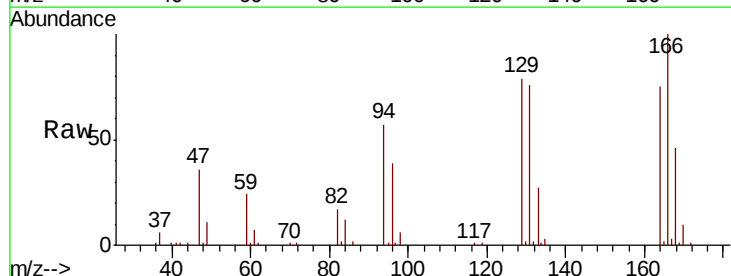


Abundance Ion 96.95 (96.65 to 97.65): VV016263.D (-2013) (-)

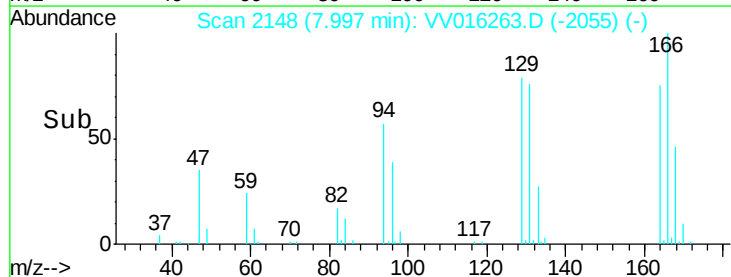
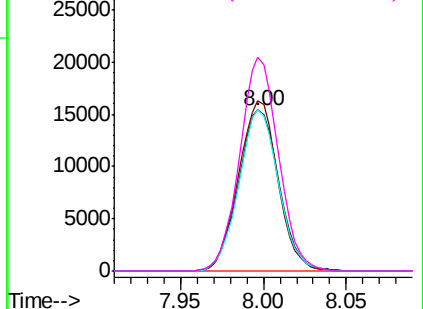


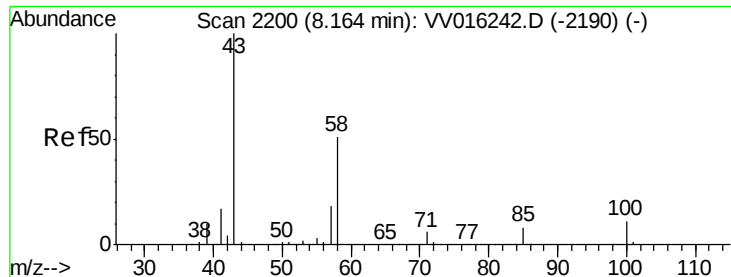
#49
 Tetrachloroethene
 Concen: 5.424 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion:	164	Resp:	26184
Ion	Ratio	Lower	Upper
164	100		
129	105.3	70.7	131.3
131	100.2	66.6	123.8
166	132.5	86.9	161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016263.D (-2055) (-)

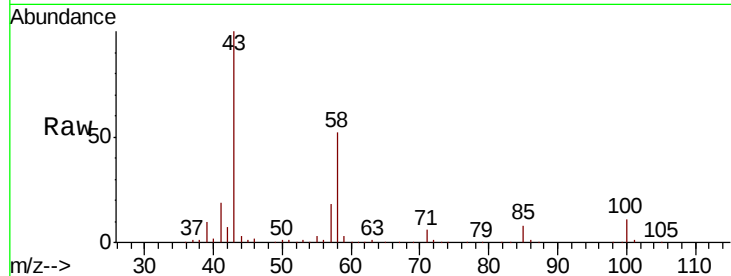




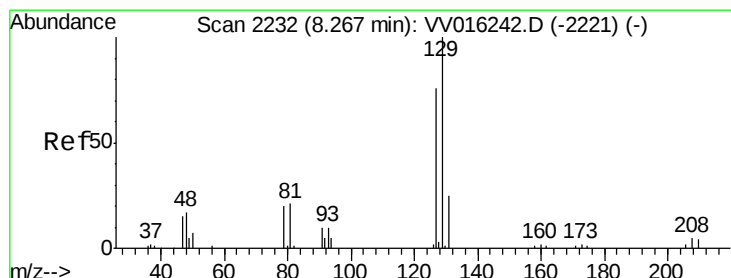
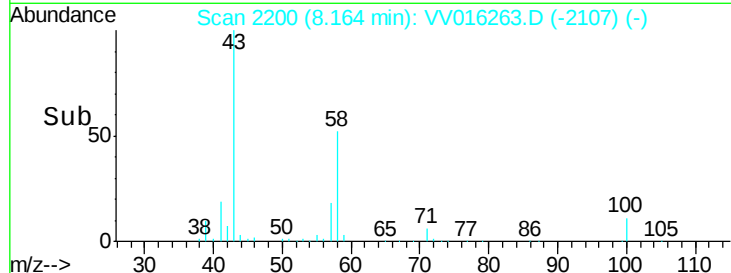
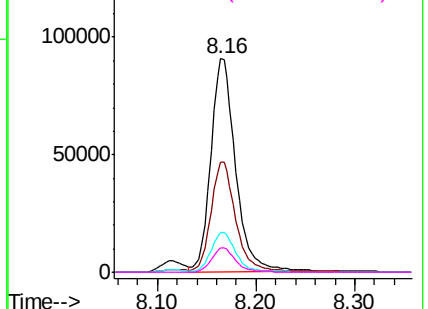
#50
2-Hexanone
Concen: 58.326 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 160202
Ion Ratio Lower Upper
43 100
58 51.5 41.4 62.0
57 18.4 15.0 22.4
100 11.1 9.0 13.4

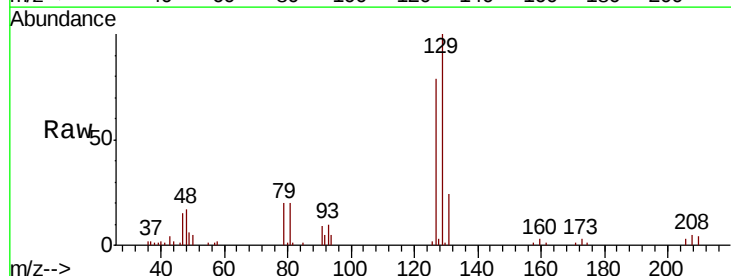


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

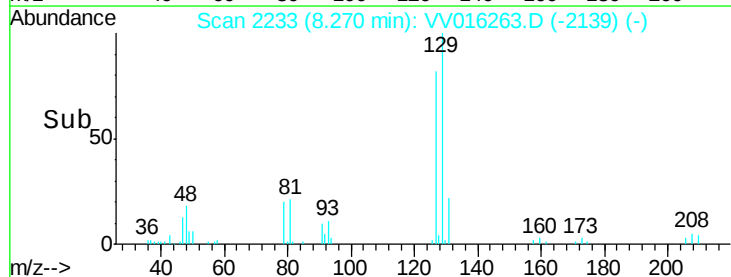
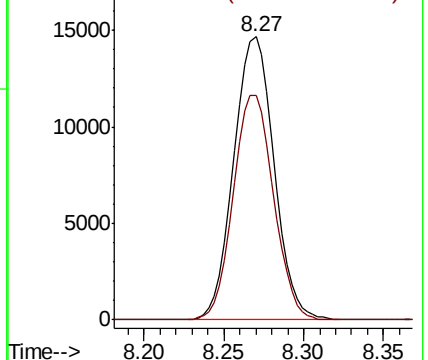


