

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018414.D
 Acq On : 23 Sep 2020 15:40
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Sep 24 07:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:48:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287030	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146784	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79797	44.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.10%
7) Chloroethane-d5	1.58	69	71819	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.10%
11) 1,1-Dichloroethene-d2	2.12	63	127313	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	3.92	46	128365	98.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.38	84	168825	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	5.06	65	113770	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
32) Benzene-d6	5.08	84	339557	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.09	67	112252	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.34%
41) Toluene-d8	7.34	98	309381	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.64	79	54262	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.11	63	80311	93.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.62%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	134659	44.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.98%
66) 1,2-Dichlorobenzene-d4	11.65	152	134013	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3818	1.772 ug/L	99
3) Chloromethane	1.25	50	4691	1.963 ug/L	95
5) Vinyl chloride	1.32	62	4926	2.014 ug/L #	67
6) Bromomethane	1.53	94	3054	1.965 ug/L	94
8) Chloroethane	1.60	64	3052	1.936 ug/L	99
9) Trichlorofluoromethane	1.77	101	6394	1.839 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4947	2.320 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	4733	2.334 ug/L #	1
13) Acetone	2.20	43	6468	3.938 ug/L	99
14) Carbon disulfide	2.31	76	11198	1.945 ug/L	99
15) Methyl Acetate	2.46	43	3735	1.723 ug/L	100
16) Methylene chloride	2.53	84	4914	2.141 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3940	1.920 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	11314	1.774 ug/L	98
19) 1,1-Dichloroethane	3.22	63	7312	1.835 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4060	1.835 ug/L	94
23) Bromochloromethane	4.29	128	2178	1.838 ug/L	79

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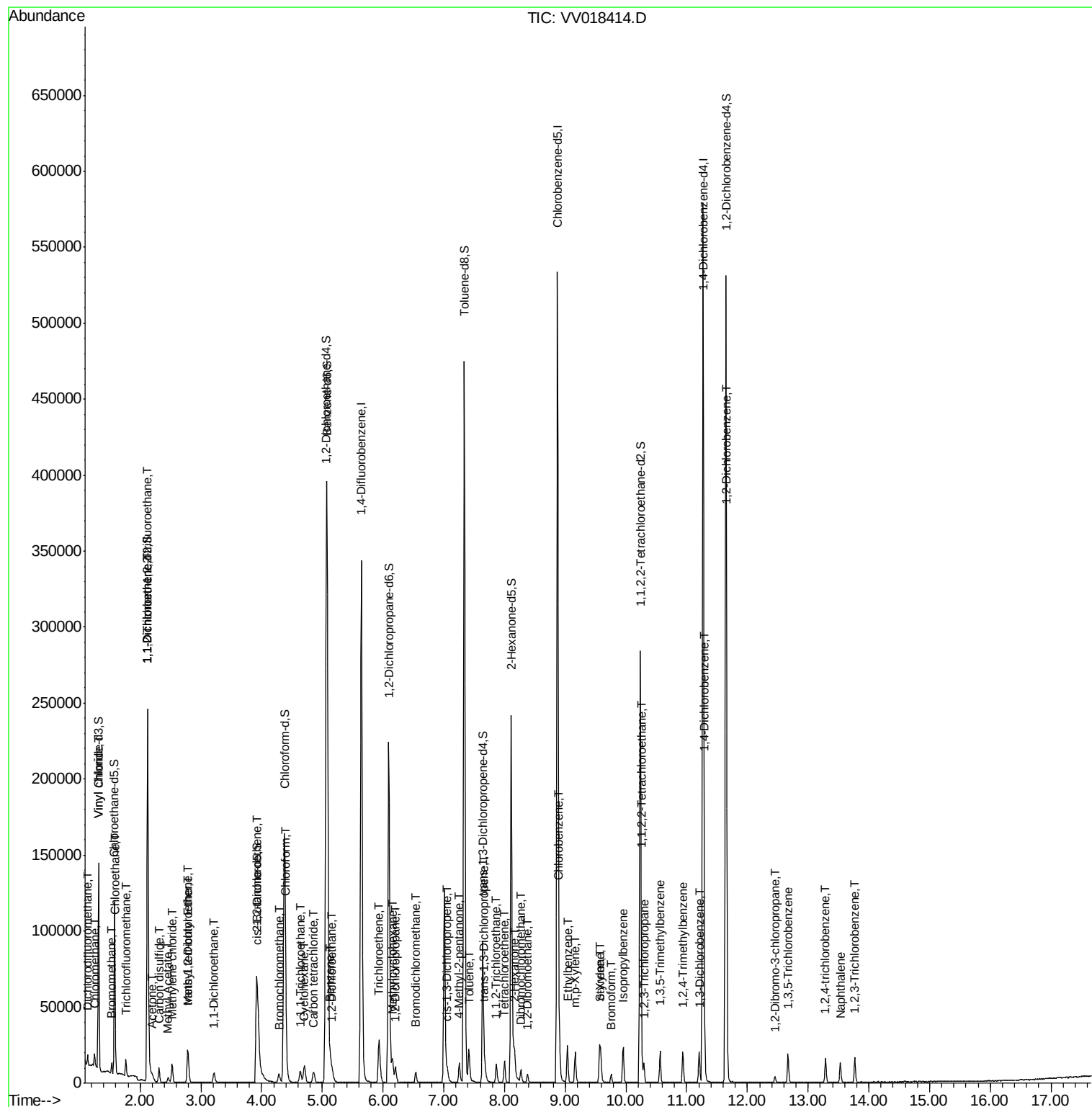
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	9588	2.380	ug/L	99
27) 1,2-Dichloroethane	5.17	62	6035	1.933	ug/L	97
29) Cyclohexane	4.71	56	5871	1.758	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	6265	1.775	ug/L	96
31) Carbon tetrachloride	4.86	117	5150	1.673	ug/L	93
33) Benzene	5.13	78	16766	1.950	ug/L	100
34) Trichloroethene	5.94	95	4792	2.028	ug/L	97
35) Methylcyclohexane	6.15	83	5888	1.716	ug/L	99
37) 1,2-Dichloropropane	6.21	63	3999	1.759	ug/L	99
38) Bromodichloromethane	6.54	83	5346	1.797	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	6357	1.864	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	8697	3.224	ug/L	99
42) Toluene	7.41	91	16554	1.836	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5919	1.751	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	3923	1.833	ug/L	97
46) Tetrachloroethene	8.00	164	3193	1.725	ug/L	91
48) 2-Hexanone	8.17	43	12235	5.352	ug/L #	96
49) Dibromochloromethane	8.27	129	4352	1.826	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4074	1.828	ug/L #	97
51) Chlorobenzene	8.90	112	11336	1.881	ug/L	95
52) Ethylbenzene	9.04	91	17027	1.716	ug/L	98
53) m,p-Xylene	9.16	106	5937	1.602	ug/L	100
54) o-Xylene	9.57	106	5719	1.602	ug/L	90
55) Styrene	9.59	104	9212	1.475	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	6199	1.986	ug/L	97
59) Bromoform	9.75	173	2806	1.710	ug/L #	94
60) Isopropylbenzene	9.95	105	14658	1.620	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5372	2.109	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	11061	1.510	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	10842	1.442	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	8825	1.919	ug/L	96
65) 1,4-Dichlorobenzene	11.30	146	9432	1.957	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	9202	1.990	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1119	1.739	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	6591	1.838	ug/L	98
70) 1,2,4-trichlorobenzene	13.29	180	5636	1.754	ug/L	97
71) Naphthalene	13.53	128	11714	1.406	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	5459	1.691	ug/L	100

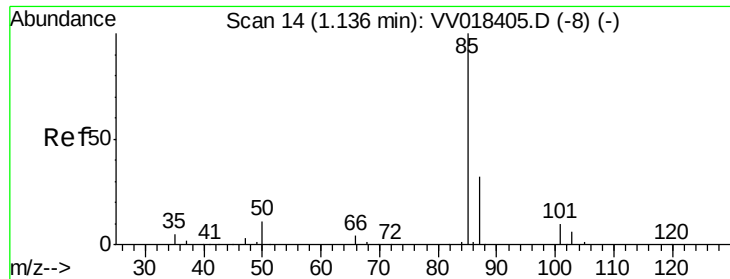
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.772 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

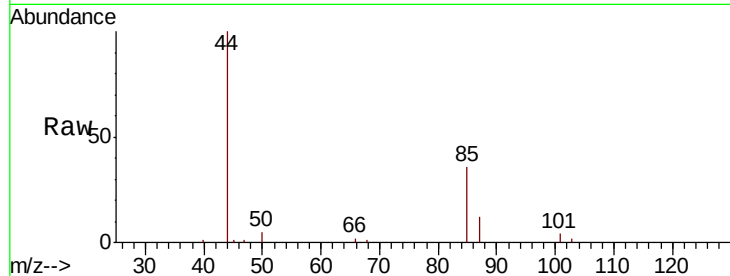
MDL03

Tot Ion: 85 Resp: 3818

Ion Ratio Lower Upper

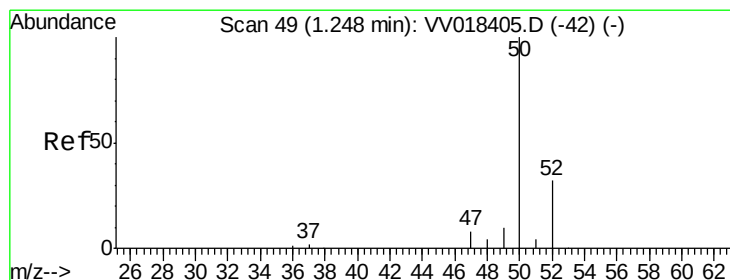
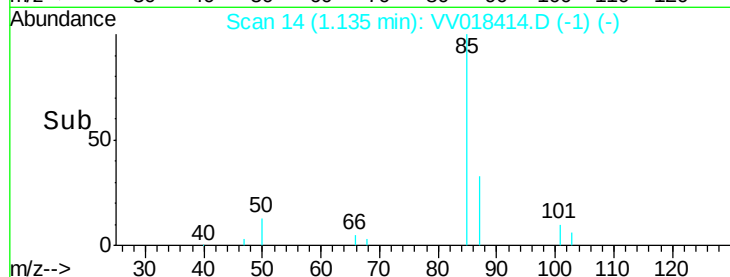
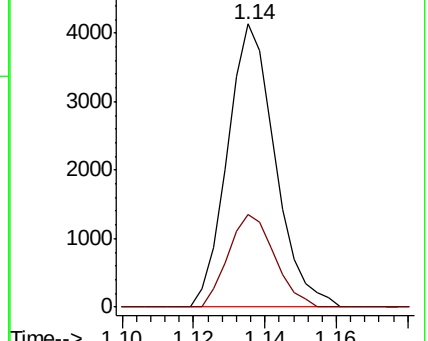
85 100

87 31.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.963 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018414.D

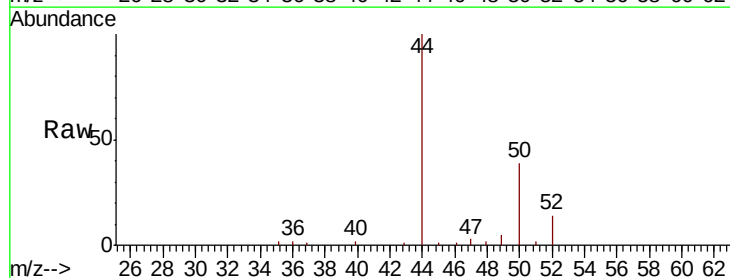
Acq: 23 Sep 2020 15:40

Tgt Ion: 50 Resp: 4691

Ion Ratio Lower Upper

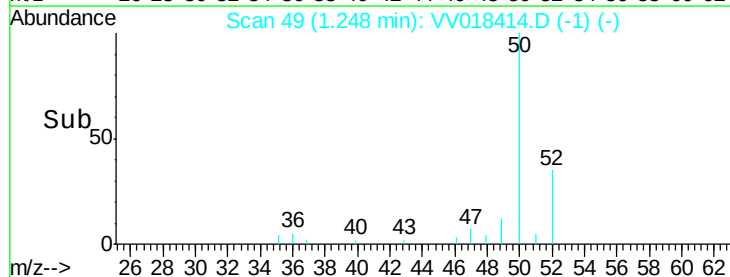
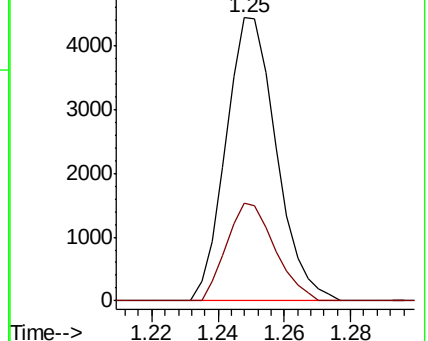
50 100

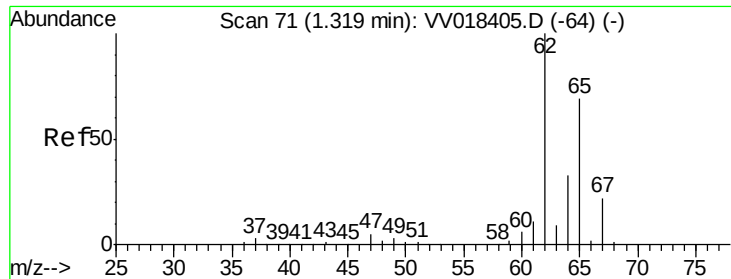
52 34.7 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.014 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

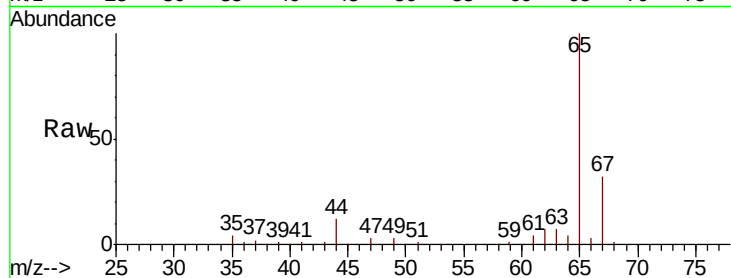
MDL03

Tot Ion: 62 Resp: 4926

Ion Ratio Lower Upper

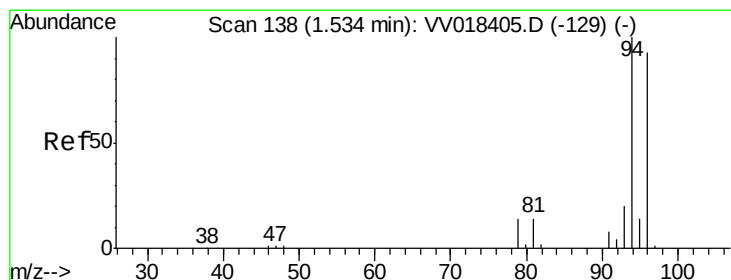
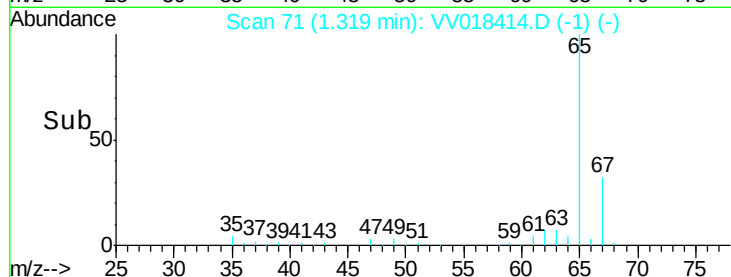
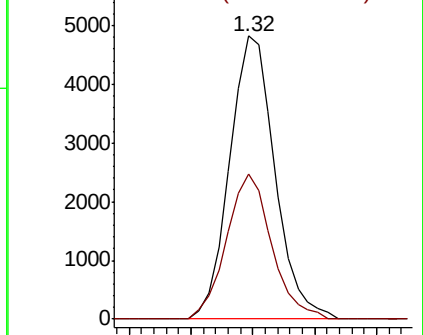
62 100

64 51.2 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.965 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018414.D

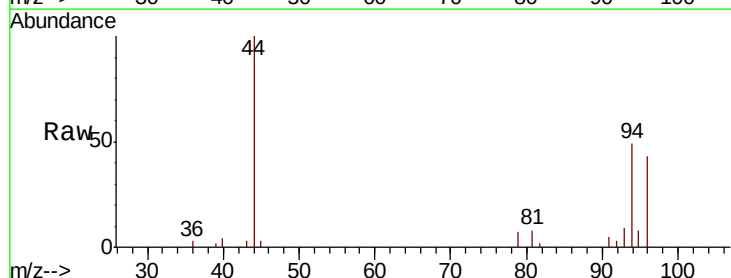
Acq: 23 Sep 2020 15:40

Tgt Ion: 94 Resp: 3054

Ion Ratio Lower Upper

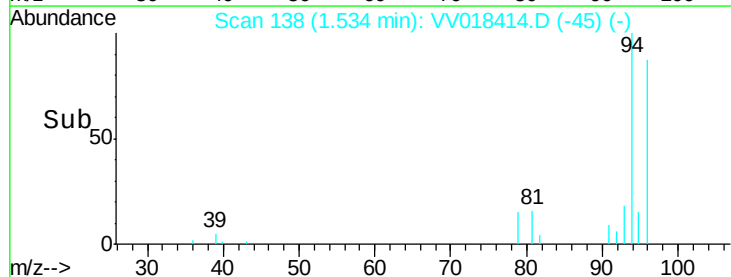
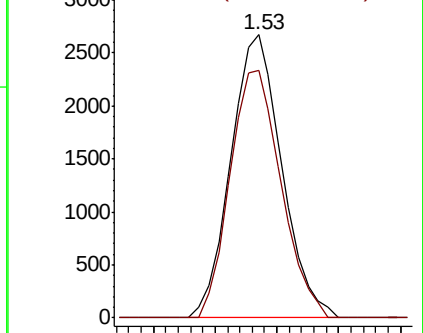
94 100

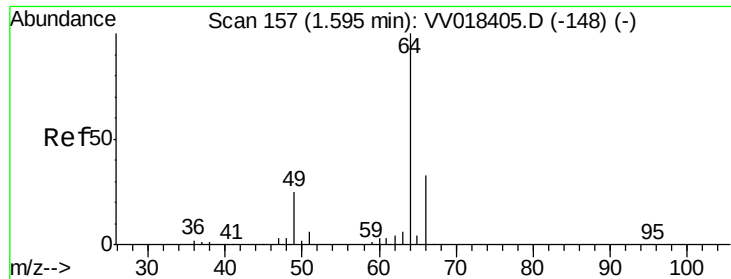
96 87.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.936 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

