

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018413.D
 Acq On : 23 Sep 2020 15:17
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: Sep 24 07:57:39 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	292633	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289527	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146980	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84137	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.58	69	74956	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.12	63	131751	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.22%
21) 2-Butanone-d5	3.92	46	131538	101.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	4.37	84	174879	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
26) 1,2-Dichloroethane-d4	5.05	65	116546	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.07	84	353455	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	115767	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.50%
41) Toluene-d8	7.33	98	319741	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	7.64	79	55871	47.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.72%
47) 2-Hexanone-d5	8.11	63	81954	94.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.71%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	137749	45.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.26%
66) 1,2-Dichlorobenzene-d4	11.65	152	140865	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4218	1.953	ug/L	95
3) Chloromethane	1.25	50	5203	2.172	ug/L	99
5) Vinyl chloride	1.32	62	5392	2.200	ug/L #	73
6) Bromomethane	1.53	94	3190	2.048	ug/L	96
8) Chloroethane	1.60	64	3453	2.186	ug/L	100
9) Trichlorofluoromethane	1.77	101	7065	2.027	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5722	2.678	ug/L #	81
12) 1,1-Dichloroethene	2.13	96	5047	2.484	ug/L #	1
13) Acetone	2.20	43	5556	3.375	ug/L	72
14) Carbon disulfide	2.31	76	12415	2.152	ug/L	98
15) Methyl Acetate	2.46	43	4682	2.155	ug/L	98
16) Methylene chloride	2.52	84	5513	2.396	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	4214	2.049	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	12448	1.947	ug/L	98
19) 1,1-Dichloroethane	3.21	63	8302	2.079	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4658	2.100	ug/L	97
23) Bromochloromethane	4.28	128	2209	1.860	ug/L	95

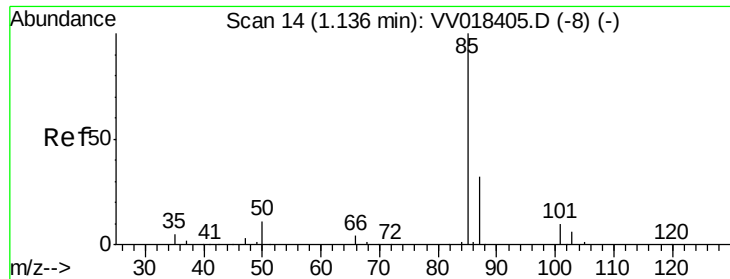
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	10297	2.550	ug/L	96
27) 1,2-Dichloroethane	5.16	62	6587	2.106	ug/L	98
29) Cyclohexane	4.70	56	6543	1.942	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	7216	2.026	ug/L	98
31) Carbon tetrachloride	4.85	117	6112	1.969	ug/L	99
33) Benzene	5.13	78	18516	2.135	ug/L	100
34) Trichloroethene	5.94	95	5462	2.291	ug/L	96
35) Methylcyclohexane	6.15	83	7296	2.108	ug/L	94
37) 1,2-Dichloropropane	6.20	63	4268	1.861	ug/L #	86
38) Bromodichloromethane	6.54	83	5971	1.990	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	6787	1.973	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	9917	3.644	ug/L	97
42) Toluene	7.41	91	18794	2.066	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	8825	2.588	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	4203	1.947	ug/L	94
46) Tetrachloroethene	8.00	164	3900	2.089	ug/L	95
48) 2-Hexanone	8.16	43	13896	6.026	ug/L #	92
49) Dibromochloromethane	8.27	129	4563	1.898	ug/L	94
50) 1,2-Dibromoethane	8.38	107	4354	1.937	ug/L	90
51) Chlorobenzene	8.90	112	12888	2.120	ug/L	93
52) Ethylbenzene	9.04	91	19609	1.959	ug/L	98
53) m,p-Xylene	9.16	106	6957	1.861	ug/L	97
54) o-Xylene	9.57	106	6615	1.837	ug/L	91
55) Styrene	9.59	104	10052	1.596	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	6672	2.119	ug/L #	92
59) Bromoform	9.76	173	3351	2.040	ug/L #	90
60) Isopropylbenzene	9.95	105	16794	1.854	ug/L	100
61) 1,2,3-Trichloropropane	10.30	75	5700	2.235	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	12895	1.759	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	12221	1.623	ug/L	100
64) 1,3-Dichlorobenzene	11.21	146	9287	2.017	ug/L	91
65) 1,4-Dichlorobenzene	11.30	146	10783	2.235	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	10110	2.184	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.46	75	1109	1.721	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.67	180	7657	2.133	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	6486	2.016	ug/L	98
71) Naphthalene	13.53	128	12886	1.544	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	6172	1.909	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.953 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

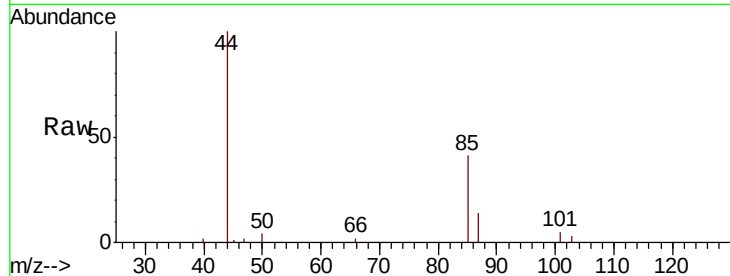
MDL02

Tot Ion: 85 Resp: 4218

Ion Ratio Lower Upper

85 100

87 35.1 25.8 38.6

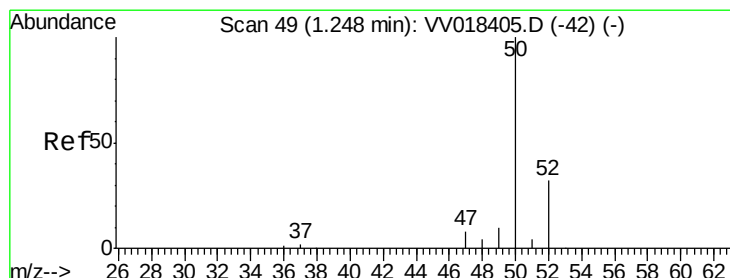
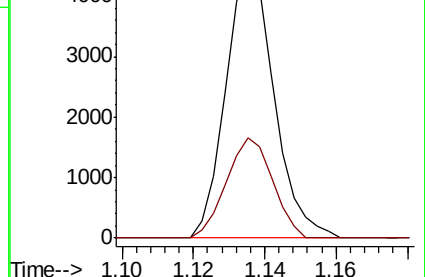
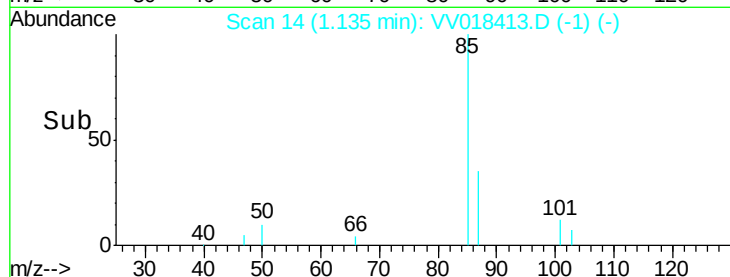


Abundance Ion 85.00 (84.70 to 85.70): VV018413.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018413.D (-1) (-)

1.14

Time-->



#3

Chloromethane

Concen: 2.172 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018413.D

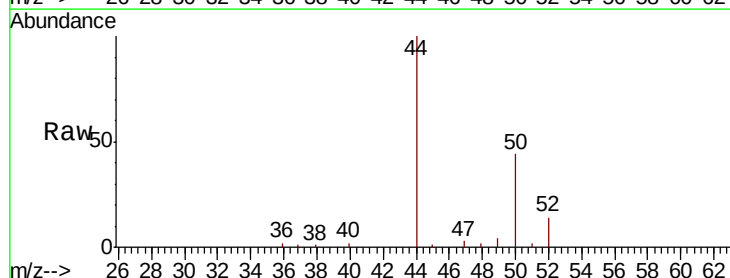
Acq: 23 Sep 2020 15:17

Tgt Ion: 50 Resp: 5203

Ion Ratio Lower Upper

50 100

52 31.7 22.5 41.9

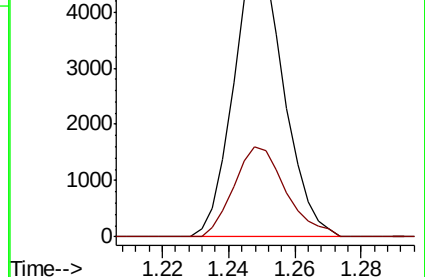
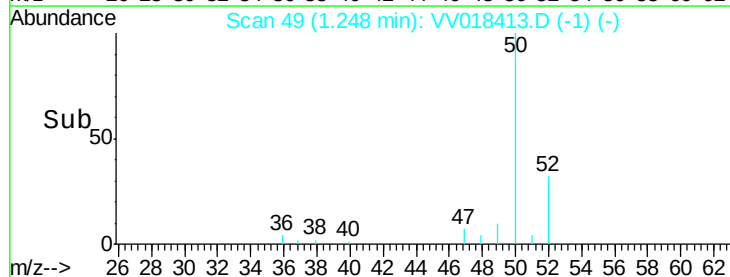


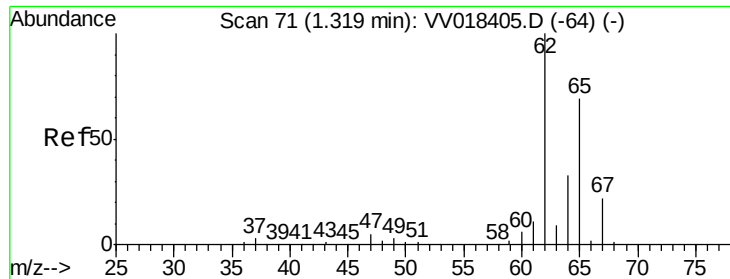
Abundance Ion 50.00 (49.70 to 50.70): VV018413.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018413.D (-1) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 2.200 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

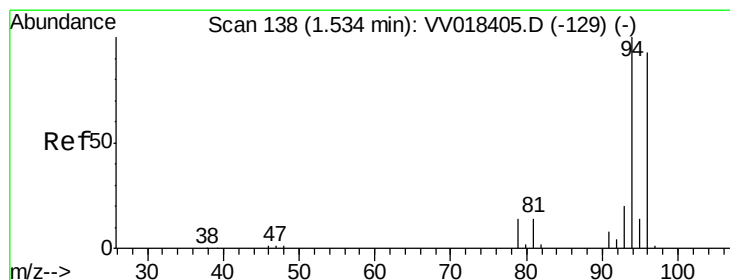
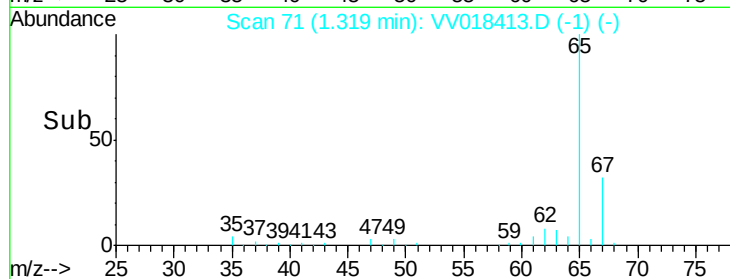
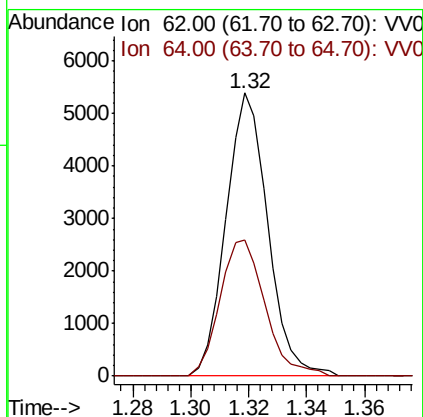
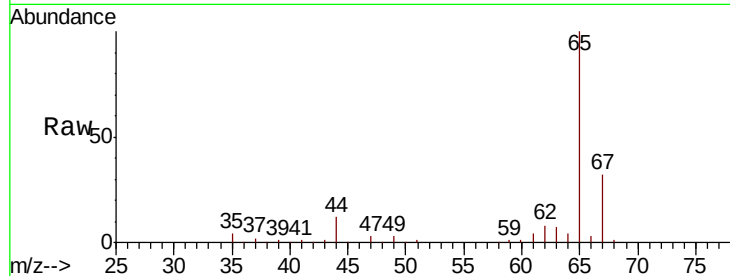
MDL02

Tot Ion: 62 Resp: 5392

Ion Ratio Lower Upper

62 100

64 48.1 22.9 42.5#



#6

Bromomethane

Concen: 2.048 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018413.D

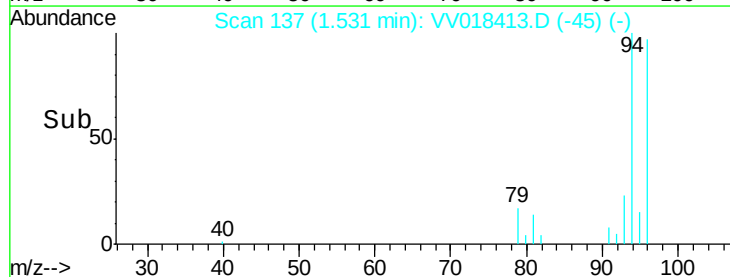
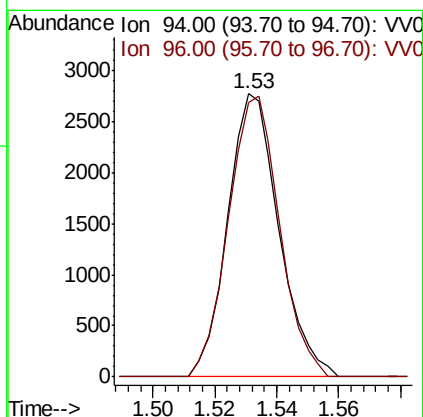
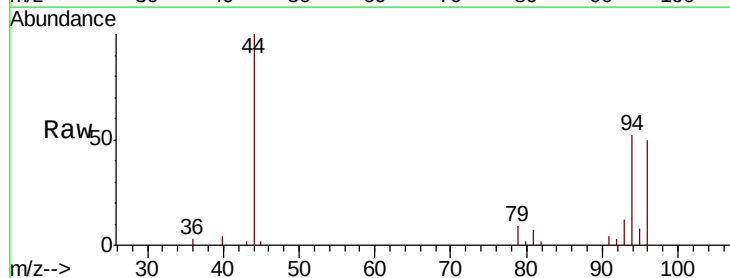
Acq: 23 Sep 2020 15:17

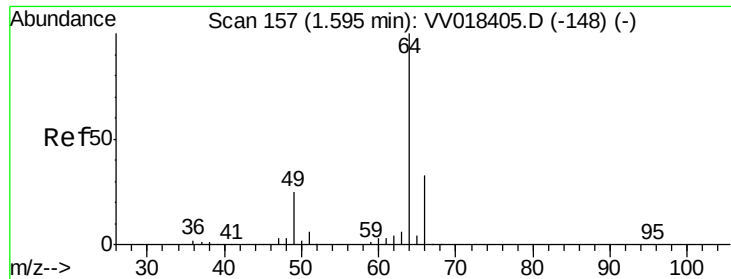
Tgt Ion: 94 Resp: 3190

Ion Ratio Lower Upper

94 100

96 97.1 65.4 121.4





#8

Chloroethane

Concen: 2.186 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

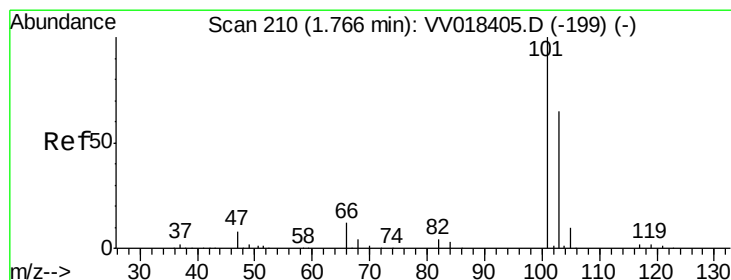
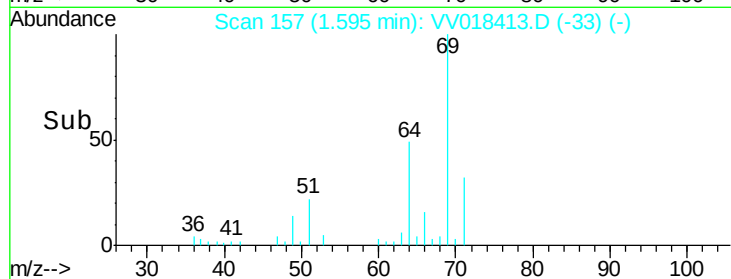
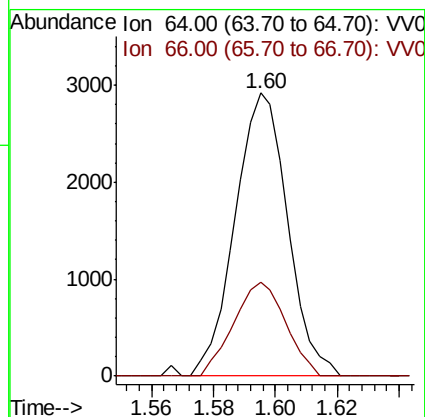
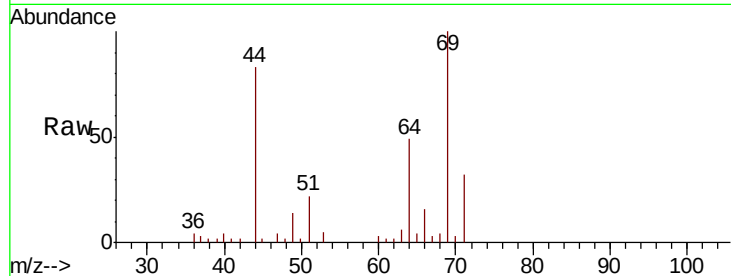
MDL02

