

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080719\
 Data File : VV012126.D
 Acq On : 07 Aug 2019 14:33
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00µ/5.0mL/100µL/5mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Aug 08 01:16:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	251528	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226764	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	108552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57998	42.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.36%
7) Chloroethane-d5	1.58	69	40213	41.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	78420	32.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.80%
21) 2-Butanone-d5	3.92	46	105441	105.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.25%
24) Chloroform-d	4.40	84	169663	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	5.08	65	115541	52.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.28%
32) Benzene-d6	5.10	84	330684	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.34%
36) 1,2-Dichloropropane-d6	6.12	67	97967	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.36	98	317287	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%
43) trans-1,3-Dichloropropene-	7.66	79	54760	50.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.90%
47) 2-Hexanone-d5	8.13	63	87597	111.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.58%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	142404	53.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.90%
66) 1,2-Dichlorobenzene-d4	11.67	152	133137	52.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4886	2.750 ug/L	97
3) Chloromethane	1.25	50	3841	3.045 ug/L	100
5) Vinyl chloride	1.33	62	3221	2.645 ug/L #	61
6) Bromomethane	1.53	94	1912	2.705 ug/L	91
8) Chloroethane	1.60	64	1726	2.707 ug/L	92
9) Trichlorofluoromethane	1.77	101	5118	2.585 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3106	3.200 ug/L #	78
12) 1,1-Dichloroethene	2.14	96	3000	3.283 ug/L #	1
13) Acetone	2.19	43	2730	3.997 ug/L	95
14) Carbon disulfide	2.32	76	7473	2.420 ug/L	98
15) Methyl Acetate	2.46	43	3394	2.840 ug/L	91
16) Methylene chloride	2.54	84	3728	2.689 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	3484	2.700 ug/L	88
18) Methyl tert-butyl Ether	2.80	73	11830	2.668 ug/L	97
19) 1,1-Dichloroethane	3.23	63	5805	2.467 ug/L	91
20) cis-1,2-Dichloroethene	3.96	96	4050	2.665 ug/L	95
22) 2-Butanone	4.02	43	4406	5.005 ug/L #	68

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 ALS Vial : 9 Sample Multiplier: 1

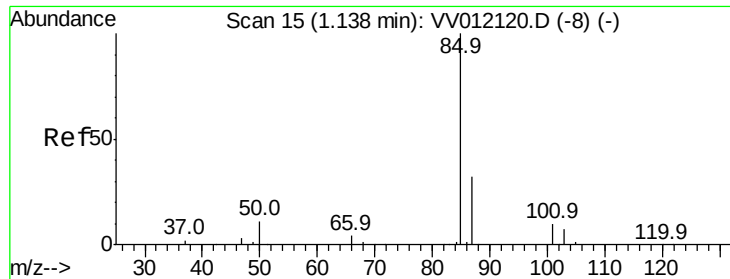
Instrument :
 MSVOA_V
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Quant Time: Aug 08 01:16:05 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	2222	2.659	µg/L	83
25) Chloroform	4.43	83	11998	4.498	µg/L	96
27) 1,2-Dichloroethane	5.18	62	6176	2.979	µg/L	95
29) Cyclohexane	4.73	56	5159	2.721	µg/L #	90
30) 1,1,1-Trichloroethane	4.66	97	6369	2.644	µg/L	94
31) Carbon tetrachloride	4.88	117	6409	2.868	µg/L	94
33) Benzene	5.15	78	15999	3.065	µg/L	100
34) Trichloroethene	5.96	95	3914	2.698	µg/L	87
35) Methylcyclohexane	6.17	83	5800	2.686	µg/L	95
37) 1,2-Dichloropropane	6.22	63	3712	2.915	µg/L #	84
38) Bromodichloromethane	6.55	83	5639	2.815	µg/L	92
39) cis-1,3-Dichloropropene	7.07	75	6259	2.788	µg/L	91
40) 4-Methyl-2-pentanone	7.27	43	9539	5.821	µg/L	98
42) Toluene	7.43	91	16895	2.913	µg/L	97
44) trans-1,3-Dichloropropene	7.69	75	6227	2.939	µg/L	88
45) 1,1,2-Trichloroethane	7.88	97	4095	2.984	µg/L	87
46) Tetrachloroethene	8.02	164	3703	2.739	µg/L	96
48) 2-Hexanone	8.18	43	8017	6.489	µg/L	98
49) Dibromochloromethane	8.29	129	5003	2.809	µg/L	99
50) 1,2-Dibromoethane	8.40	107	4260	2.807	µg/L	94
51) Chlorobenzene	8.93	112	11002	2.813	µg/L	99
52) Ethylbenzene	9.05	91	17662	2.714	µg/L	100
53) m,p-Xylene	9.18	106	6220	2.477	µg/L	88
54) o-Xylene	9.59	106	6969	2.797	µg/L	96
55) Styrene	9.60	104	10736	2.558	µg/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	6262	2.967	µg/L #	95
59) Bromoform	9.77	173	3807	2.990	µg/L #	97
60) Isopropylbenzene	9.97	105	17106	2.879	µg/L	98
61) 1,2,3-Trichloropropane	10.32	75	4851	3.291	µg/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	14782	2.877	µg/L	99
63) 1,2,4-Trimethylbenzene	10.96	105	13721	2.706	µg/L	99
64) 1,3-Dichlorobenzene	11.23	146	8422	2.809	µg/L	94
65) 1,4-Dichlorobenzene	11.32	146	8644	2.852	µg/L	98
67) 1,2-Dichlorobenzene	11.69	146	9363	3.061	µg/L	97
68) 1,2-Dibromo-3-chloropropan	12.48	75	1454	2.993	µg/L	99
69) 1,3,5-Trichlorobenzene	12.69	180	5991	2.465	µg/L	95
70) 1,2,4-trichlorobenzene	13.32	180	4520	2.145	µg/L	88
71) Naphthalene	13.55	128	8587	1.608	µg/L #	91
72) 1,2,3-Trichlorobenzene	13.79	180	4224	1.992	µg/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.750 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

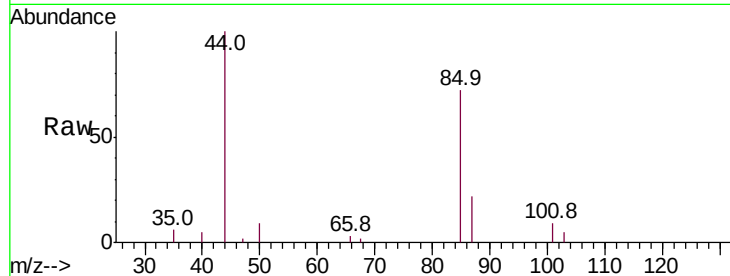
MDL03

Tot Ion: 85 Resp: 4886

Ion Ratio Lower Upper

85 100

87 29.8 25.3 37.9

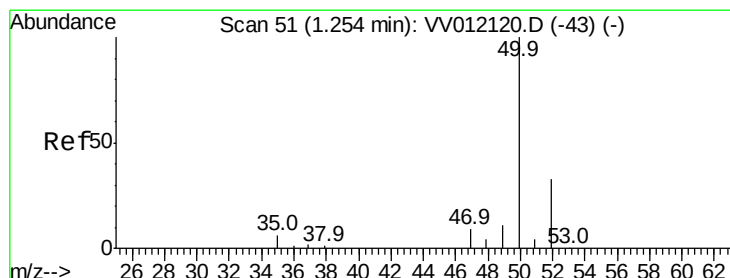
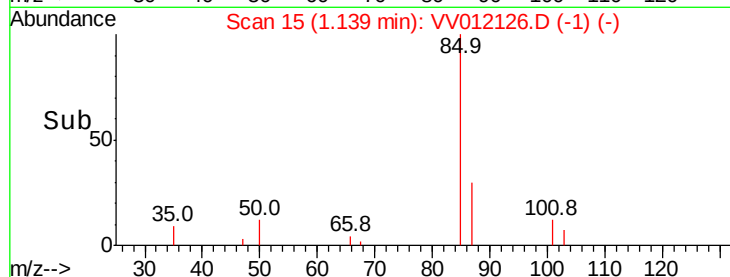


Abundance Ion 85.00 (84.70 to 85.70): VV012126.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV012126.D (-1) (-)

1.14

Time-->



#3

Chloromethane

Concen: 3.045 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012126.D

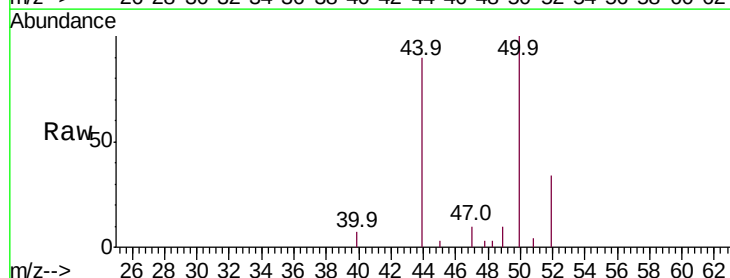
Acq: 07 Aug 2019 14:33

Tgt Ion: 50 Resp: 3841

Ion Ratio Lower Upper

50 100

52 34.3 23.9 44.3

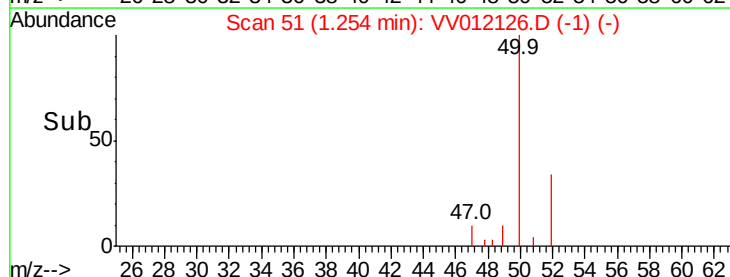


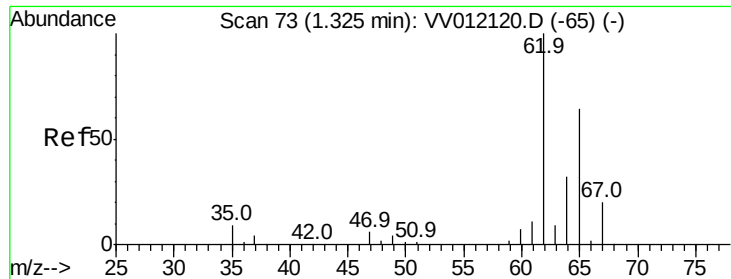
Abundance Ion 50.00 (49.70 to 50.70): VV012126.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV012126.D (-1) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 2.645 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampled :