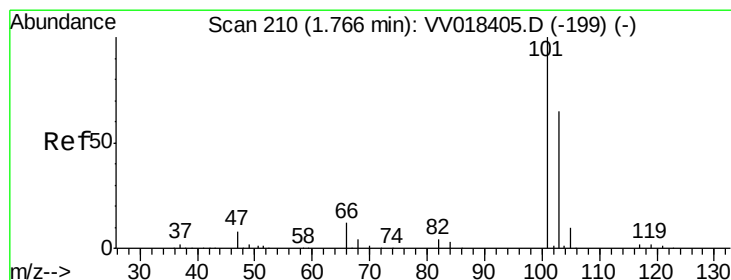
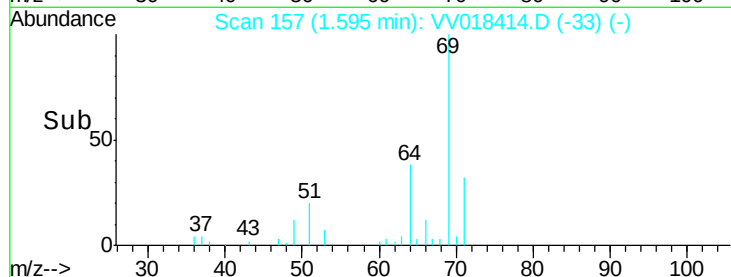
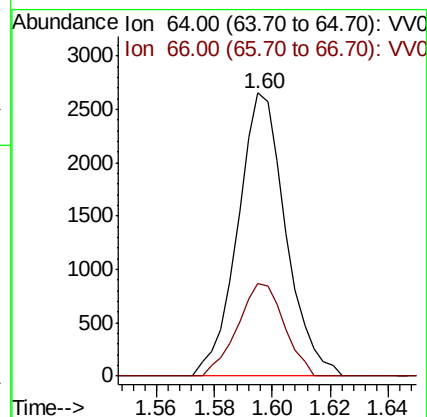
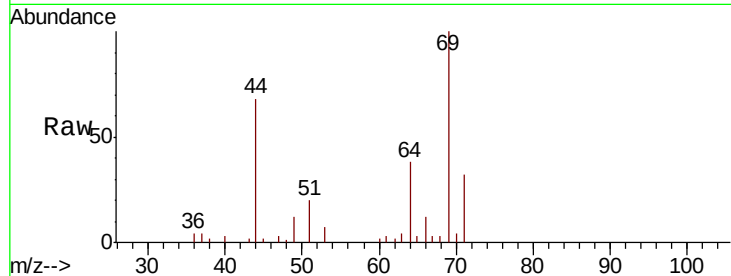
MDL03

Tot Ion: 64 Resp: 3052

Ion Ratio Lower Upper

64 100

66 32.5 23.0 42.6



#9

Trichlorofluoromethane

Concen: 1.839 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018414.D

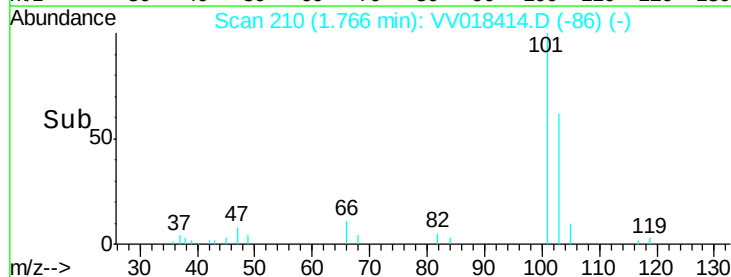
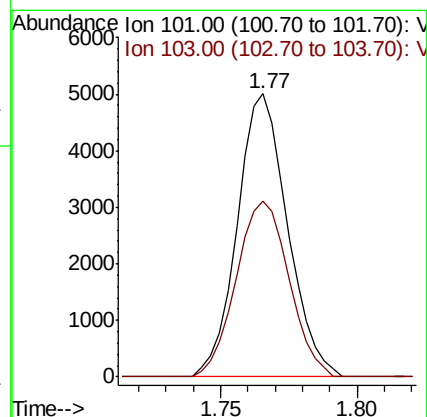
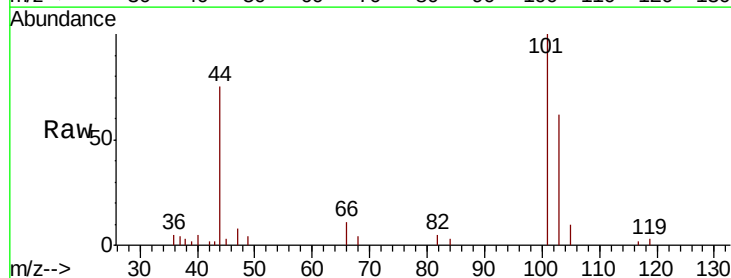
Acq: 23 Sep 2020 15:40

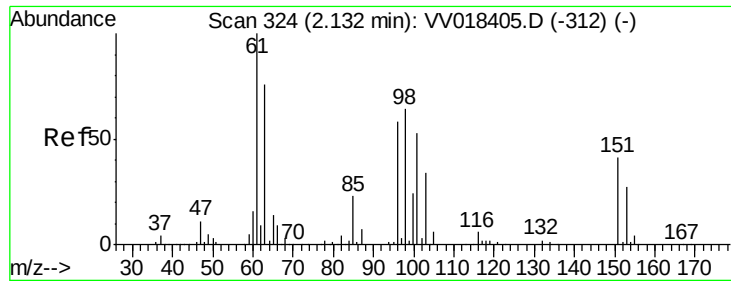
Tgt Ion: 101 Resp: 6394

Ion Ratio Lower Upper

101 100

103 65.3 52.1 78.1





#10

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

Concen: 2.320 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

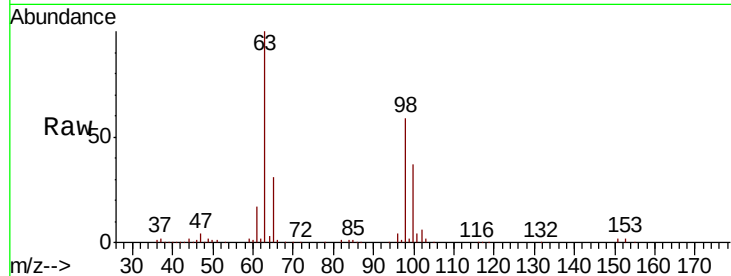
Tot Ion:101 Resp: 4947

Ion Ratio Lower Upper

101 100

85 34.2 34.6 51.8#

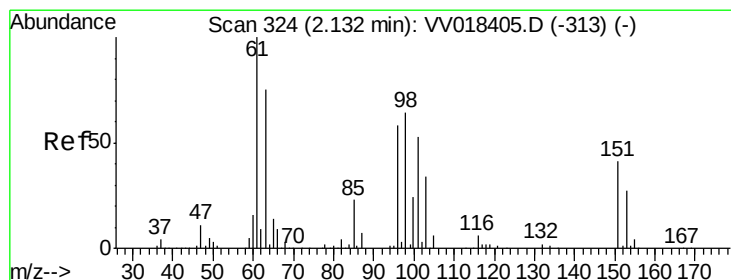
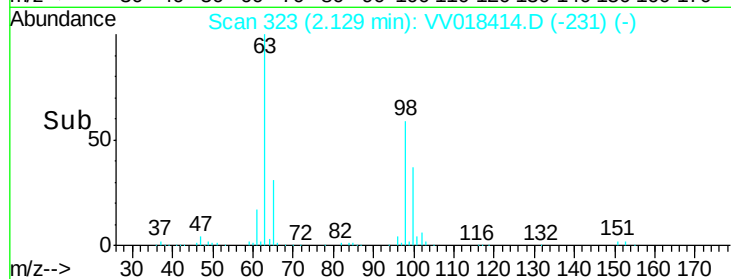
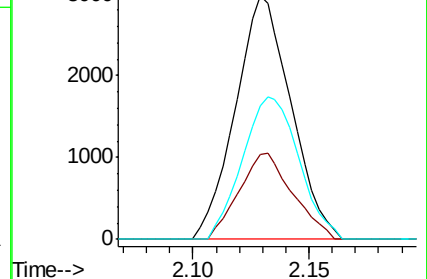
151 59.5 62.4 93.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.334 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

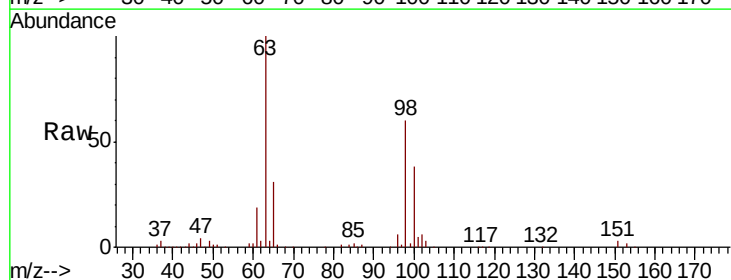
Tgt Ion: 96 Resp: 4733

Ion Ratio Lower Upper

96 100

61 326.8 121.0 224.8#

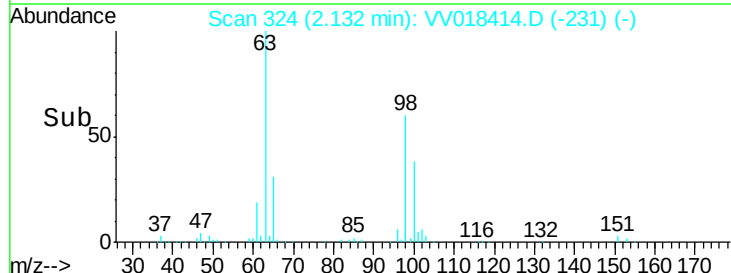
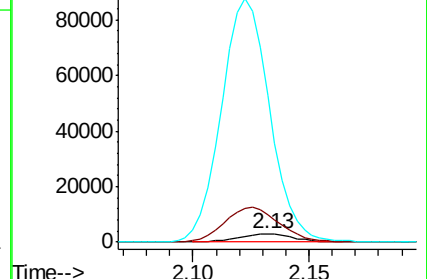
63 1715.3 93.0 172.6#

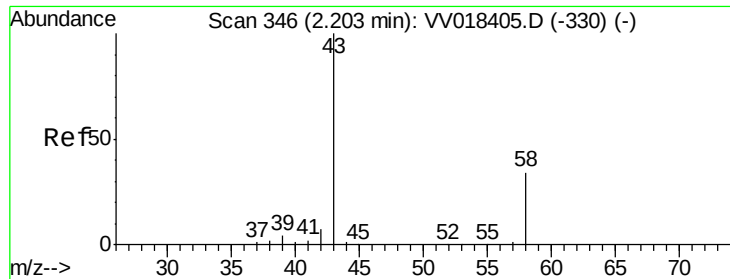


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.938 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

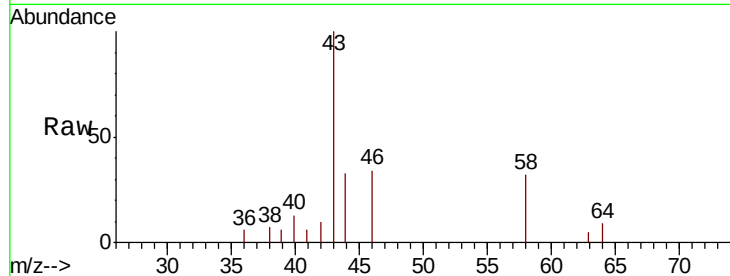
MDL03

Tot Ion: 43 Resp: 6468

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018414.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VV018414.D (-253) (-)

2500

2000

1500

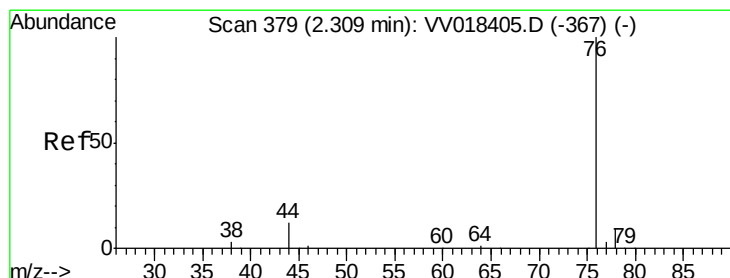
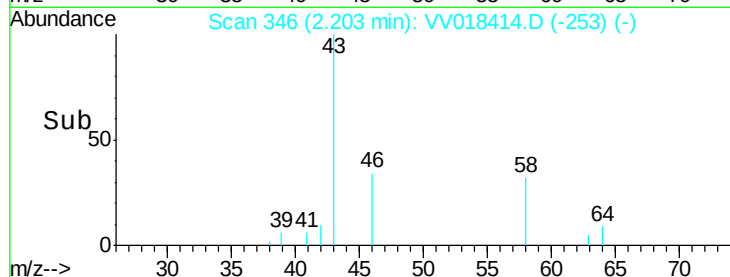
1000

500

0

2.10 2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 1.945 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018414.D

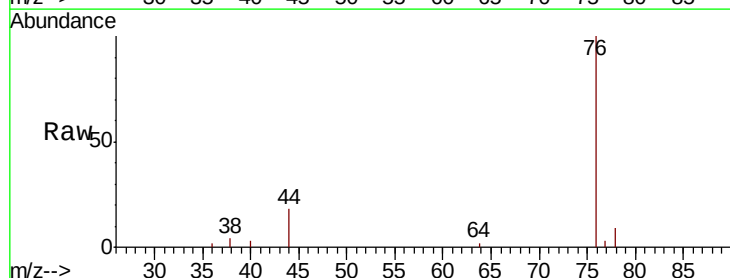
Acq: 23 Sep 2020 15:40

Tgt Ion: 76 Resp: 11198

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018414.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018414.D (-286) (-)

8000

6000

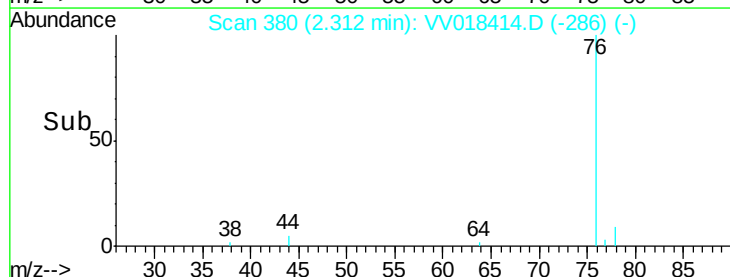
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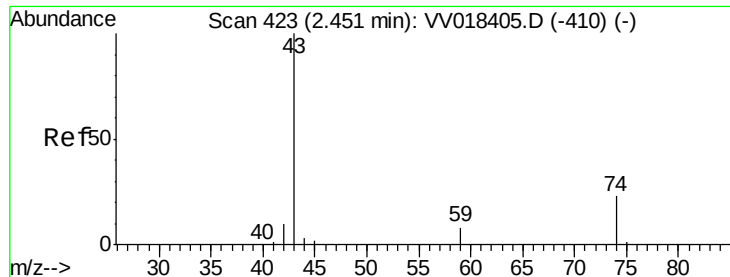
2000

0

2.25 2.30 2.35

Time-->





#15

Methvl Acetate

Concen: 1.723 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

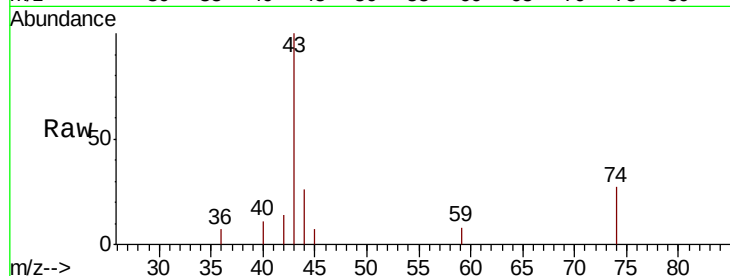
MDL03

Tot Ion: 43 Resp: 3735

Ion Ratio Lower Upper

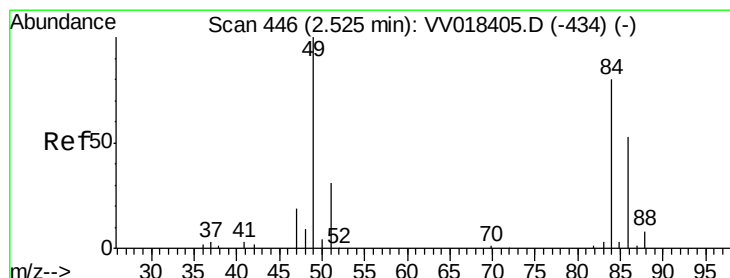
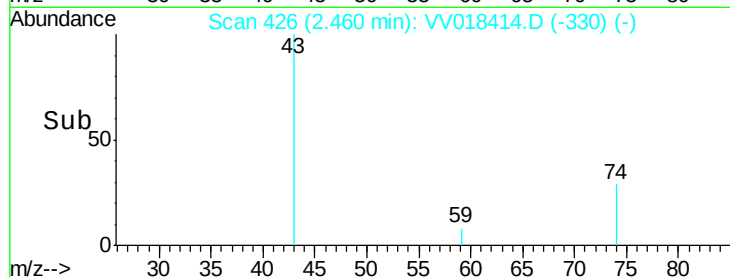
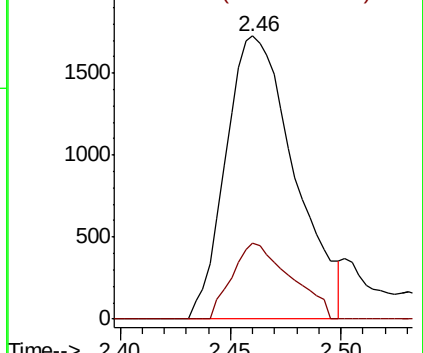
43 100

74 22.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 2.141 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

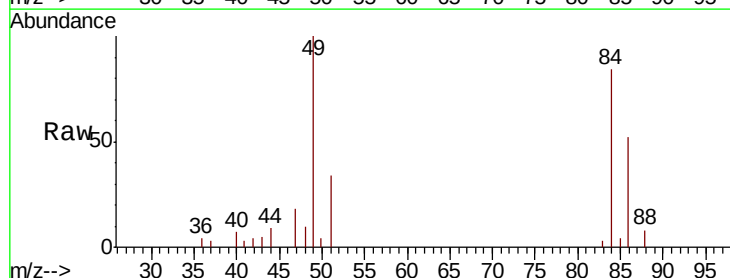
Tgt Ion: 84 Resp: 4914

Ion Ratio Lower Upper

84 100

86 61.3 46.0 85.4

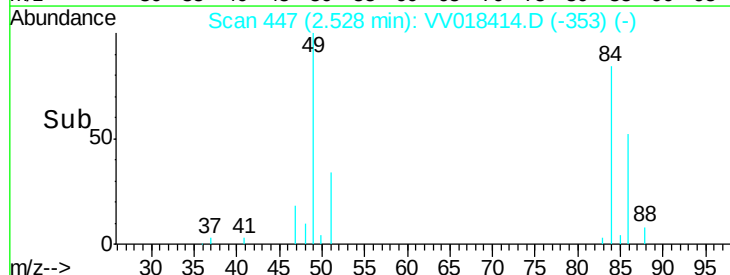
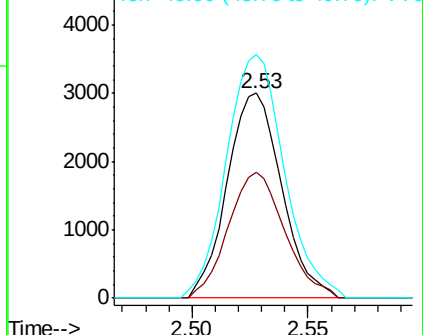
49 118.9 87.5 162.5