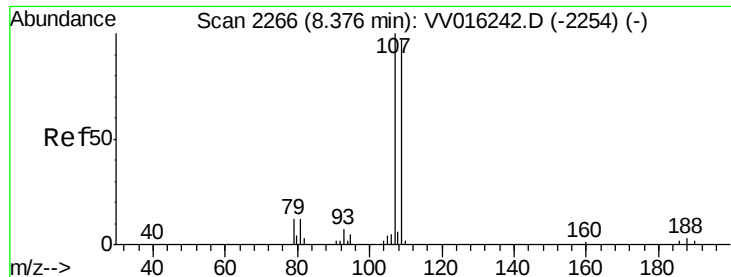
#51
Dibromochloromethane
Concen: 5.712 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Tgt Ion: 129 Resp: 25192
Ion Ratio Lower Upper
129 100
127 79.4 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 5.574 ug/L

RT: 8.38 min Scan# 2266

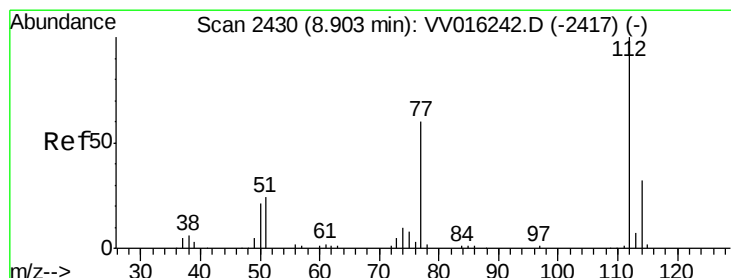
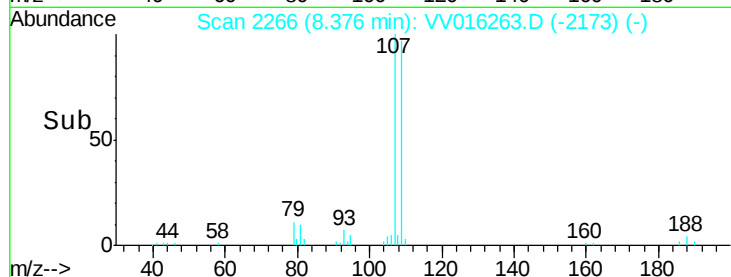
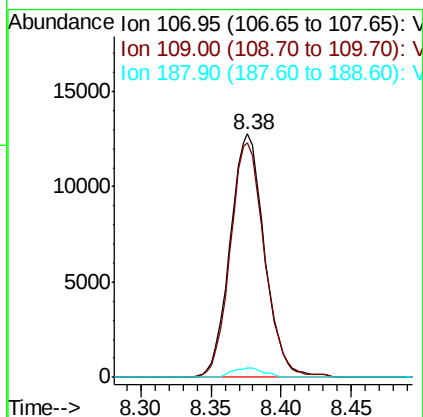
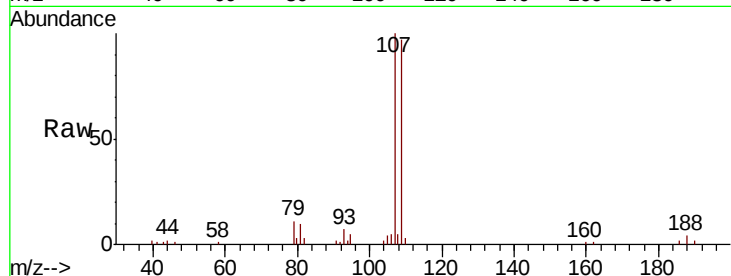
Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107	Resp:	21807
Ion Ratio	Lower	Upper
107	100	
109	96.6	63.1 117.3
188	3.6	2.6 4.0



#53

Chlorobenzene

Concen: 5.547 ug/L

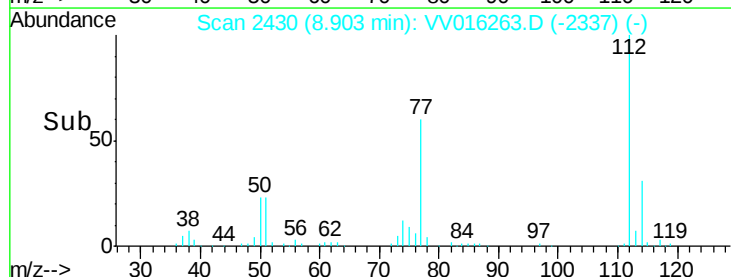
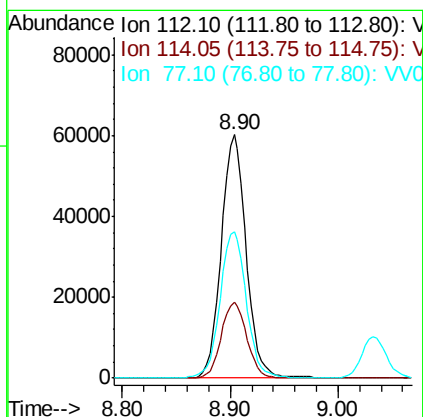
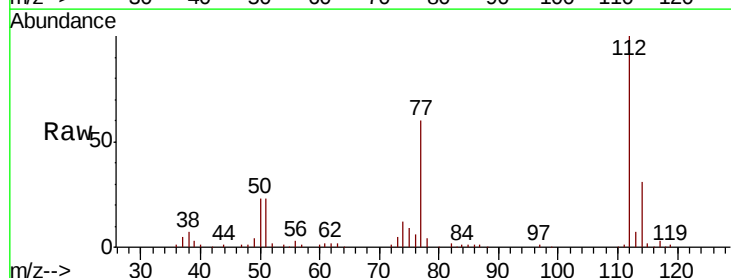
RT: 8.90 min Scan# 2430