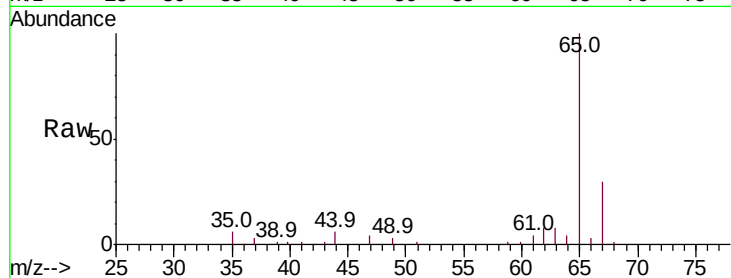
MDL03

Tot Ion: 62 Resp: 3221

Ion Ratio Lower Upper

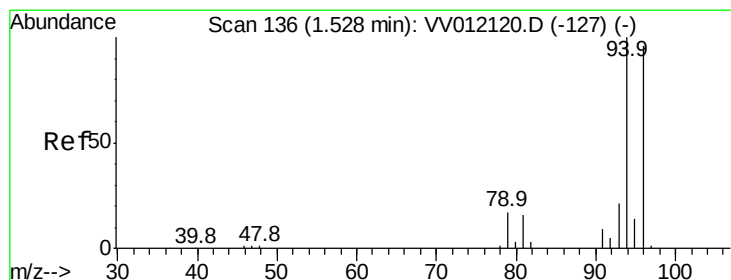
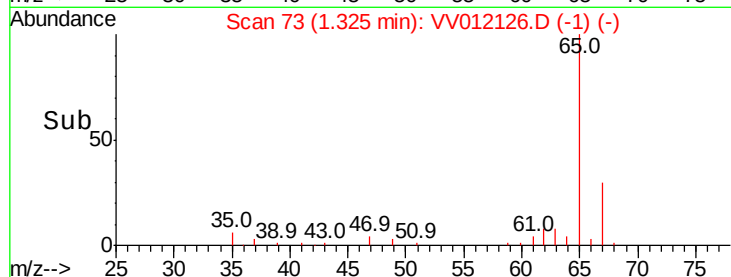
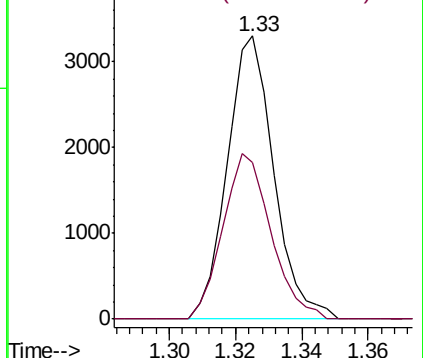
62 100

64 55.2 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.705 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV012126.D

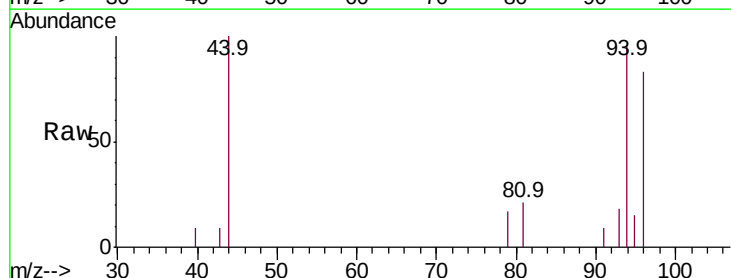
Acq: 07 Aug 2019 14:33

Tgt Ion: 94 Resp: 1912

Ion Ratio Lower Upper

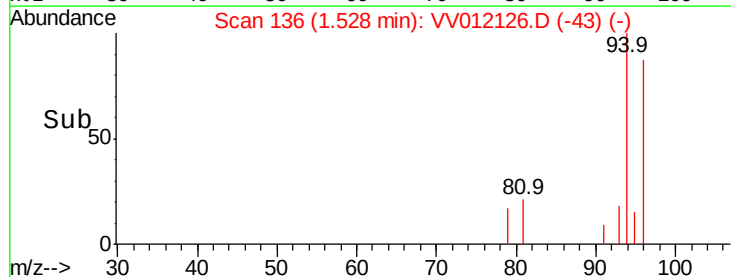
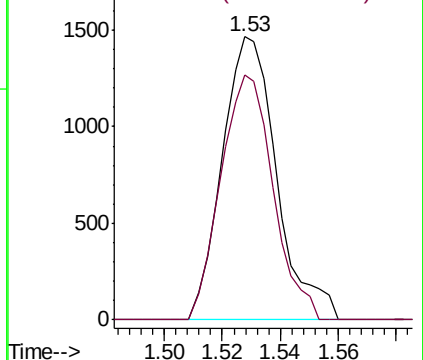
94 100

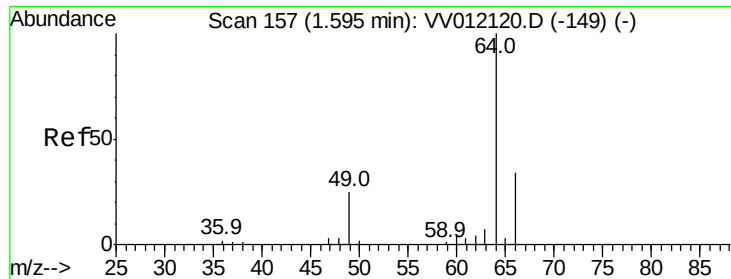
96 86.6 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.707 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

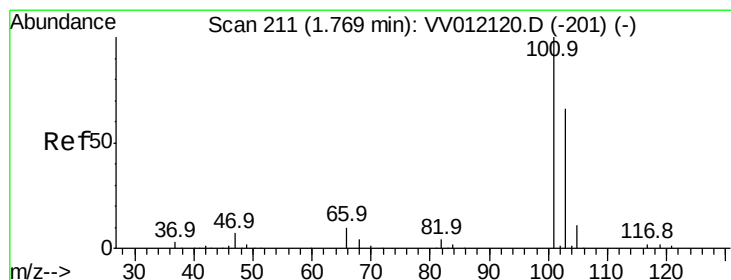
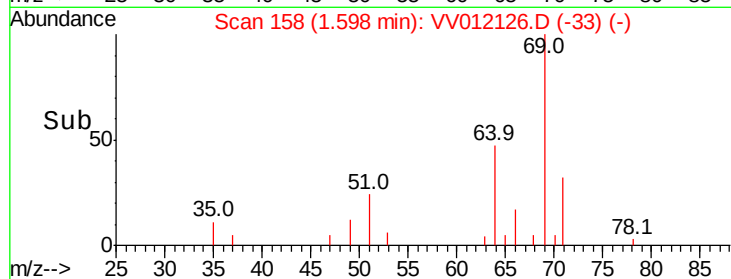
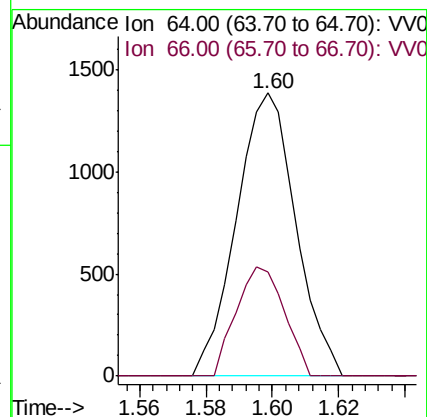
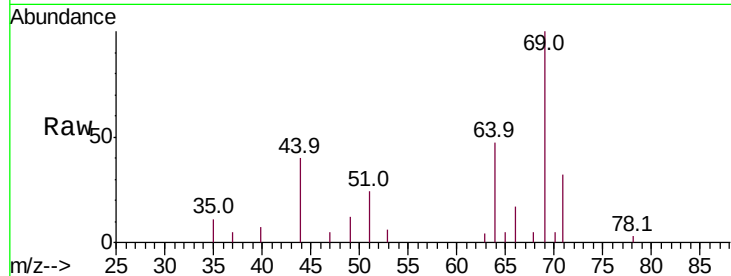
MDL03

Tot Ion: 64 Resp: 1726

Ion Ratio Lower Upper

64 100

66 36.8 22.6 42.0



#9

Trichlorofluoromethane

Concen: 2.585 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012126.D

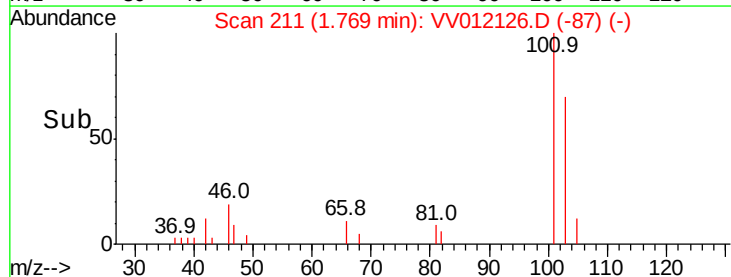
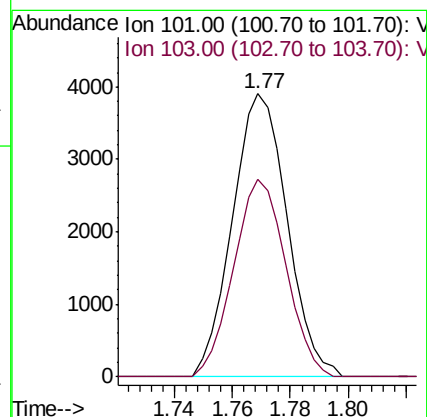
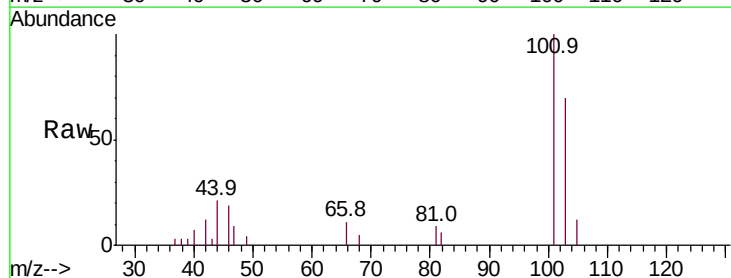
Acq: 07 Aug 2019 14:33

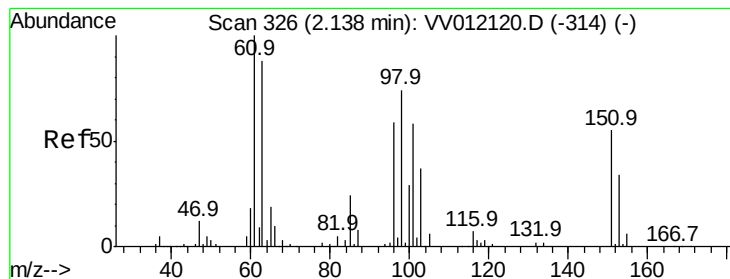
Tgt Ion: 101 Resp: 5118

Ion Ratio Lower Upper

101 100

103 66.8 52.5 78.7





#10

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

Concen: 3.200 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

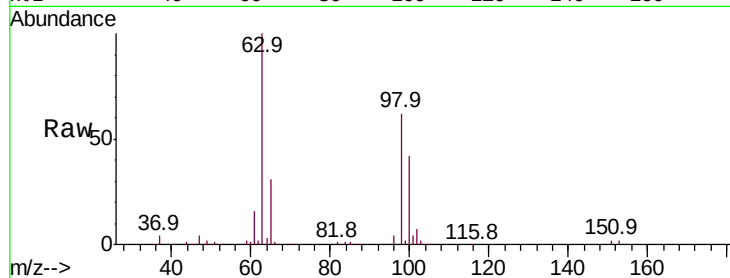
Tot Ion:101 Resp: 3106

Ion Ratio Lower Upper

101 100

85 31.6 34.4 51.6#

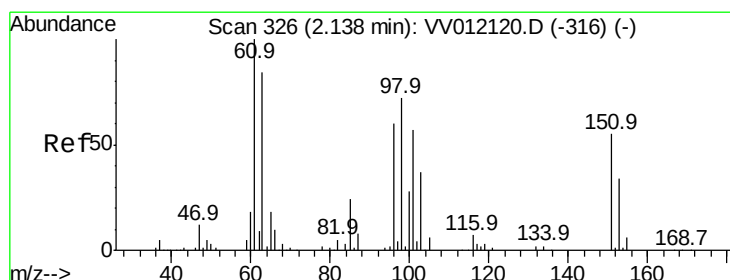
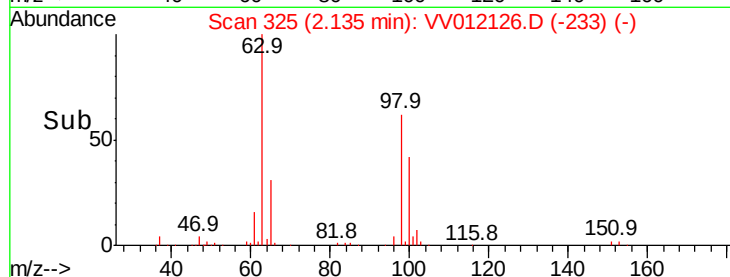
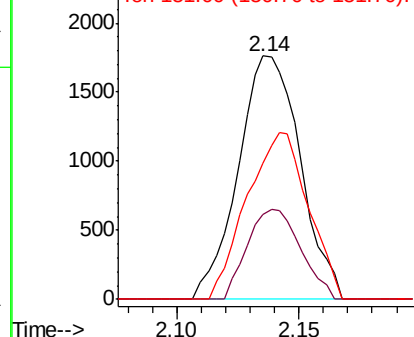
151 67.8 72.2 108.2#