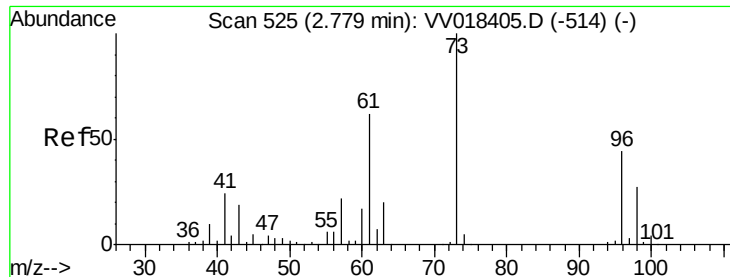


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

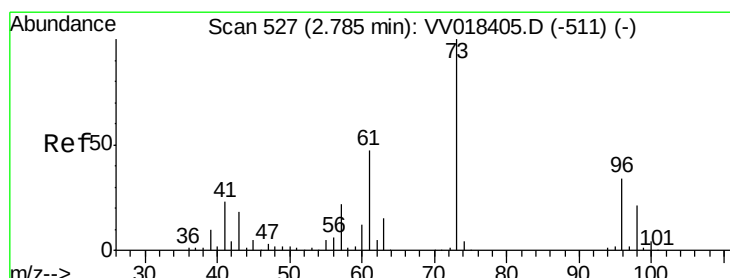
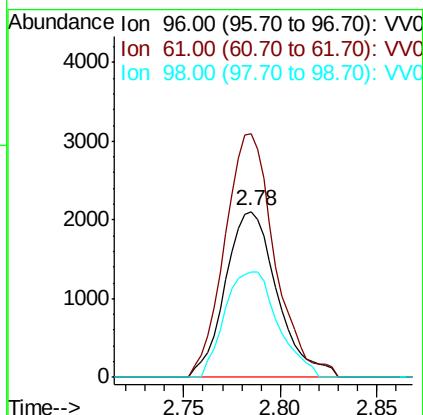
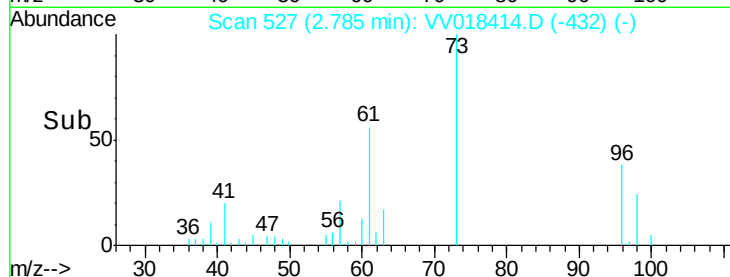
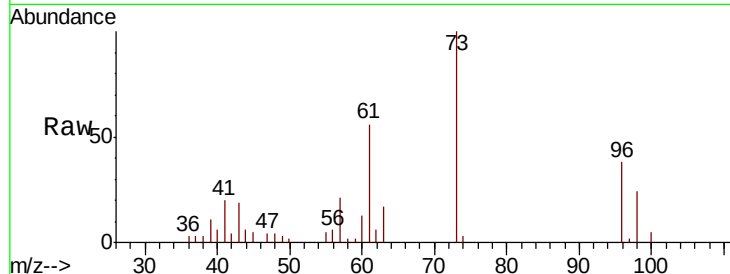




#17
trans-1,2-Dichloroethene
Concen: 1.920 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

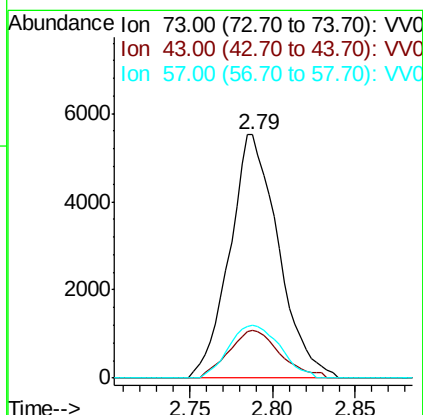
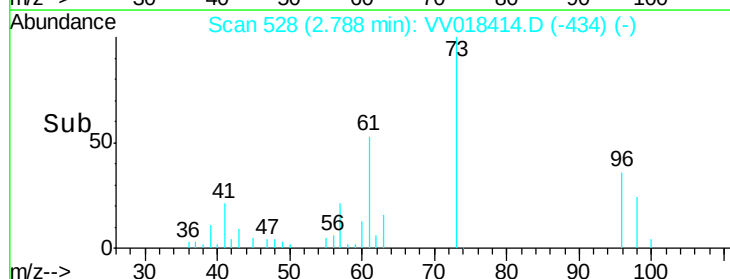
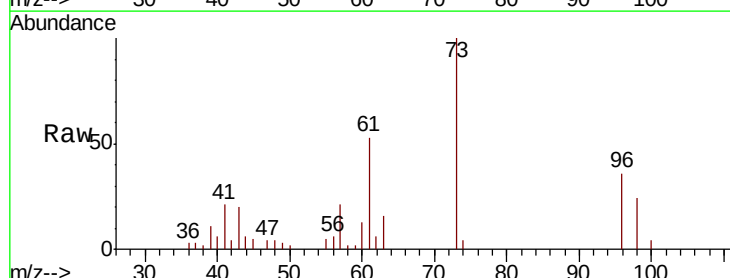
Instrument :
MSVOA_V
ClientSampleId :
MDL03

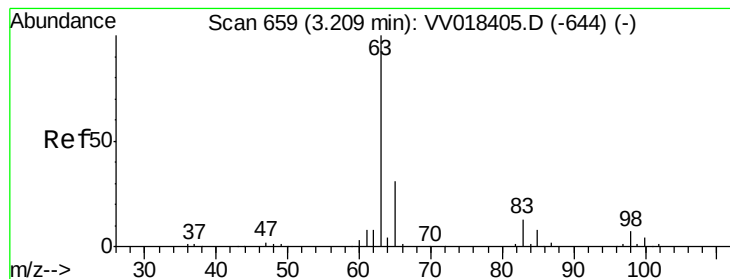
Tot Ion: 96 Resp: 3940
Ion Ratio Lower Upper
96 100
61 146.9 98.3 182.5
98 63.4 43.5 80.7



#18
Methyl tert-butyl Ether
Concen: 1.774 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion: 73 Resp: 11314
Ion Ratio Lower Upper
73 100
43 20.3 15.4 23.2
57 22.9 17.8 26.6





#19

1,1-Dichloroethane

Concen: 1.835 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

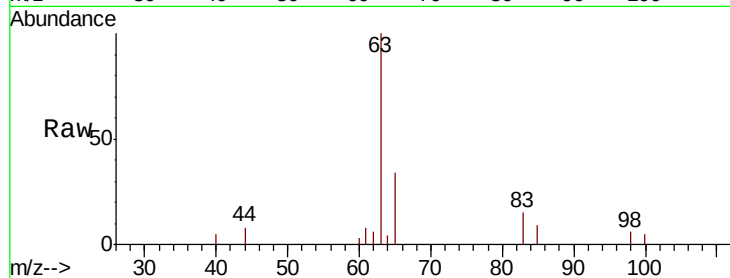
Tot Ion: 63 Resp: 7312

Ion Ratio Lower Upper

63 100

65 33.6 21.8 40.6

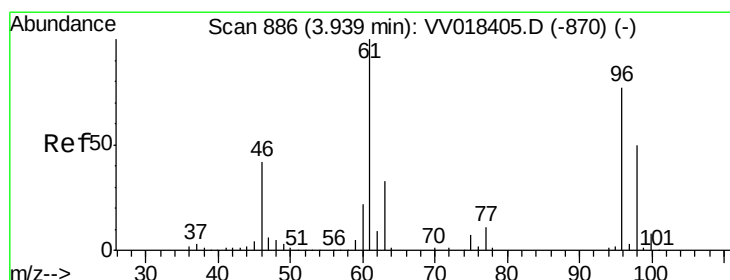
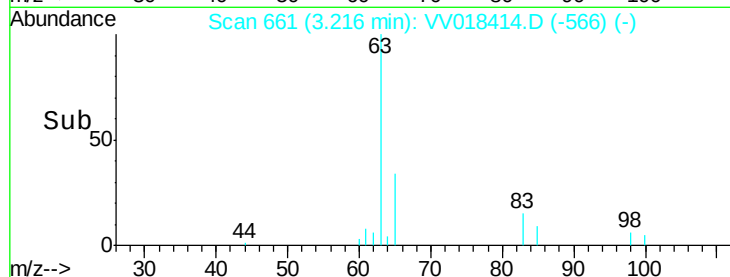
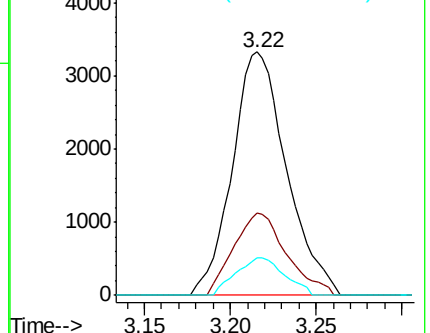
83 15.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1.835 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

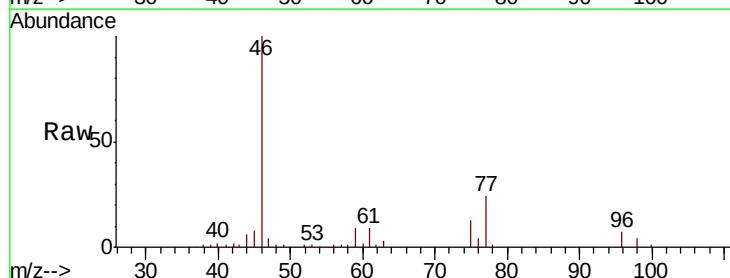
Tgt Ion: 96 Resp: 4060

Ion Ratio Lower Upper

96 100

61 135.8 90.4 167.8

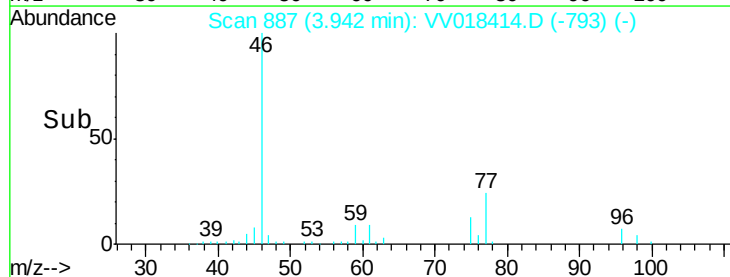
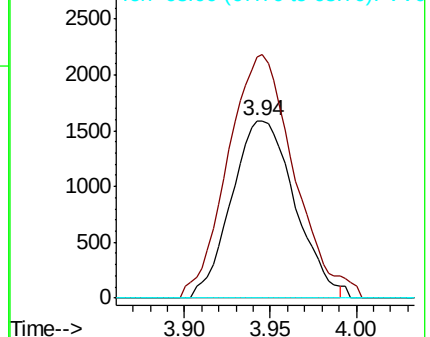
68 0.0 0.0 0.0

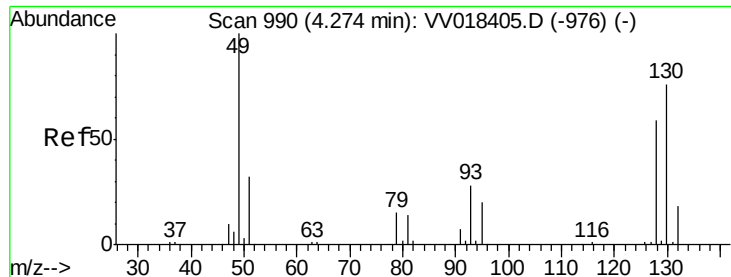


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

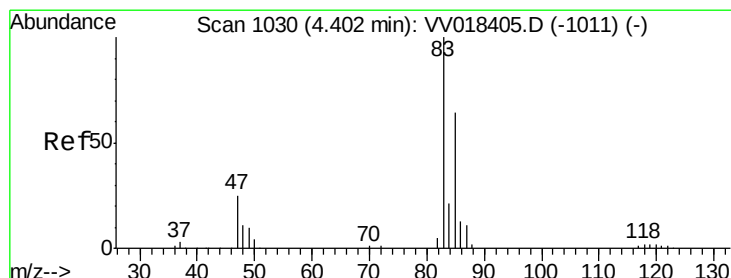
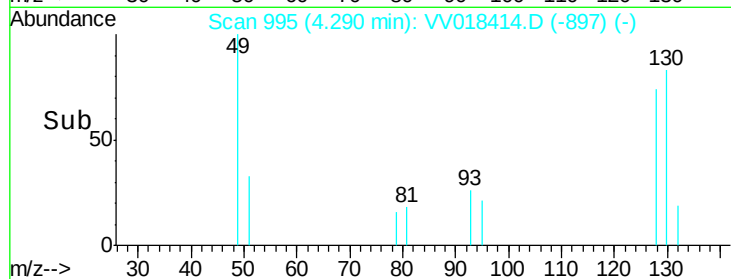
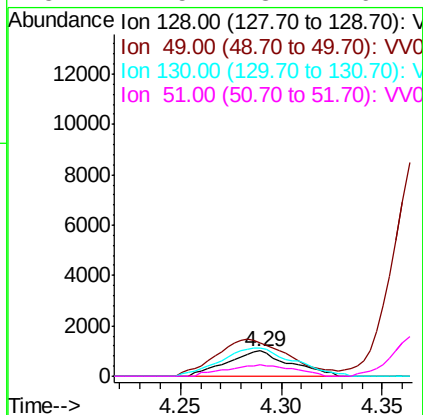
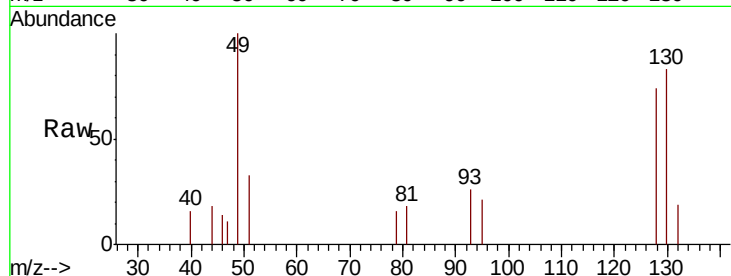




#23
 Bromochloromethane
 Concen: 1.838 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

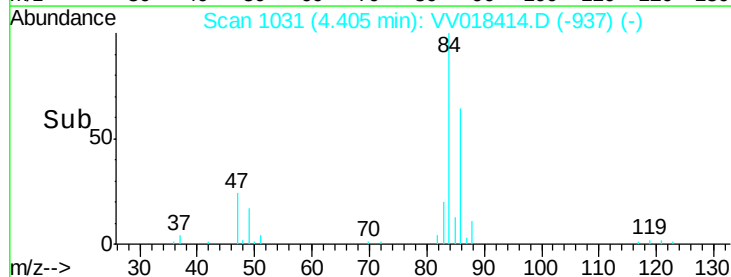
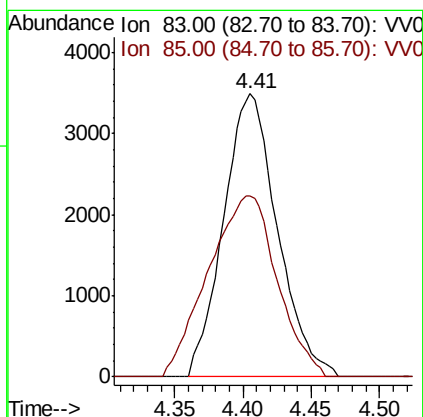
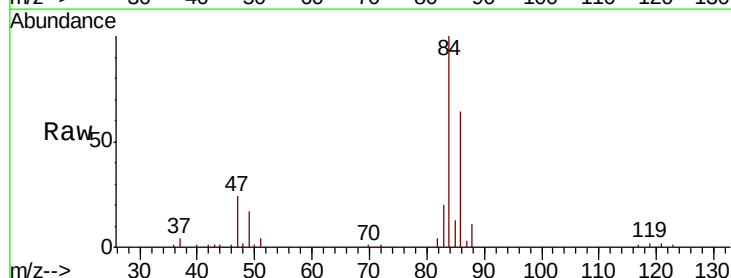
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

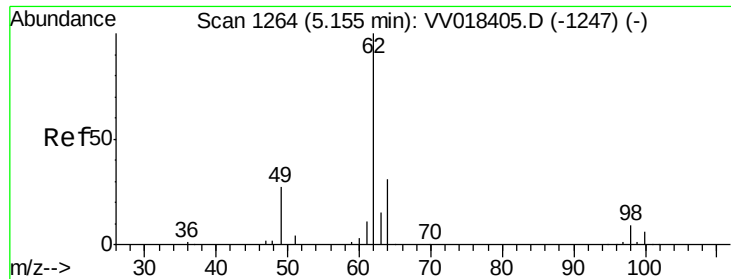
Tot Ion:	128	Resp:	2178
Ion	Ratio	Lower	Upper
128	100		
49	134.7	120.3	223.3
130	112.3	91.3	169.5
51	44.5	43.1	64.7



#25
 Chloroform
 Concen: 2.380 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:	83	Resp:	9588
Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.2	84.0

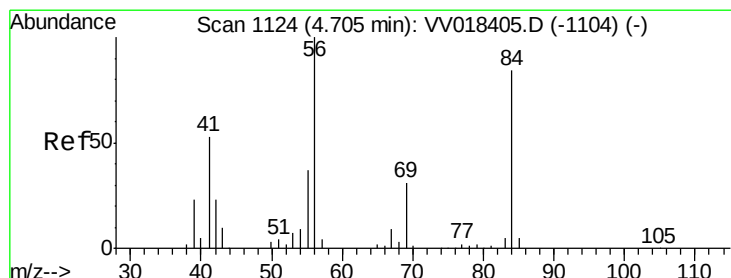
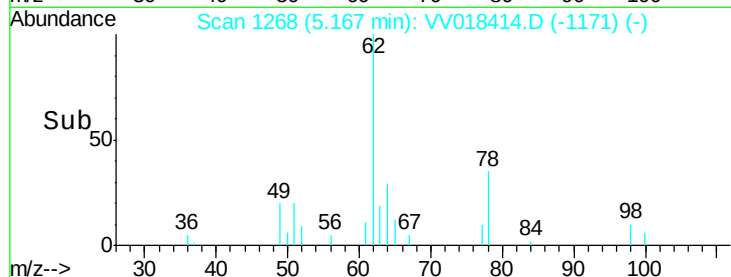
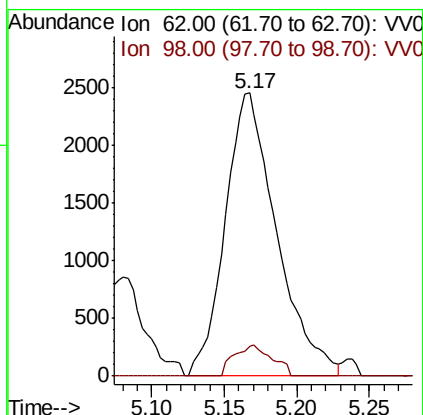
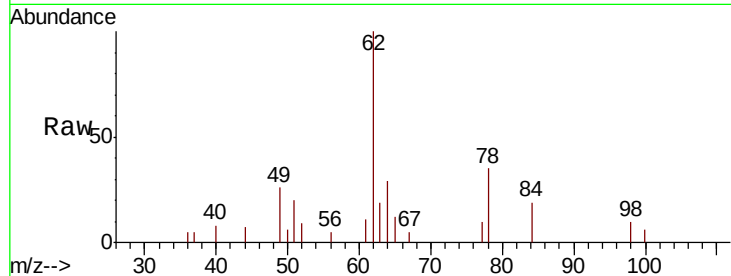