Tot Ion: 64 Resp: 3453

Ion Ratio Lower Upper

64 100

66 33.0 23.0 42.6



#9

Trichlorofluoromethane

Concen: 2.027 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018413.D

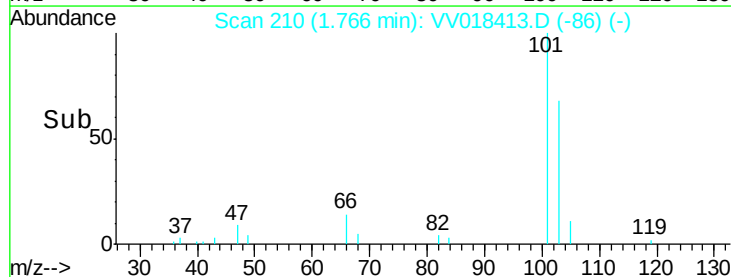
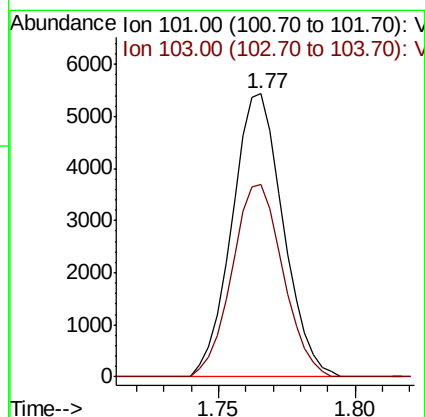
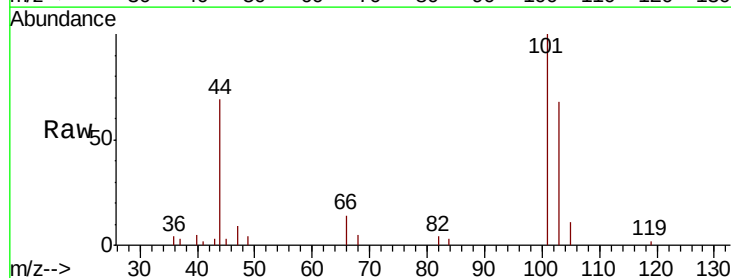
Acq: 23 Sep 2020 15:17

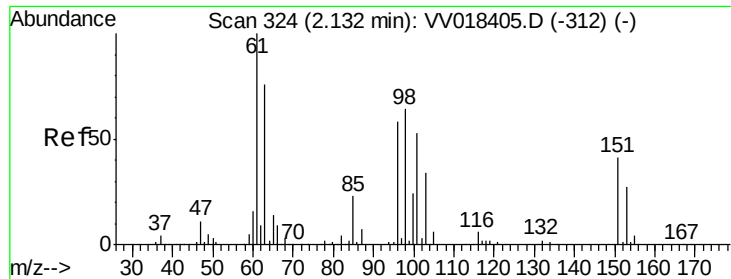
Tgt Ion: 101 Resp: 7065

Ion Ratio Lower Upper

101 100

103 67.8 52.1 78.1





#10

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

Concen: 2.678 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

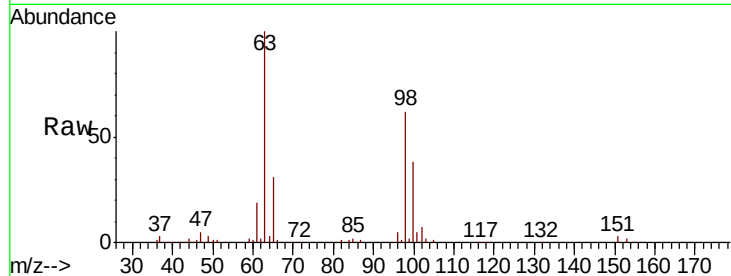
Tot Ion:101 Resp: 5722

Ion Ratio Lower Upper

101 100

85 33.2 34.6 51.8#

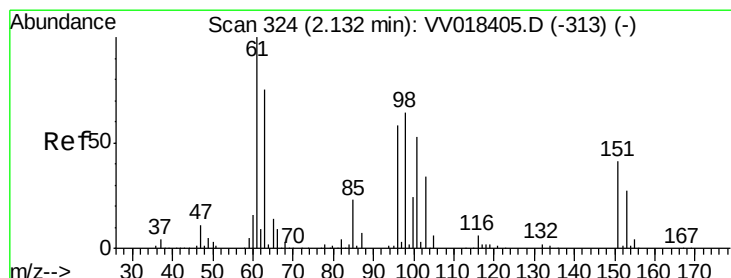
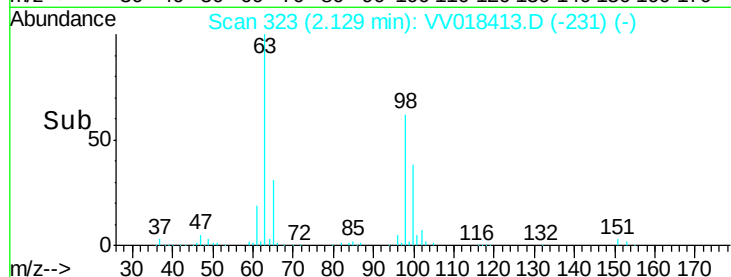
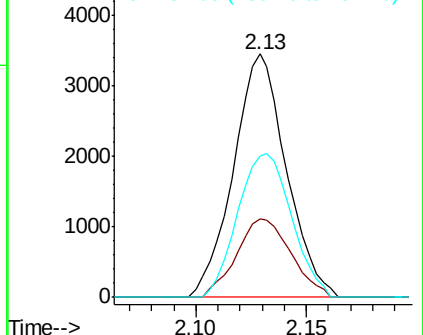
151 60.2 62.4 93.6#



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: 2.484 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

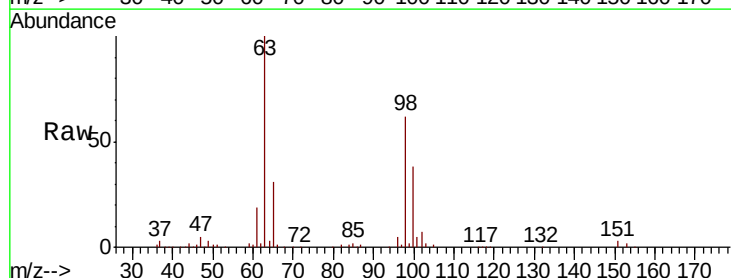
Tgt Ion: 96 Resp: 5047

Ion Ratio Lower Upper

96 100

61 359.5 121.0 224.8#

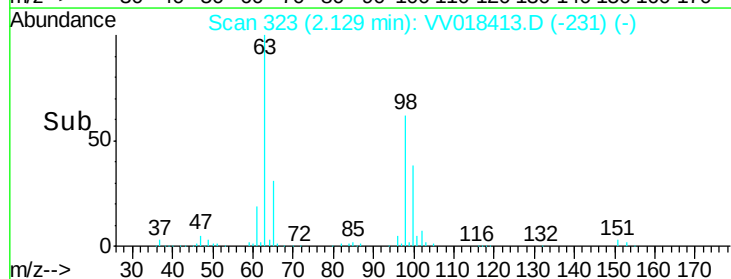
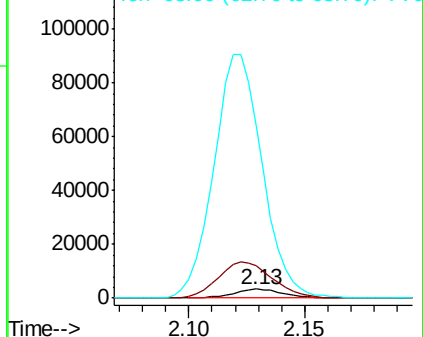
63 1934.5 93.0 172.6#

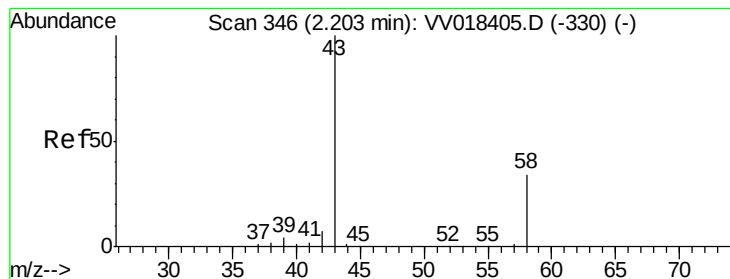


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.375 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

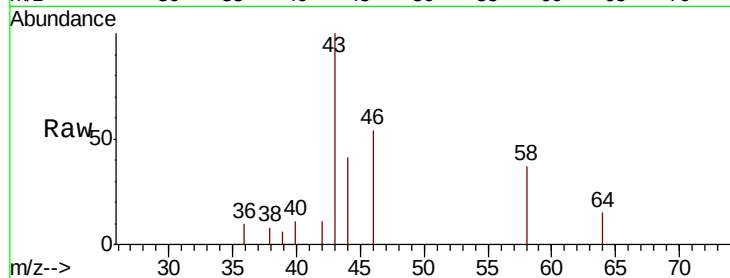
MDL02

Tot Ion: 43 Resp: 5556

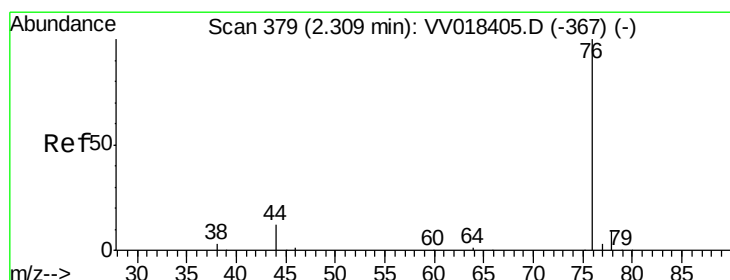
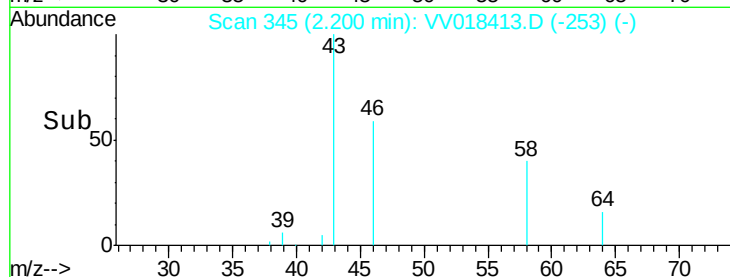
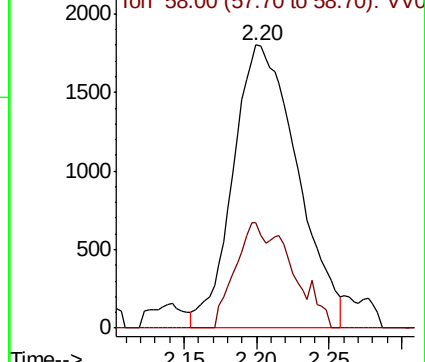
Ion Ratio Lower Upper

43 100

58 17.1 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018413.D (-253) (-)



#14

Carbon disulfide

Concen: 2.152 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018413.D

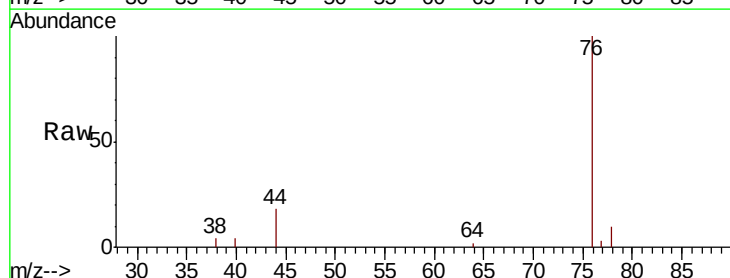
Acq: 23 Sep 2020 15:17

Tgt Ion: 76 Resp: 12415

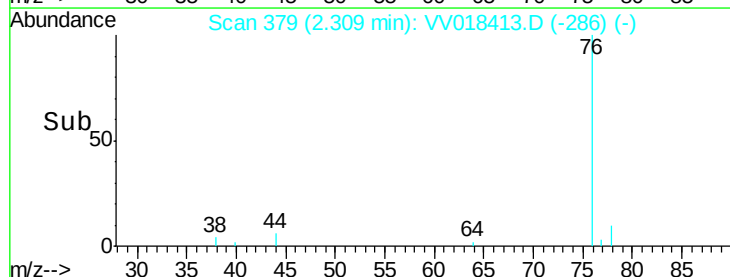
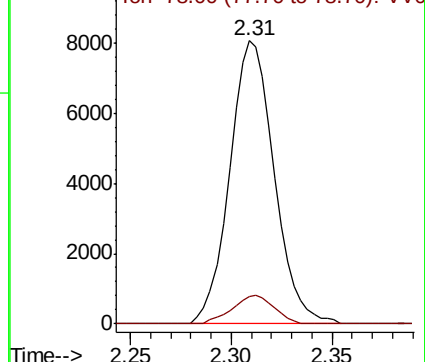
Ion Ratio Lower Upper

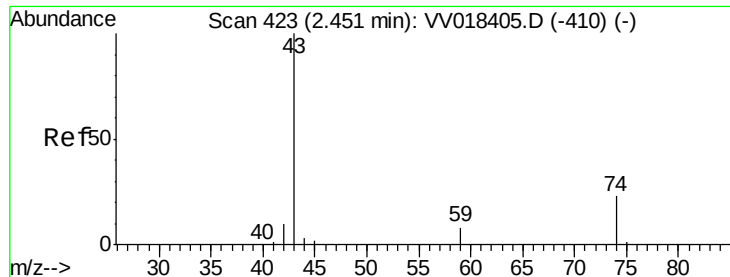
76 100

78 9.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018413.D (-286) (-)





#15

Methvl Acetate

Concen: 2.155 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

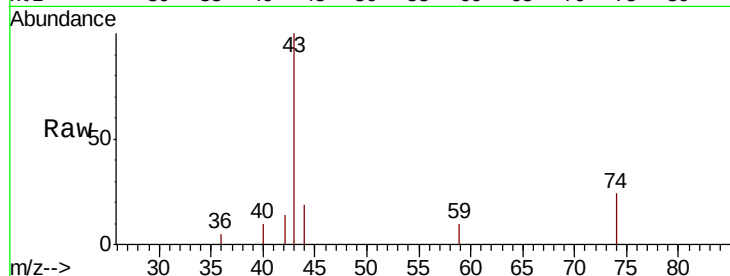
MDL02

Tot Ion: 43 Resp: 4682

Ion Ratio Lower Upper

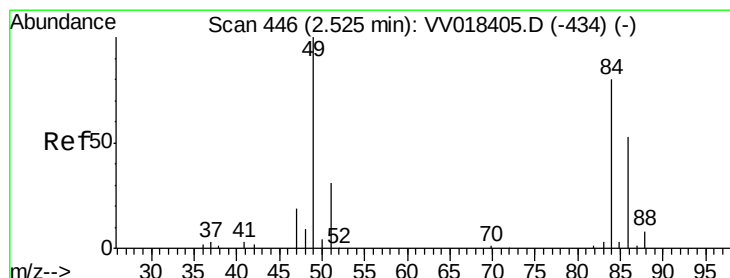
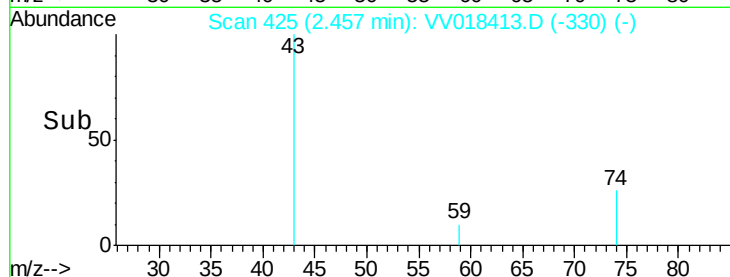
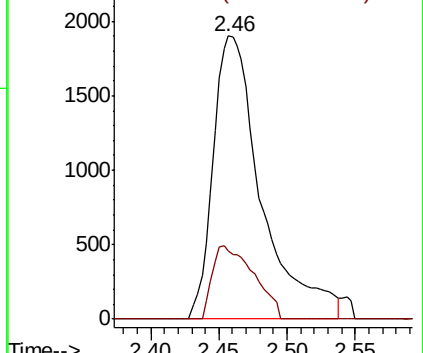
43 100

74 22.2 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: 2.396 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

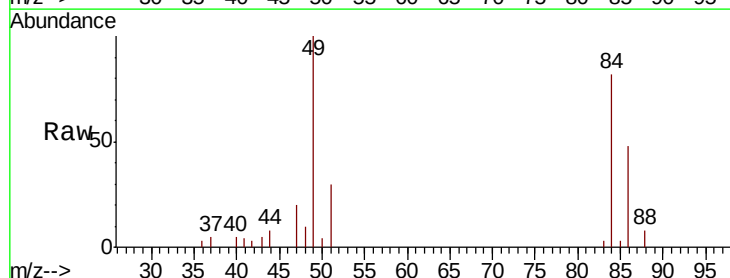
Tgt Ion: 84 Resp: 5513

Ion Ratio Lower Upper

84 100

86 58.8 46.0 85.4

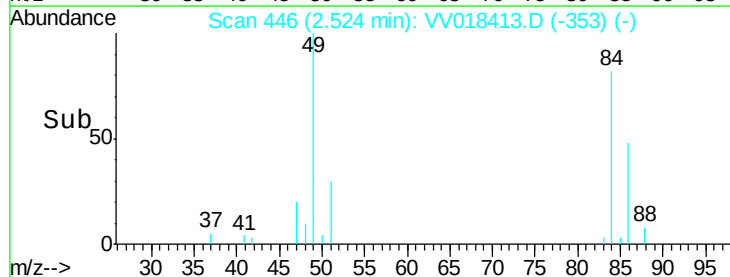
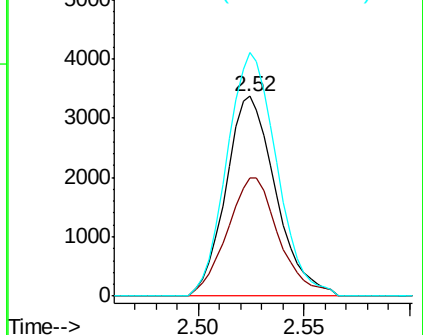
49 121.7 87.5 162.5

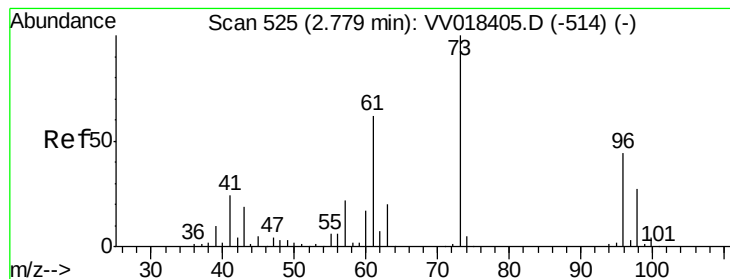


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 2.049 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