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: 3.283 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

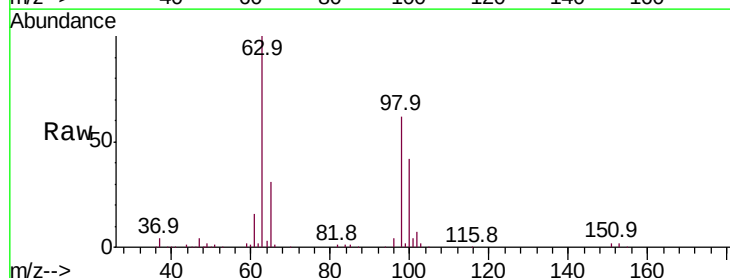
Tgt Ion: 96 Resp: 3000

Ion Ratio Lower Upper

96 100

61 369.1 120.0 223.0#

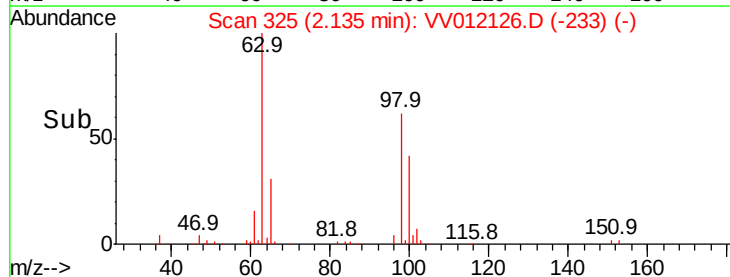
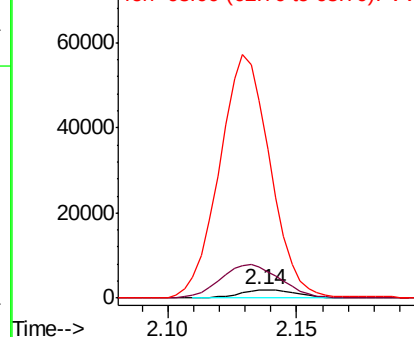
63 2342.1 98.3 182.7#

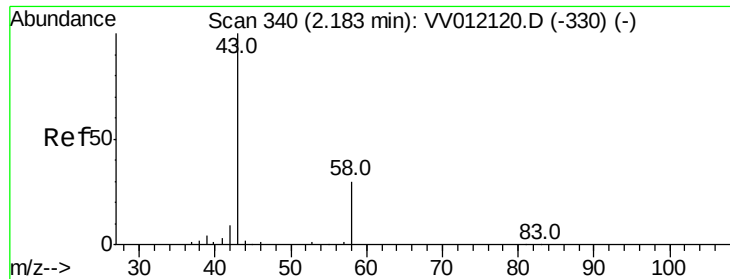


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.997 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

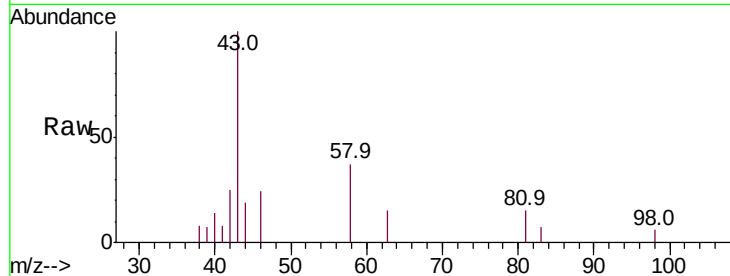
Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 2730

Ion Ratio Lower Upper

43 100

58 27.0 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV012120.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV012120.D (-330) (-)

2000

1500

1000

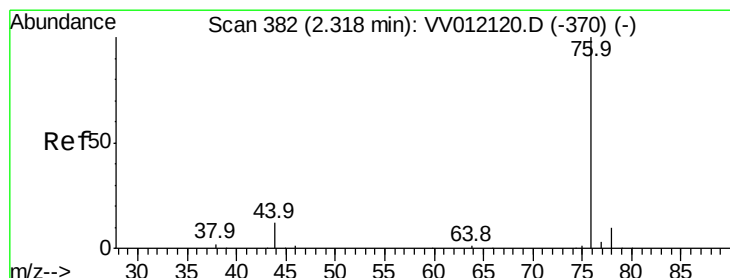
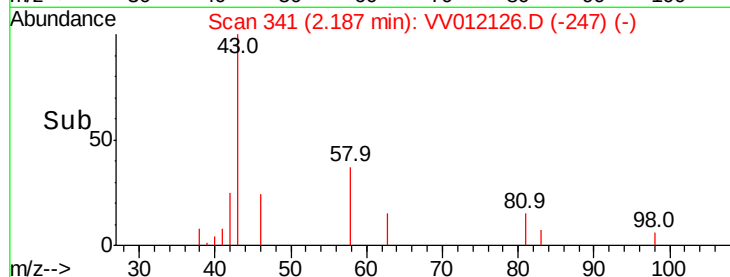
500

0

2.15

2.20

Time-->



#14

Carbon disulfide

Concen: 2.420 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012126.D

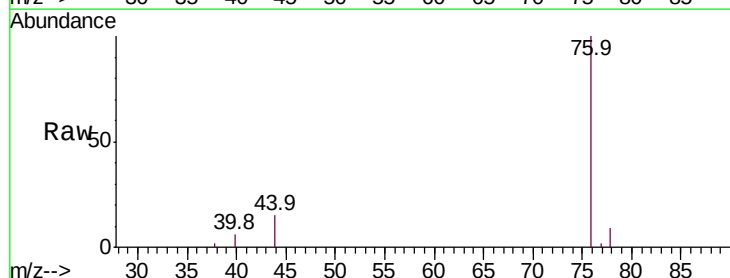
Acq: 07 Aug 2019 14:33

Tgt Ion: 76 Resp: 7473

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012120.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012120.D (-370) (-)

6000

5000

4000

3000

2000

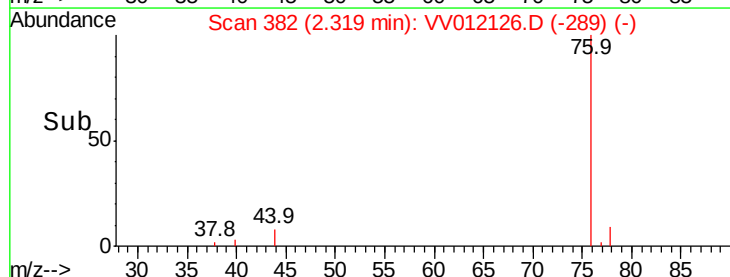
1000

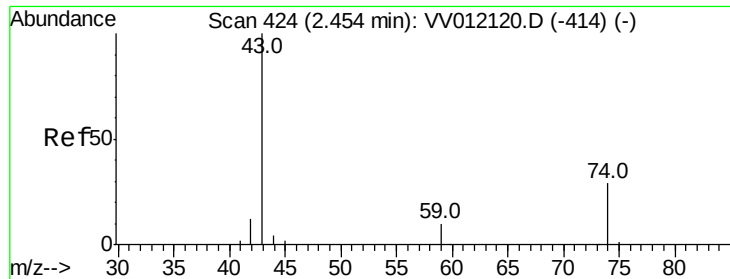
0

2.30

2.35

Time-->

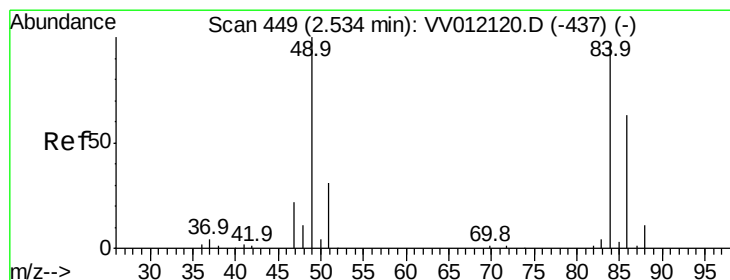
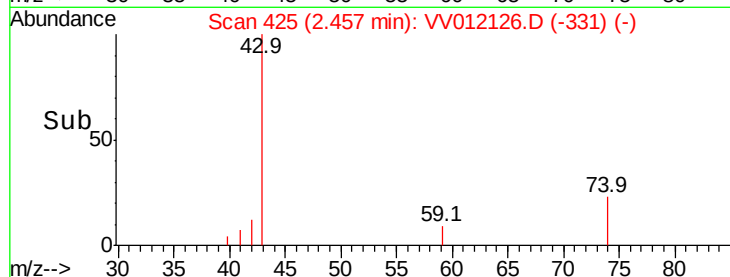
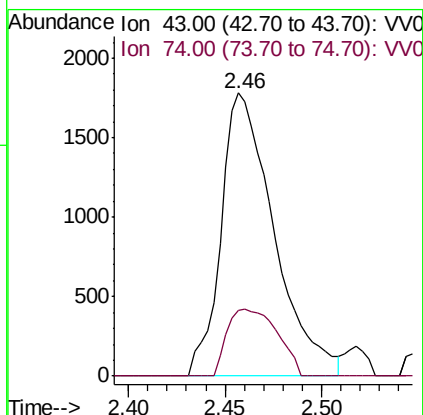
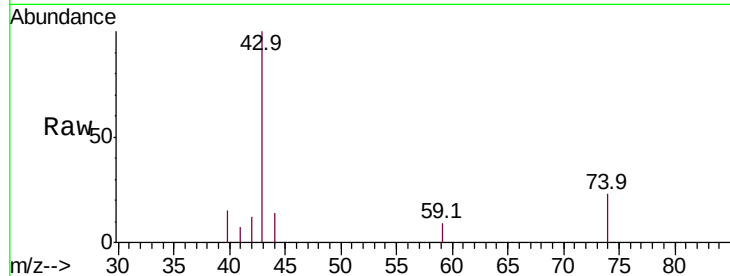




#15
Methvl Acetate
Concen: 2.840 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