#27
 1,2-Dichloroethane
 Concen: 1.933 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

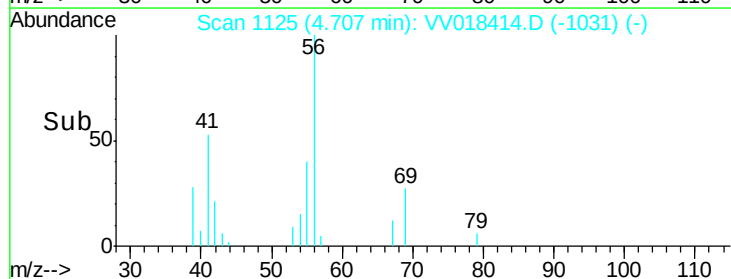
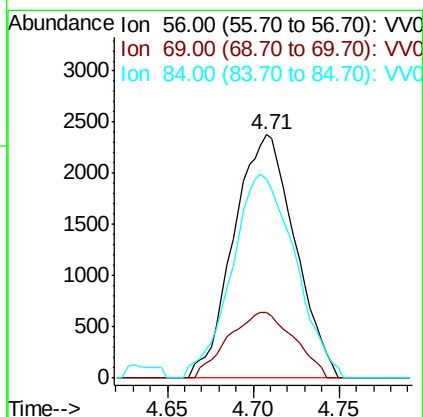
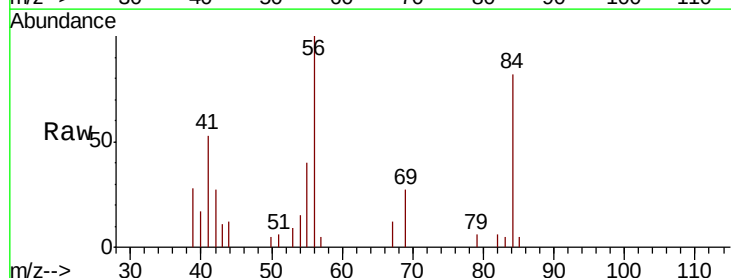
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

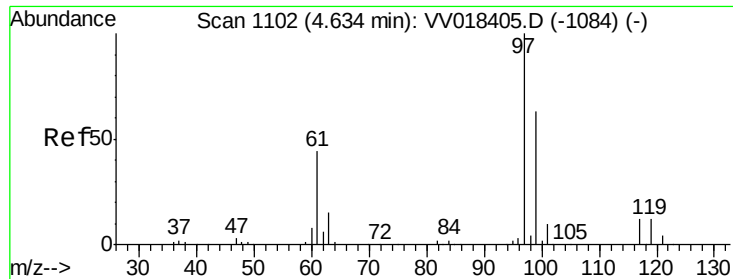
Tot Ion: 62 Resp: 6035
 Ion Ratio Lower Upper
 62 100
 98 10.5 7.4 11.2



#29
 Cyclohexane
 Concen: 1.758 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion: 56 Resp: 5871
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.4 36.6
 84 86.8 68.6 102.8

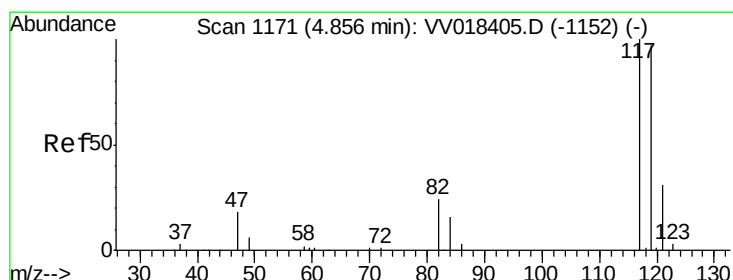
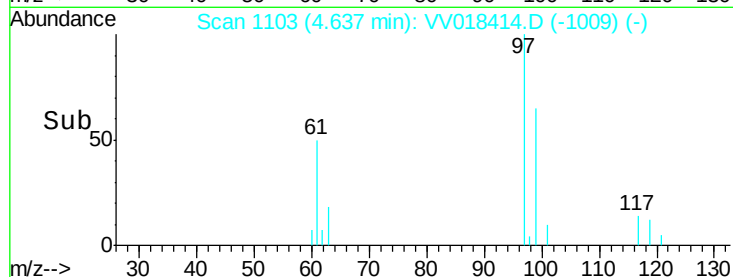
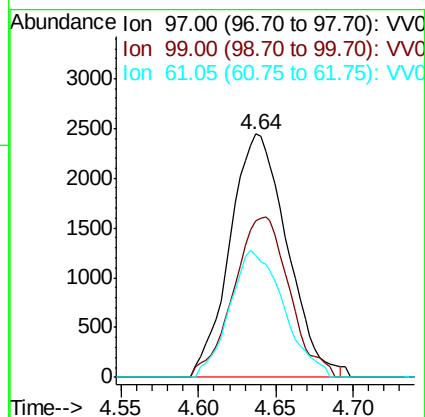
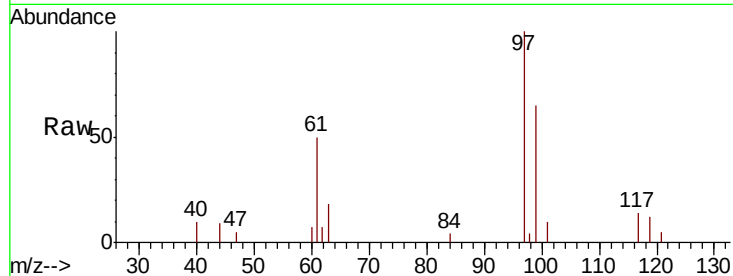




#30
 1,1,1-Trichloroethane
 Concen: 1.775 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

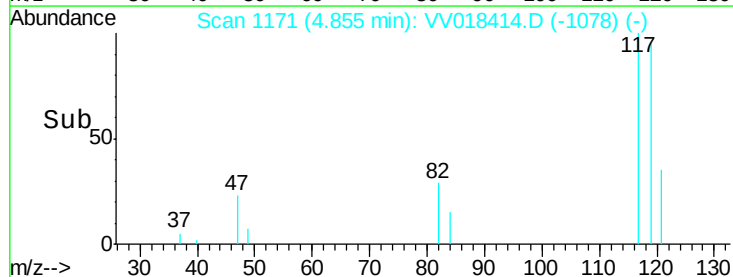
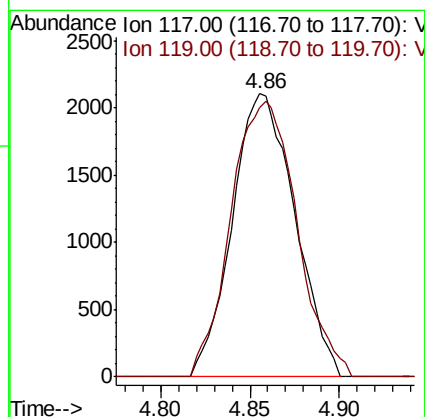
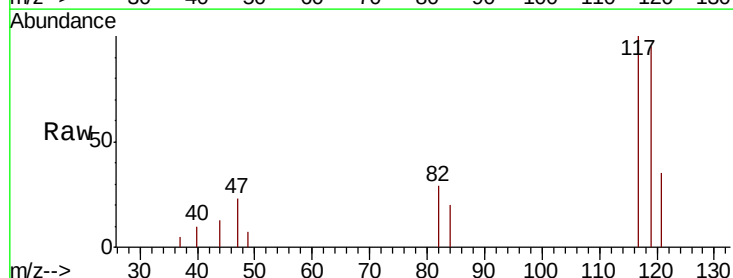
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

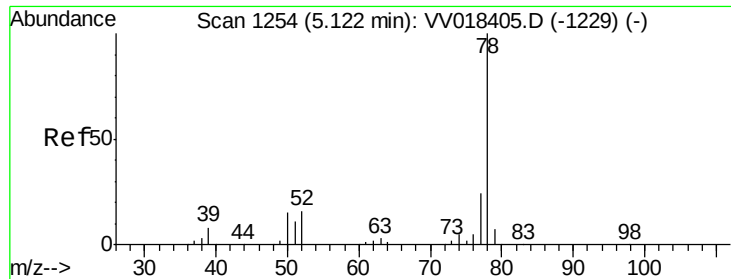
Tot Ion: 97 Resp: 6265
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.7 76.1
 61 49.3 35.0 52.6



#31
 Carbon tetrachloride
 Concen: 1.673 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion: 117 Resp: 5150
 Ion Ratio Lower Upper
 117 100
 119 102.8 76.7 115.1





#33

Benzene

Concen: 1.950 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

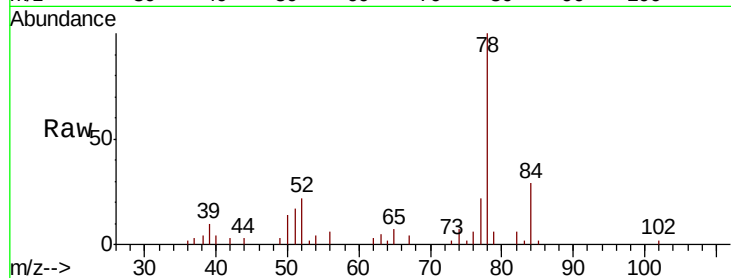
Instrument :

MSVOA_V

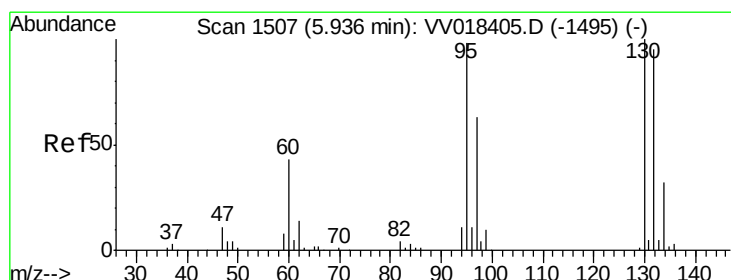
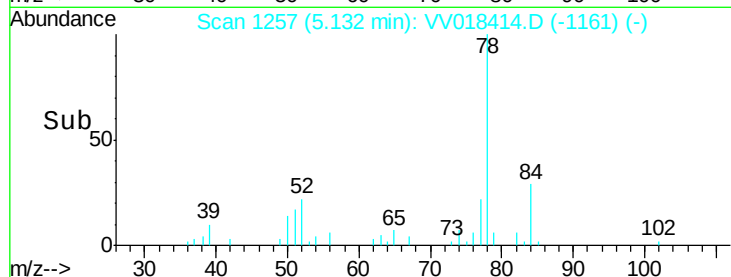
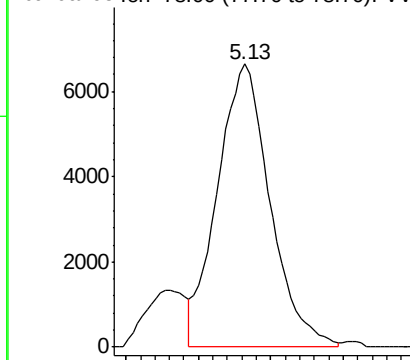
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 16766



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.028 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion: 95 Resp: 4792

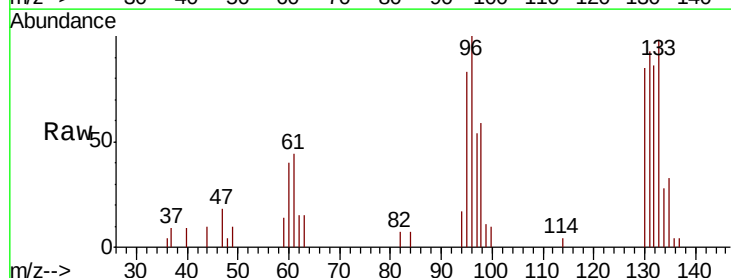
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	83.1
132	103.7	67.8	126.0
130	101.9	71.5	132.7

95 100

97 64.8 44.7 83.1

132 103.7 67.8 126.0

130 101.9 71.5 132.7

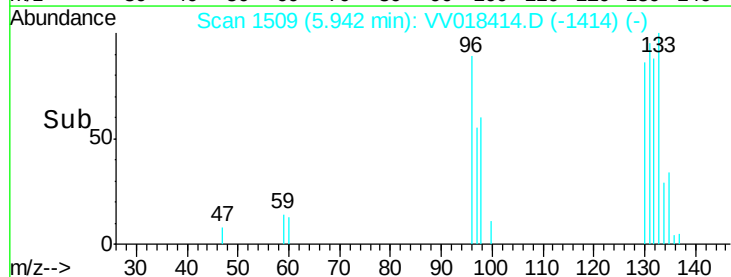
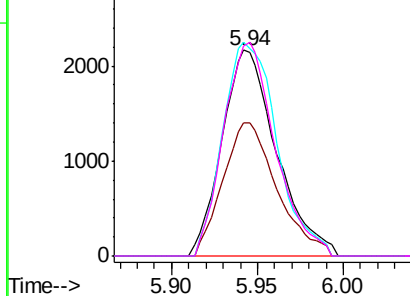


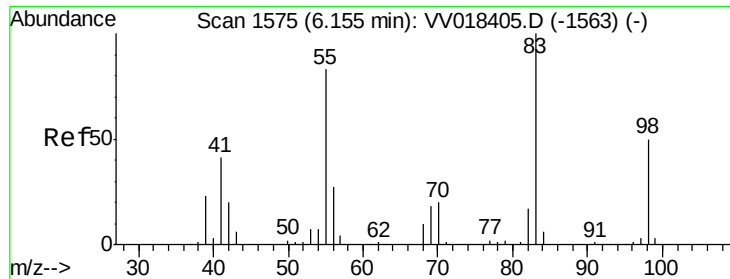
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

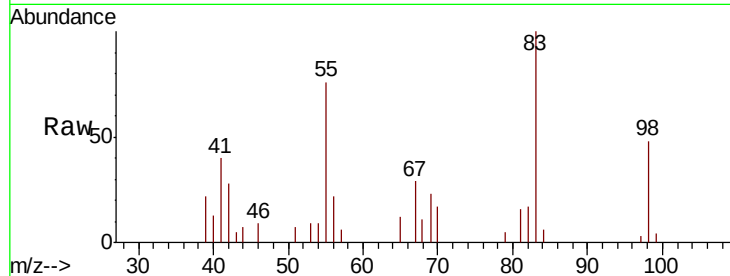




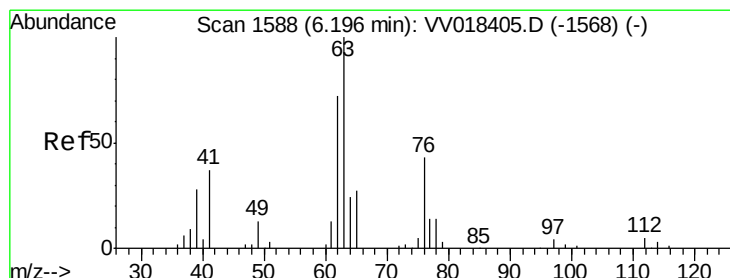
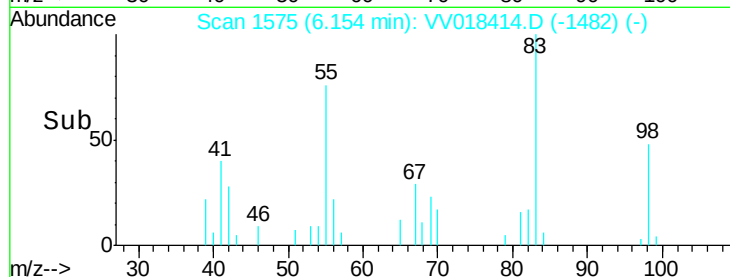
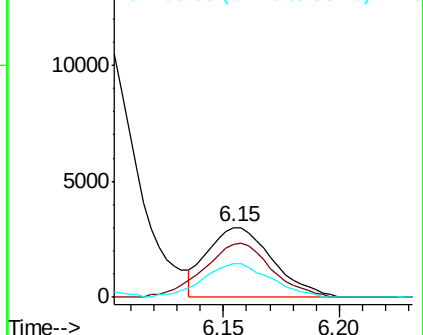
#35
Methylvlcyclohexane
Concen: 1.716 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 5888
Ion Ratio Lower Upper
83 100
55 80.2 63.6 95.4
98 49.9 38.6 58.0

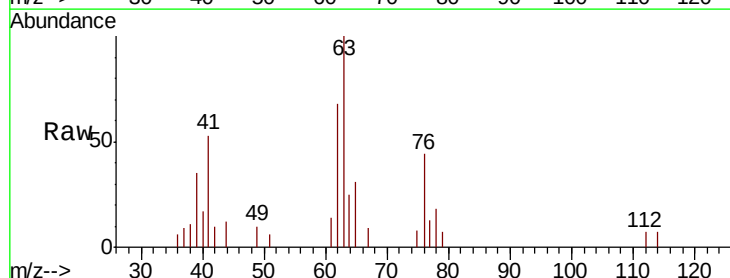


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

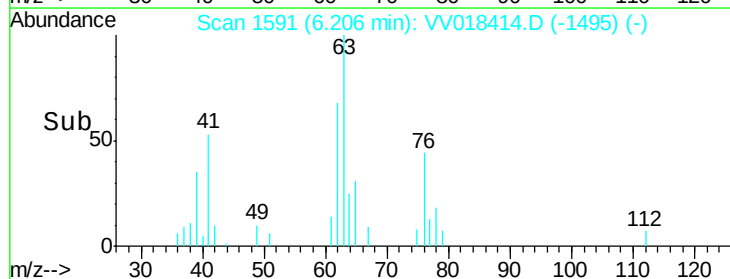
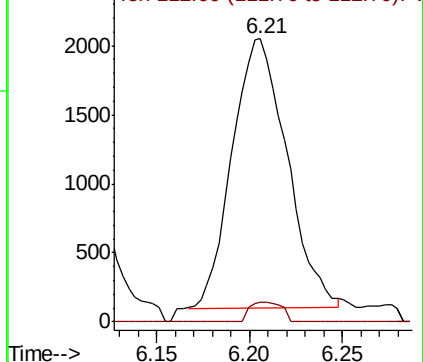