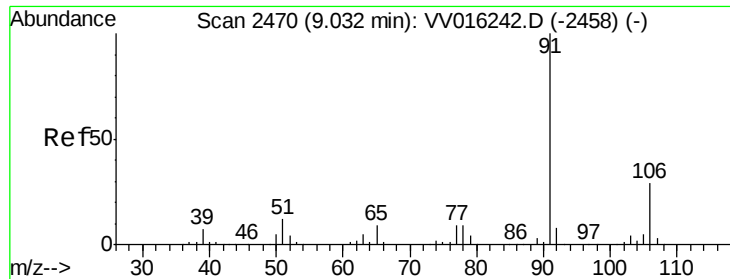
Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Tgt Ion:112	Resp:	96476
Ion Ratio	Lower	Upper
112	100	
114	31.1	22.3 41.3
77	60.2	50.7 76.1





#54

Ethylbenzene

Concen: 5.600 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

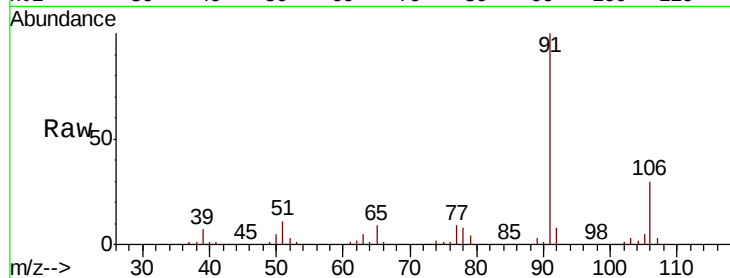
ClientSampleId :

Tot Ion: 91 Resp: 175688

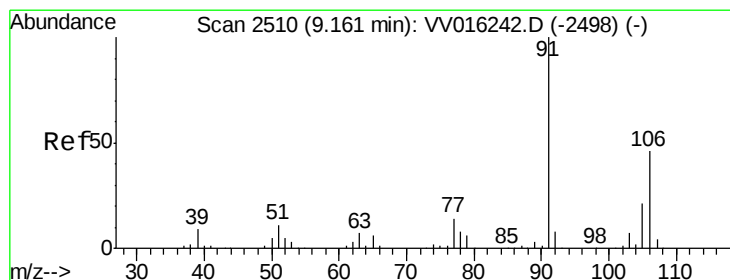
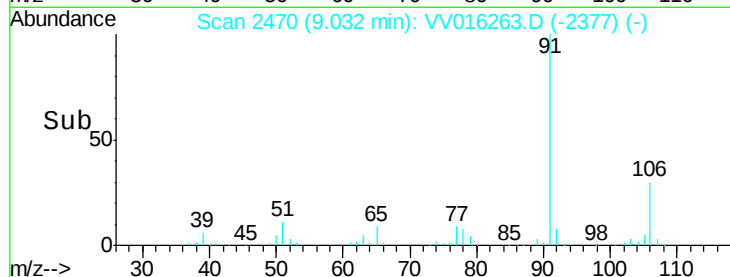
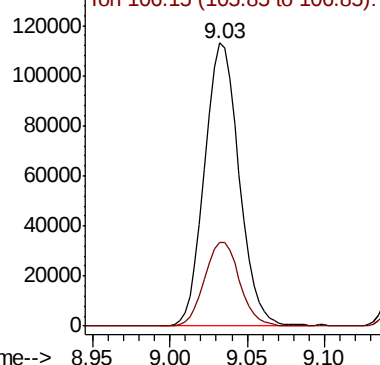
Ion Ratio Lower Upper

91 100

106 29.7 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016263.D (-2377) (-)



#55

m,p-xylene

Concen: 5.704 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016263.D

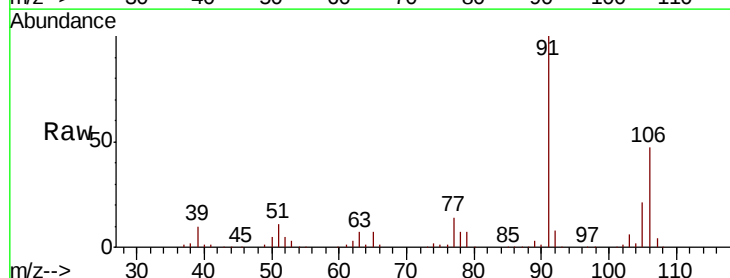
Acq: 28 May 2020 05:49

Tgt Ion: 106 Resp: 67108

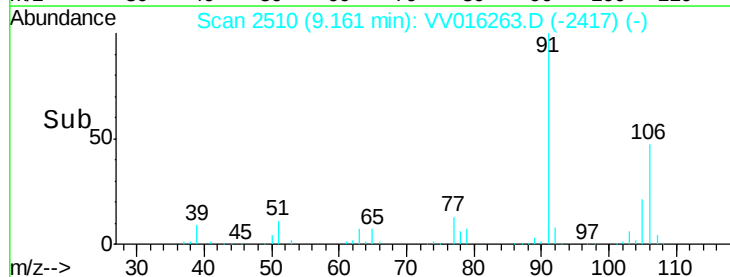
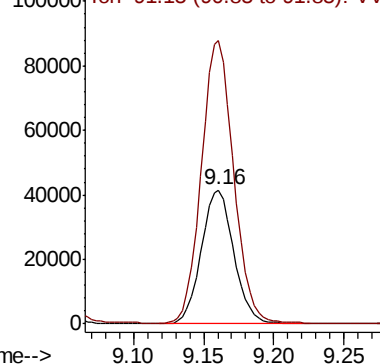
Ion Ratio Lower Upper

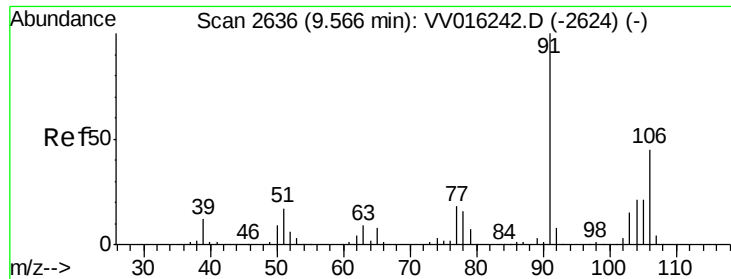
106 100

91 211.8 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016263.D (-2417) (-)