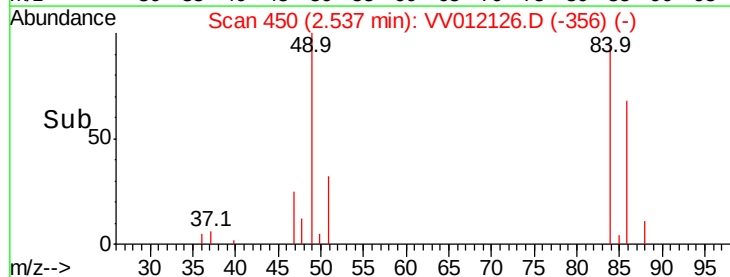
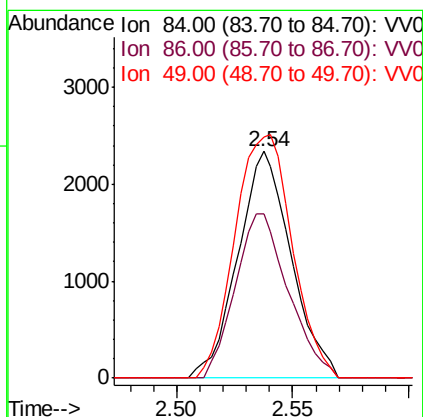
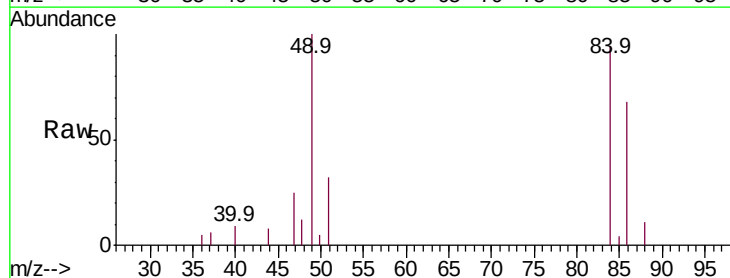
Instrument :
MSVOA_V
ClientSampleId :
MDL03

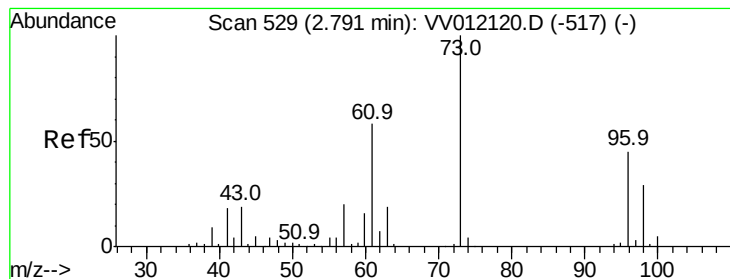
Tot Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
74 22.3 21.8 32.6



#16
Methylene chloride
Concen: 2.689 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion: 84 Resp: 3728
Ion Ratio Lower Upper
84 100
86 72.6 45.7 84.9
49 106.2 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 2.700 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampled :

MDL03

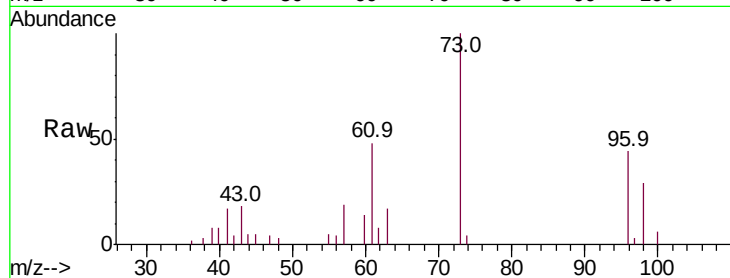
Tot Ion: 96 Resp: 3484

Ion Ratio Lower Upper

96 100

61 109.3 90.6 168.3

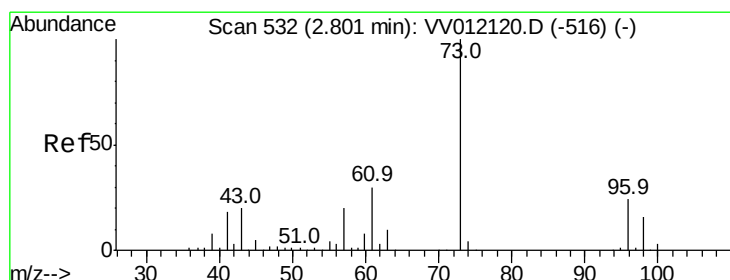
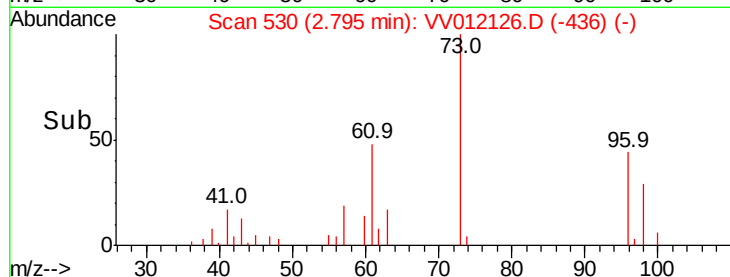
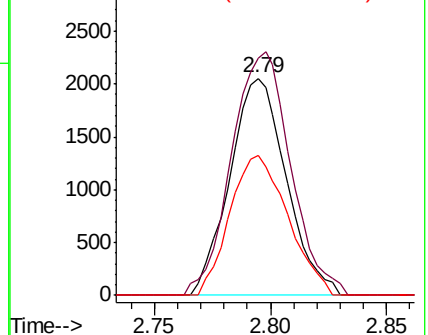
98 64.6 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.668 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

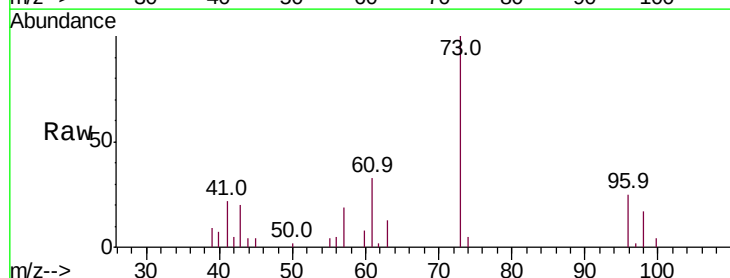
Tgt Ion: 73 Resp: 11830

Ion Ratio Lower Upper

73 100

43 20.6 15.6 23.4

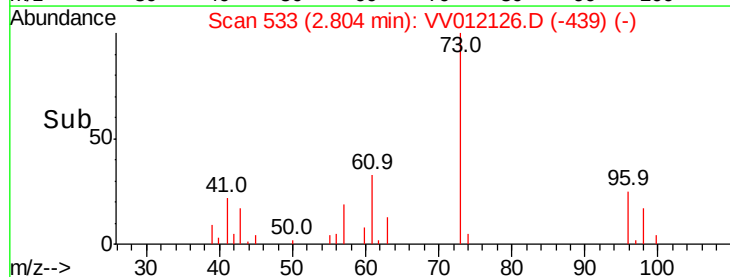
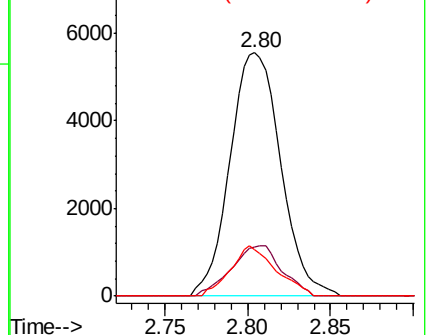
57 18.4 16.0 24.0

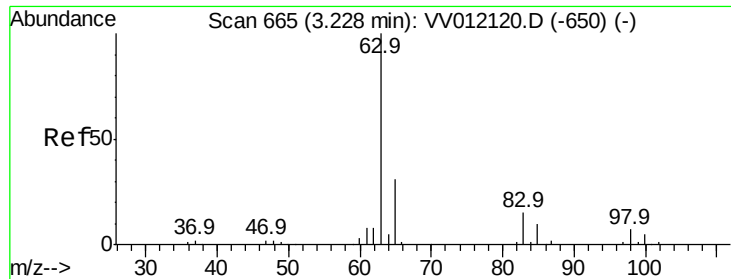


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

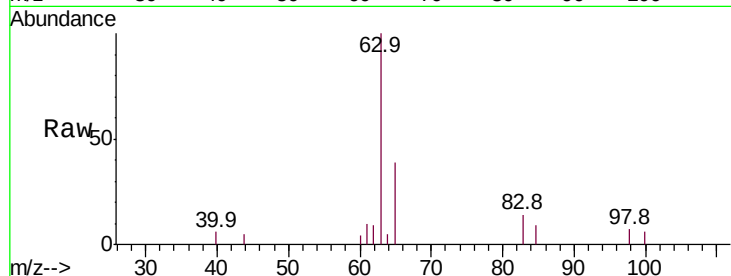




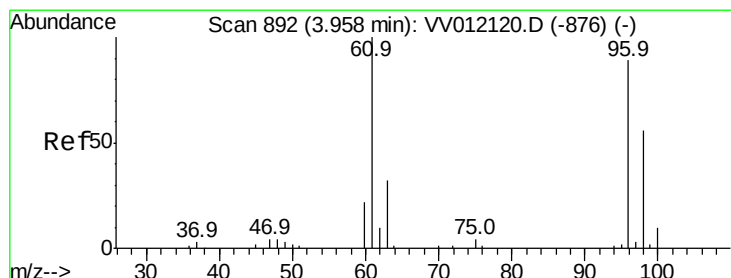
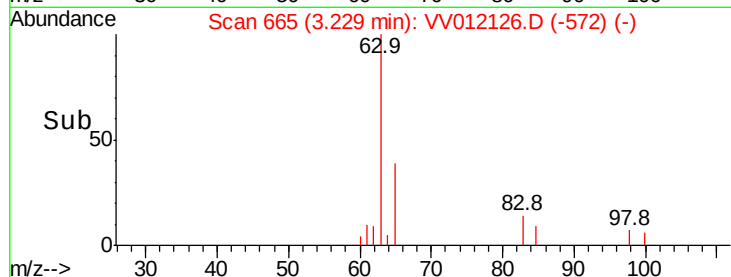
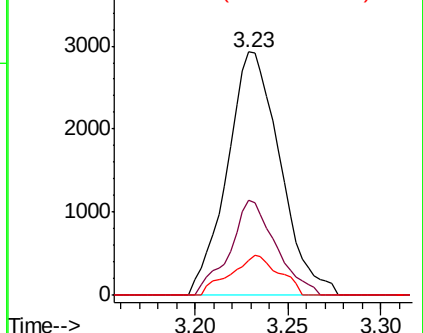
#19
 1,1-Dichloroethane
 Concen: 2.467 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 63 Resp: 5805
 Ion Ratio Lower Upper
 63 100
 65 38.8 22.3 41.3
 83 14.2 10.3 19.1