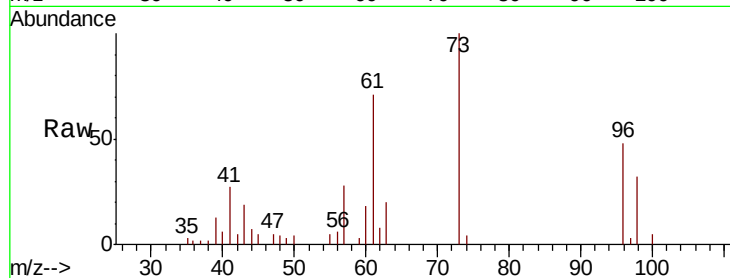
Tot Ion: 96 Resp: 4214

Ion Ratio Lower Upper

96 100

61 146.2 98.3 182.5

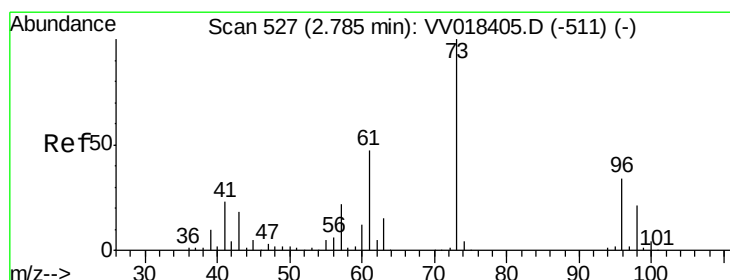
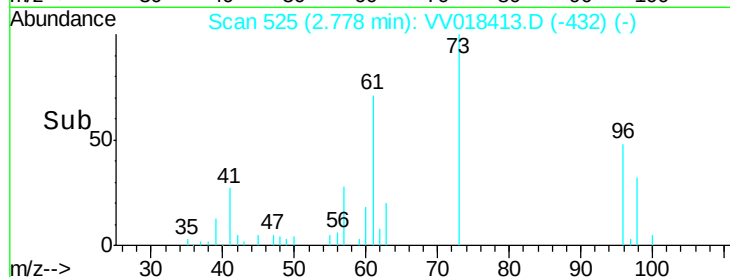
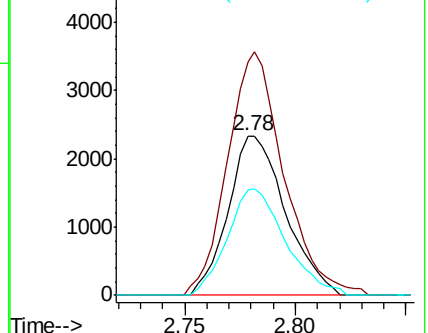
98 65.8 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV018413.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018413.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018413.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 1.947 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

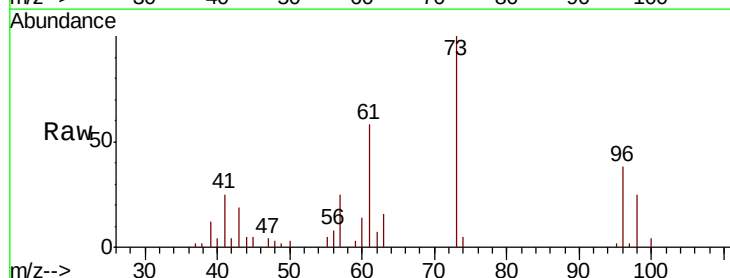
Tgt Ion: 73 Resp: 12448

Ion Ratio Lower Upper

73 100

43 18.9 15.4 23.2

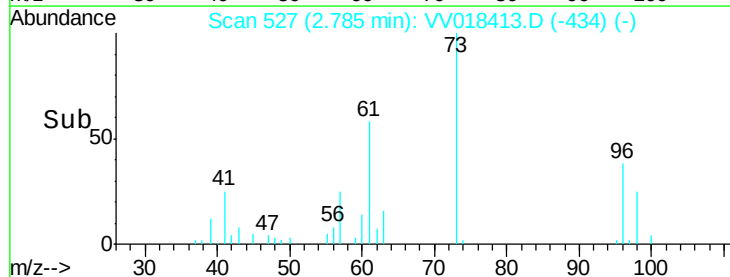
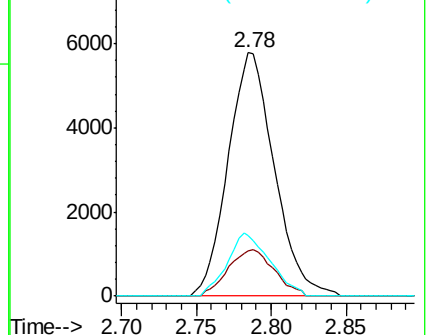
57 23.8 17.8 26.6

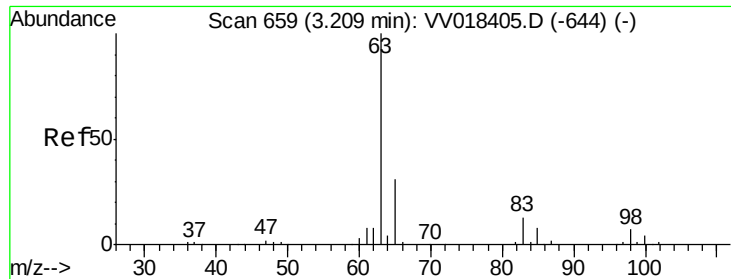


Abundance Ion 73.00 (72.70 to 73.70): VV018413.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018413.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018413.D (-434) (-)

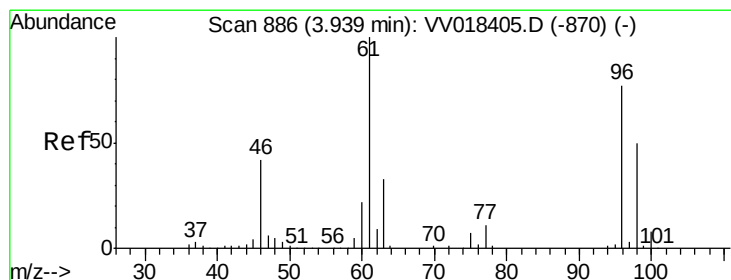
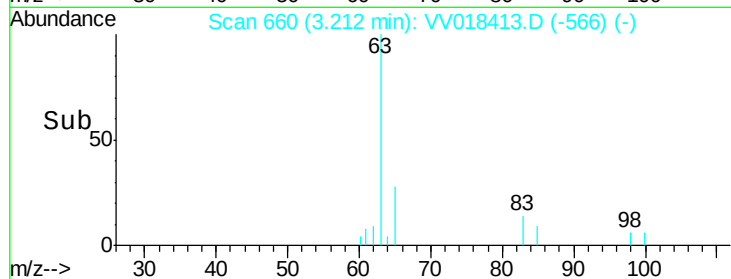
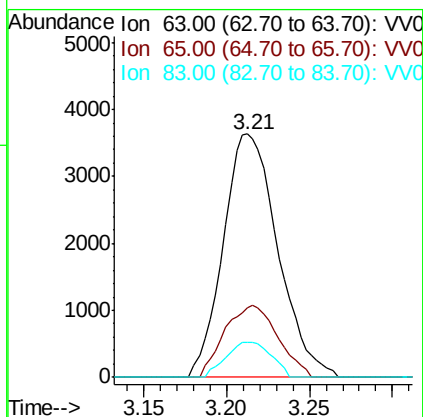
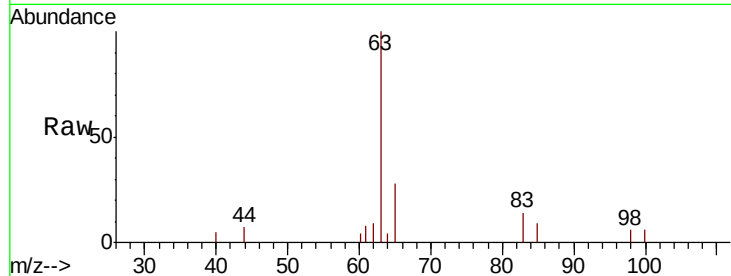




#19
 1,1-Dichloroethane
 Concen: 2.079 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

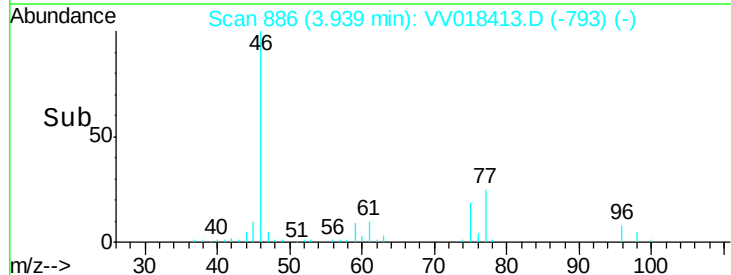
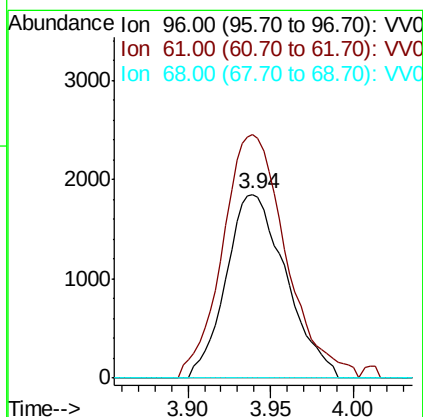
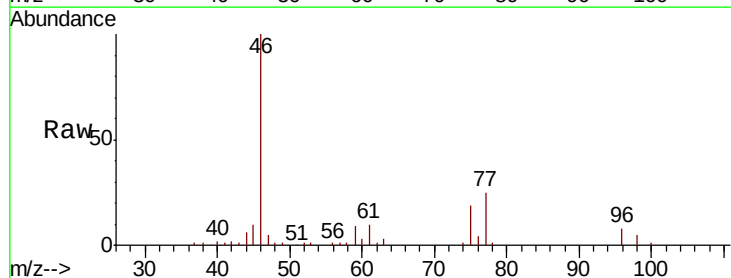
Instrument :
 MSVOA_V
 ClientSampleID :
 MDL02

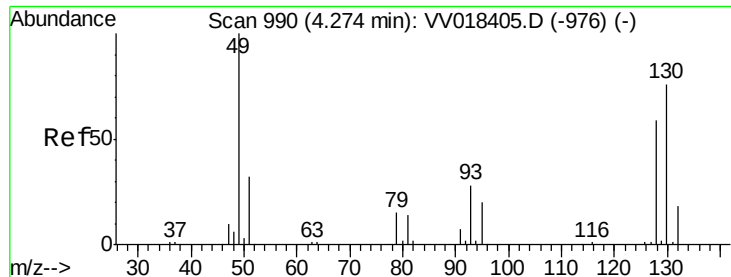
Tot Ion: 63 Resp: 8302
 Ion Ratio Lower Upper
 63 100
 65 28.5 21.8 40.6
 83 14.4 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 2.100 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion: 96 Resp: 4658
 Ion Ratio Lower Upper
 96 100
 61 132.4 90.4 167.8
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 1.860 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:128 Resp: 2209

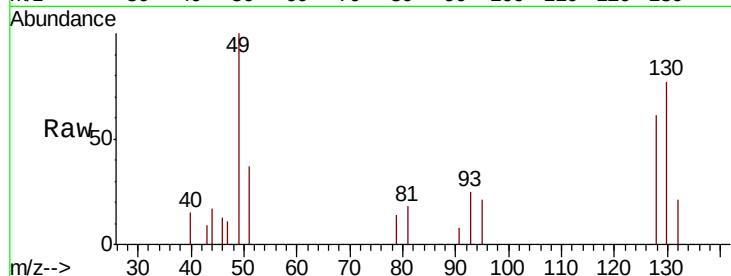
Ion Ratio Lower Upper

128 100

49 164.8 120.3 223.3

130 126.8 91.3 169.5

51 60.5 43.1 64.7

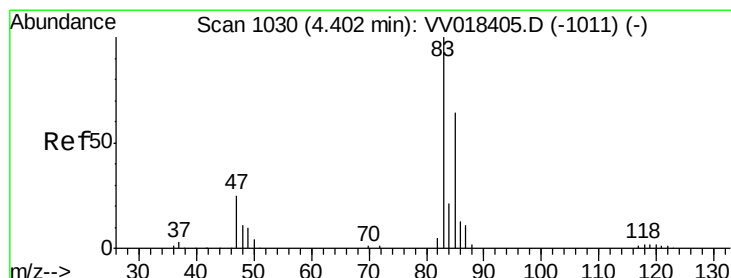
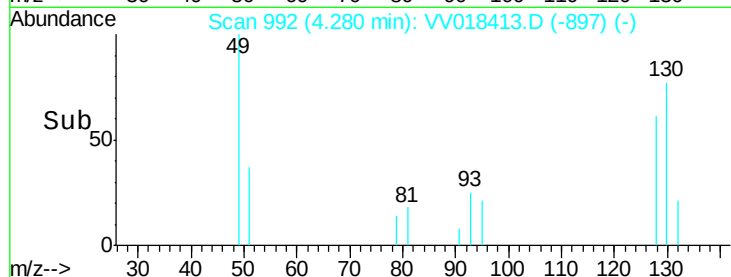
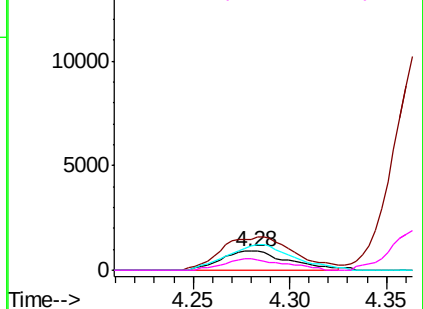


Abundance Ion 128.00 (127.70 to 128.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 2.550 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV018413.D

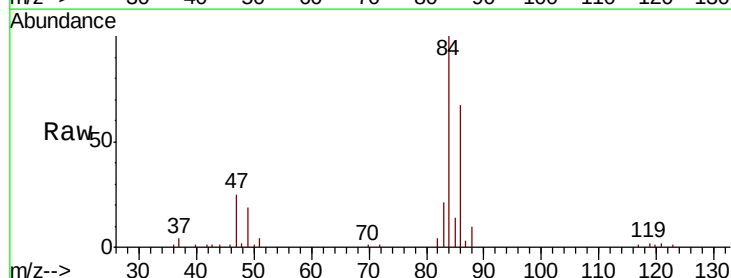
Acq: 23 Sep 2020 15:17

Tgt Ion: 83 Resp: 10297

Ion Ratio Lower Upper

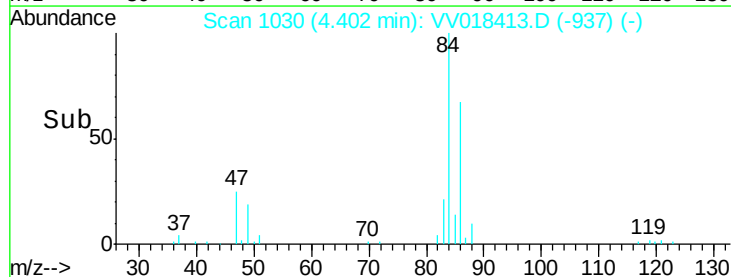
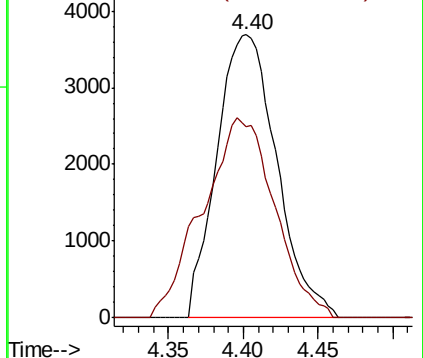
83 100

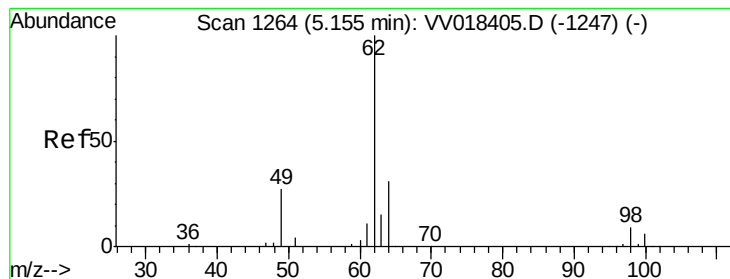
85 67.7 45.2 84.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.106 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

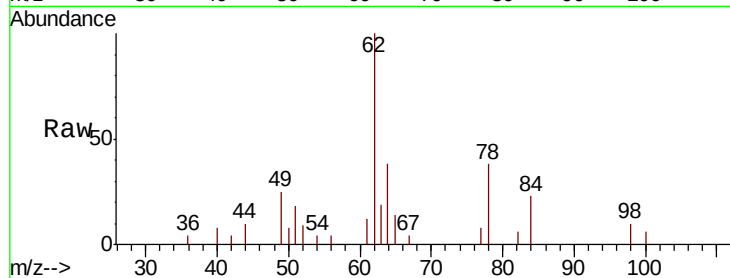
MDL02

Tot Ion: 62 Resp: 6587

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

3000

2500

2000

1500

1000

500

0

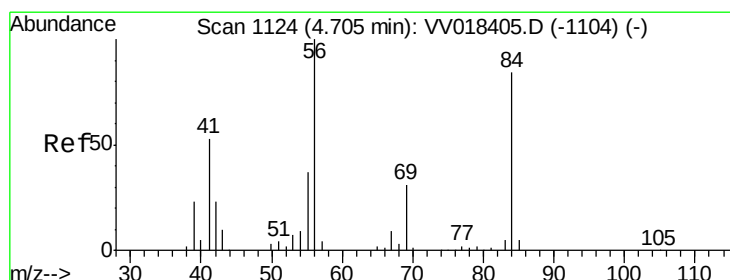
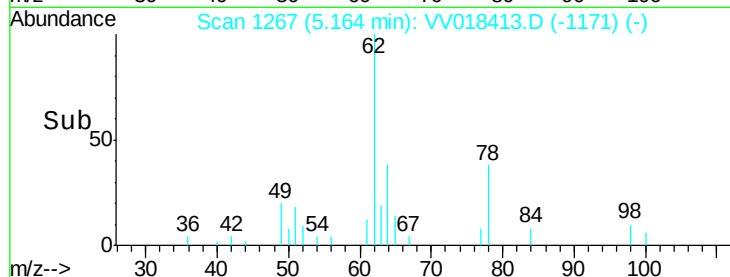
Time-->