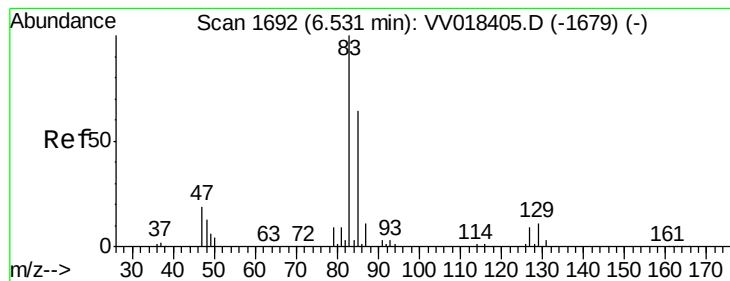
#37
1,2-Dichloropropane
Concen: 1.759 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion: 63 Resp: 3999
Ion Ratio Lower Upper
63 100
112 4.3 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 1.797 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

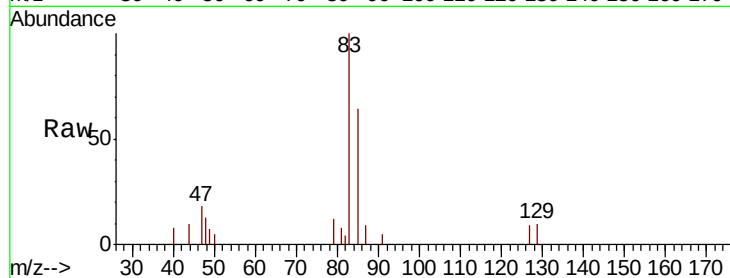
Tot Ion: 83 Resp: 5346

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

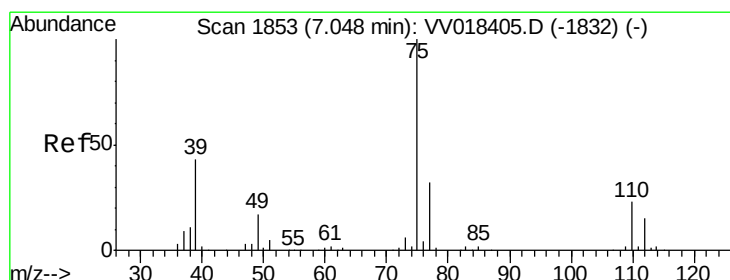
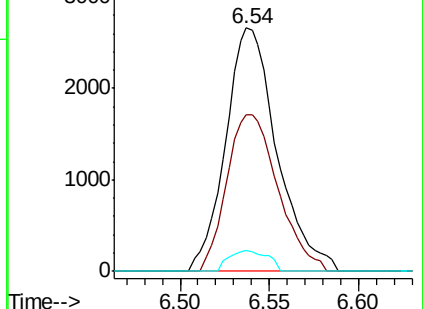
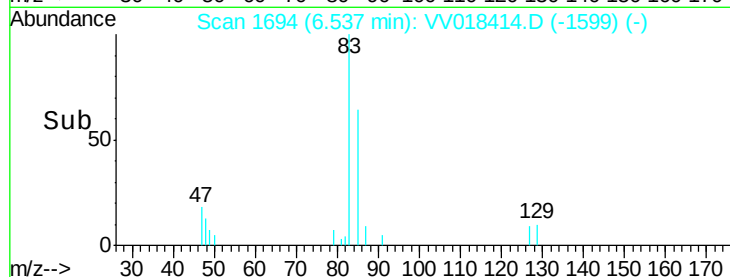
127 8.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV018414.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018414.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV018414.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.864 ug/L

RT: 7.06 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VV018414.D

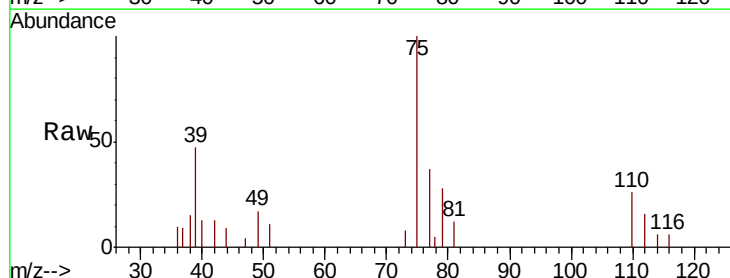
Acq: 23 Sep 2020 15:40

Tgt Ion: 75 Resp: 6357

Ion Ratio Lower Upper

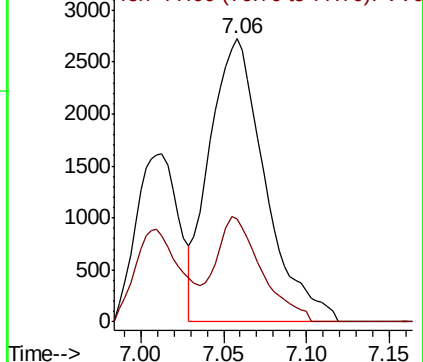
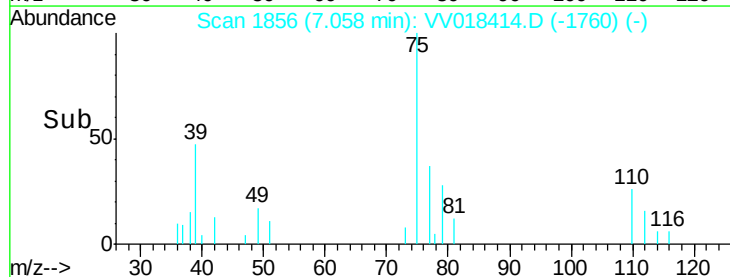
75 100

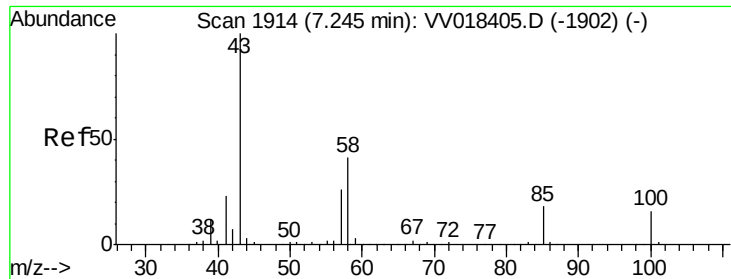
77 36.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018414.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV018414.D (-1760) (-)

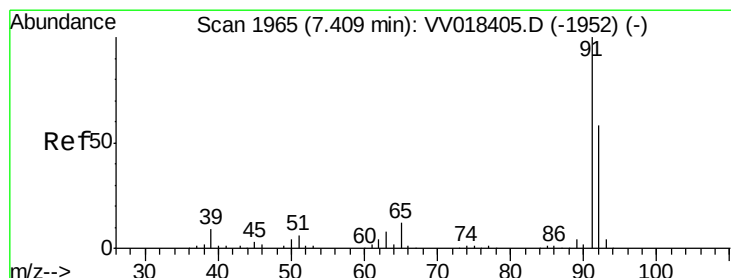
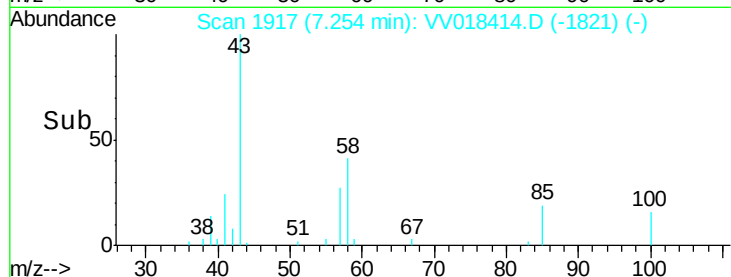
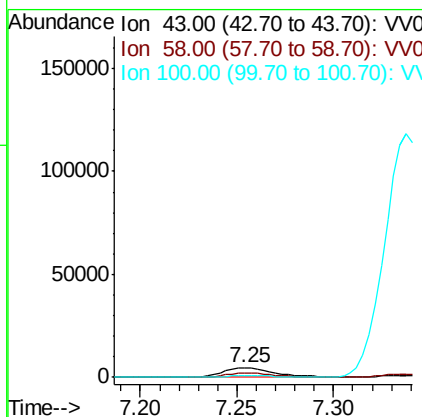
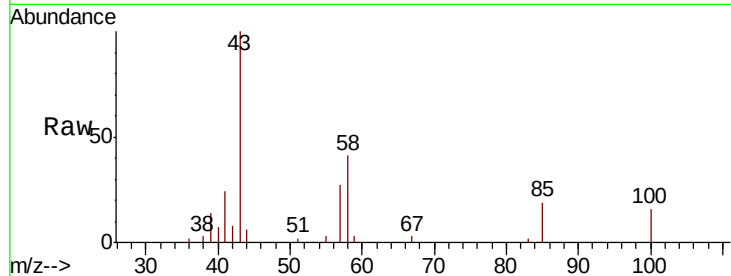




#40
4-Methyl-2-pentanone
Concen: 3.224 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

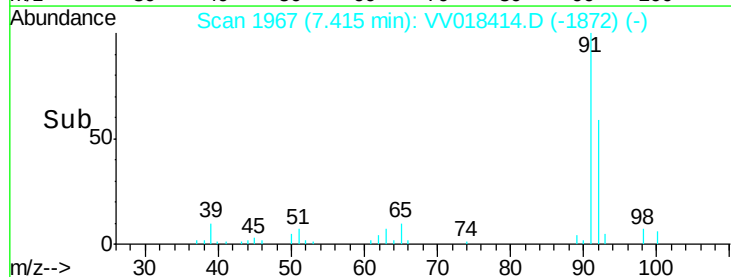
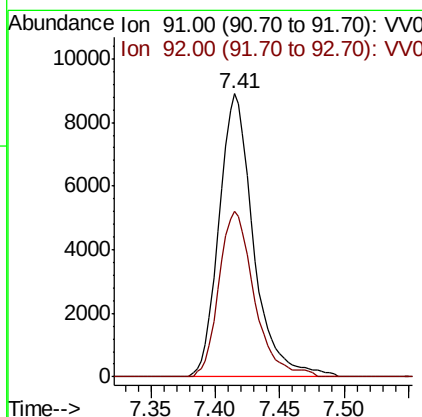
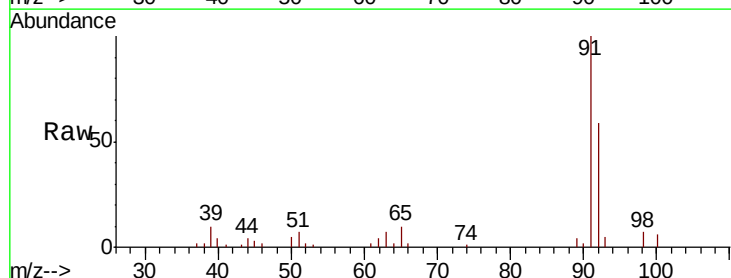
Instrument :
MSVOA_V
ClientSampleId :
MDL03

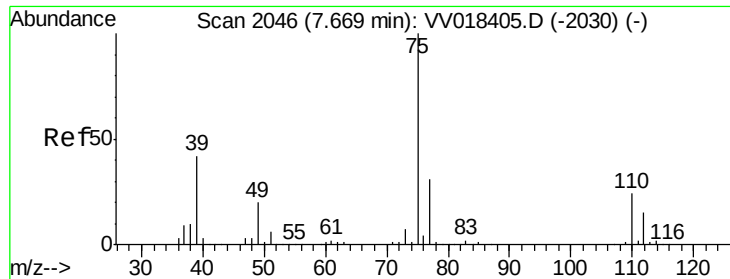
Tot Ion: 43 Resp: 8697
Ion Ratio Lower Upper
43 100
58 40.7 32.4 48.6
100 14.7 13.0 19.4



#42
Toluene
Concen: 1.836 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion: 91 Resp: 16554
Ion Ratio Lower Upper
91 100
92 58.7 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 1.751 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

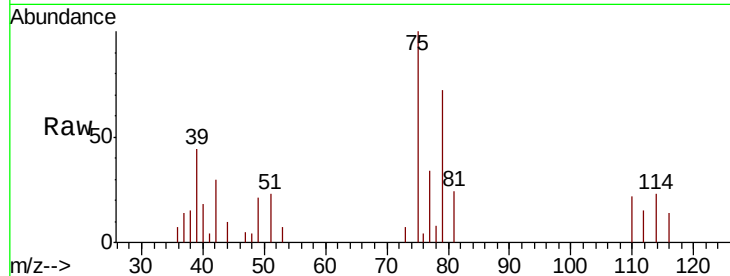
MDL03

Tot Ion: 75 Resp: 5919

Ion Ratio Lower Upper

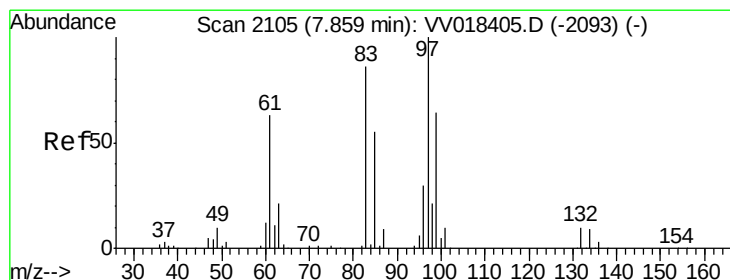
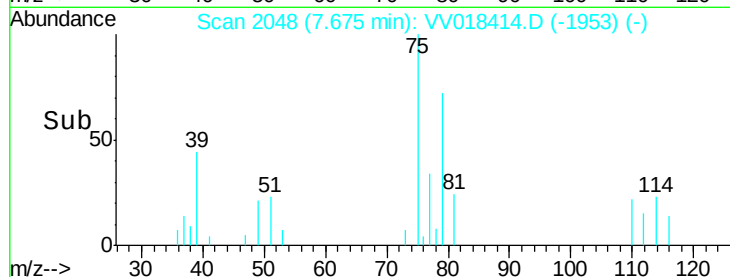
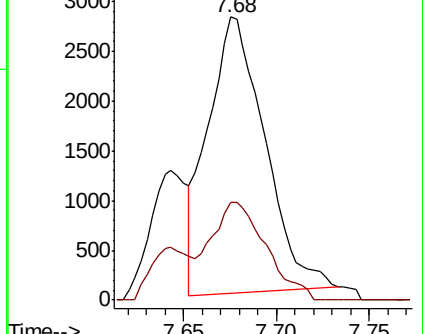
75 100

77 34.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 1.833 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion: 97 Resp: 3923

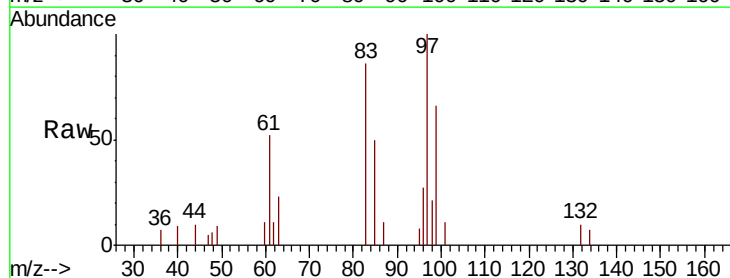
Ion Ratio Lower Upper

97 100

99 65.6 44.6 82.8

83 86.1 60.5 112.5

85 49.8 38.2 71.0

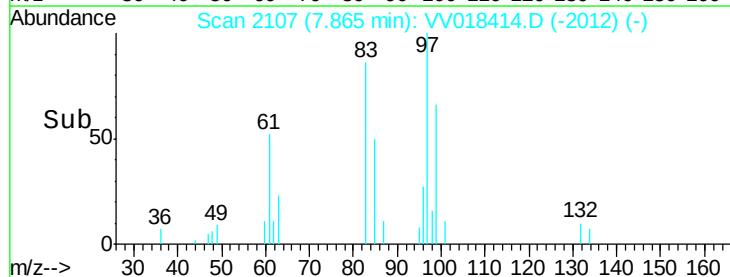
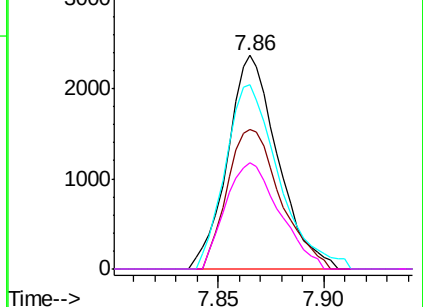


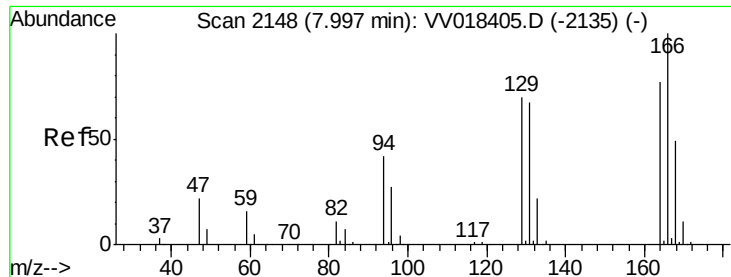
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 1.725 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:164 Resp: 3193

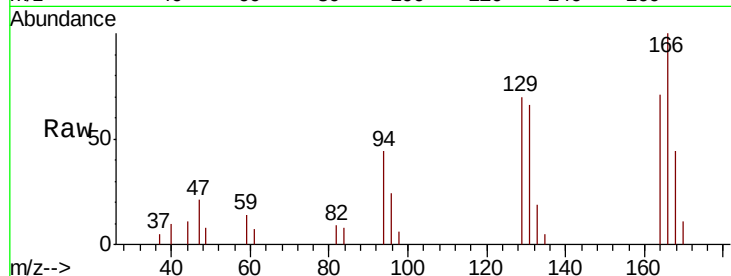
Ion Ratio Lower Upper

164 100

129 99.0 63.7 118.3

131 93.6 60.6 112.6

166 141.4 90.6 168.3

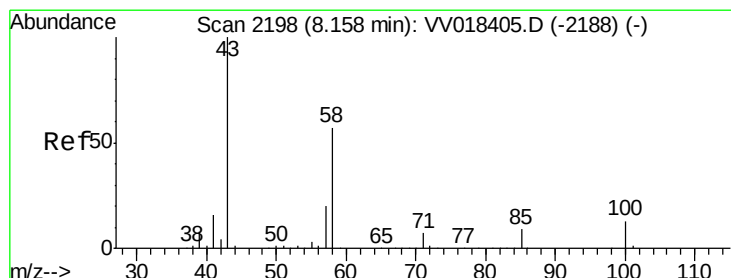
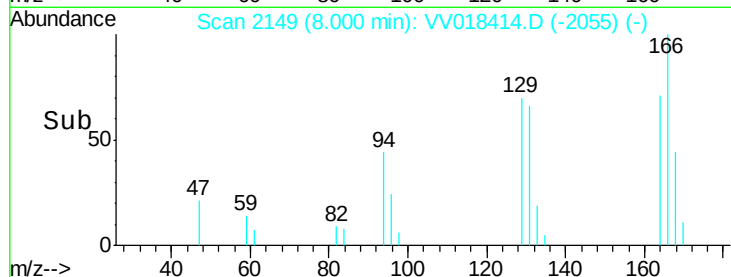
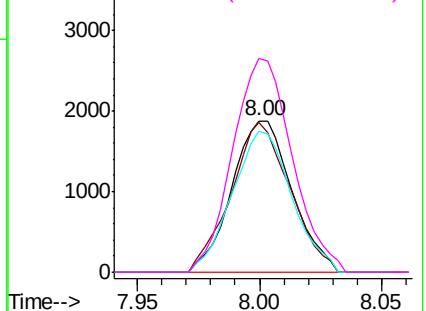