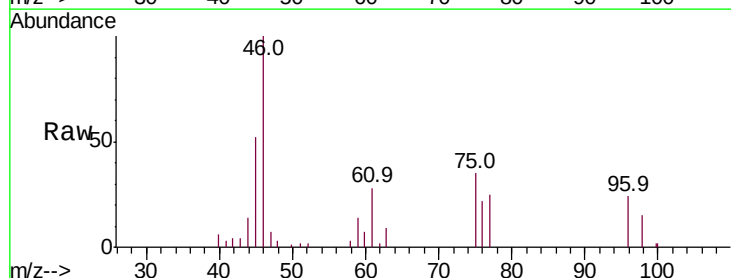


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

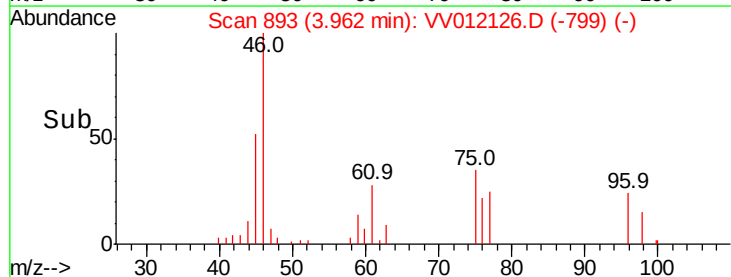
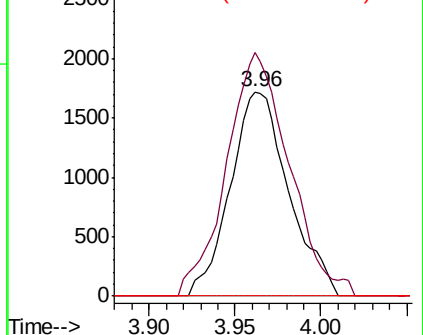


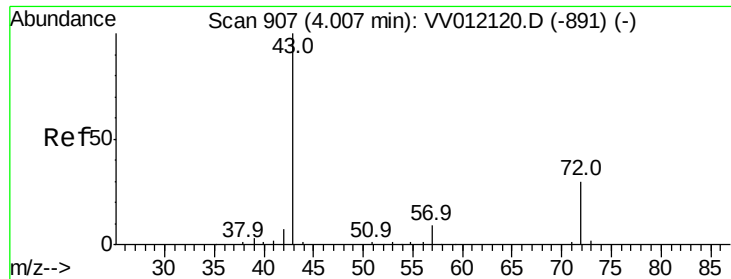
#20
 cis-1,2-Dichloroethene
 Concen: 2.665 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Tgt Ion: 96 Resp: 4050
 Ion Ratio Lower Upper
 96 100
 61 119.4 80.0 148.6
 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





#22

2-Butanone

Concen: 5.005 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

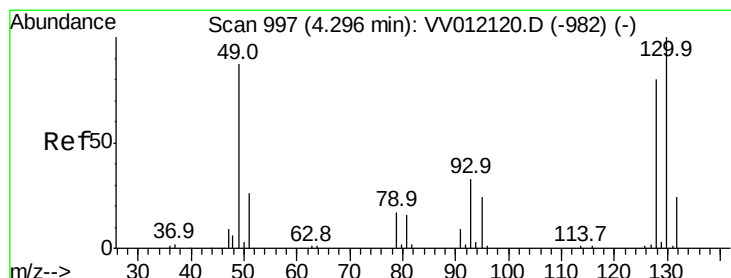
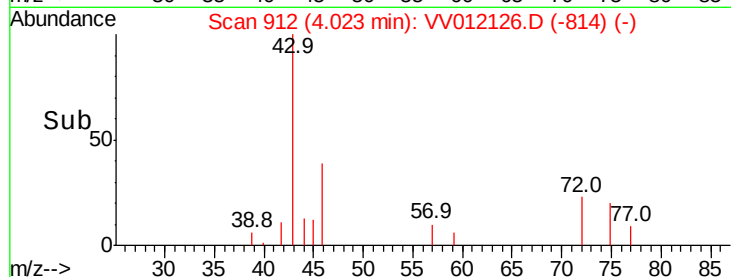
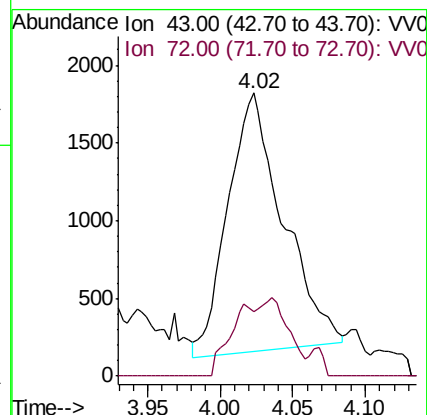
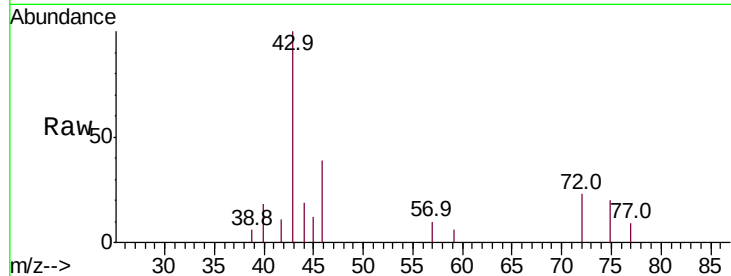
MDL03

Tot Ion: 43 Resp: 4406

Ion Ratio Lower Upper

43 100

72 12.4 15.0 45.0#



#23

Bromochloromethane

Concen: 2.659 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Tgt Ion: 128 Resp: 2222

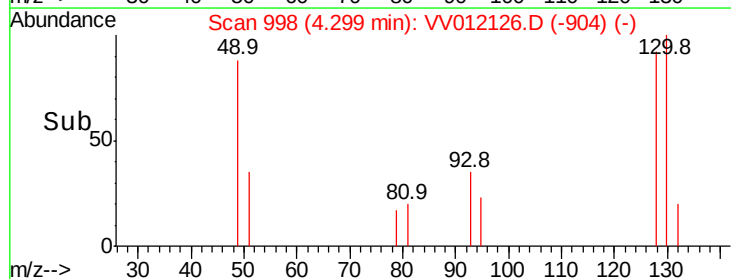
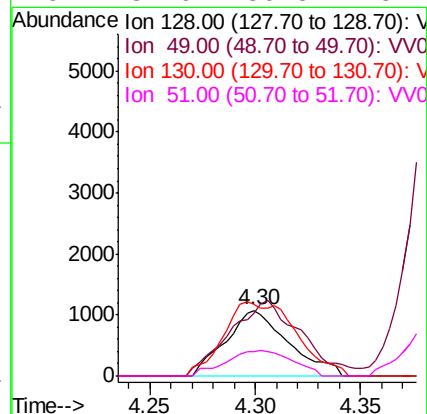
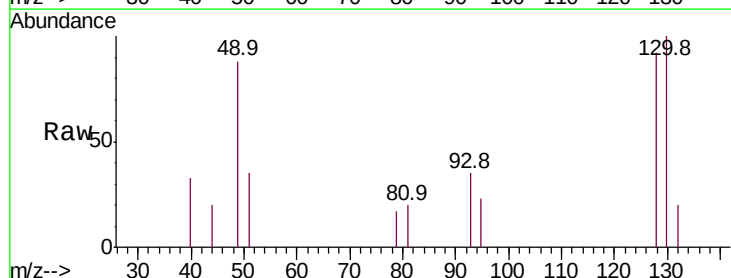
Ion Ratio Lower Upper

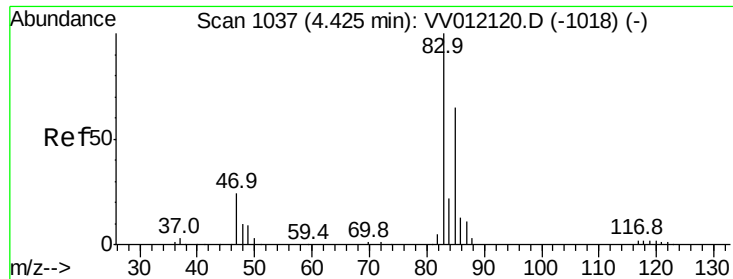
128 100

49 96.3 84.6 157.2

130 109.2 89.9 167.0

51 37.9 30.5 45.7

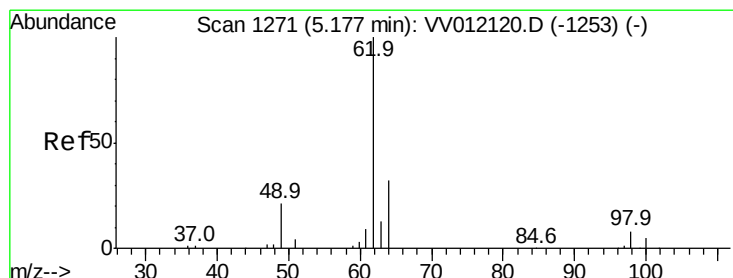
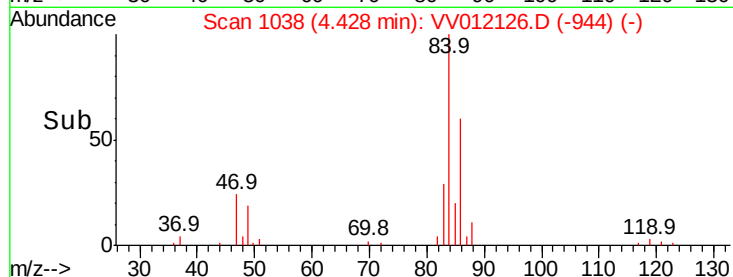
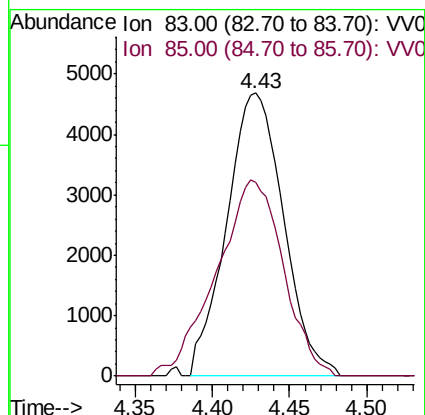
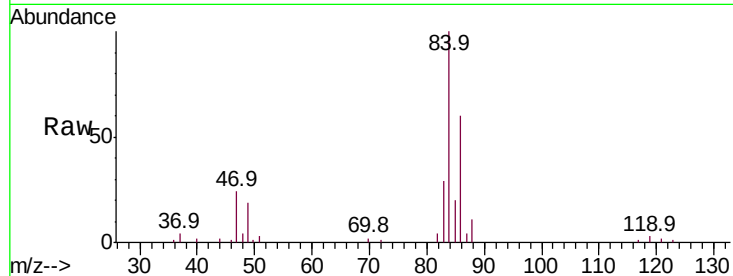




#25
Chloroform
Concen: 4.498 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

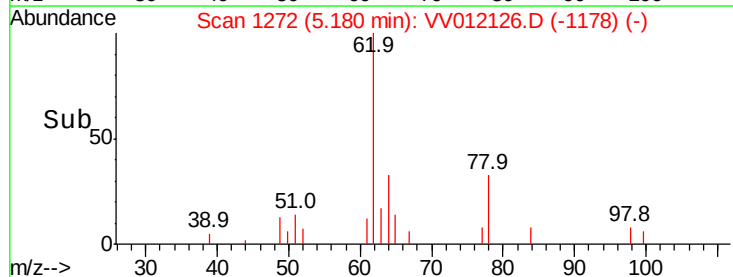
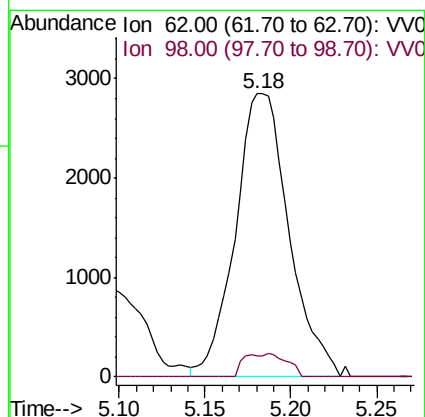
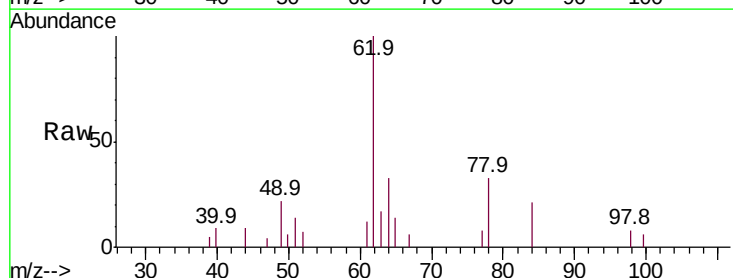
Instrument :
MSVOA_V
ClientSampled :
MDL03