5.10

5.15

5.20

5.25



#29

Cyclohexane

Concen: 1.942 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

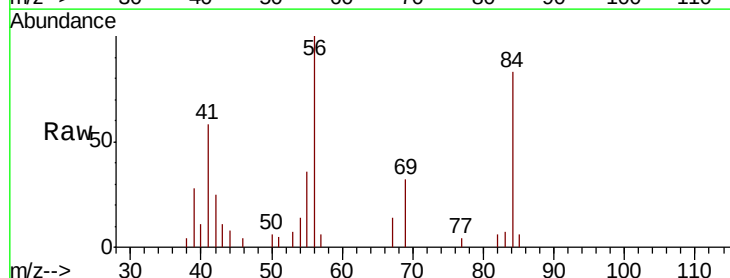
Tgt Ion: 56 Resp: 6543

Ion Ratio Lower Upper

56 100

69 30.8 24.4 36.6

84 84.1 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

3000

2000

1000

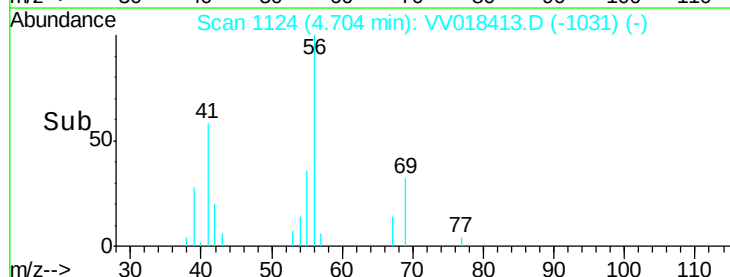
0

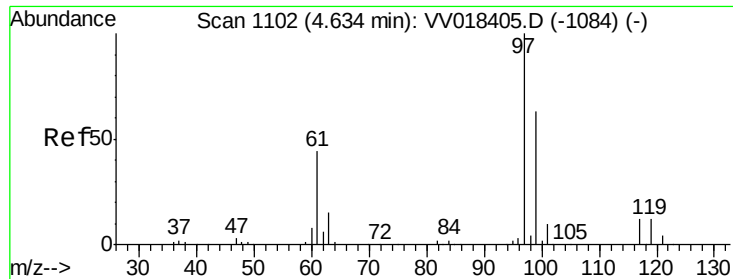
Time-->

4.65

4.70

4.75

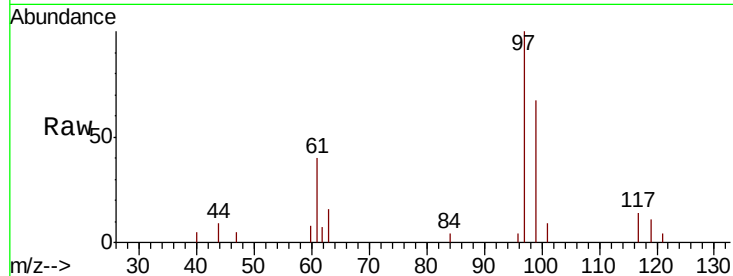




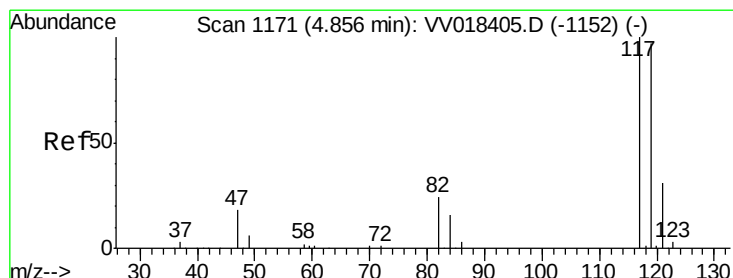
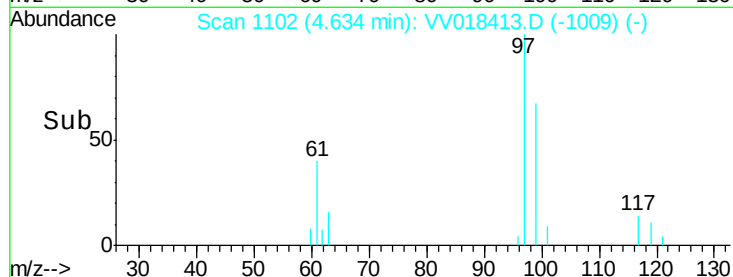
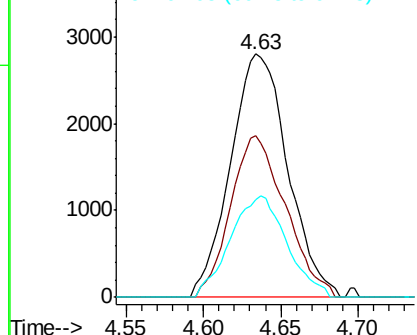
#30
 1,1,1-Trichloroethane
 Concen: 2.026 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 97 Resp: 7216
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.7 76.1
 61 41.0 35.0 52.6

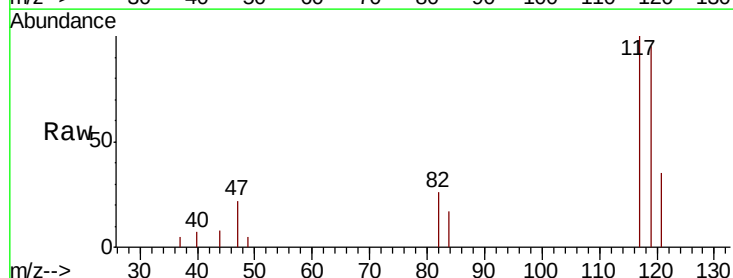


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

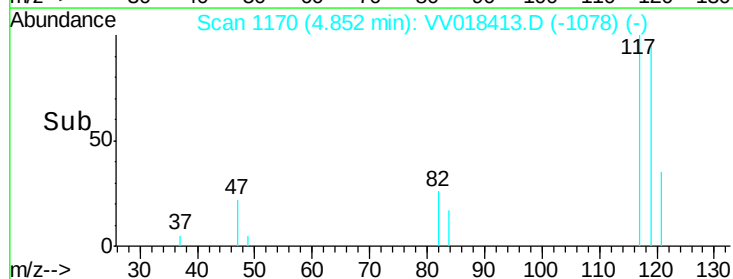
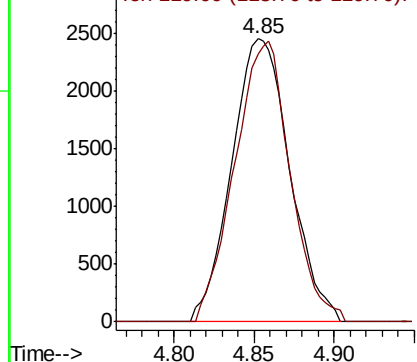


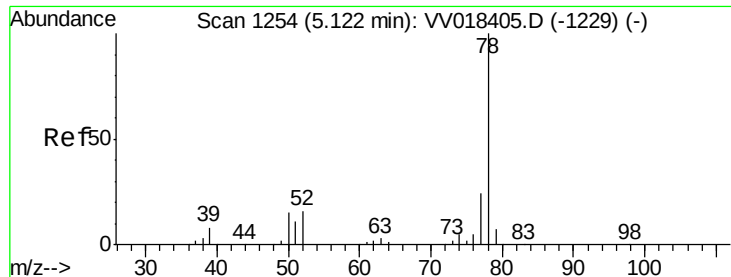
#31
 Carbon tetrachloride
 Concen: 1.969 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion: 117 Resp: 6112
 Ion Ratio Lower Upper
 117 100
 119 94.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.135 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

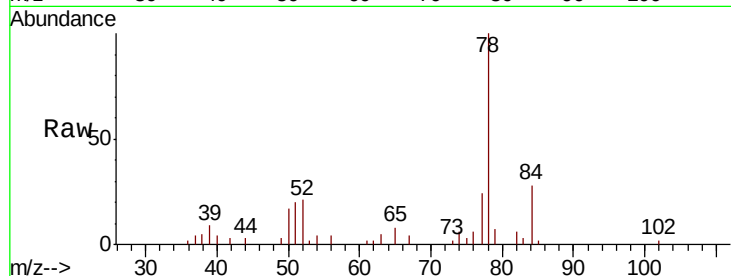
Instrument :

MSVOA_V

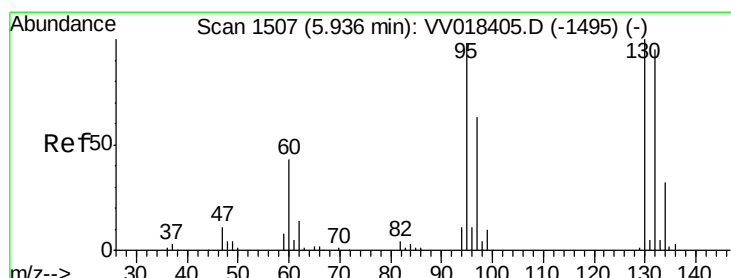
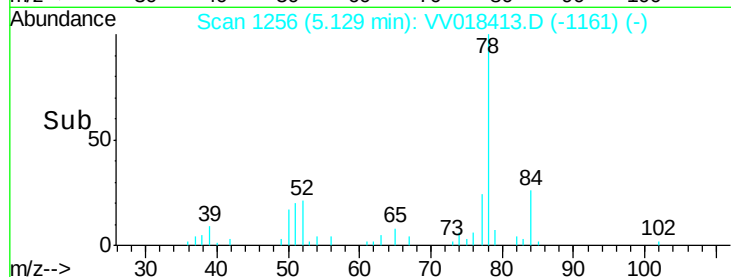
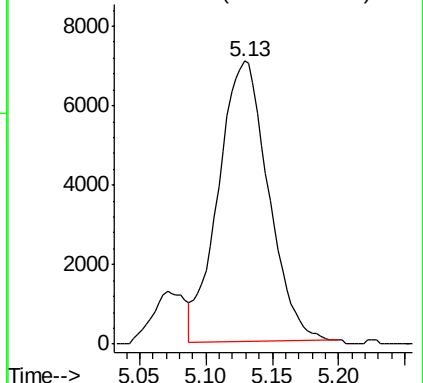
ClientSampled :

MDL02

Tgt Ion: 78 Resp: 18516



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.291 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion: 95 Resp: 5462

Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.7	83.1
132	101.0	67.8	126.0
130	108.0	71.5	132.7

95 100

97 63.0 44.7 83.1

132 101.0 67.8 126.0

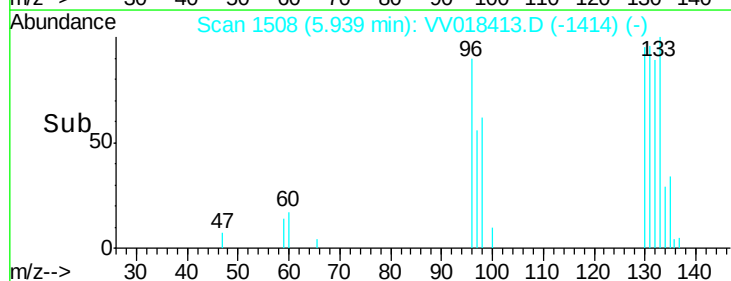
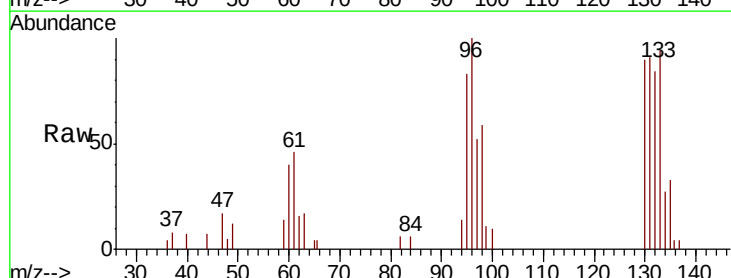
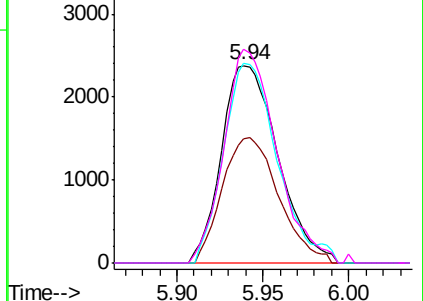
130 108.0 71.5 132.7

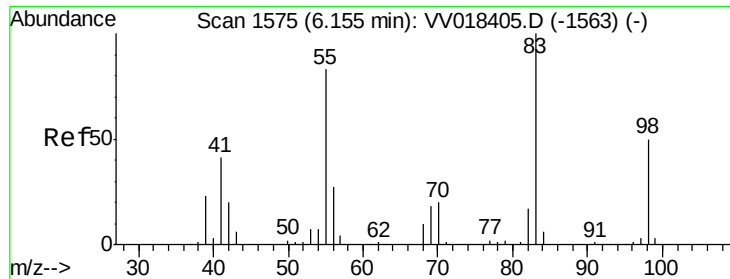
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

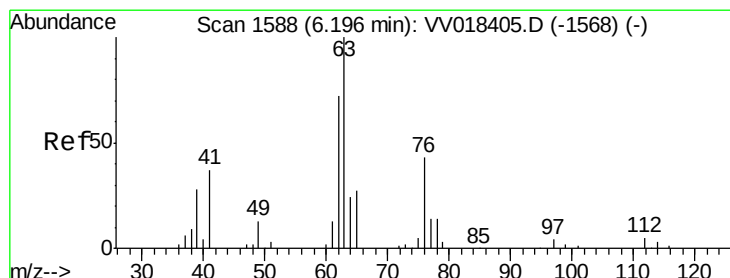
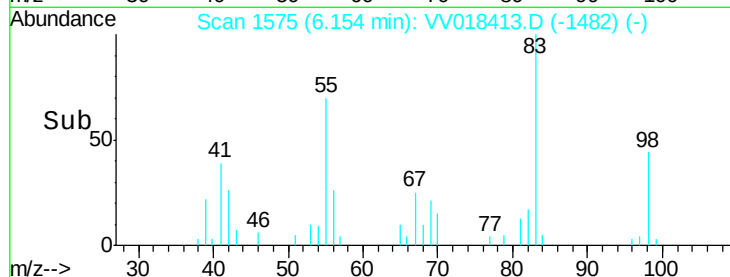
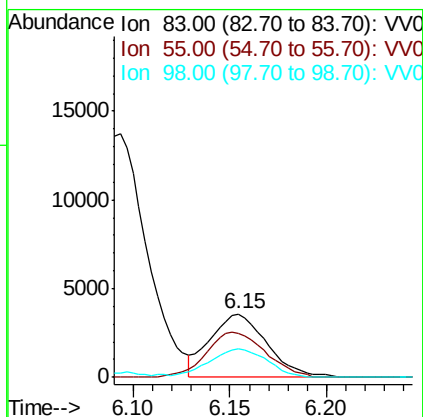
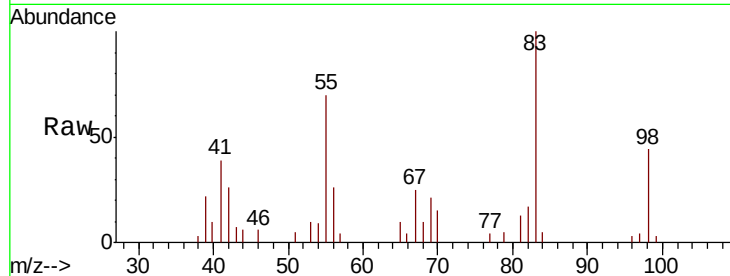




#35
Methylvlcyclohexane
Concen: 2.108 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

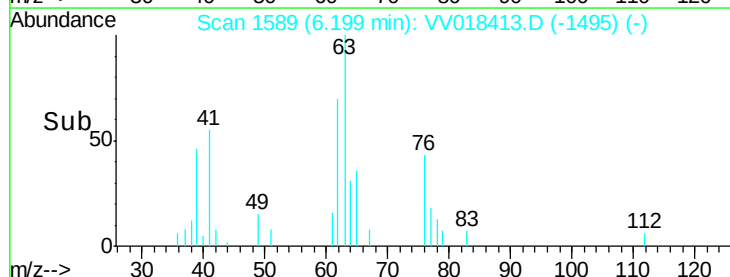
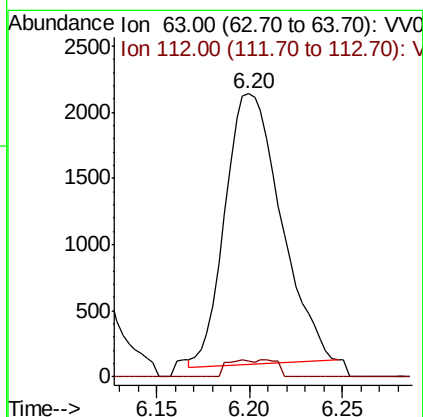
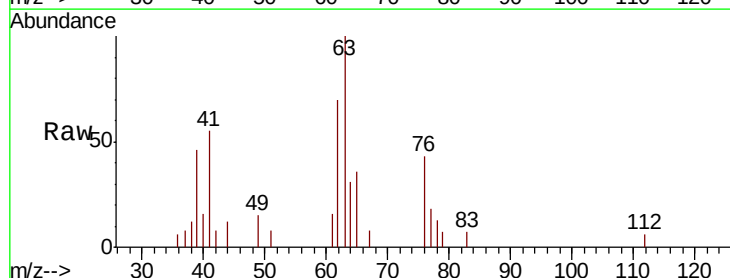
Instrument :
MSVOA_V
ClientSampleId :
MDL02

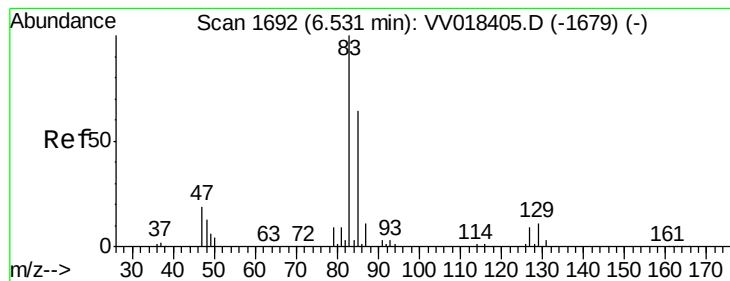
Tot Ion: 83 Resp: 7296
Ion Ratio Lower Upper
83 100
55 74.1 63.6 95.4
98 45.2 38.6 58.0



#37
1,2-Dichloropropane
Concen: 1.861 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 63 Resp: 4268
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#38