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.352 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion: 43 Resp: 12235

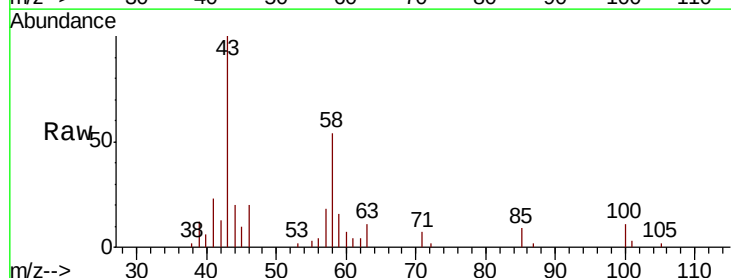
Ion Ratio Lower Upper

43 100

58 57.6 45.4 68.0

57 20.7 16.0 24.0

100 4.4 10.1 15.1#

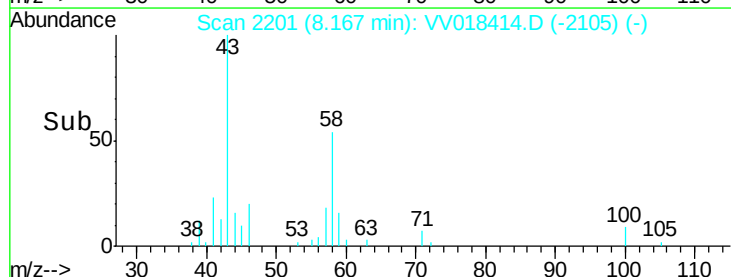
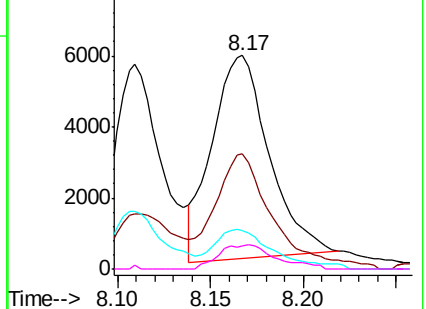


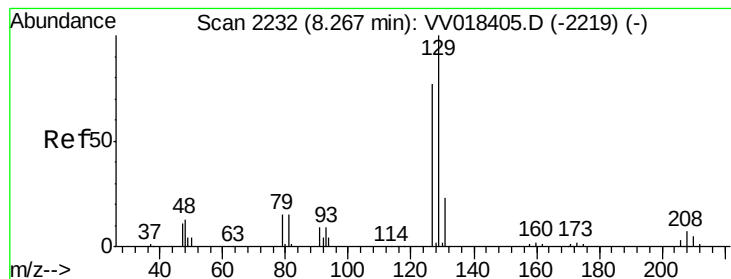
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 1.826 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

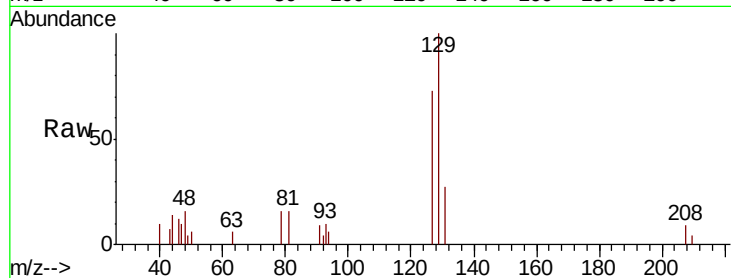
MDL03

Tot Ion:129 Resp: 4352

Ion Ratio Lower Upper

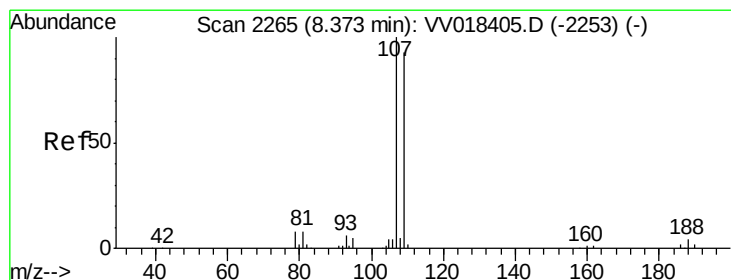
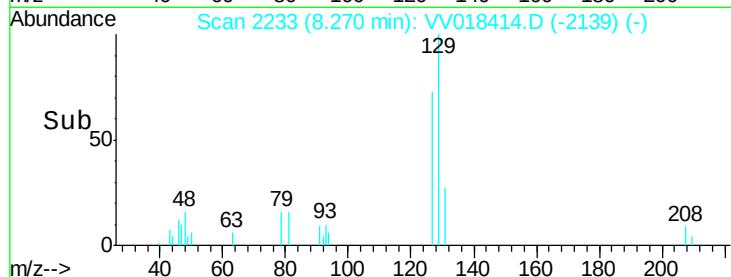
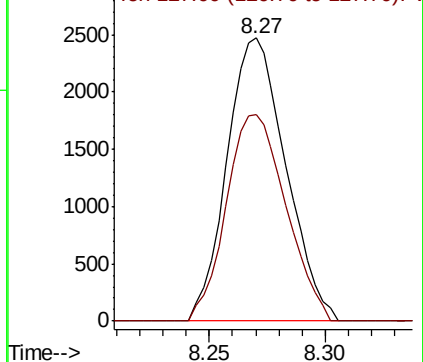
129 100

127 73.0 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.828 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

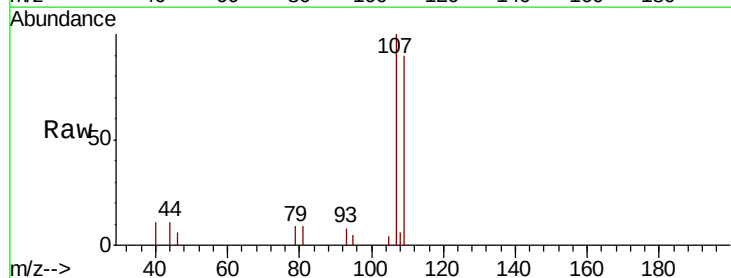
Tgt Ion:107 Resp: 4074

Ion Ratio Lower Upper

107 100

109 90.1 64.9 120.5

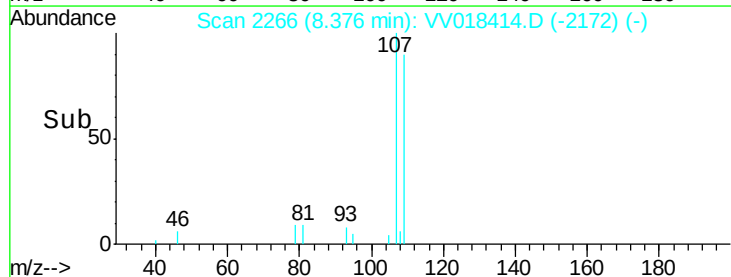
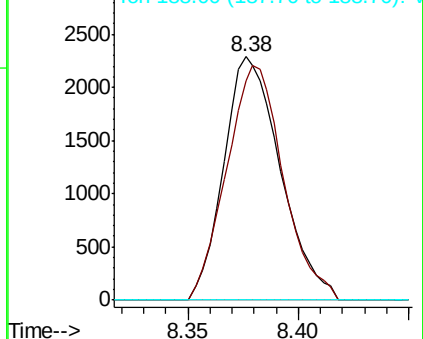
188 0.0 3.4 5.0#

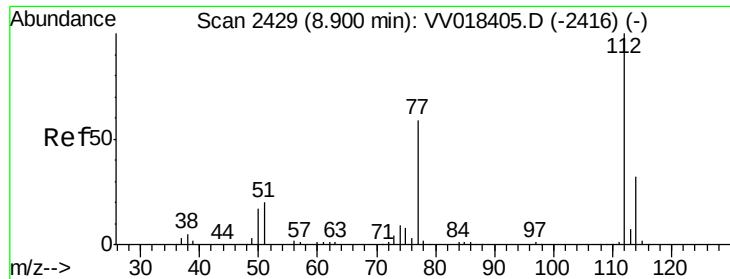


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.881 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

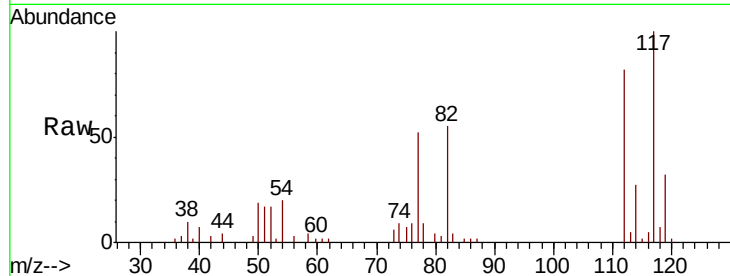
Tot Ion:112 Resp: 11336

Ion Ratio Lower Upper

112 100

114 32.9 22.2 41.2

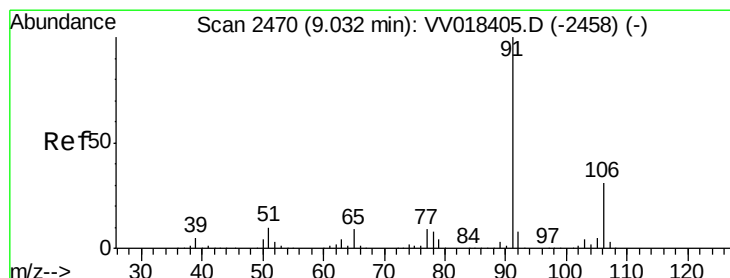
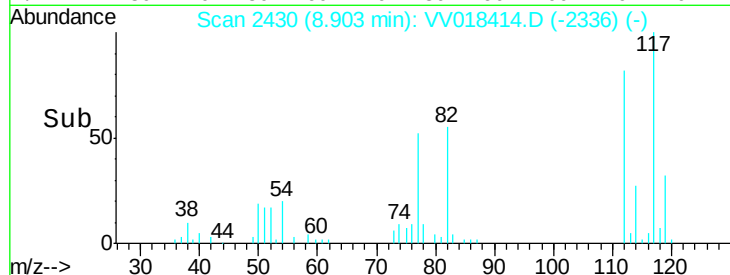
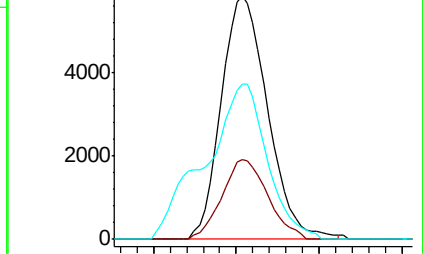
77 64.0 47.4 71.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.716 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018414.D

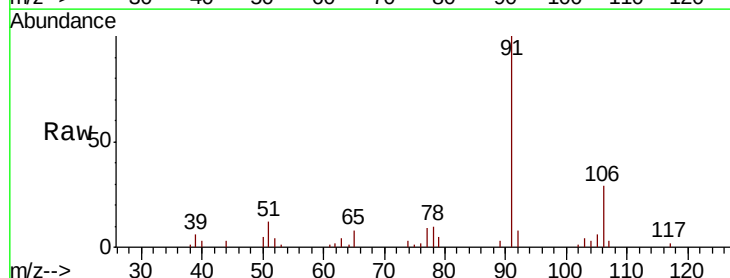
Acq: 23 Sep 2020 15:40

Tgt Ion: 91 Resp: 17027

Ion Ratio Lower Upper

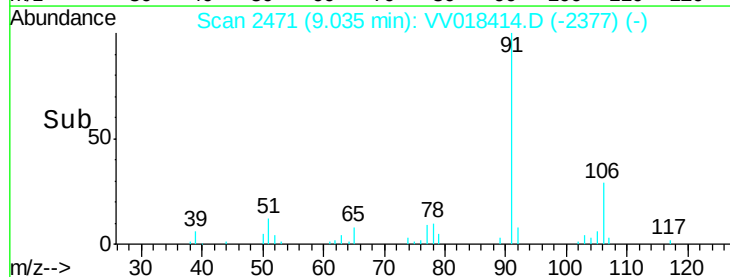
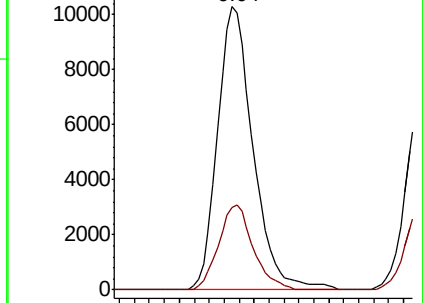
91 100

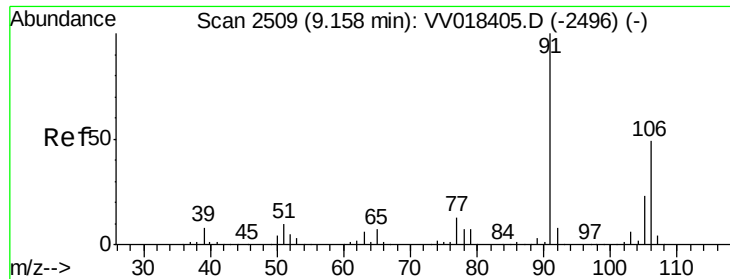
106 29.3 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

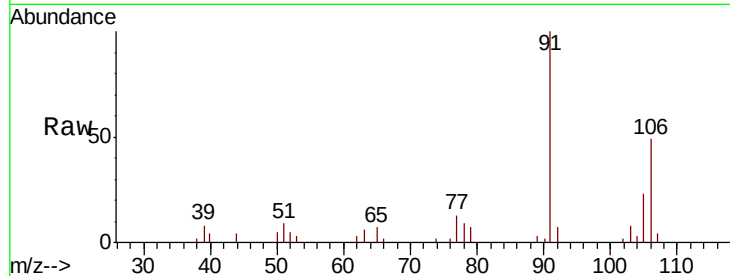




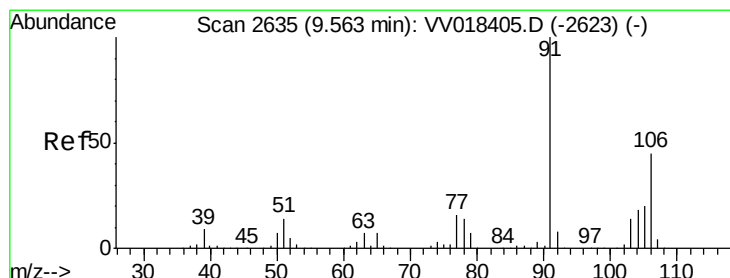
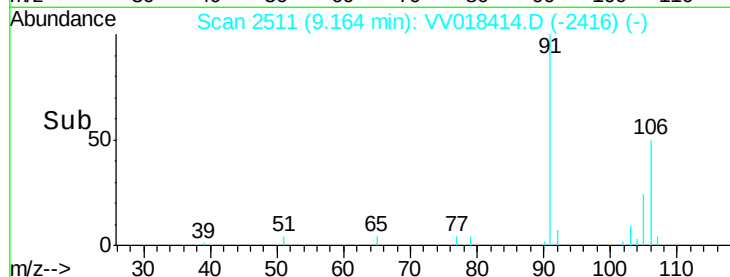
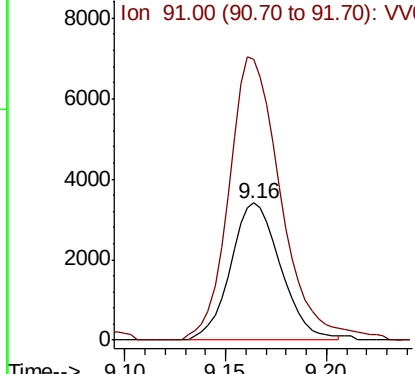
#53
m,p-Xylene
Concen: 1.602 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:106 Resp: 5937
Ion Ratio Lower Upper
106 100
91 204.6 143.4 266.4

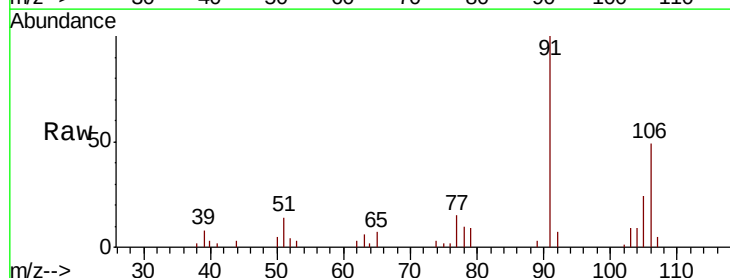


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

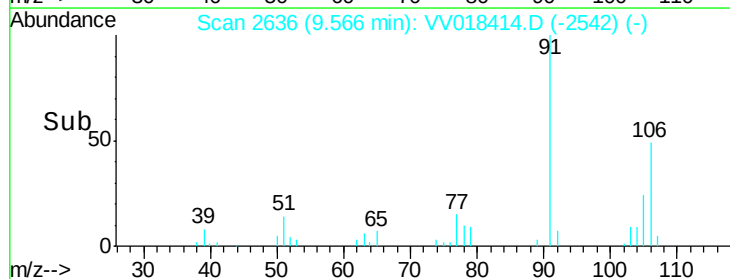
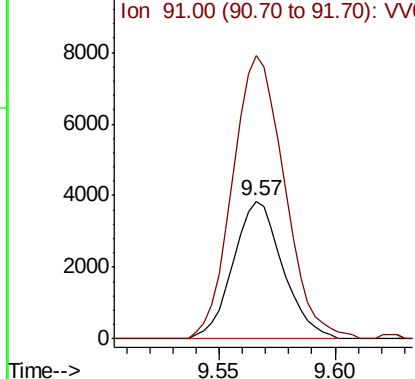


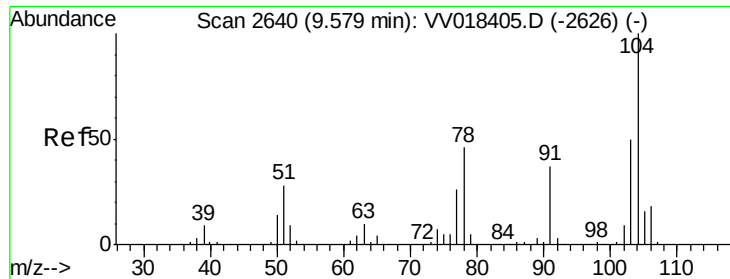
#54
o-Xylene
Concen: 1.602 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018414.D
Acq: 23 Sep 2020 15:40

Tgt Ion:106 Resp: 5719
Ion Ratio Lower Upper
106 100
91 205.5 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.475 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampled :