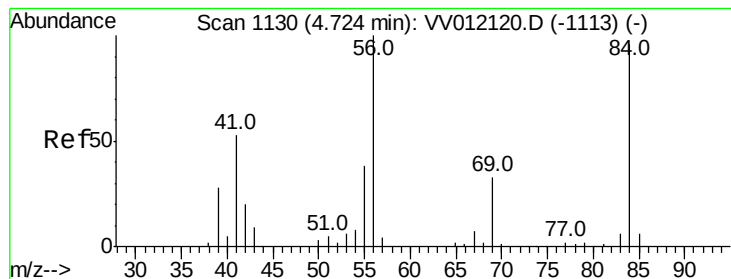
Tot Ion: 83 Resp: 11998
Ion Ratio Lower Upper
83 100
85 68.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.979 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion: 62 Resp: 6176
Ion Ratio Lower Upper
62 100
98 7.6 7.5 11.3





#29

Cyclohexane

Concen: 2.721 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL03

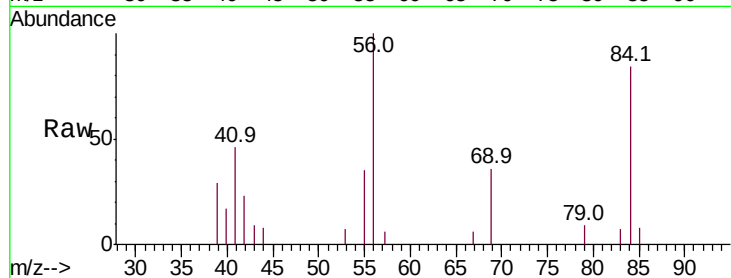
Tot Ion: 56 Resp: 5159

Ion Ratio Lower Upper

56 100

69 15.5 25.8 38.8#

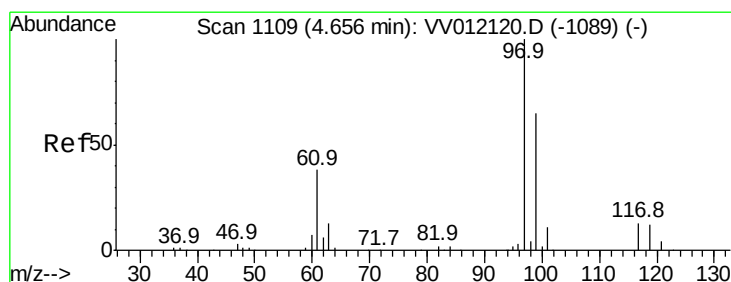
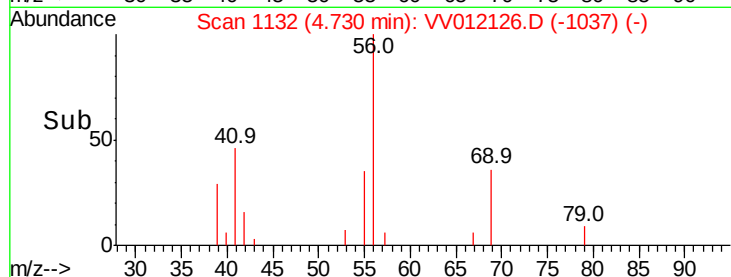
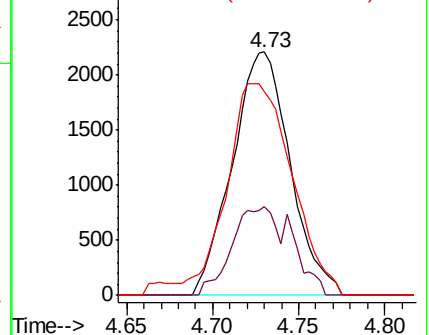
84 98.1 76.0 114.0



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



#30

1,1,1-Trichloroethane

Concen: 2.644 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

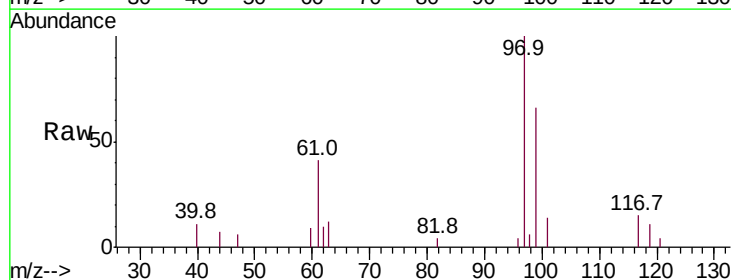
Tgt Ion: 97 Resp: 6369

Ion Ratio Lower Upper

97 100

99 70.2 51.1 76.7

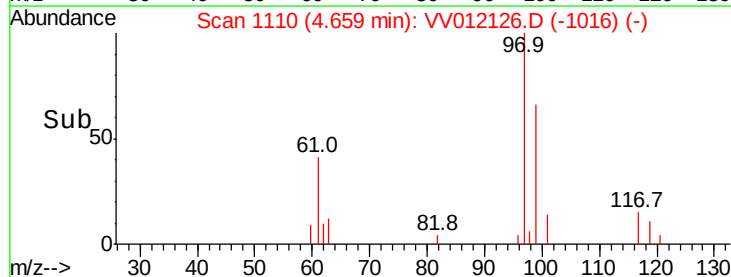
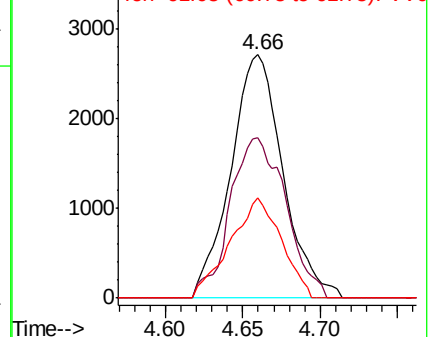
61 40.2 31.3 46.9

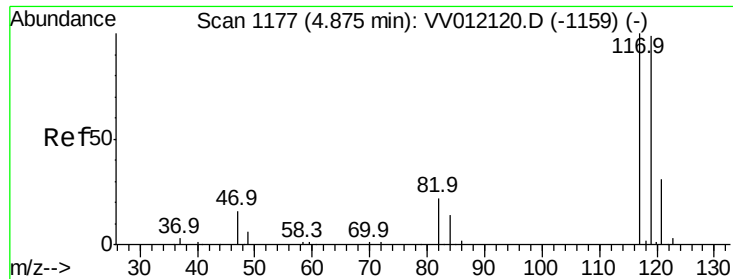


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 2.868 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampled :

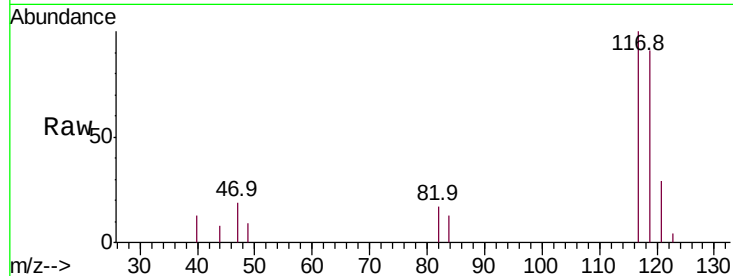
MDL03

Tot Ion:117 Resp: 6409

Ion Ratio Lower Upper

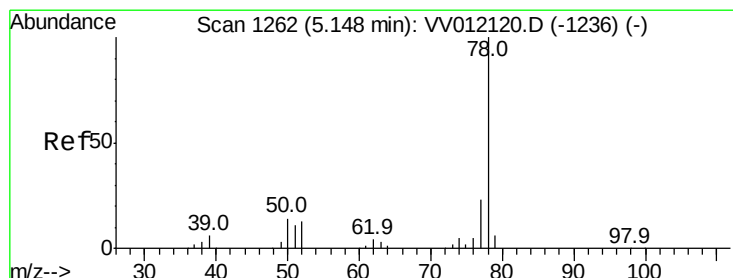
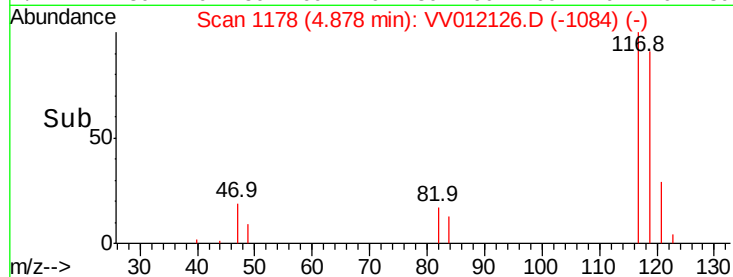
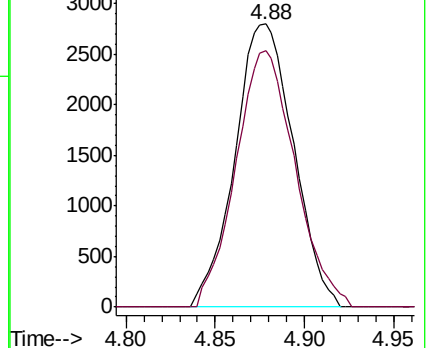
117 100

119 91.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 3.065 ug/L

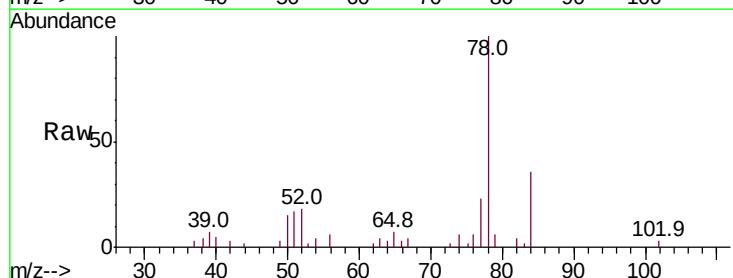
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

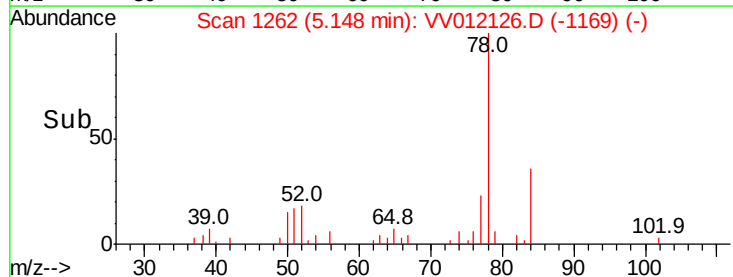
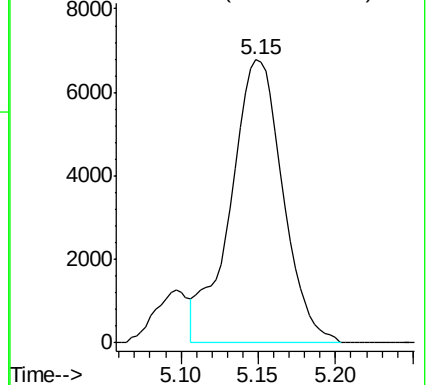
Lab File: VV012126.D