Bromodichloromethane

Concen: 1.990 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

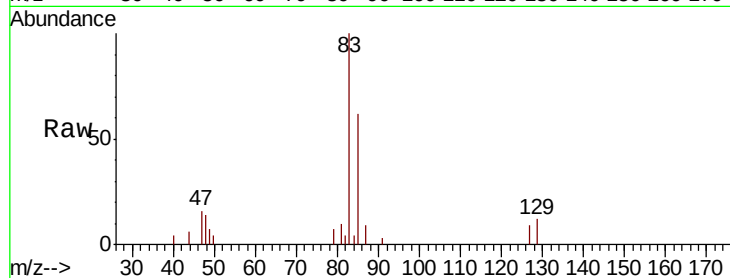
Tot Ion: 83 Resp: 5971

Ion Ratio Lower Upper

83 100

85 61.6 45.1 83.9

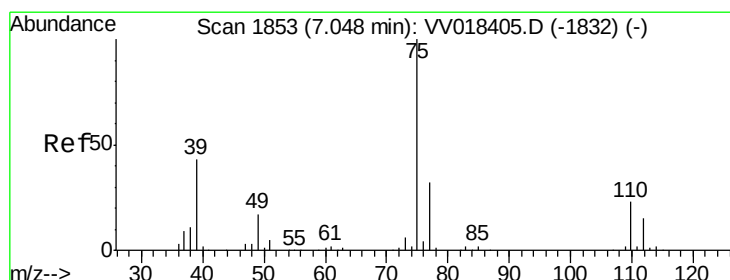
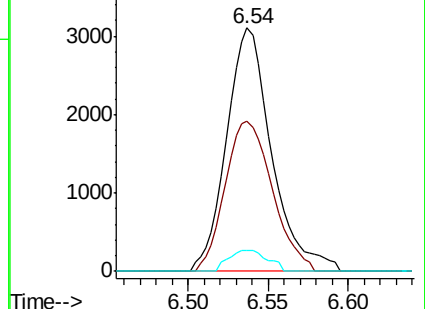
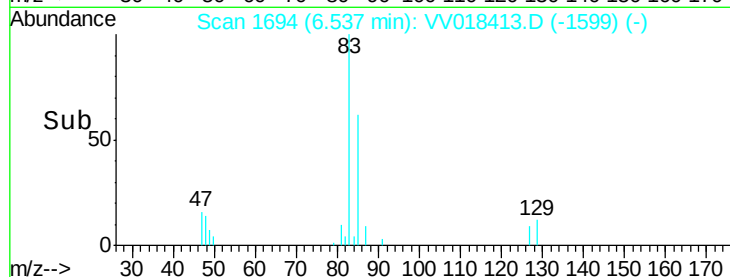
127 8.7 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV018413.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018413.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV018413.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.973 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV018413.D

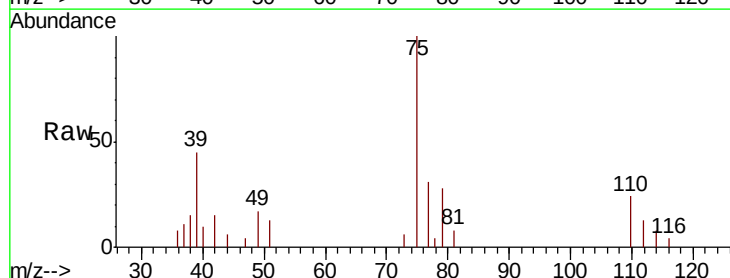
Acq: 23 Sep 2020 15:17

Tgt Ion: 75 Resp: 6787

Ion Ratio Lower Upper

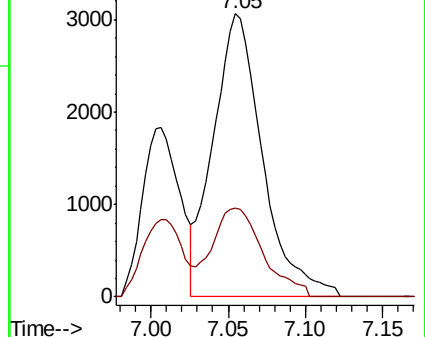
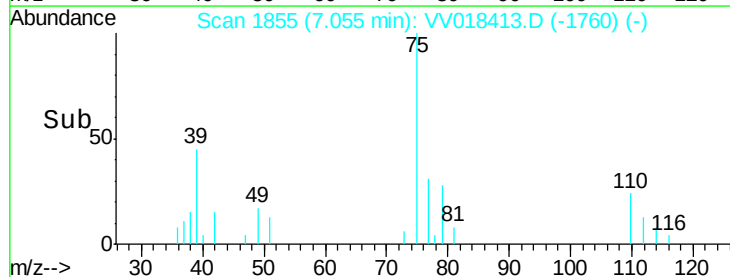
75 100

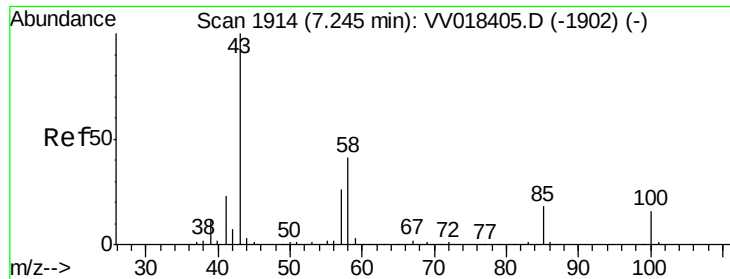
77 31.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018413.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV018413.D (-1760) (-)

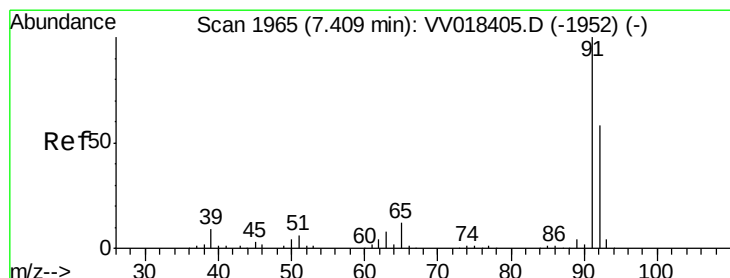
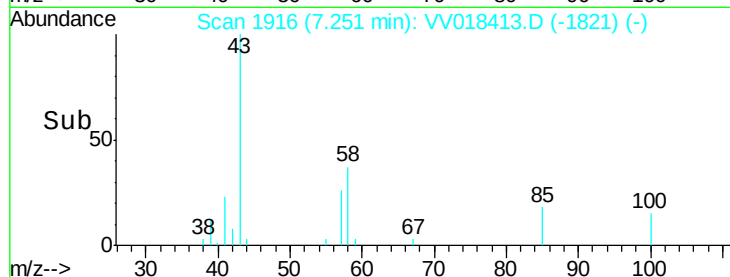
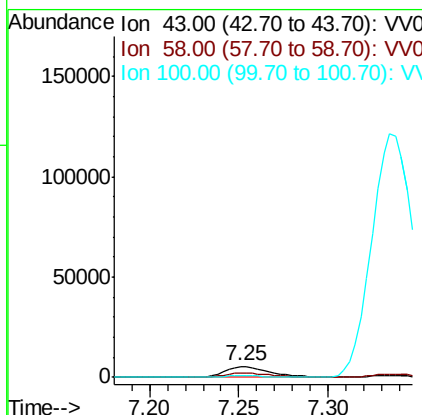
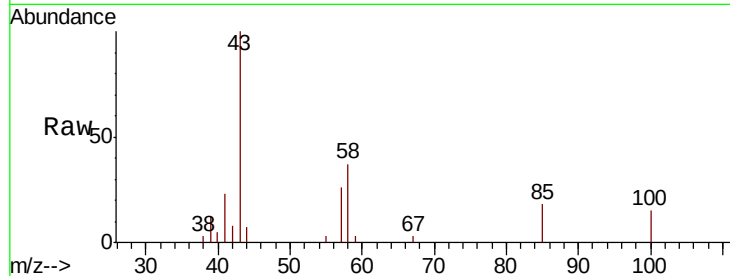




#40
4-Methyl-2-pentanone
Concen: 3.644 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

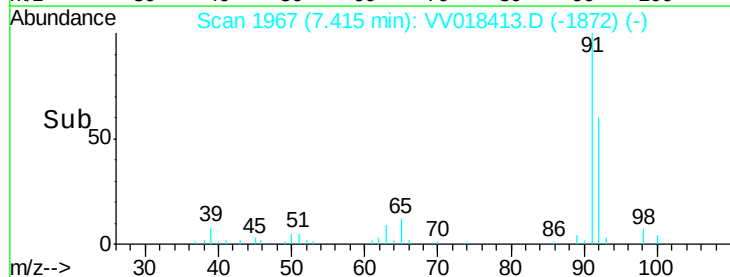
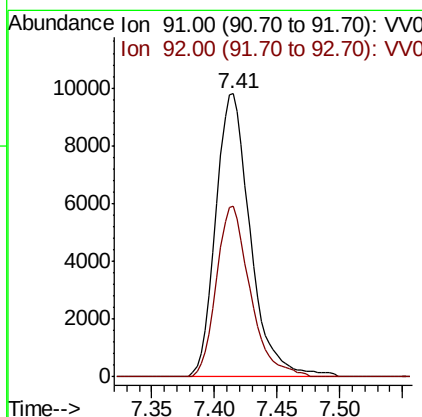
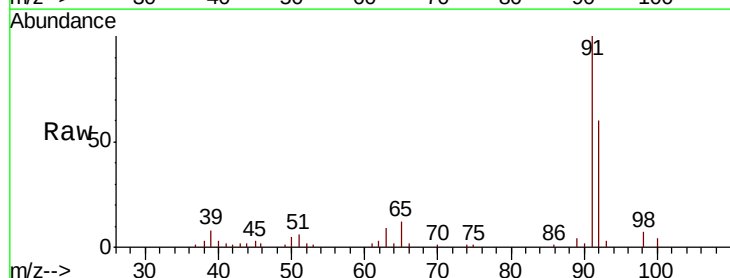
Instrument :
MSVOA_V
ClientSampleId :
MDL02

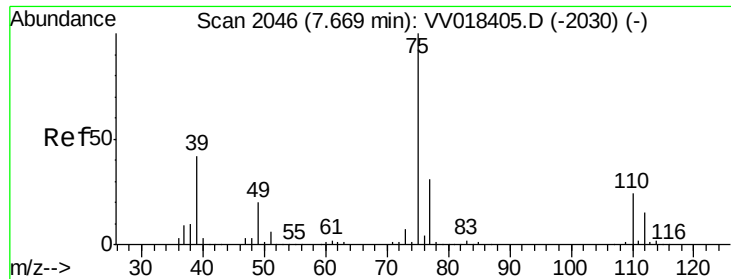
Tot Ion: 43 Resp: 9917
Ion Ratio Lower Upper
43 100
58 39.4 32.4 48.6
100 14.2 13.0 19.4



#42
Toluene
Concen: 2.066 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 91 Resp: 18794
Ion Ratio Lower Upper
91 100
92 60.4 40.7 75.7

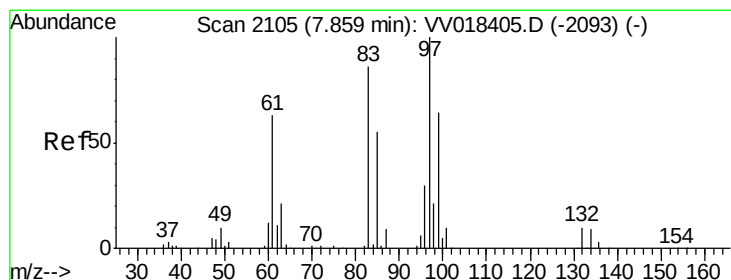
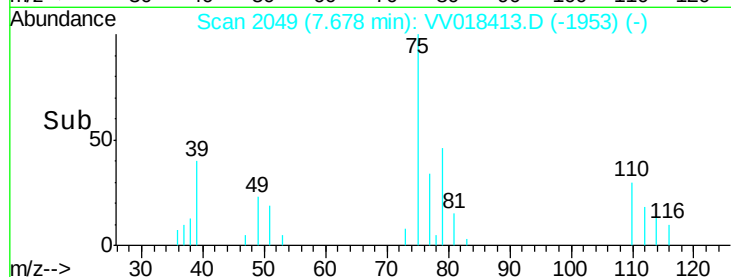
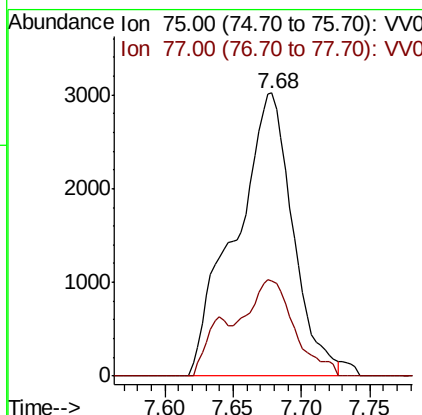
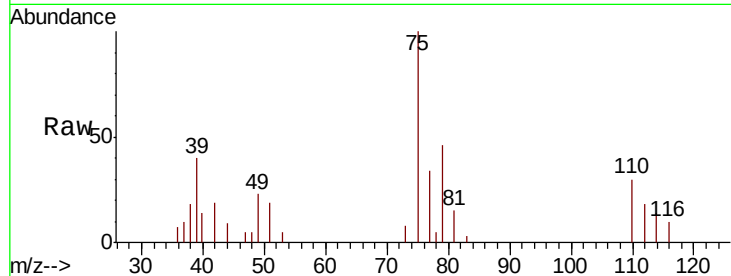




#44
trans-1,3-Dichloropropene
Concen: 2.588 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

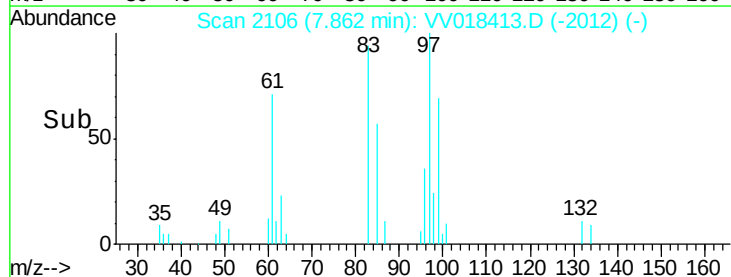
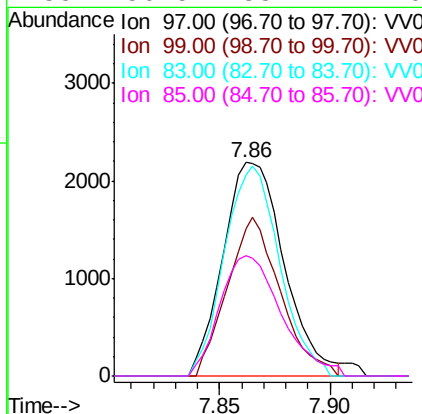
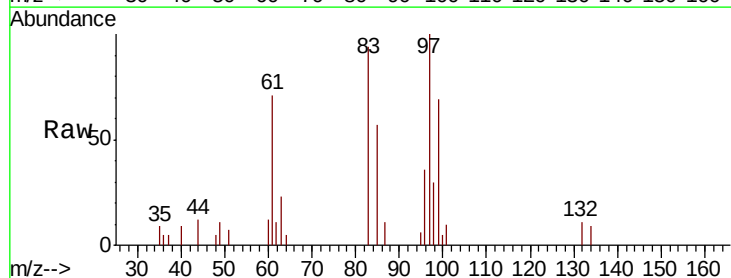
Instrument :
MSVOA_V
ClientSampleId :
MDL02

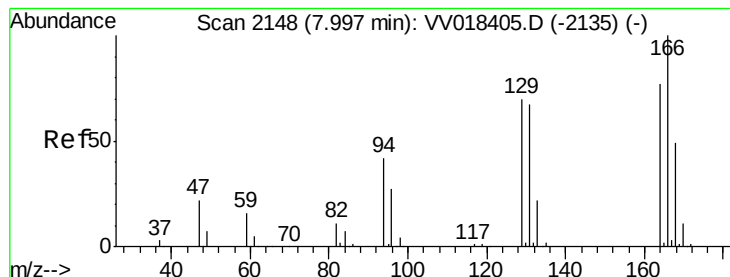
Tot Ion: 75 Resp: 8825
Ion Ratio Lower Upper
75 100
77 33.8 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 1.947 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 97 Resp: 4203
Ion Ratio Lower Upper
97 100
99 68.8 44.6 82.8
83 94.1 60.5 112.5
85 56.5 38.2 71.0





#46

Tetrachloroethene

Concen: 2.089 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:164 Resp: 3900

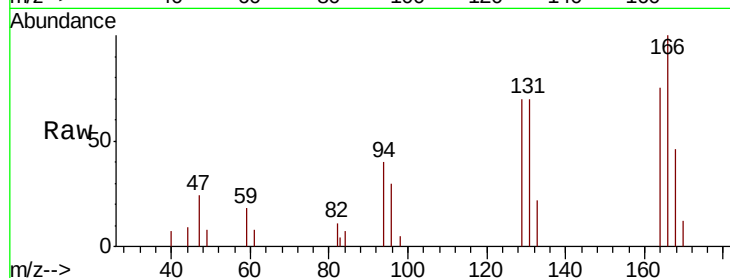
Ion Ratio Lower Upper

164 100

129 93.4 63.7 118.3

131 94.2 60.6 112.6

166 134.2 90.6 168.3

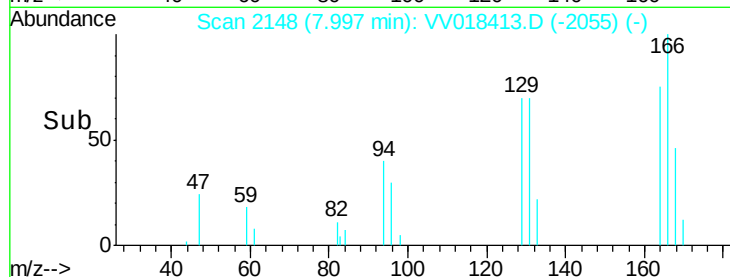


Abundance Ion 164.00 (163.70 to 164.70): V

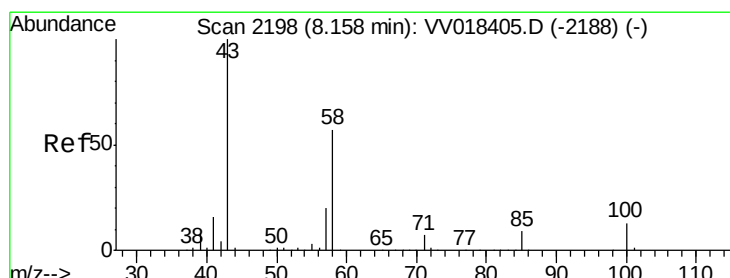
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#48

2-Hexanone

Concen: 6.026 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion: 43 Resp: 13896