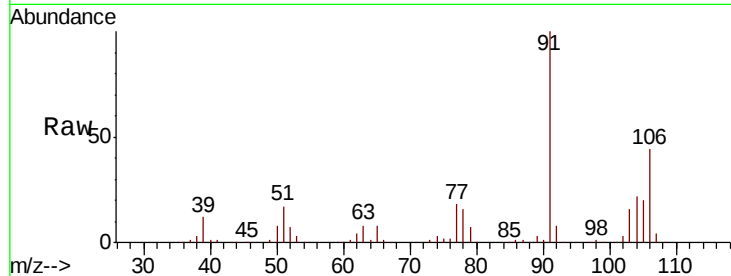




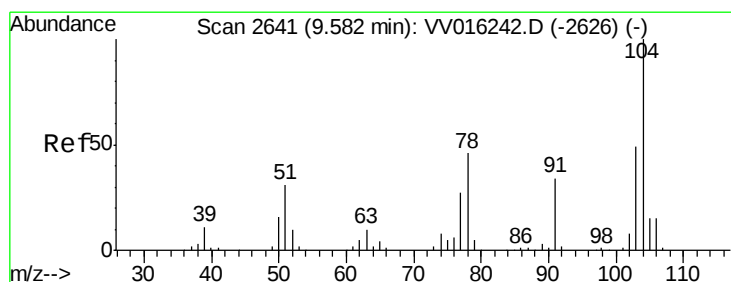
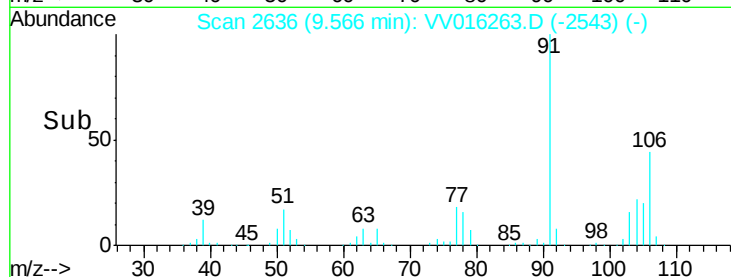
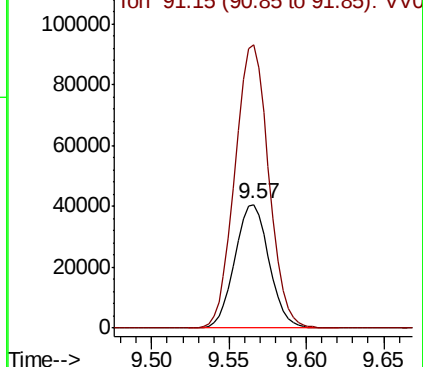
#56
o-xylene
Concen: 5.568 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 62426
Ion Ratio Lower Upper
106 100
91 228.3 158.8 294.8

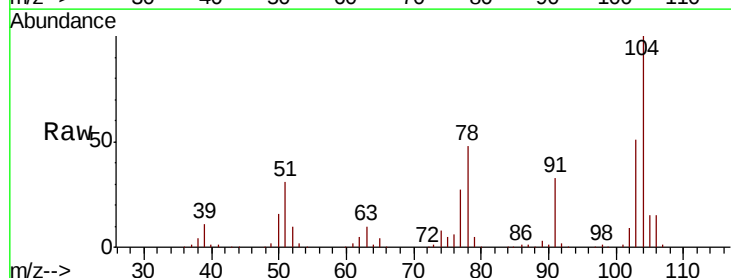


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

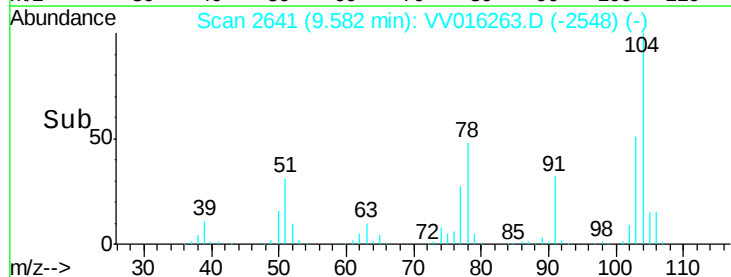
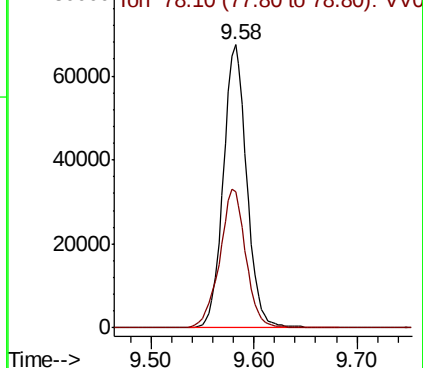


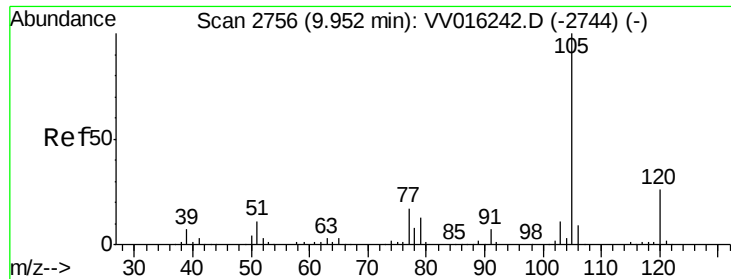
#57
Styrene
Concen: 5.729 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016263.D
Acq: 28 May 2020 05:49

Tgt Ion:104 Resp: 106885
Ion Ratio Lower Upper
104 100
78 48.2 33.2 61.7



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





#58

Isopropylbenzene

Concen: 5.652 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

ClientSampleId :