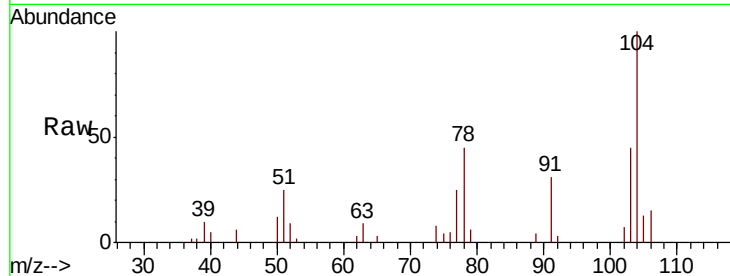
MDL03

Tot Ion:104 Resp: 9212

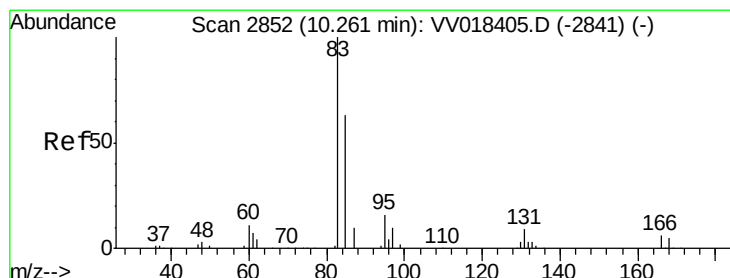
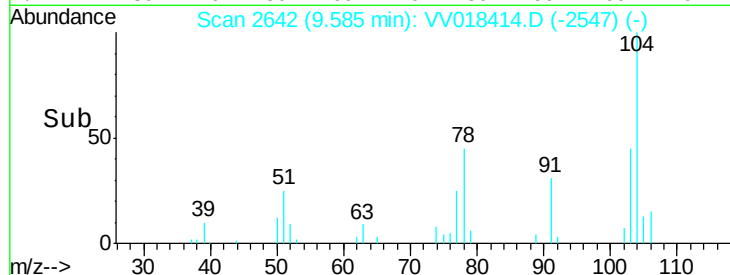
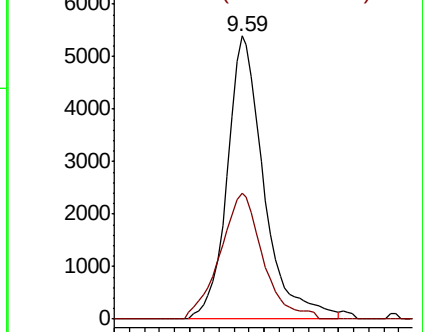
Ion Ratio Lower Upper

104 100

78 44.6 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): VV018414.D (-2547) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 1.986 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

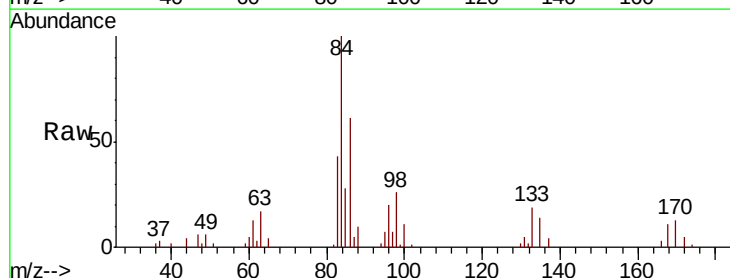
Tgt Ion: 83 Resp: 6199

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5

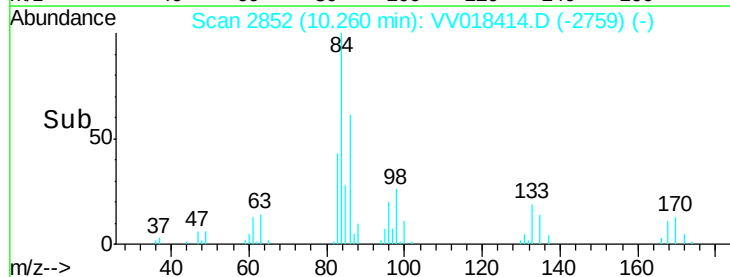
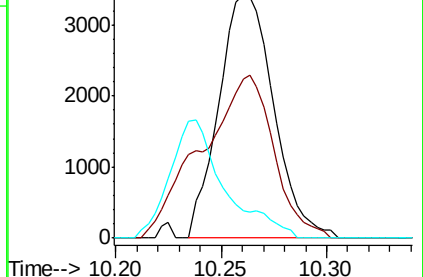
131 11.2 7.8 11.6

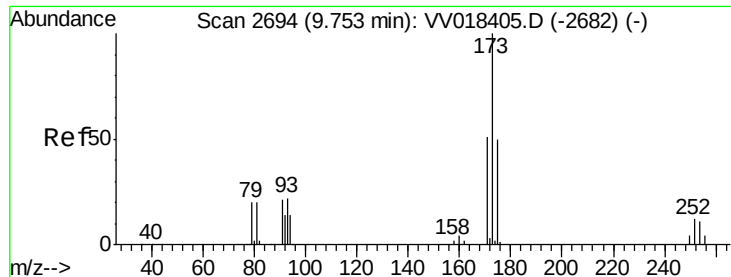


Abundance Ion 83.00 (82.70 to 83.70): VV018414.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018414.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018414.D (-2759) (-)





#59

Bromoform

Concen: 1.710 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

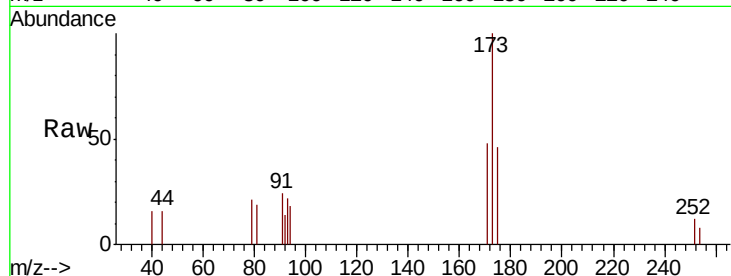
Tot Ion:173 Resp: 2806

Ion Ratio Lower Upper

173 100

175 45.9 39.4 59.2

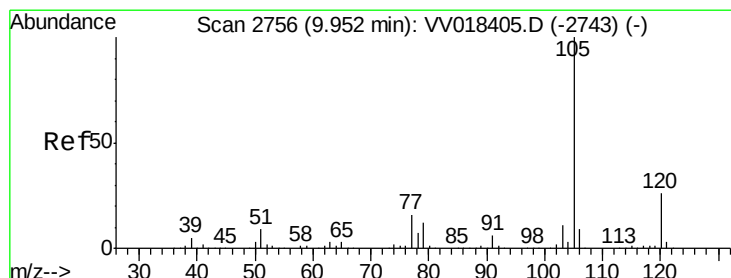
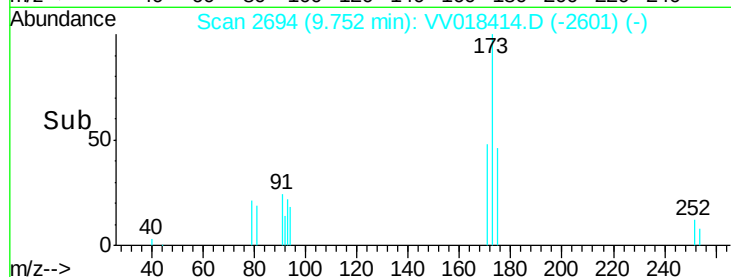
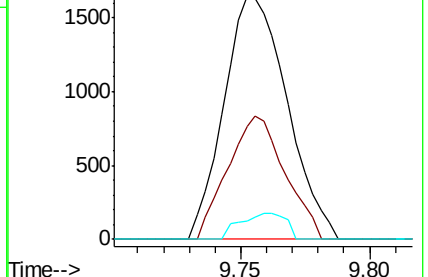
254 6.3 8.7 13.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 1.620 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

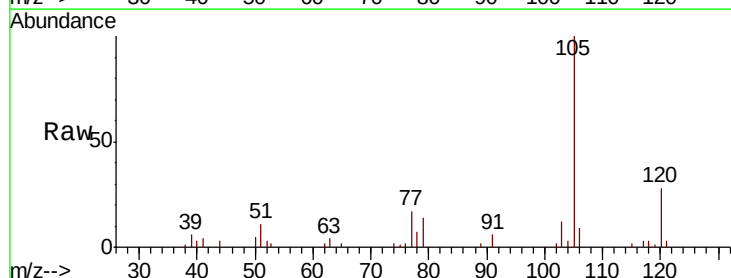
Tgt Ion:105 Resp: 14658

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

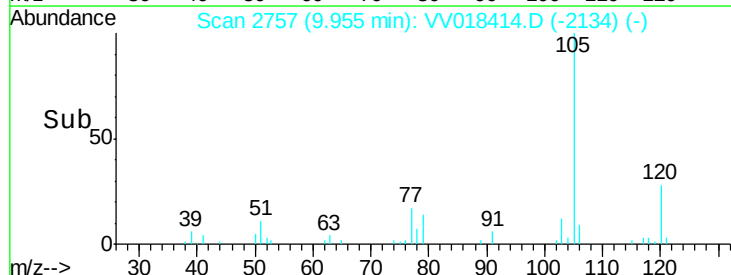
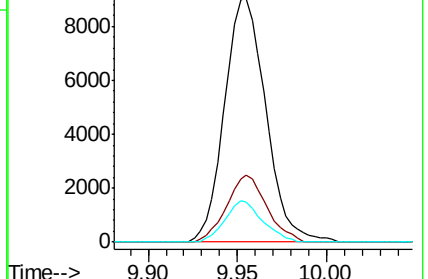
77 15.3 12.8 19.2

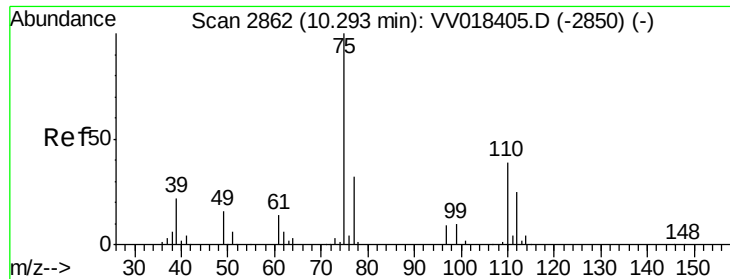


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

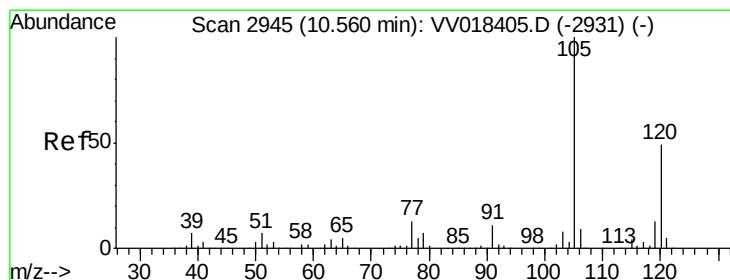
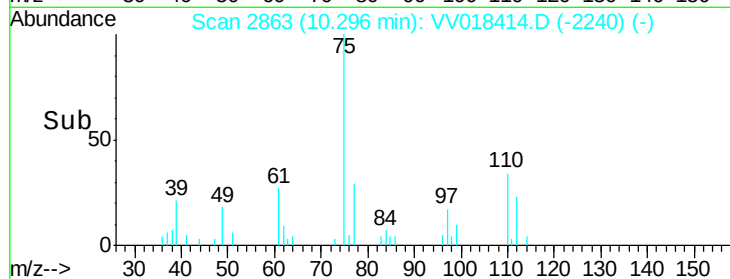
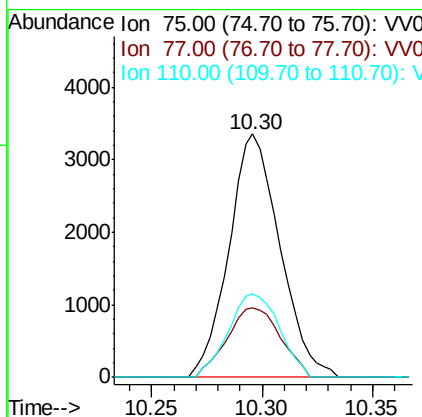
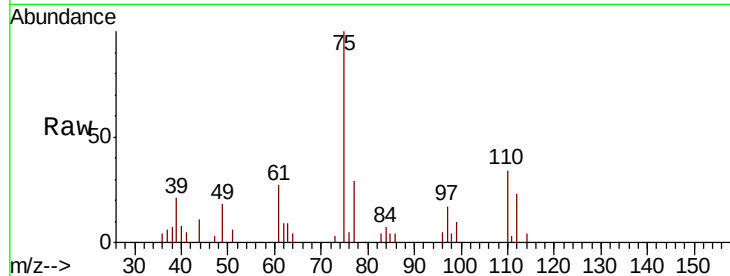




#61
 1,2,3-Trichloropropane
 Concen: 2.109 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

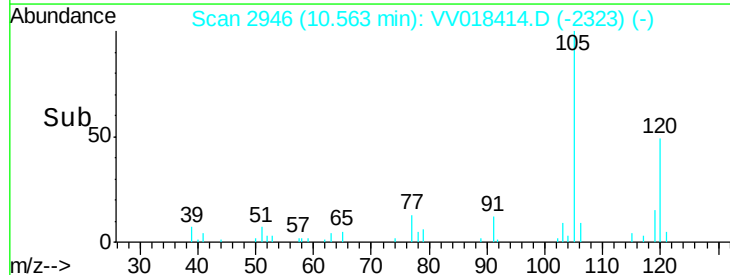
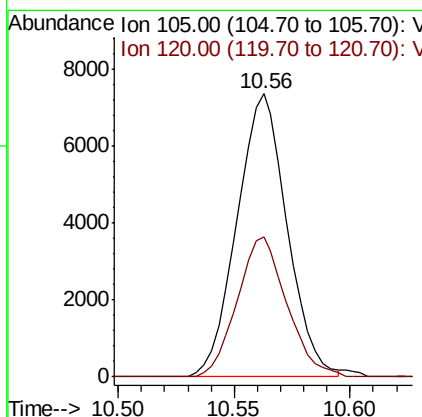
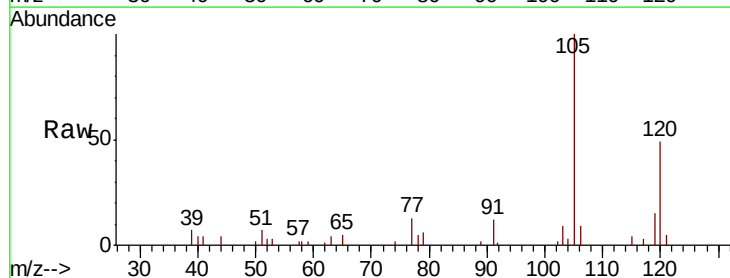
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

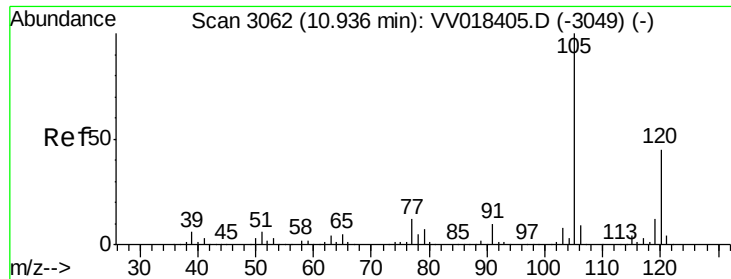
Tot Ion: 75 Resp: 5372
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8
 110 34.5 31.5 47.3



#62
 1,3,5-Trimethylbenzene
 Concen: 1.510 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion: 105 Resp: 11061
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.1 58.7

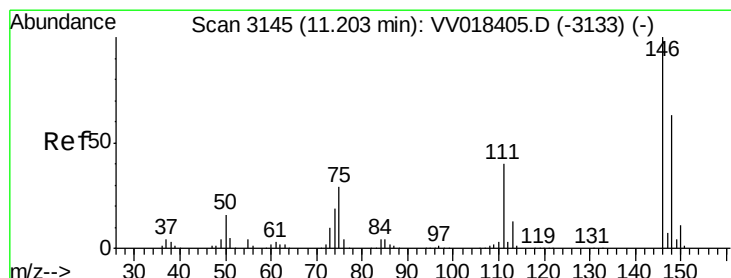
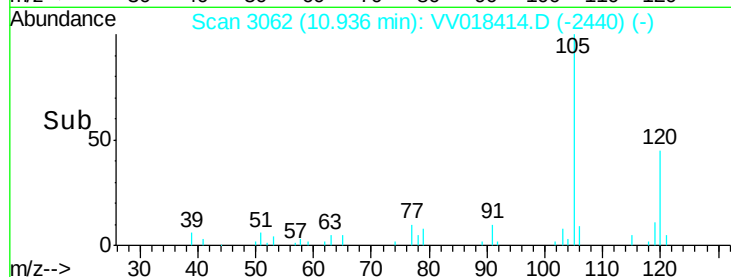
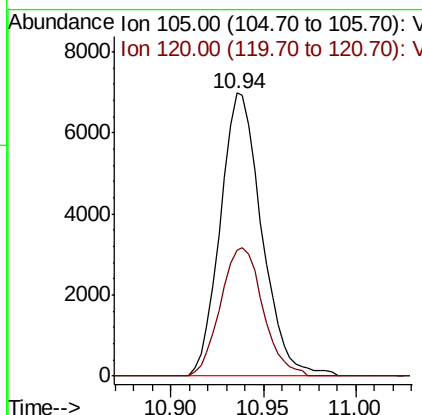
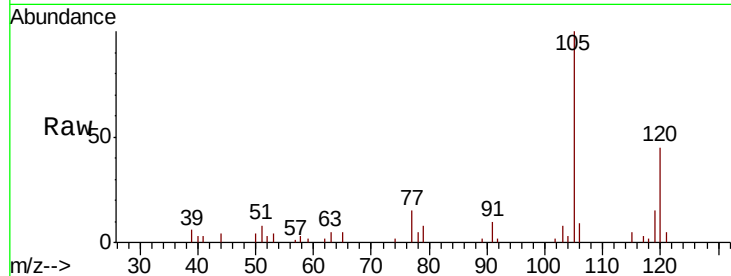




#63
 1,2,4-Trimethylbenzene
 Concen: 1.442 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