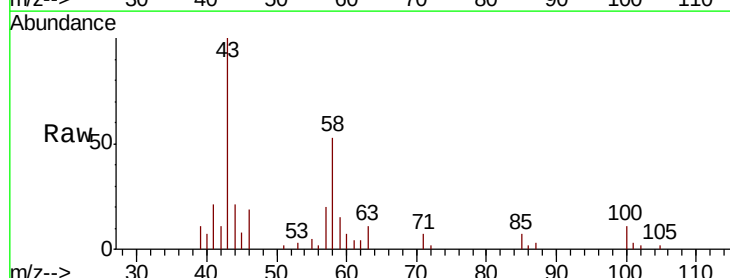
Ion Ratio Lower Upper

43 100

58 51.1 45.4 68.0

57 16.7 16.0 24.0

100 8.7 10.1 15.1#

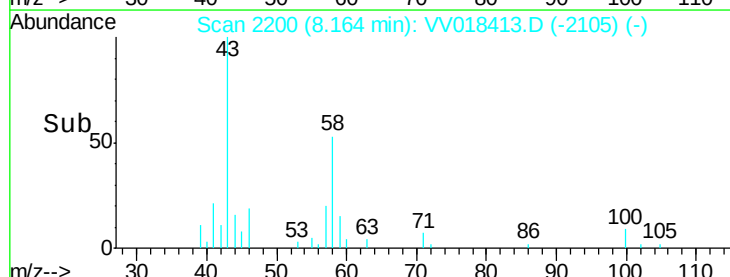


Abundance Ion 43.00 (42.70 to 43.70): VV0

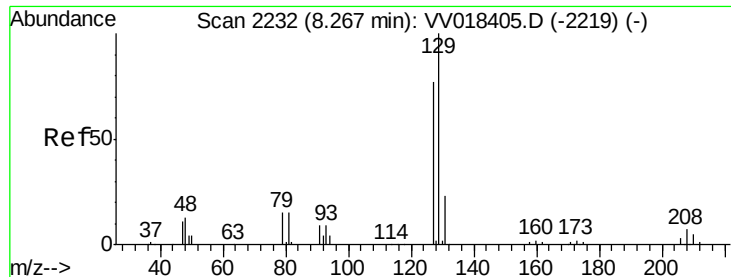
Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



Time-->



#49

Dibromochloromethane

Concen: 1.898 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

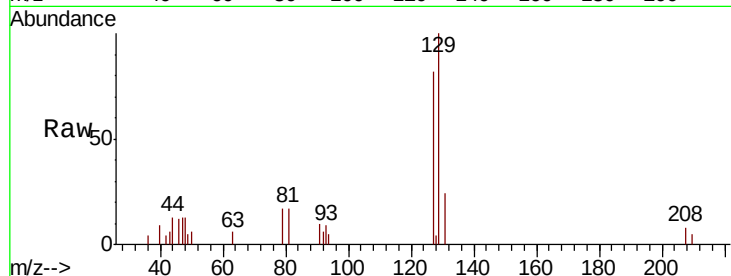
MDL02

Tot Ion:129 Resp: 4563

Ion Ratio Lower Upper

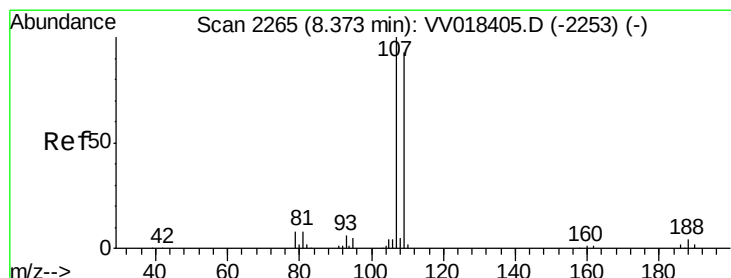
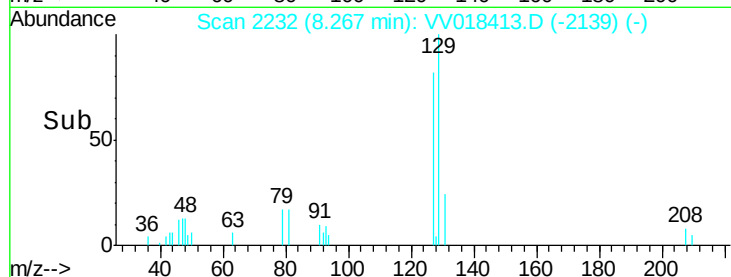
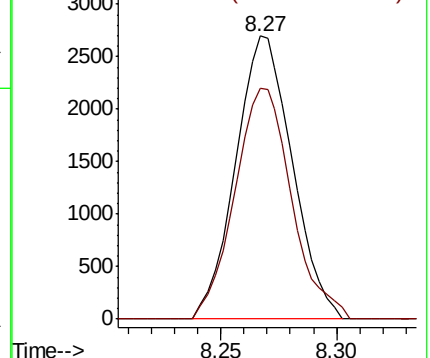
129 100

127 81.6 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: 1.937 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

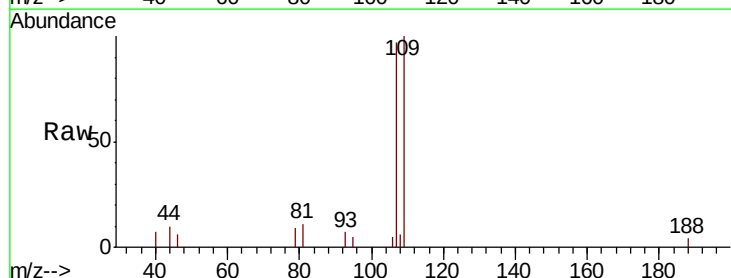
Tgt Ion:107 Resp: 4354

Ion Ratio Lower Upper

107 100

109 103.0 64.9 120.5

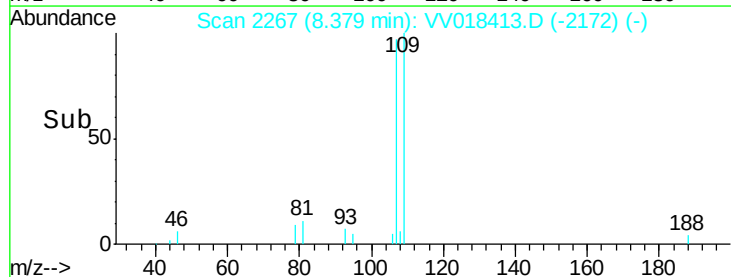
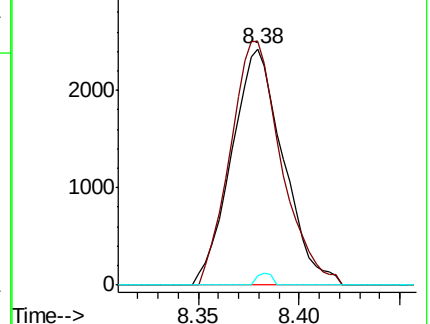
188 4.2 3.4 5.0

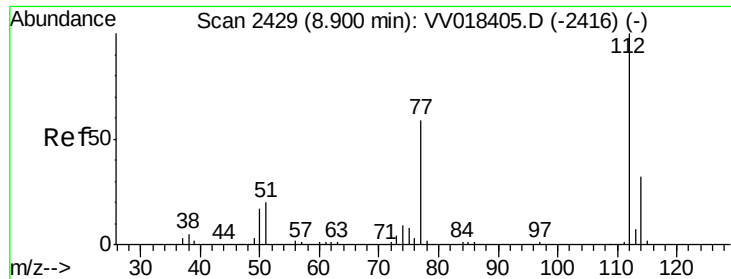


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

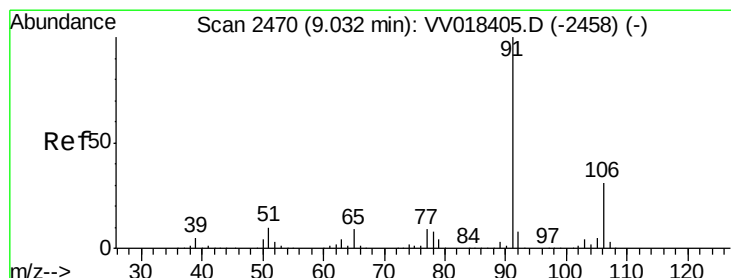
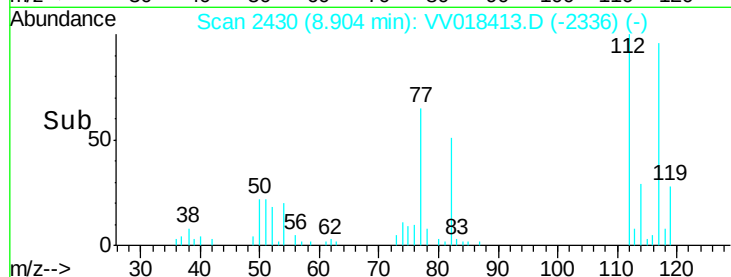
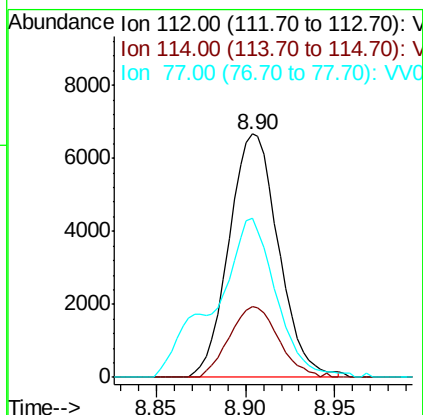
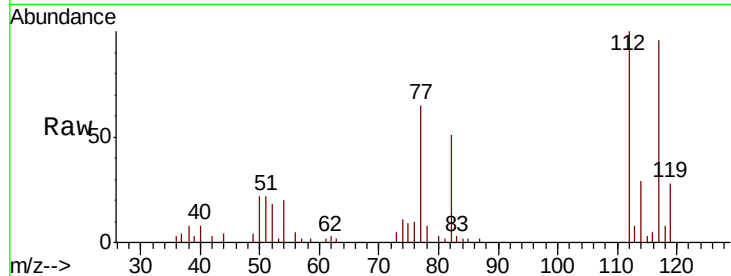




#51
Chlorobenzene
Concen: 2.120 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

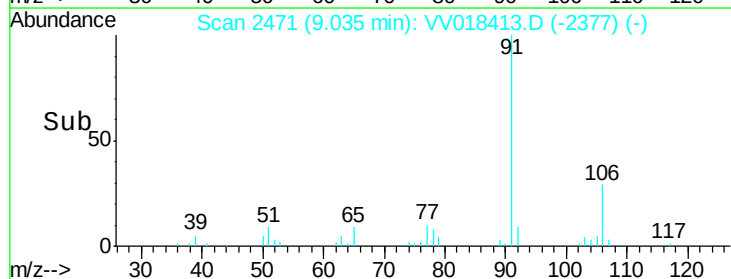
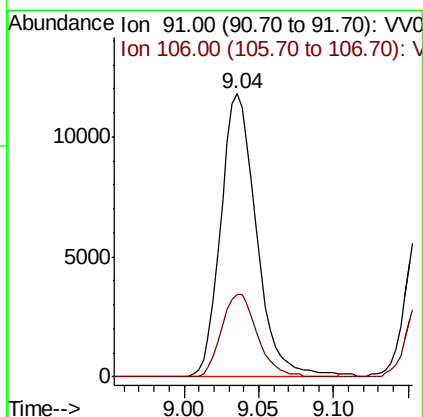
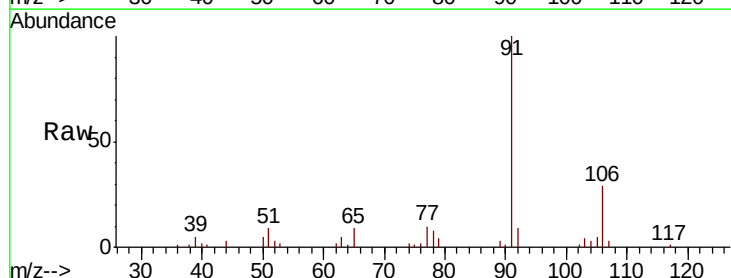
Instrument :
MSVOA_V
ClientSampleId :
MDL02

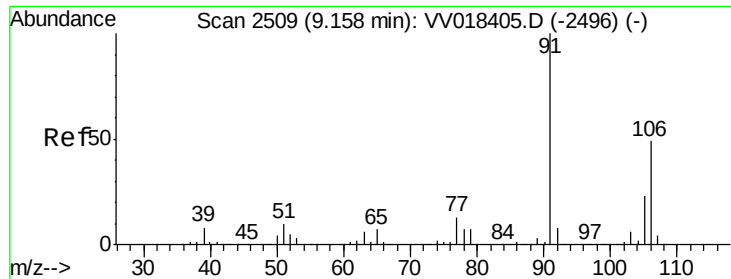
Tot Ion:112 Resp: 12888
Ion Ratio Lower Upper
112 100
114 28.9 22.2 41.2
77 65.2 47.4 71.2



#52
Ethylbenzene
Concen: 1.959 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018413.D
Acq: 23 Sep 2020 15:17

Tgt Ion: 91 Resp: 19609
Ion Ratio Lower Upper
91 100
106 29.3 21.4 39.8





#53

m,p-Xylene

Concen: 1.861 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

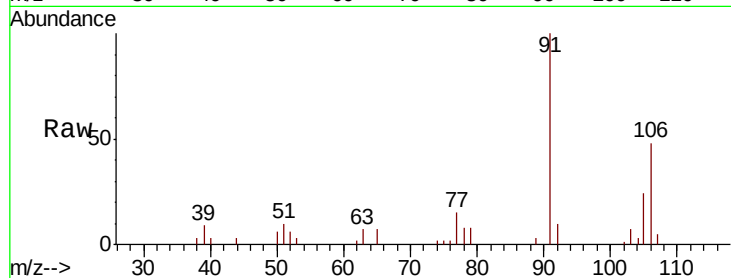
MDL02

Tot Ion:106 Resp: 6957

Ion Ratio Lower Upper

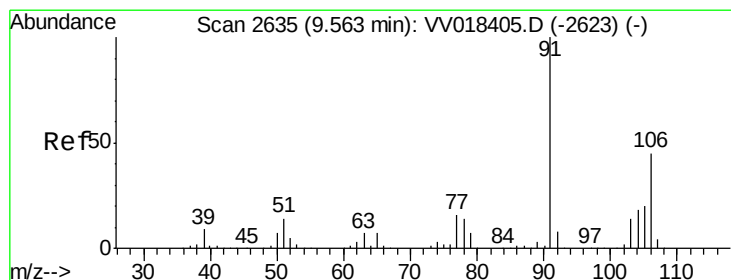
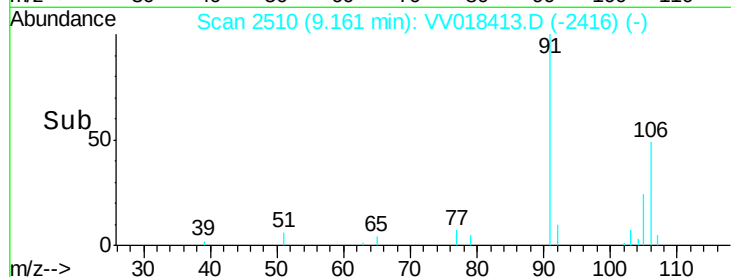
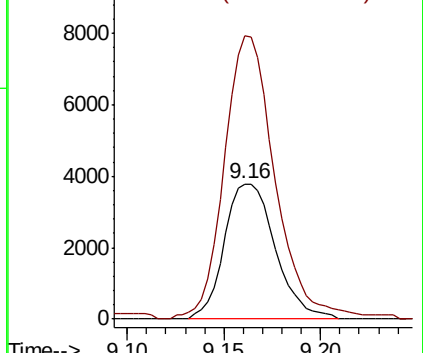
106 100

91 208.9 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 1.837 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018413.D

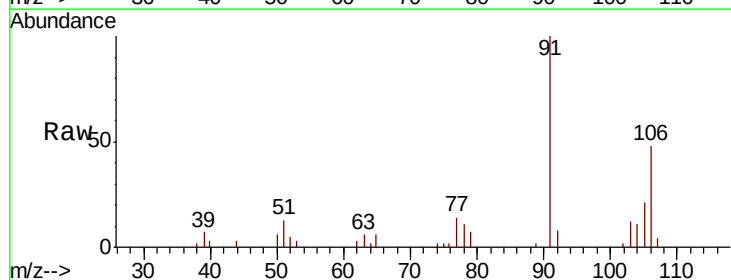
Acq: 23 Sep 2020 15:17

Tgt Ion:106 Resp: 6615

Ion Ratio Lower Upper

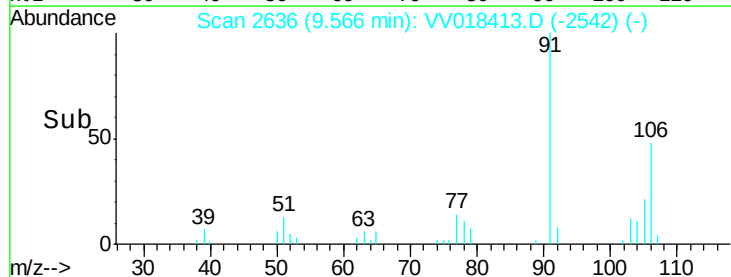
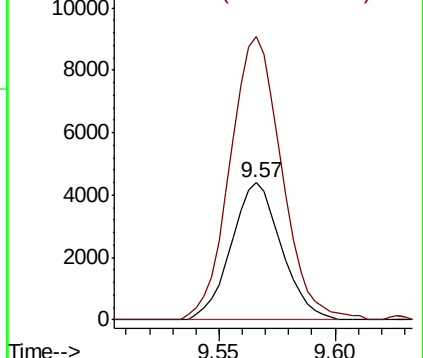
106 100

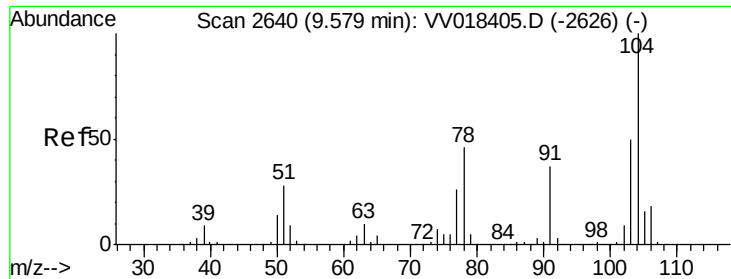
91 206.3 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.596 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