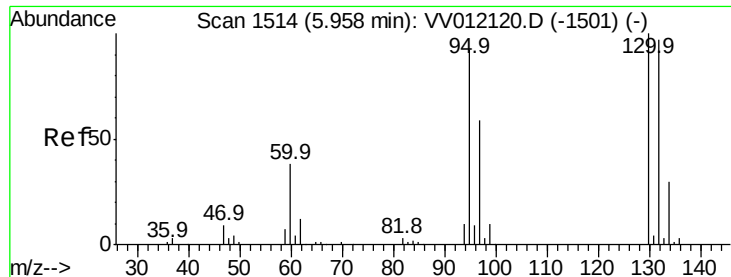
Acq: 07 Aug 2019 14:33

Tgt Ion: 78 Resp: 15999



Abundance Ion 78.00 (77.70 to 78.70): VV0

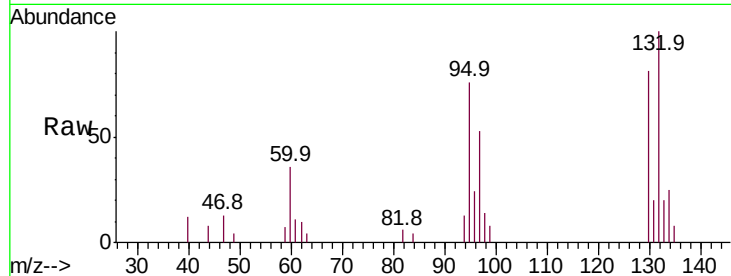




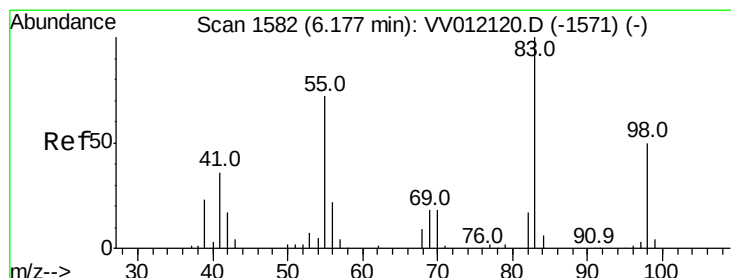
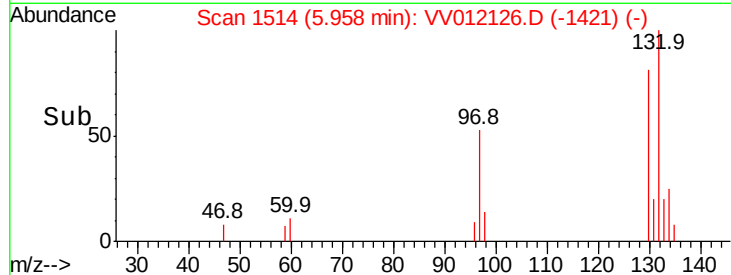
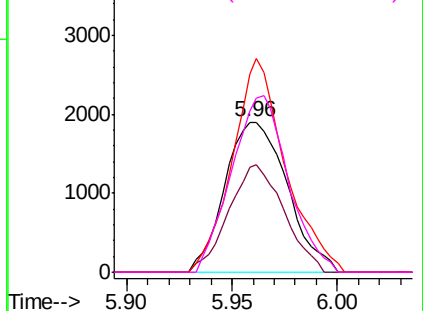
#34
 Trichloroethene
 Concen: 2.698 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 95 Resp: 3914
 Ion Ratio Lower Upper
 95 100
 97 70.0 43.4 80.6
 132 132.4 73.1 135.8
 130 107.3 75.3 139.8

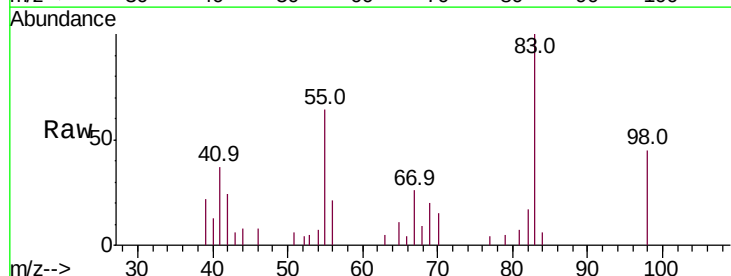


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

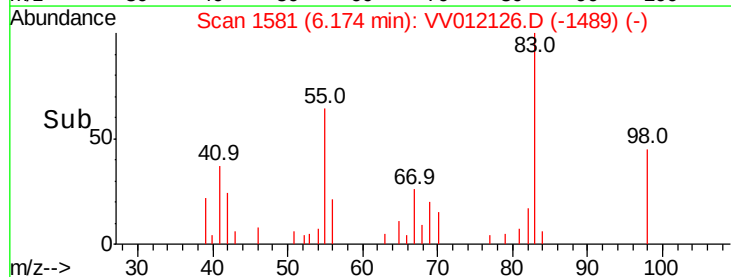
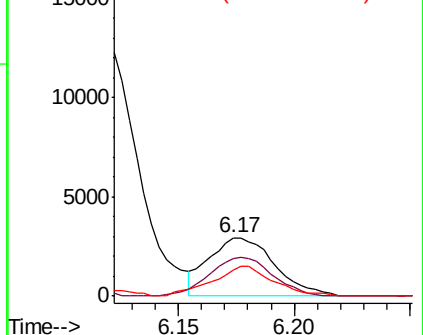


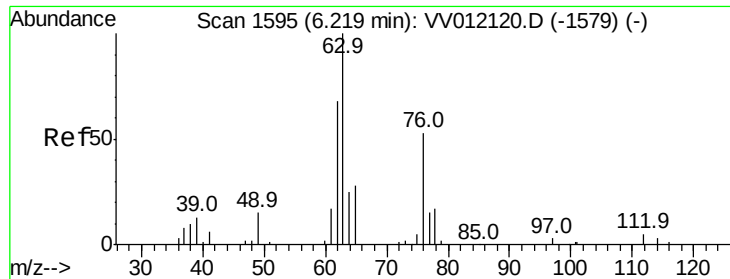
#35
 Methylcyclohexane
 Concen: 2.686 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Tgt Ion: 83 Resp: 5800
 Ion Ratio Lower Upper
 83 100
 55 63.9 55.5 83.3
 98 46.5 38.5 57.7



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: 2.915 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

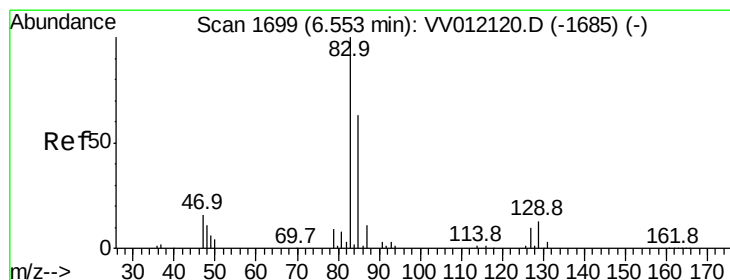
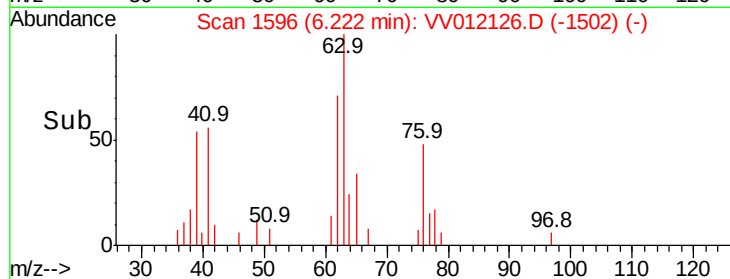
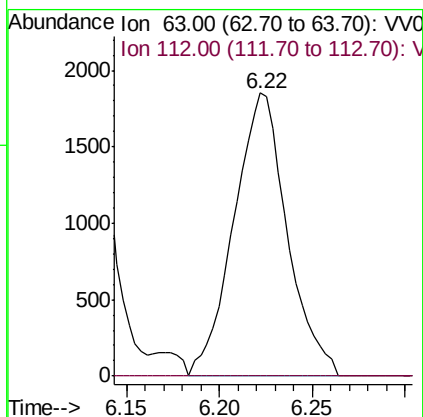
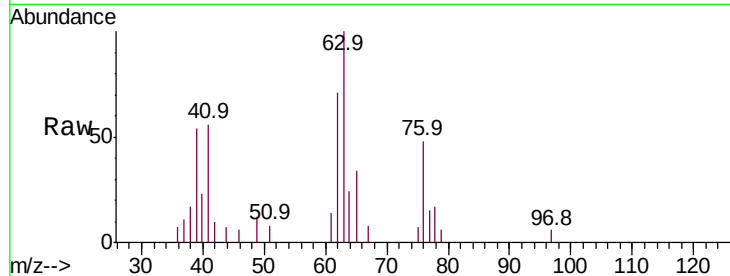
Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 63 Resp: 3712

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.2	6.2#



#38

Bromodichloromethane

Concen: 2.815 ug/L

RT: 6.55 min Scan# 1699

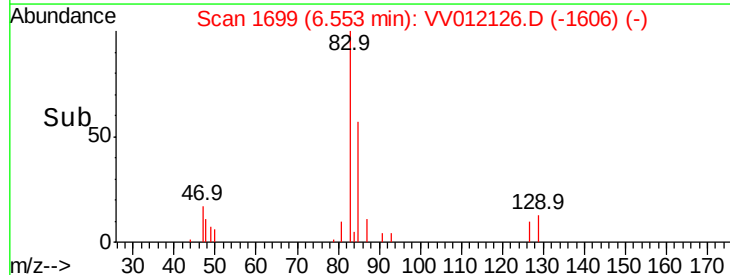
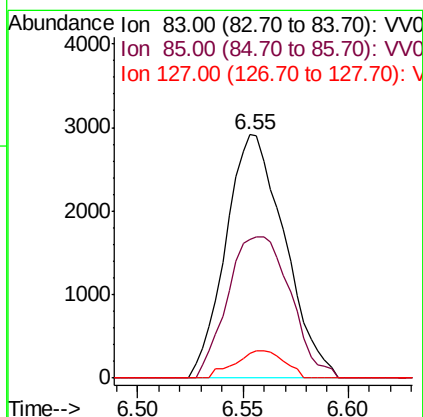
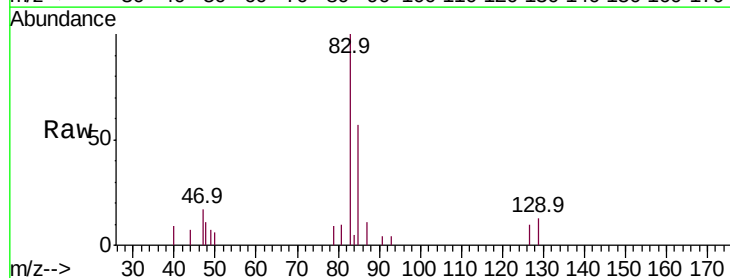
Delta R.T. 0.00 min