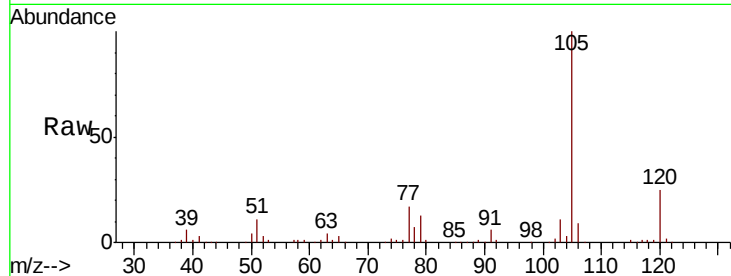
Tot Ion:105 Resp: 173566

Ion Ratio Lower Upper

105 100

120 25.2 20.9 31.3

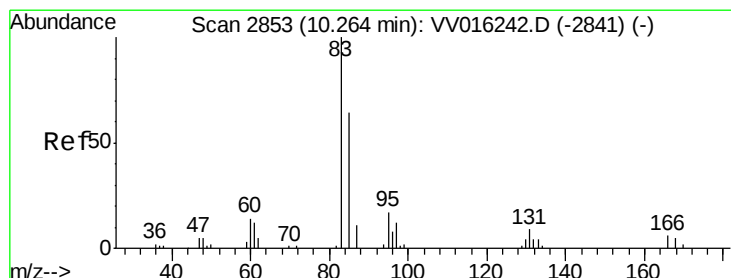
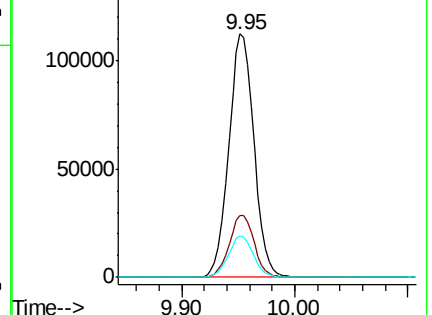
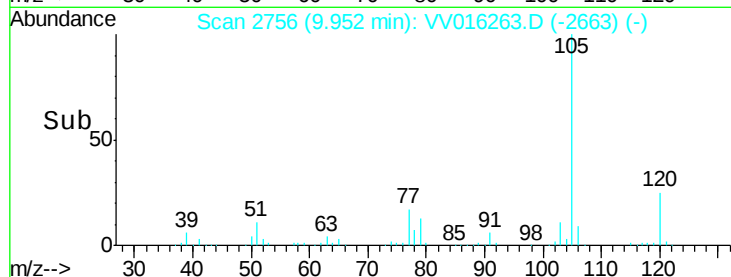
77 16.9 13.9 20.9



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: 5.619 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

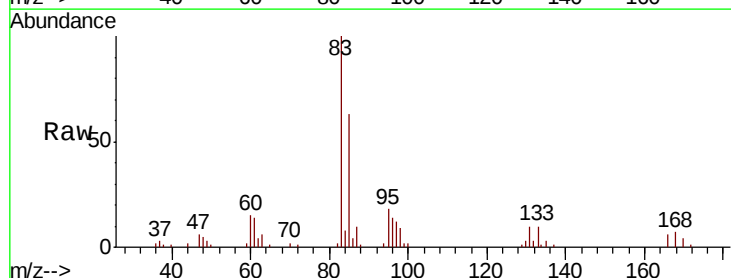
Tgt Ion: 83 Resp: 29085

Ion Ratio Lower Upper

83 100

85 62.5 45.6 84.8

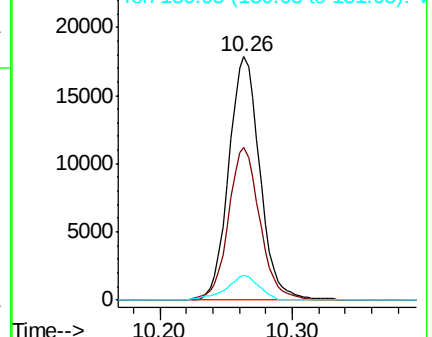
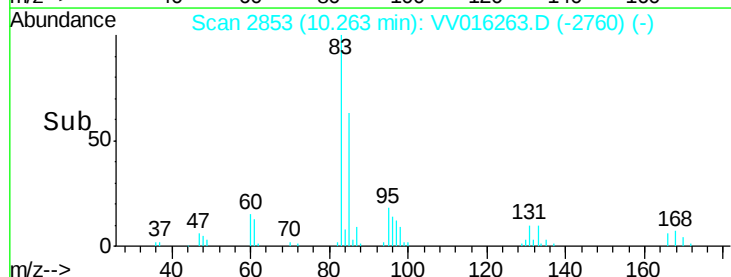
131 9.9 7.9 11.9

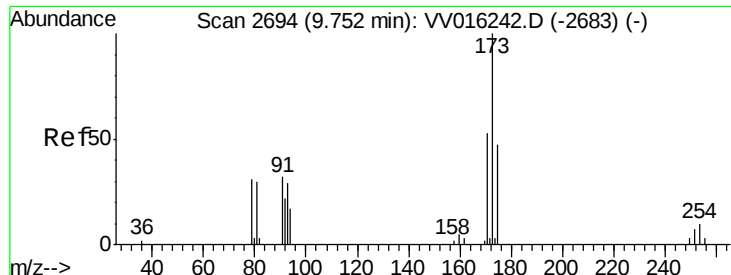


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.935 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :
MSVOA_V
ClientSampleId :

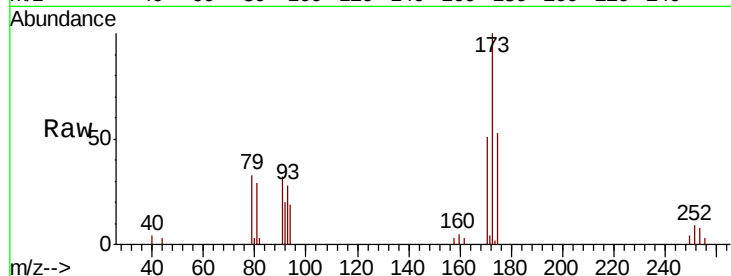
Tot Ion:173 Resp: 11351

Ion Ratio Lower Upper

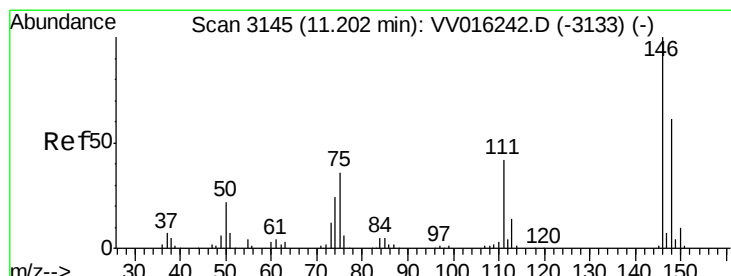
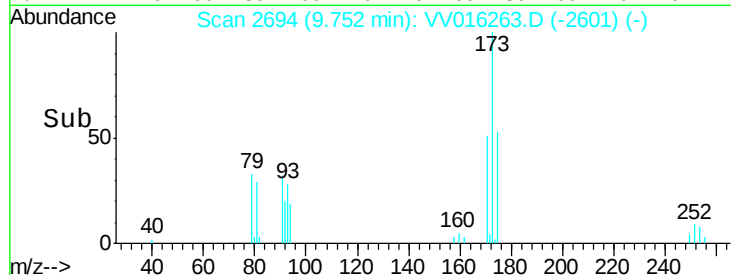
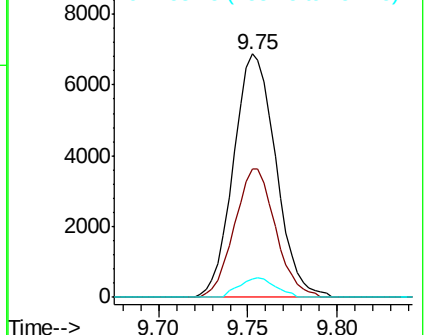
173 100