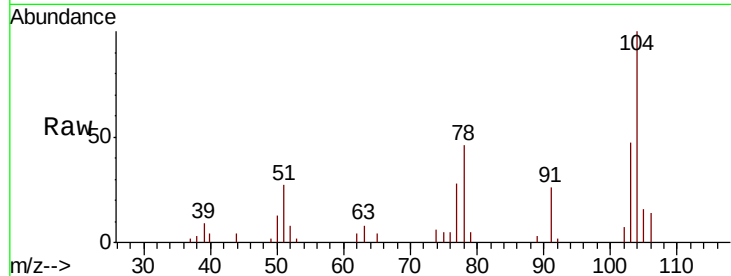
MDL02

Tot Ion:104 Resp: 10052

Ion Ratio Lower Upper

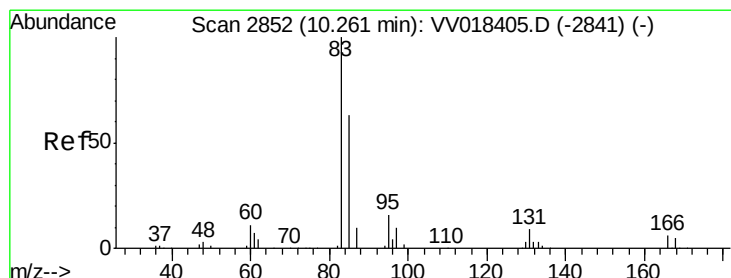
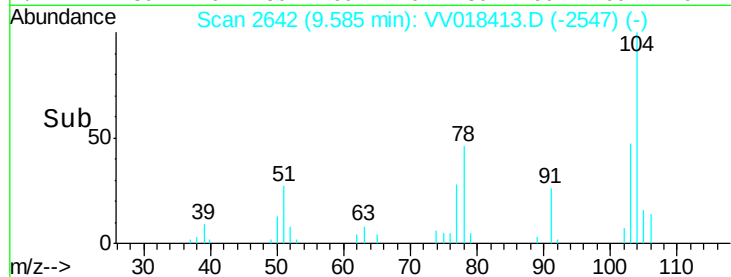
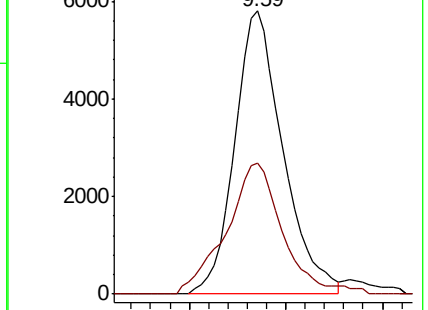
104 100

78 46.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): VV018405.D (-2626) (-)

Ion 78.00 (77.70 to 78.70): VV018405.D (-2626) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.119 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

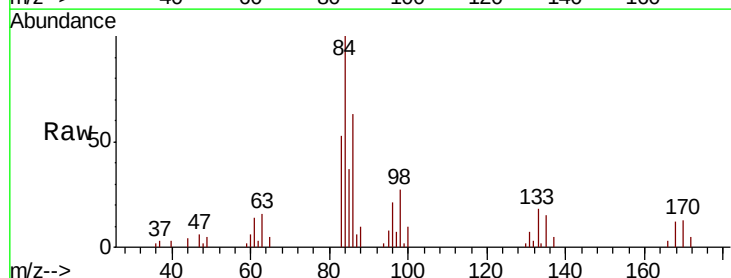
Tgt Ion: 83 Resp: 6672

Ion Ratio Lower Upper

83 100

85 69.3 44.4 82.5

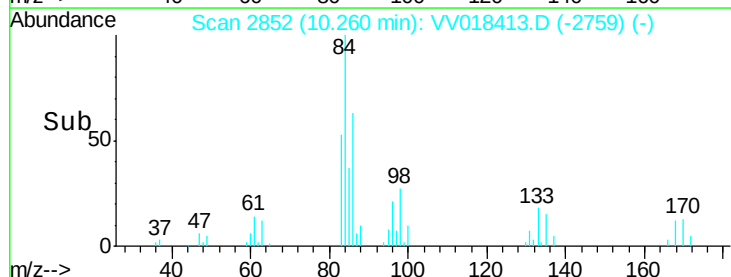
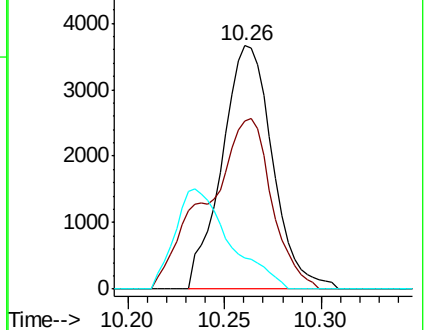
131 12.9 7.8 11.6#

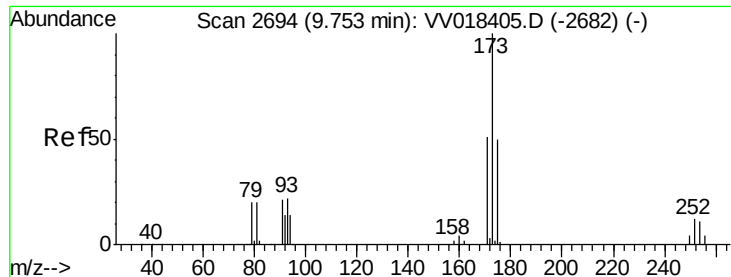


Abundance Ion 83.00 (82.70 to 83.70): VV018405.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV018405.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV018405.D (-2841) (-)





#59

Bromoform

Concen: 2.040 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

MDL02

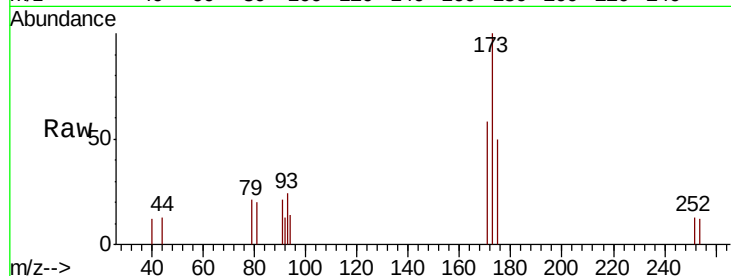
Tot Ion:173 Resp: 3351

Ion Ratio Lower Upper

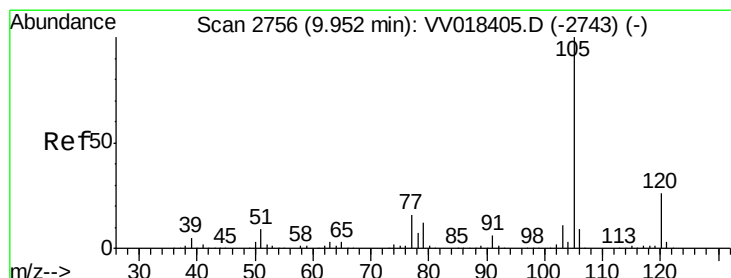
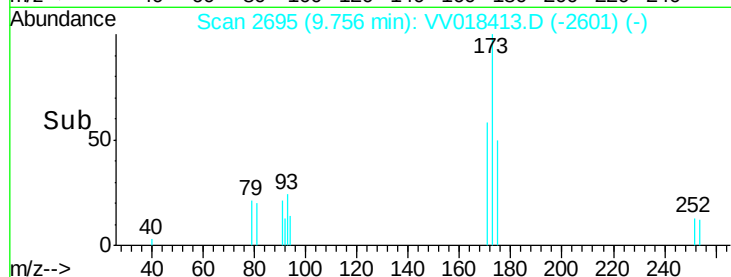
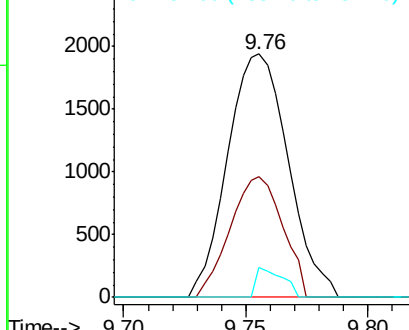
173 100

175 42.9 39.4 59.2

254 5.2 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: 1.854 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

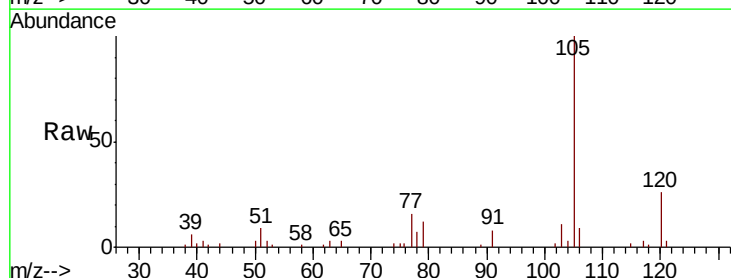
Tgt Ion:105 Resp: 16794

Ion Ratio Lower Upper

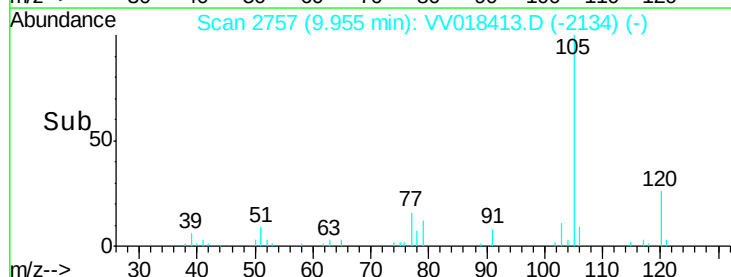
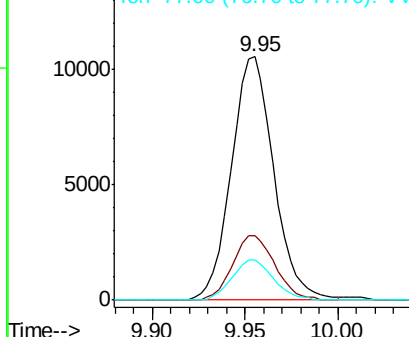
105 100

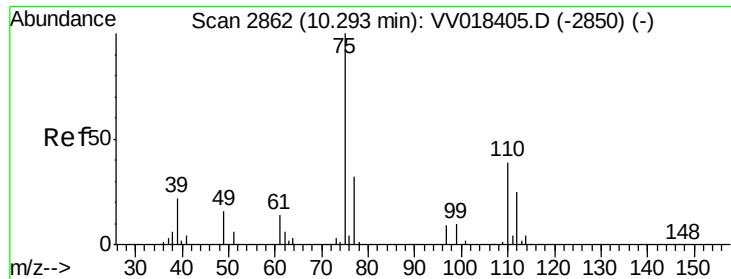
120 26.2 20.8 31.2

77 16.0 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): V

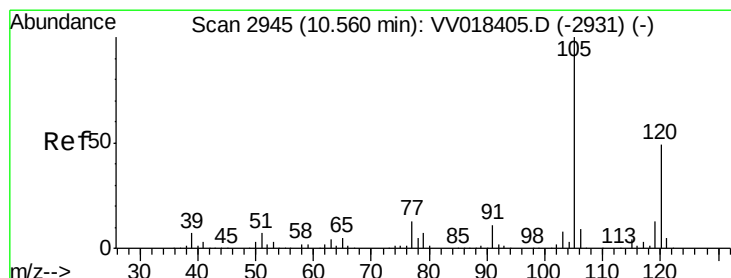
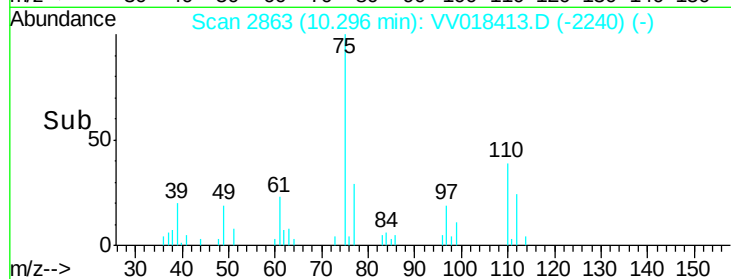
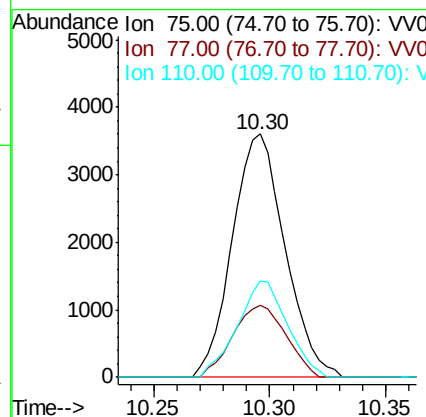
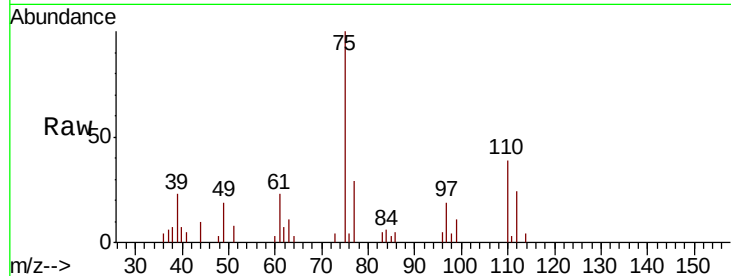




#61
 1,2,3-Trichloropropane
 Concen: 2.235 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

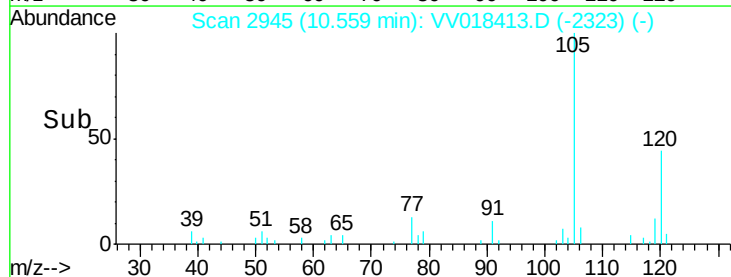
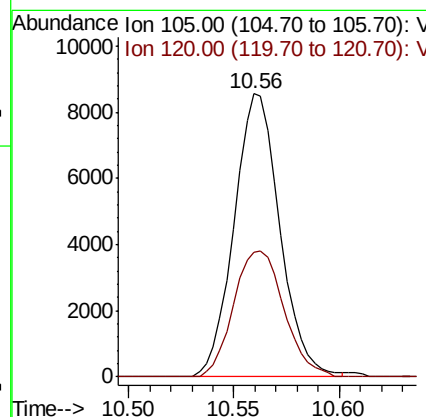
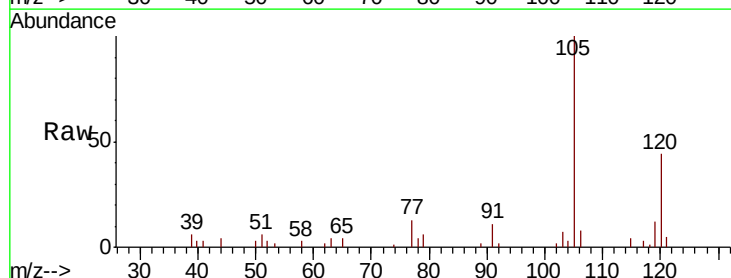
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

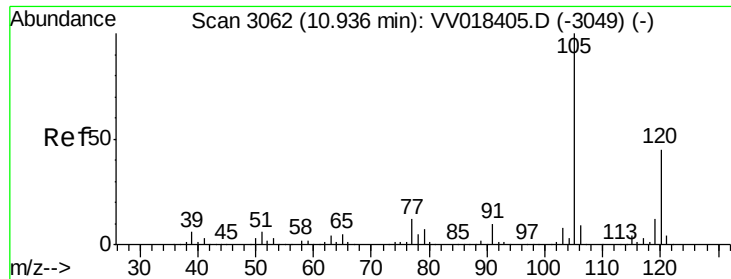
Tot Ion: 75 Resp: 5700
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8
 110 37.6 31.5 47.3



#62
 1,3,5-Trimethylbenzene
 Concen: 1.759 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion: 105 Resp: 12895
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.1 58.7

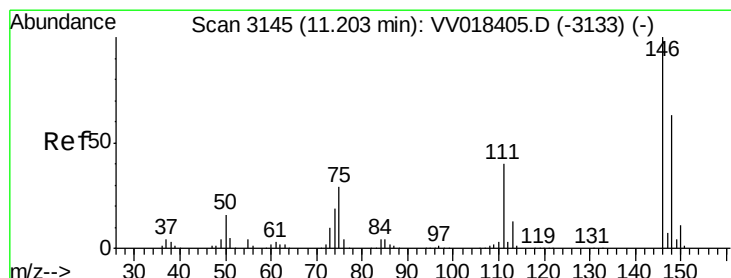
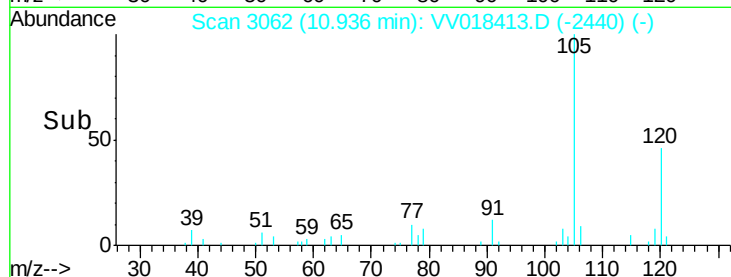
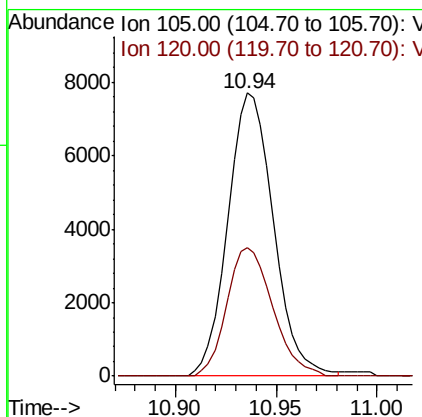
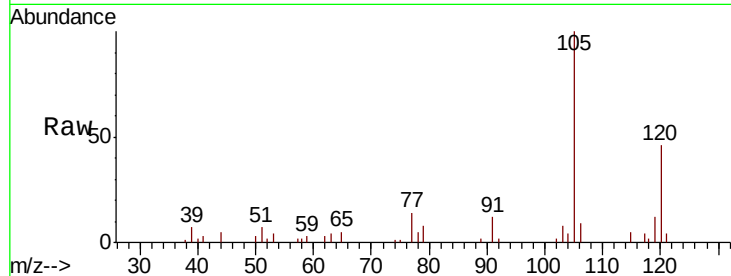




#63
 1,2,4-Trimethylbenzene
 Concen: 1.623 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

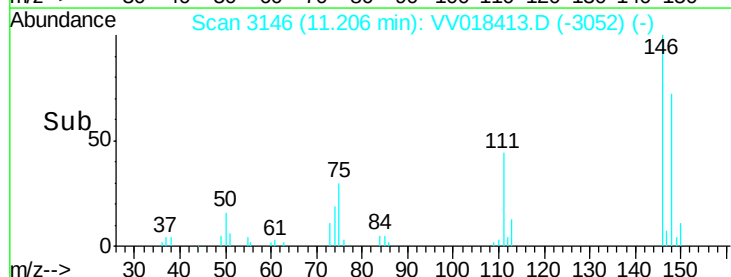
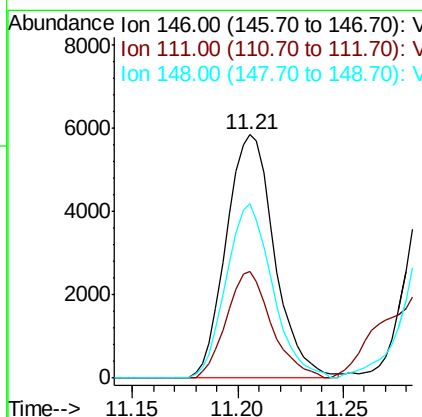
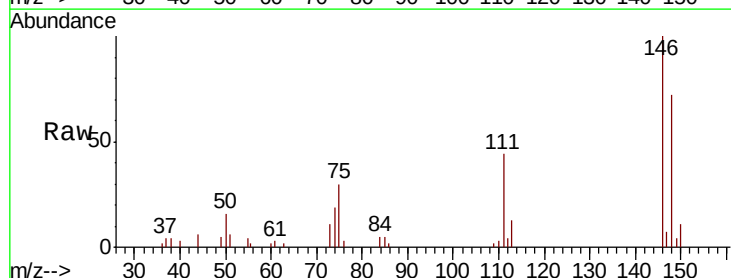
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