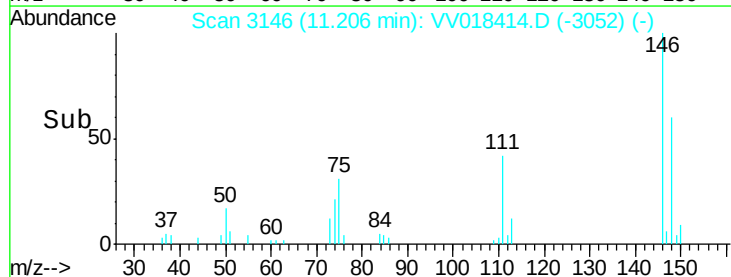
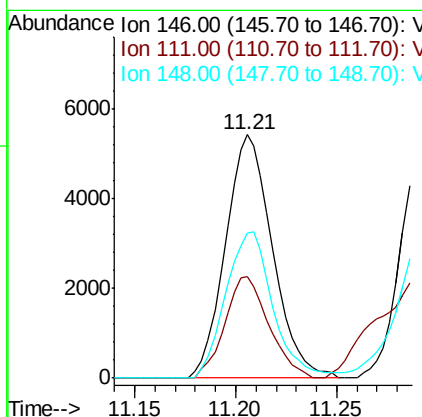
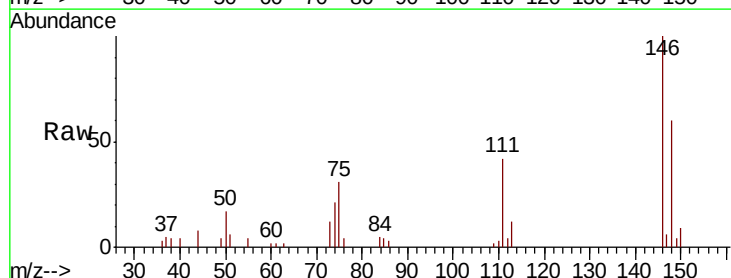
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

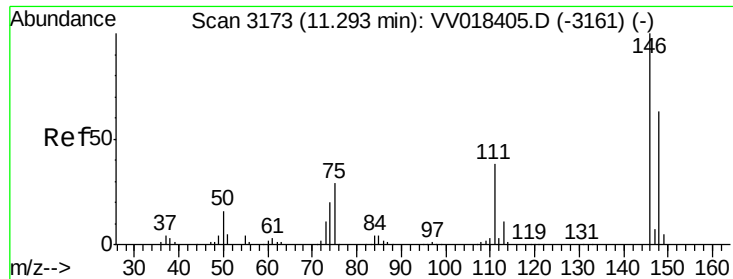
Tot Ion:105 Resp: 10842
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.2 54.2



#64
 1,3-Dichlorobenzene
 Concen: 1.919 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:146 Resp: 8825
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.6 51.4
 148 59.6 44.2 82.2

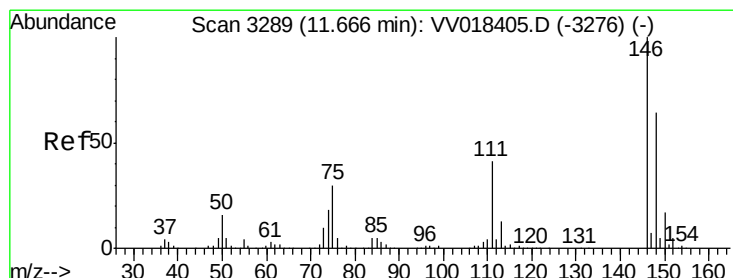
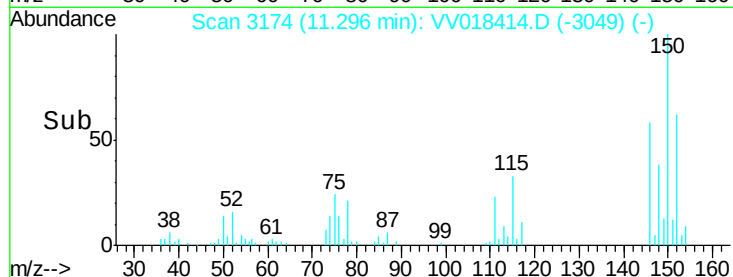
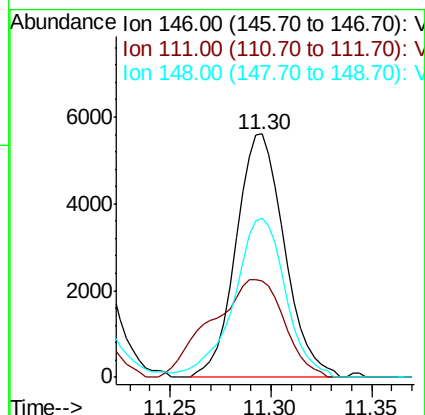
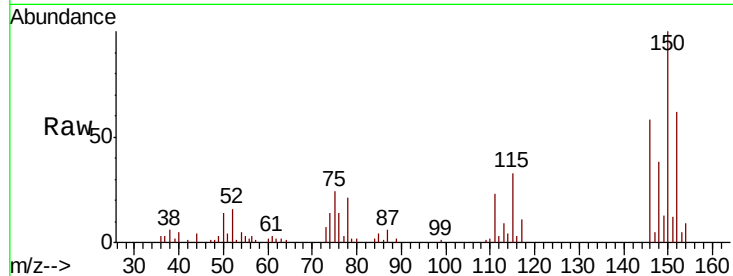




#65
 1,4-Dichlorobenzene
 Concen: 1.957 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

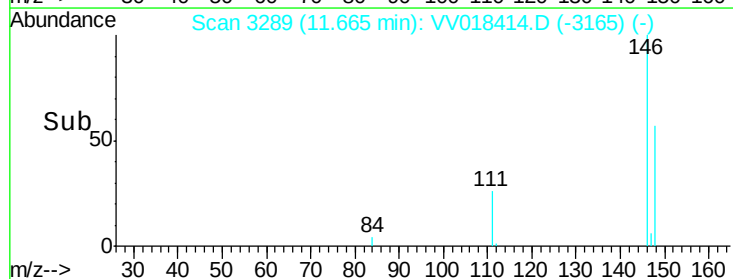
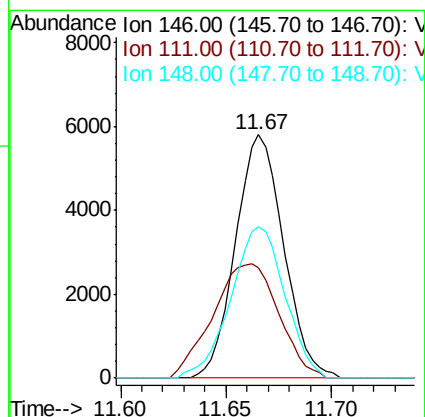
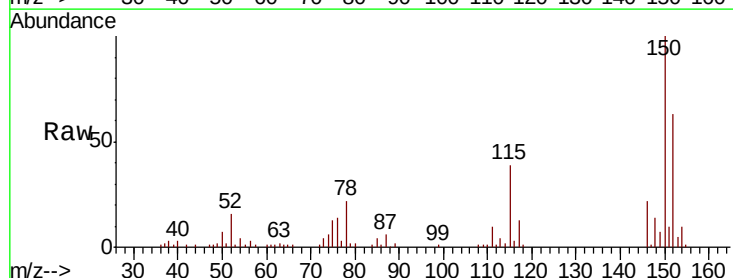
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

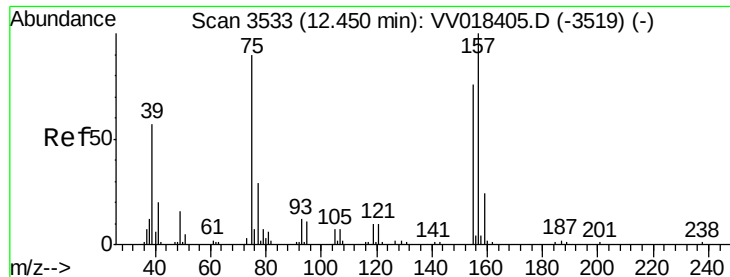
Tot Ion:146 Resp: 9432
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.6 49.4
 148 65.2 44.3 82.3



#67
 1,2-Dichlorobenzene
 Concen: 1.990 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:146 Resp: 9202
 Ion Ratio Lower Upper
 146 100
 111 45.5 32.6 49.0
 148 62.4 51.0 76.6





#68

1,2-Dibromo-3-chloropropane

Concen: 1.739 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Instrument :

MSVOA_V

ClientSampleId :

MDL03

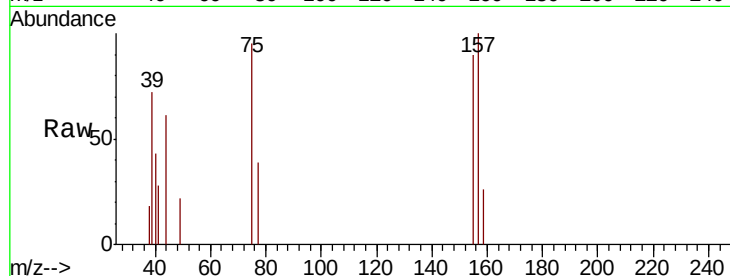
Tot Ion: 75 Resp: 1119

Ion Ratio Lower Upper

75 100

155 94.9 67.6 101.4

157 105.1 88.7 133.1



Abundance Ion 75.00 (74.70 to 75.70): VV018414.D (-2979) (-)

Ion 155.00 (154.70 to 155.70): VV018414.D (-2979) (-)

Ion 157.00 (156.70 to 157.70): VV018414.D (-2979) (-)

Time-->

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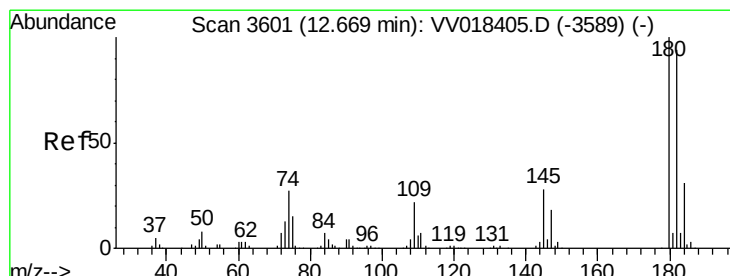
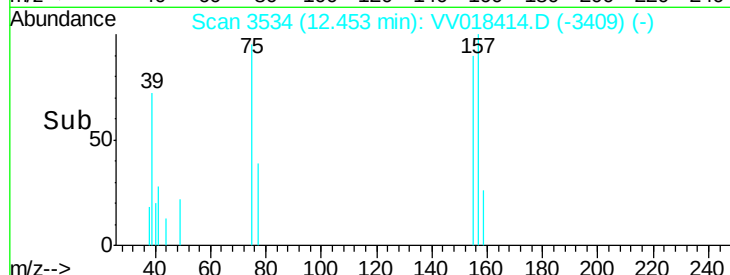
12.45

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12.45



#69

1,3,5-Trichlorobenzene

Concen: 1.838 ug/L

RT: 12.67 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VV018414.D

Acq: 23 Sep 2020 15:40

Tgt Ion: 180 Resp: 6591

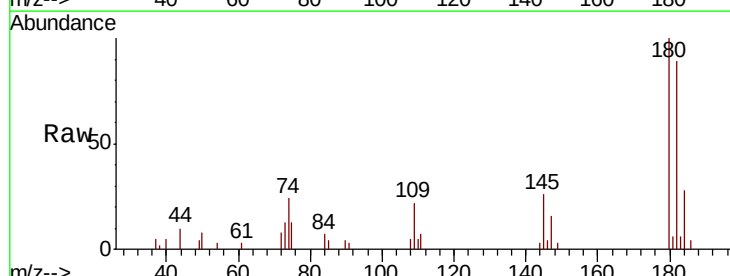
Ion Ratio Lower Upper

180 100

182 95.5 76.6 115.0

184 28.3 24.8 37.2

145 27.6 23.0 34.4



Abundance Ion 180.00 (179.70 to 180.70): VV018414.D (-2979) (-)

Ion 182.00 (181.70 to 182.70): VV018414.D (-2979) (-)

Ion 184.00 (183.70 to 184.70): VV018414.D (-2979) (-)

Ion 145.00 (144.70 to 145.70): VV018414.D (-2979) (-)

Time-->

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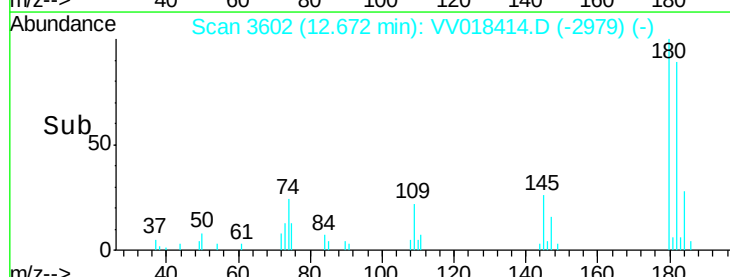
12.67

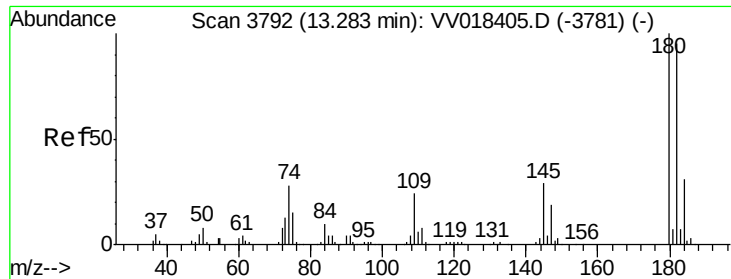
12.67

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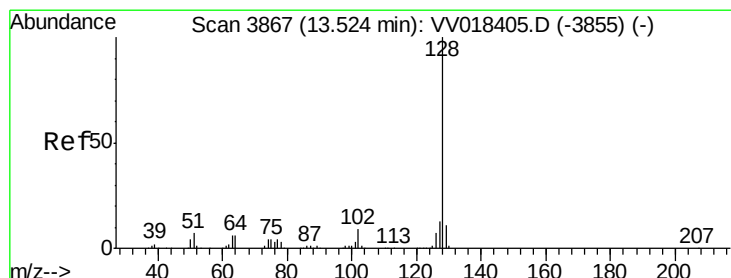
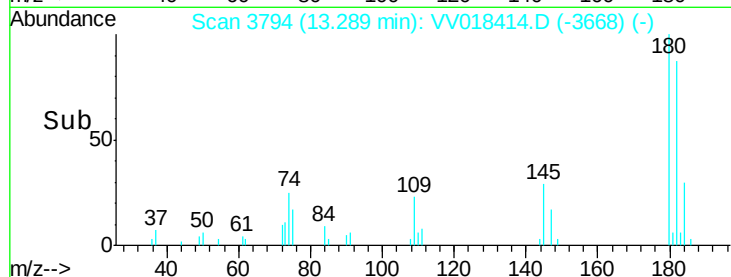
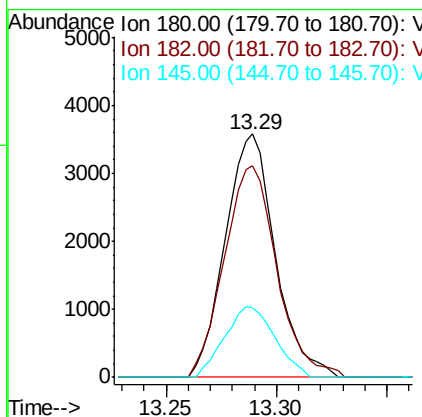
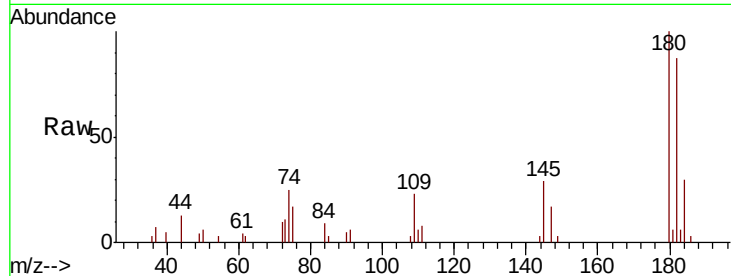




#70
 1,2,4-trichlorobenzene
 Concen: 1.754 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

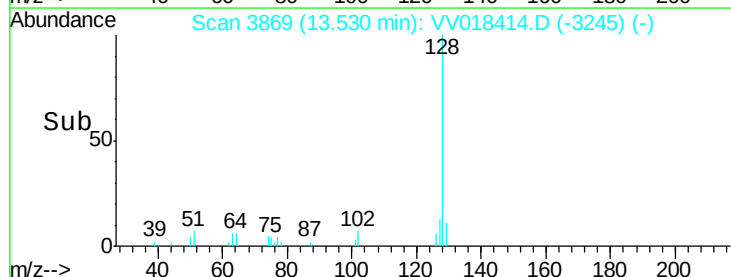
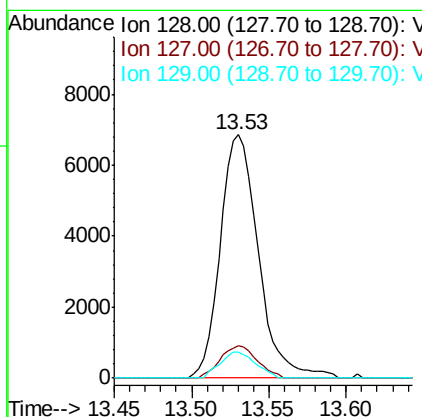
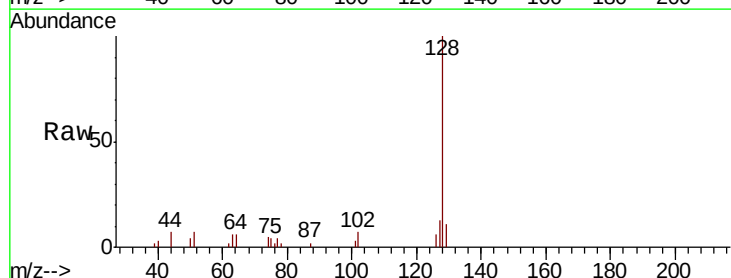
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

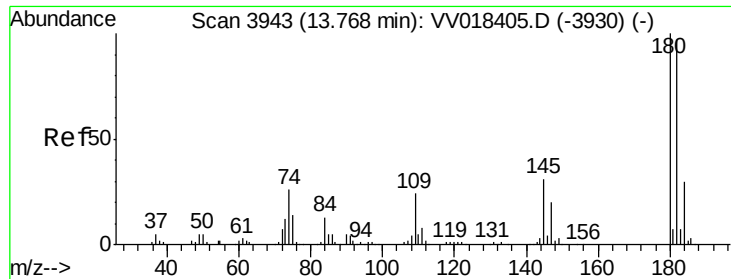
Tot Ion:180 Resp: 5636
 Ion Ratio Lower Upper
 180 100
 182 91.3 75.8 113.6
 145 29.2 23.0 34.4



#71
 Naphthalene
 Concen: 1.406 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Tgt Ion:128 Resp: 11714
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 9.9 8.7 13.1

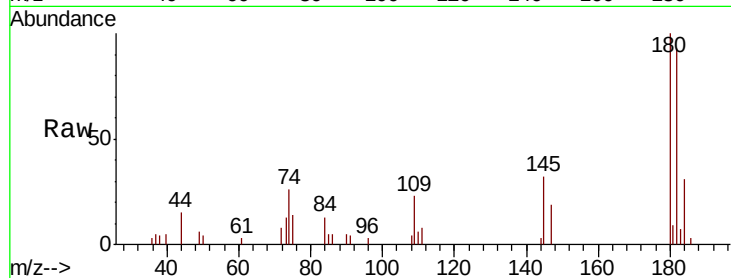




#72
 1,2,3-Trichlorobenzene
 Concen: 1.691 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV018414.D
 Acq: 23 Sep 2020 15:40

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 5459
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.1 115.7
 145 31.3 25.0 37.6



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