175 51.0 38.6 58.0

254 6.8 6.6 9.8



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: 5.464 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

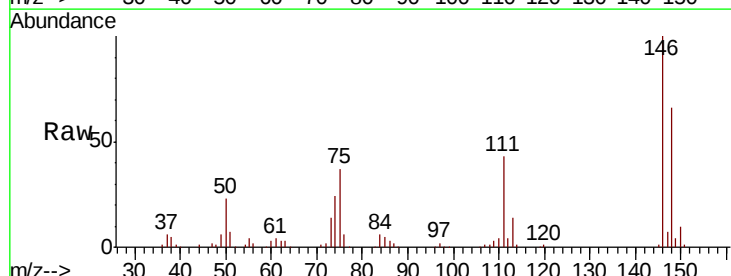
Tgt Ion:146 Resp: 74160

Ion Ratio Lower Upper

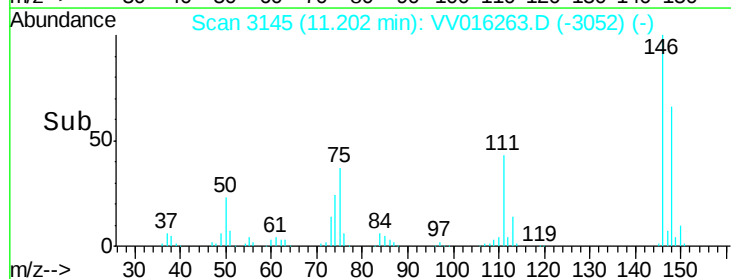
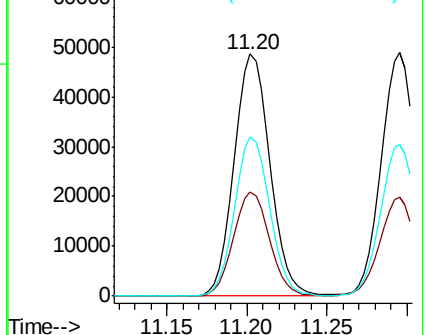
146 100

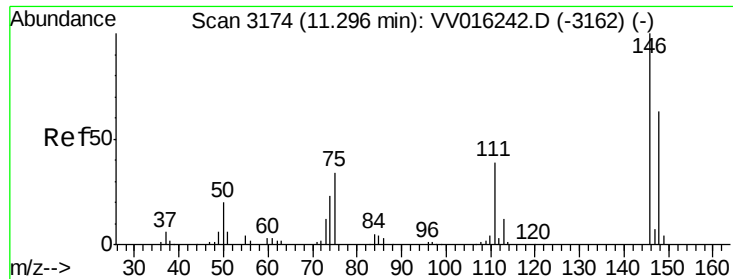
111 43.2 29.7 55.1

148 65.9 45.9 85.3



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: 5.447 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

Instrument :

MSVOA_V

ClientSampleId :

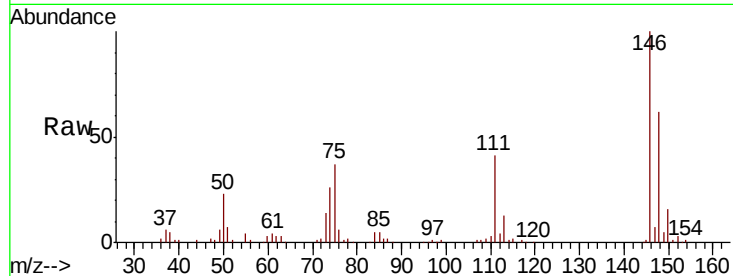
Tot Ion:146 Resp: 75128

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

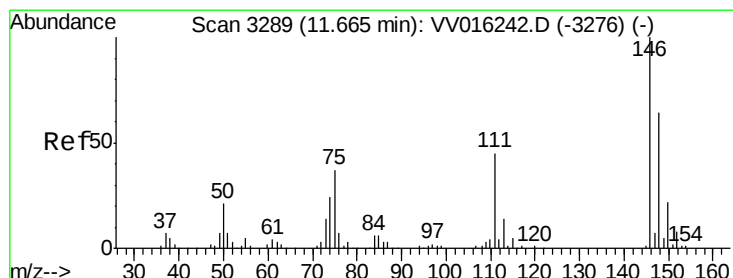
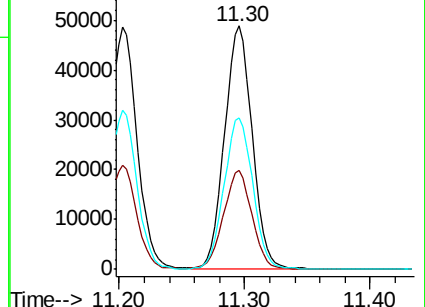
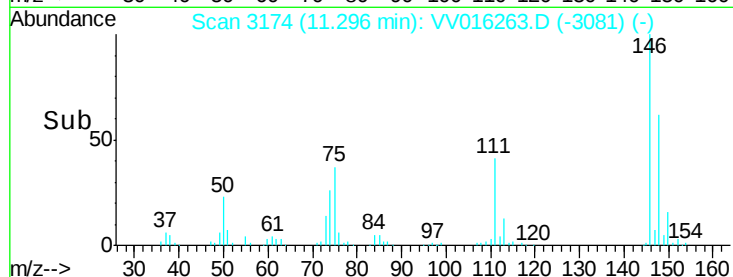
148 62.4 43.3 80.3



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: 5.562 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016263.D

Acq: 28 May 2020 05:49

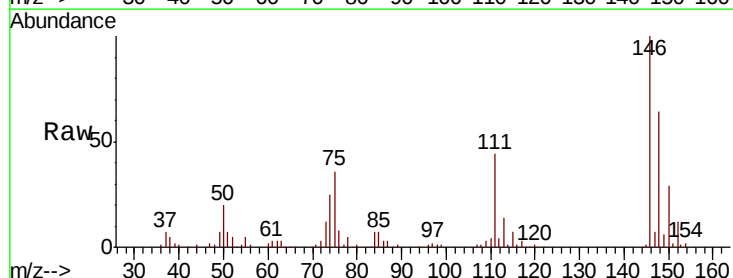
Tgt Ion:146 Resp: 68228

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

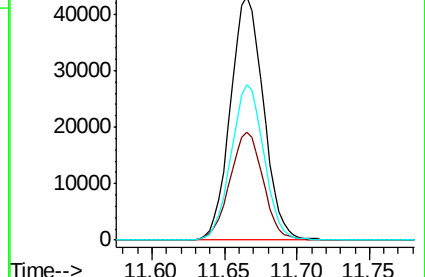
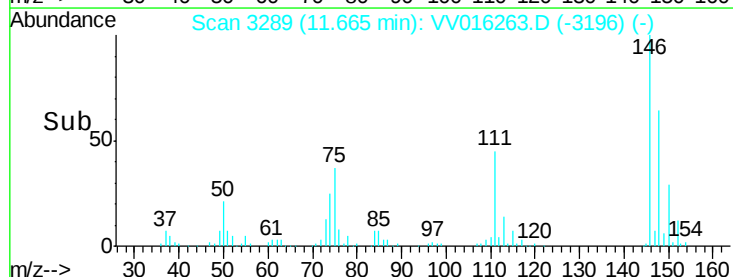
148 63.6 51.3 76.9