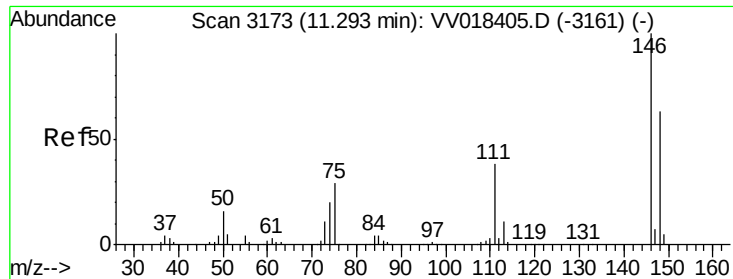
Tot Ion:105 Resp: 12221
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.2



#64
 1,3-Dichlorobenzene
 Concen: 2.017 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion:146 Resp: 9287
 Ion Ratio Lower Upper
 146 100
 111 44.0 27.6 51.4
 148 71.6 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.235 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

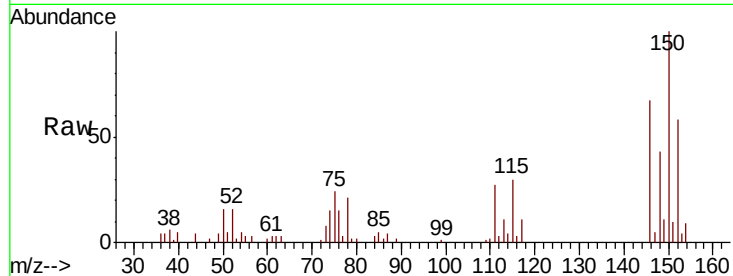
Tot Ion:146 Resp: 10783

Ion Ratio Lower Upper

146 100

111 40.4 26.6 49.4

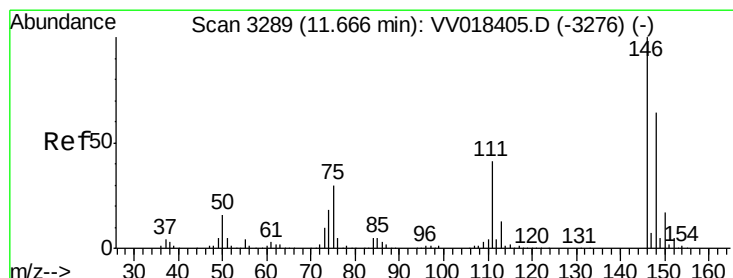
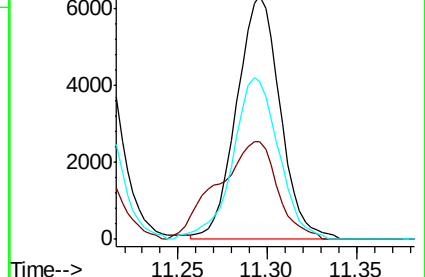
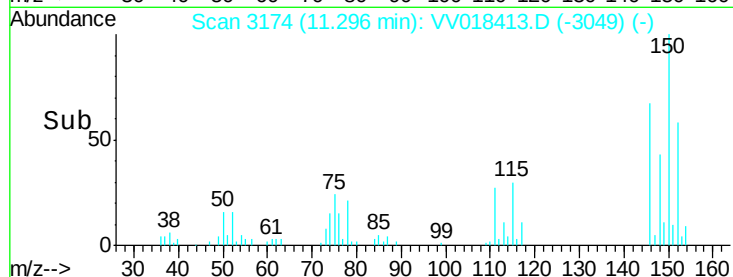
148 64.6 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 2.184 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

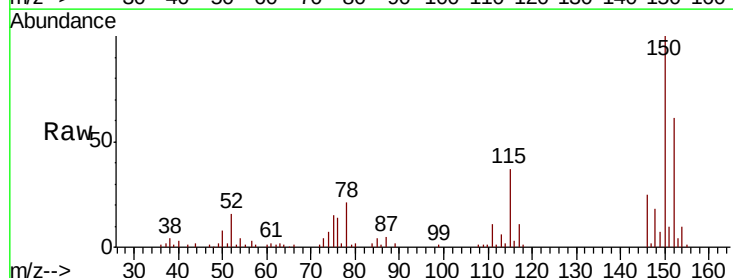
Tgt Ion:146 Resp: 10110

Ion Ratio Lower Upper

146 100

111 43.9 32.6 49.0

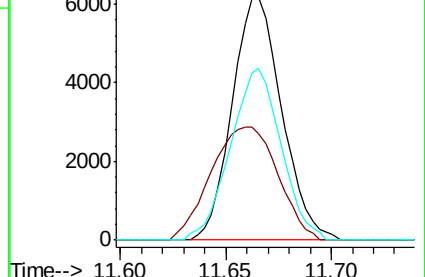
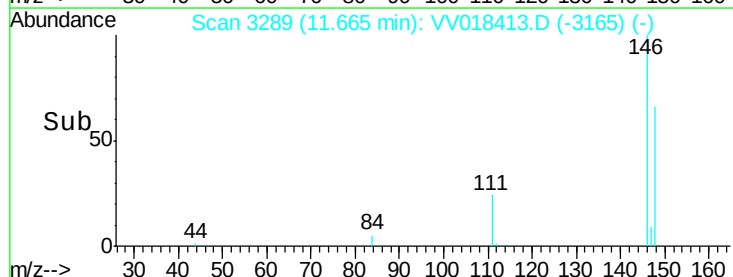
148 70.4 51.0 76.6

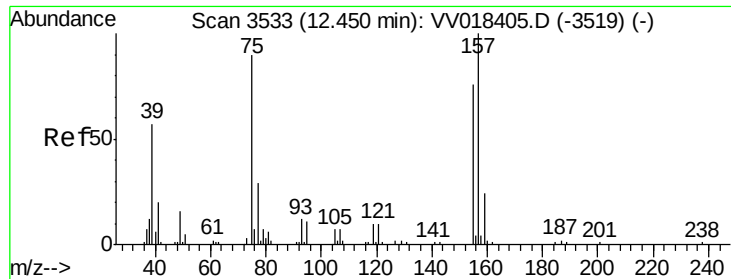


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 1.721 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.01 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

MDL02

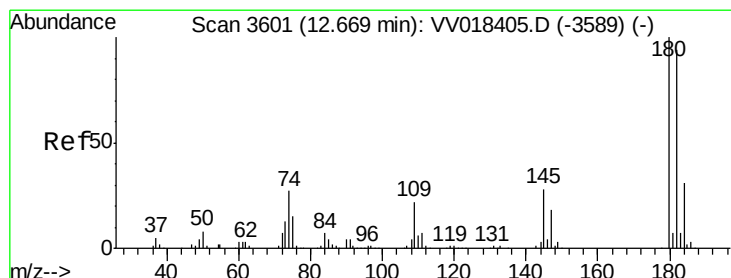
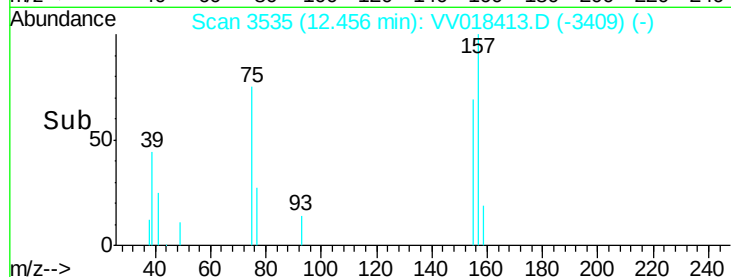
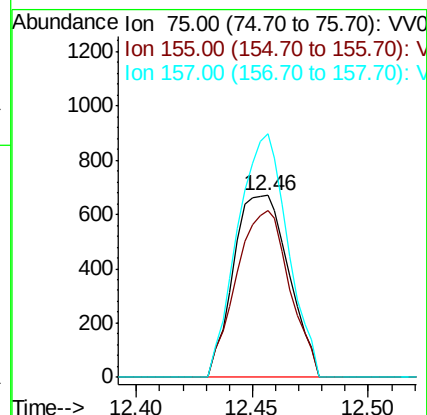
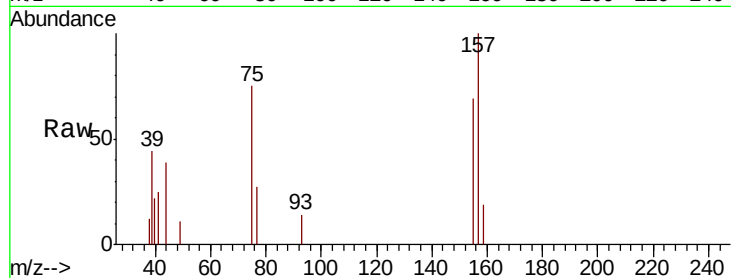
Tot Ion: 75 Resp: 1109

Ion Ratio Lower Upper

75 100

155 92.1 67.6 101.4

157 133.9 88.7 133.1#



#69

1,3,5-Trichlorobenzene

Concen: 2.133 ug/L

RT: 12.67 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VV018413.D

Acq: 23 Sep 2020 15:17

Tgt Ion: 180 Resp: 7657

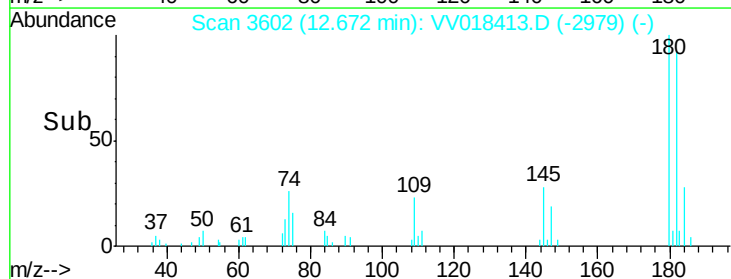
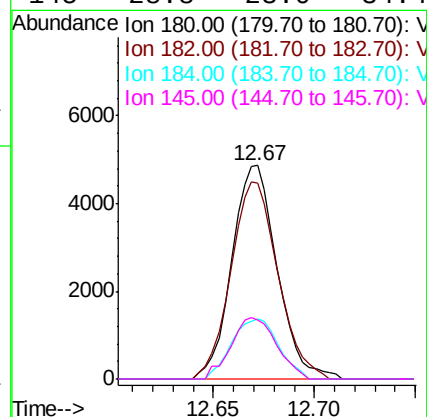
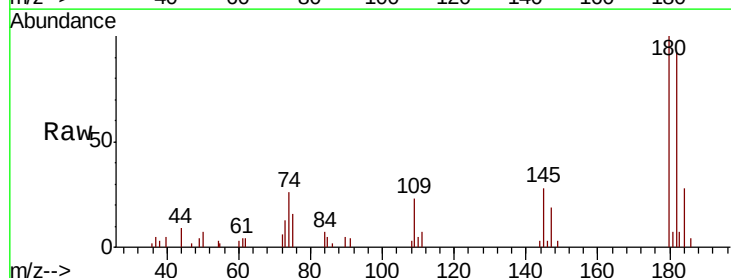
Ion Ratio Lower Upper

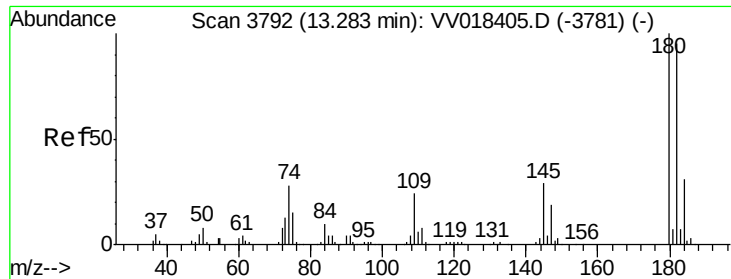
180 100

182 95.6 76.6 115.0

184 29.0 24.8 37.2

145 28.8 23.0 34.4

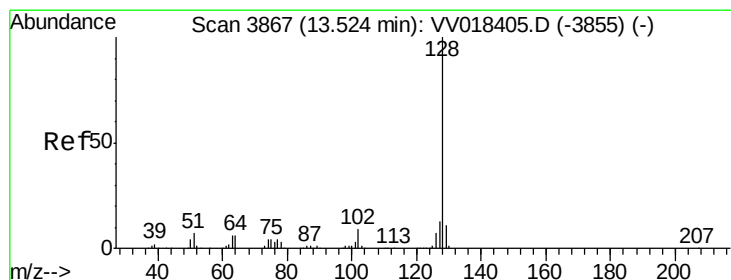
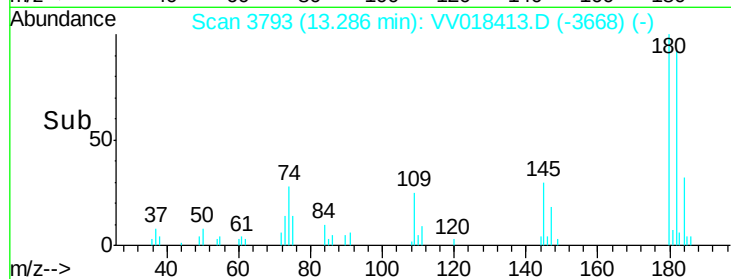
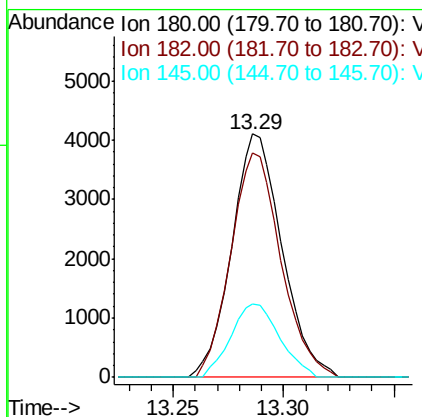
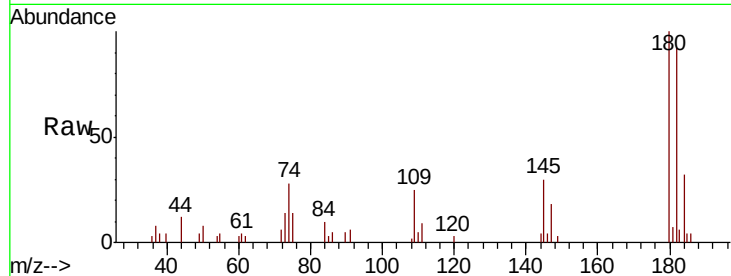




#70
 1,2,4-trichlorobenzene
 Concen: 2.016 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

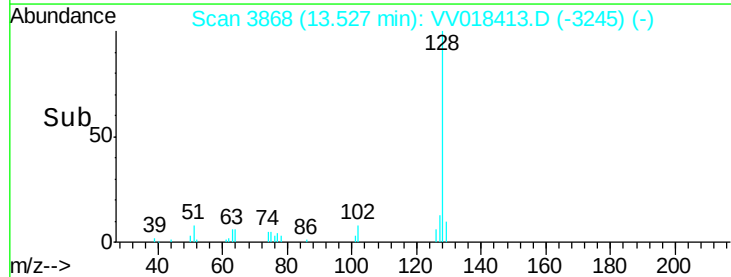
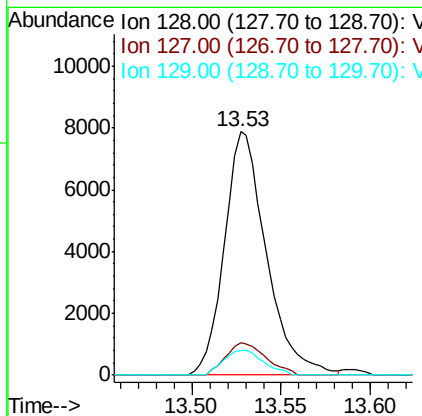
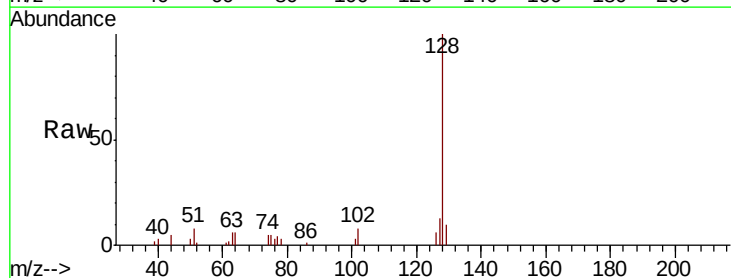
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

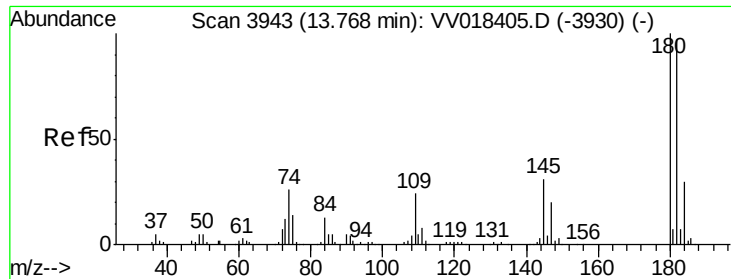
Tot Ion:180 Resp: 6486
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.8 113.6
 145 29.2 23.0 34.4



#71
 Naphthalene
 Concen: 1.544 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Tgt Ion:128 Resp: 12886
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.4 15.6
 129 9.5 8.7 13.1

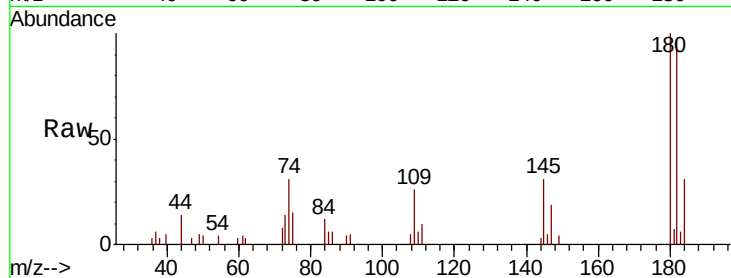




#72
 1,2,3-Trichlorobenzene
 Concen: 1.909 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV018413.D
 Acq: 23 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion:180 Resp: 6172
 Ion Ratio Lower Upper
 180 100
 182 97.9 77.1 115.7
 145 30.8 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