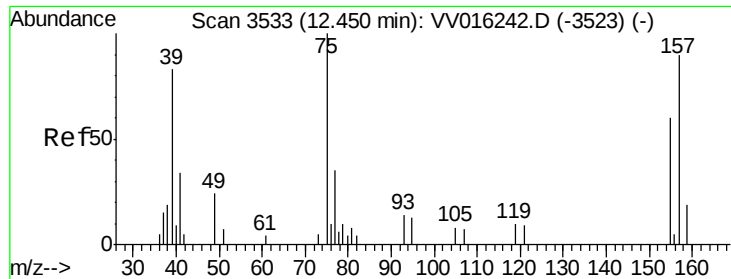


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

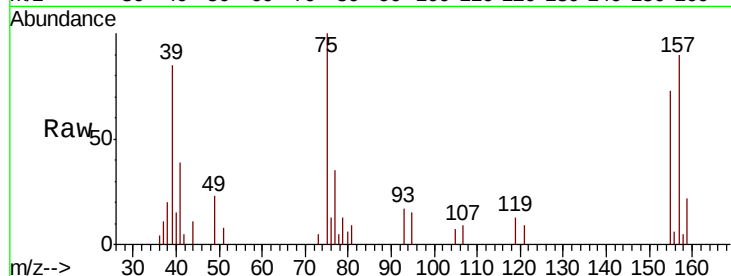




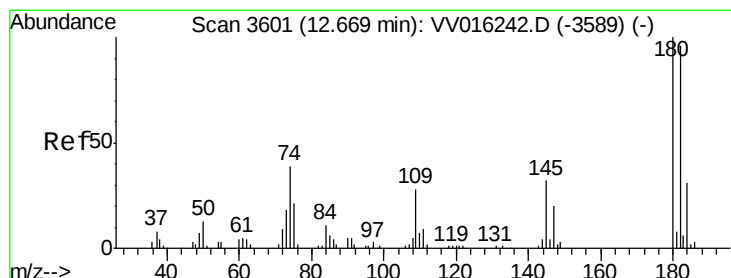
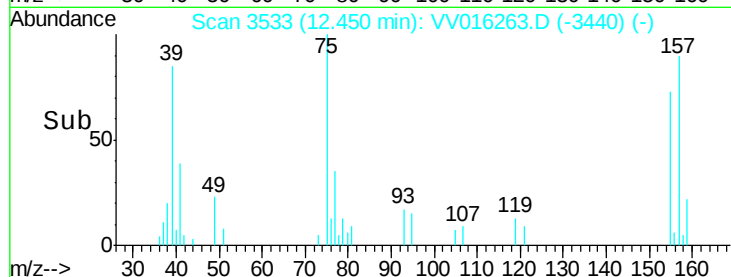
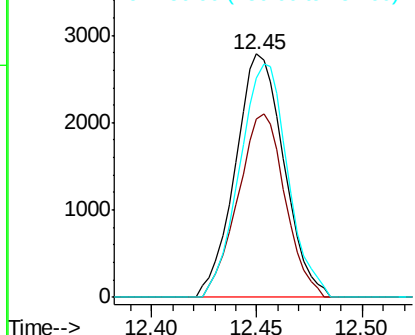
#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.390 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 4466
 Ion Ratio Lower Upper
 75 100
 155 73.4 56.2 84.4
 157 90.2 71.9 107.9

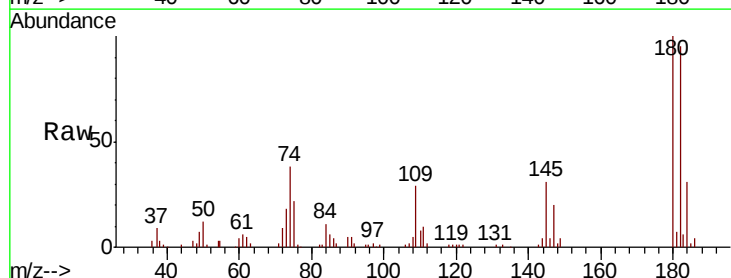


Abundance Ion 75.05 (74.75 to 75.75): VV016263.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016263.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016263.D (-3440) (-)

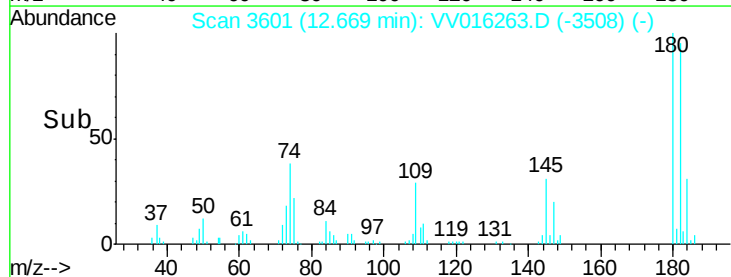
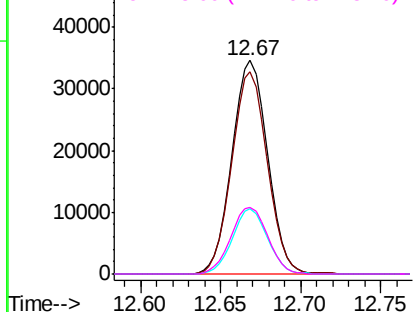


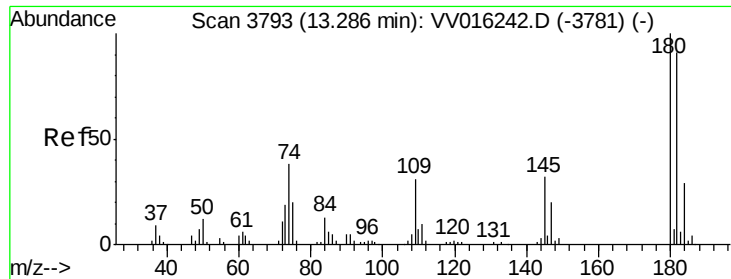
#68
 1,3,5-Trichlorobenzene
 Concen: 5.465 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion: 180 Resp: 52487
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.1 115.7
 184 30.0 25.0 37.4
 145 32.3 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016263.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016263.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016263.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016263.D (-3508) (-)

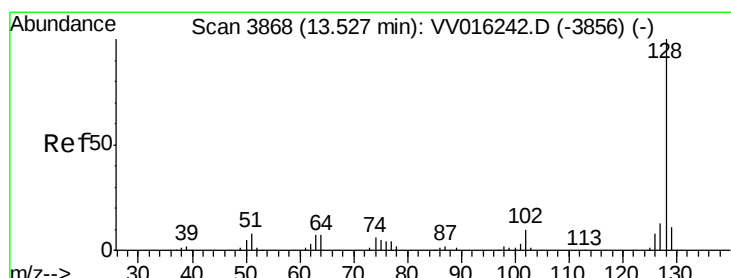
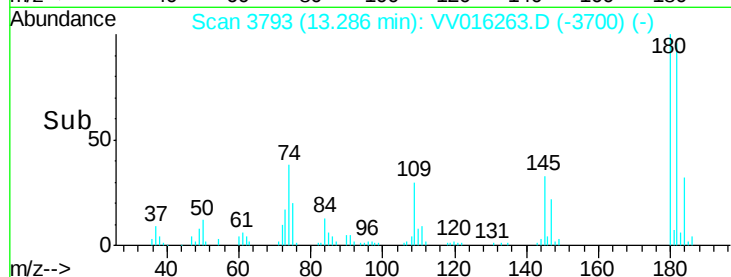
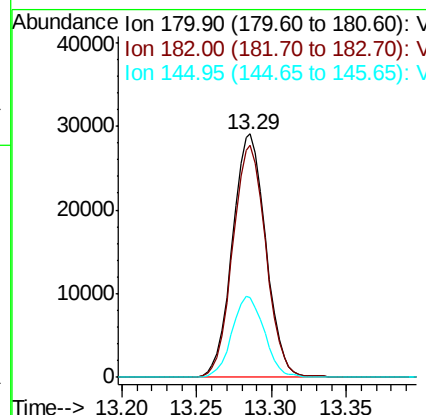
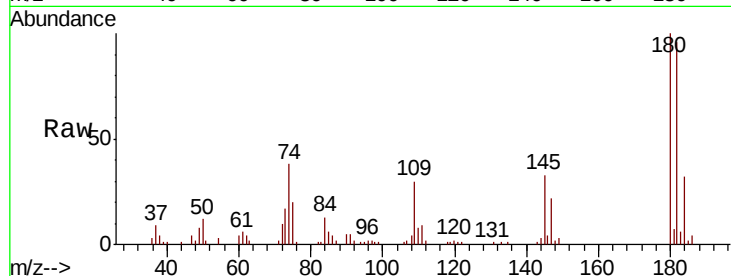




#69
 1,2,4-trichlorobenzene
 Concen: 5.357 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

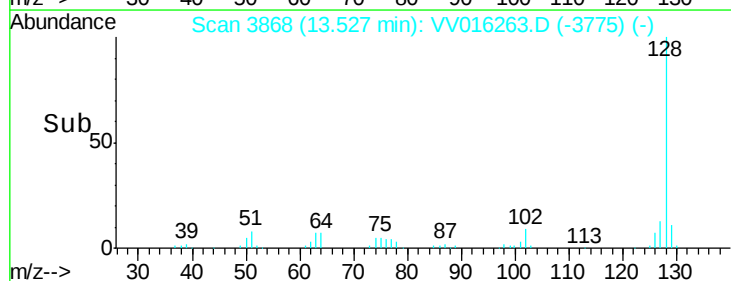
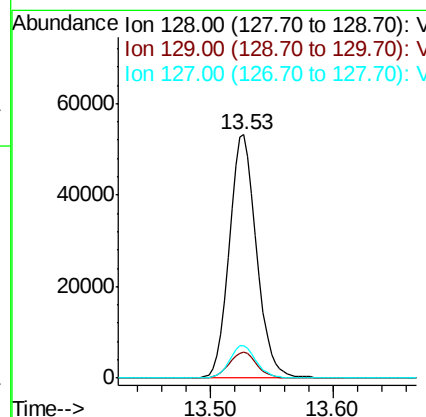
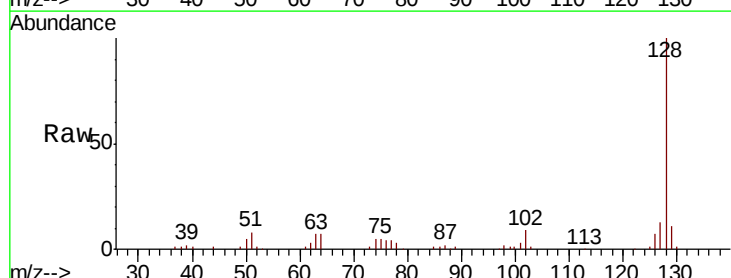
Instrument :
 MSVOA_V
 ClientSampleId :

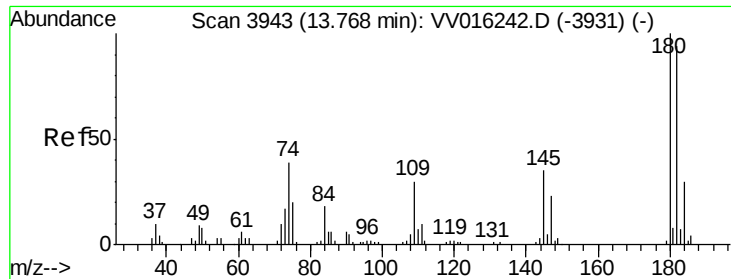
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.0	112.4
145	32.2	27.1	40.7



#70
 Naphthalene
 Concen: 4.523 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.2	10.6	15.8

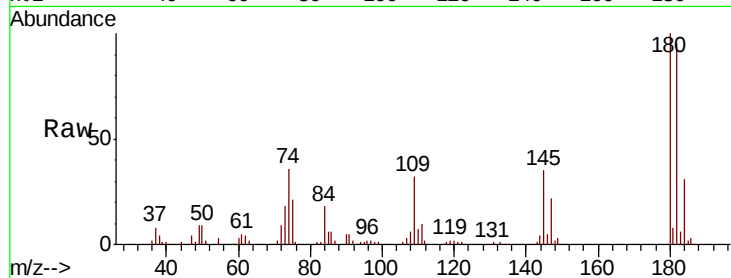




#71
 1,2,3-Trichlorobenzene
 Concen: 5.353 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016263.D
 Acq: 28 May 2020 05:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.1	115.7
145	34.5	28.6	42.8



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