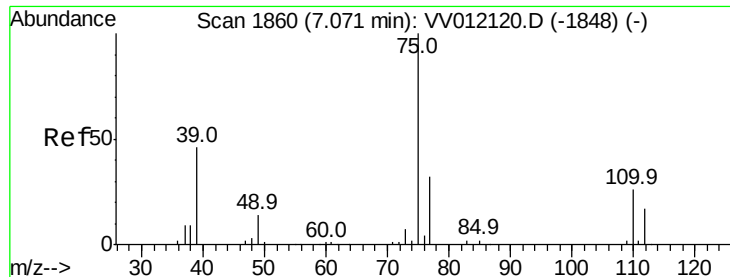
Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Tgt Ion: 83 Resp: 5639

Ion	Ratio	Lower	Upper
83	100		
85	57.2	45.0	83.6
127	10.4	7.9	11.9

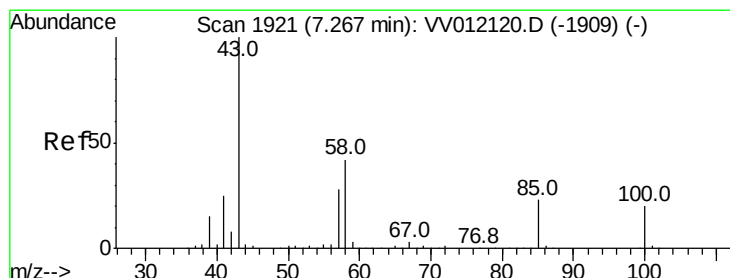
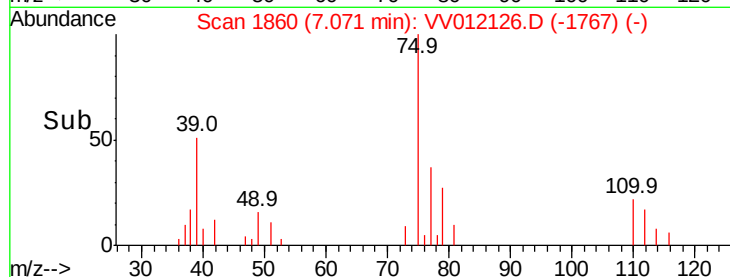
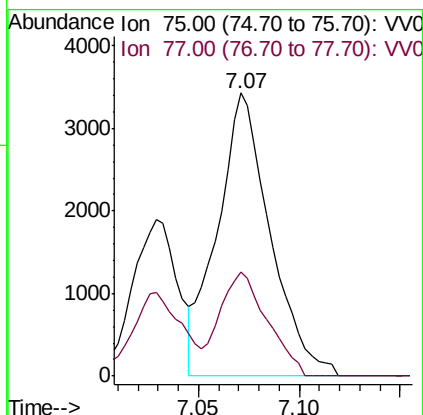
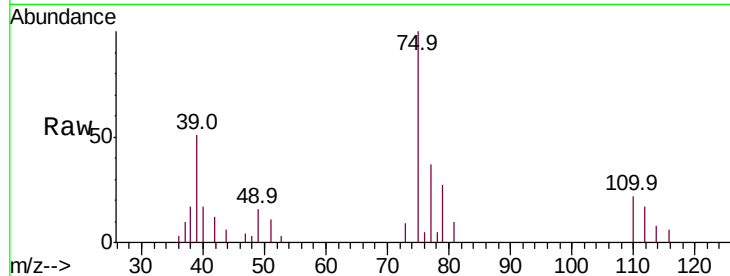




#39
 cis-1,3-Dichloropropene
 Concen: 2.788 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

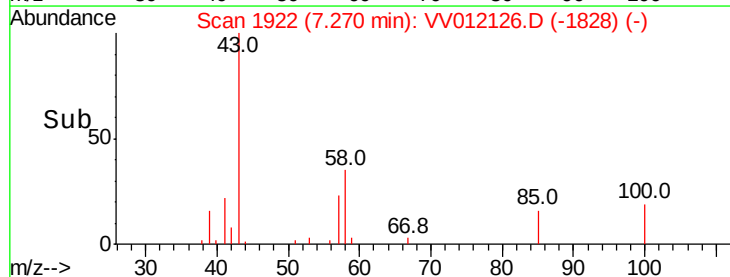
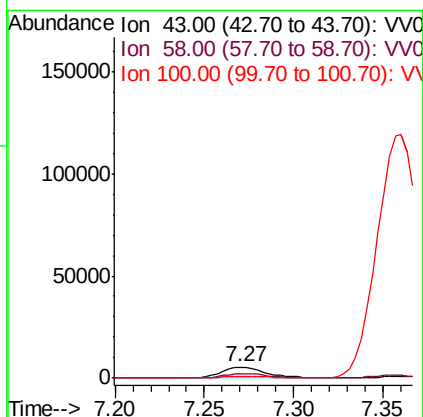
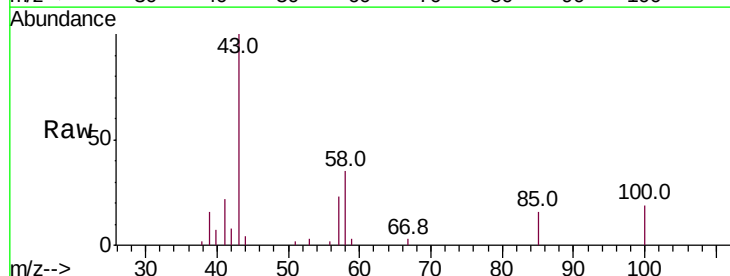
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

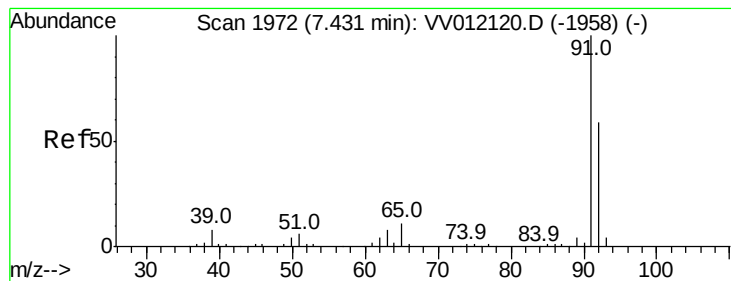
Tot Ion: 75 Resp: 6259
 Ion Ratio Lower Upper
 75 100
 77 36.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 5.821 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Tgt Ion: 43 Resp: 9539
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.4 50.2
 100 19.3 15.0 22.4





#42

Toluene

Concen: 2.913 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

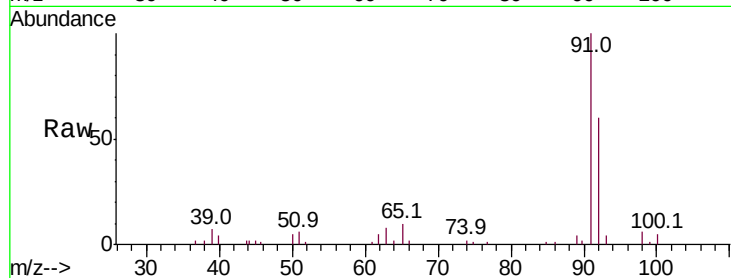
MDL03

Tot Ion: 91 Resp: 16895

Ion Ratio Lower Upper

91 100

92 59.6 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

10000

8000

6000

4000

2000

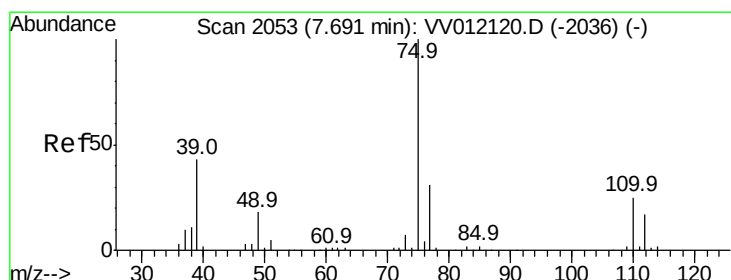
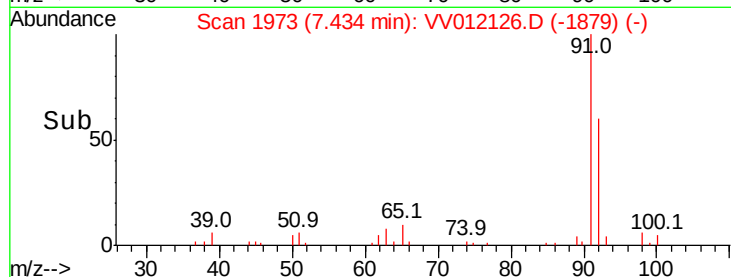
0

Time-->

7.40

7.45

7.50



#44

trans-1,3-Dichloropropene

Concen: 2.939 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012126.D

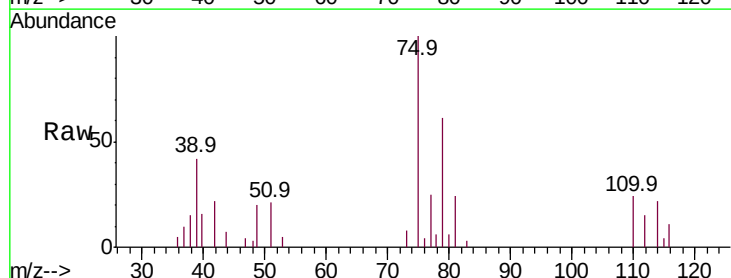
Acq: 07 Aug 2019 14:33

Tgt Ion: 75 Resp: 6227

Ion Ratio Lower Upper

75 100

77 24.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

3000

2000

1000

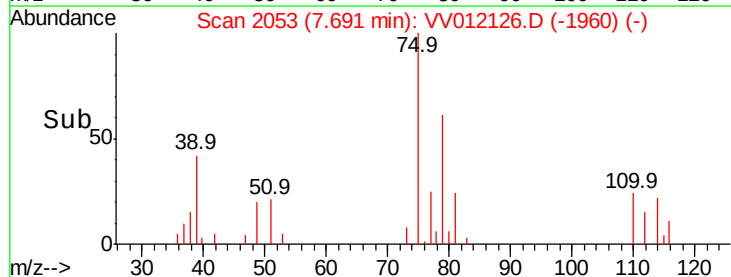
0

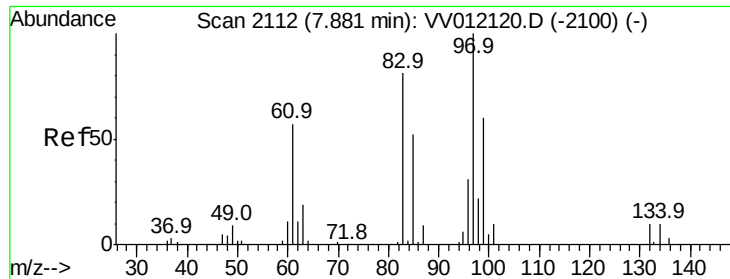
Time-->

7.65

7.70

7.75

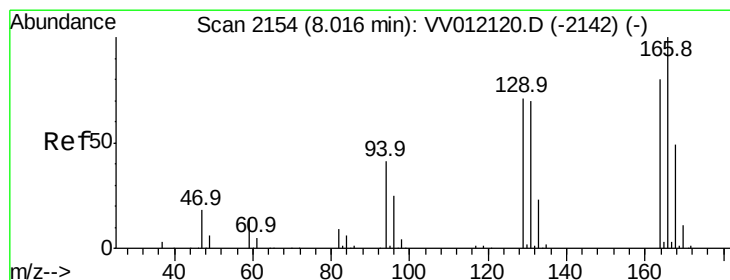
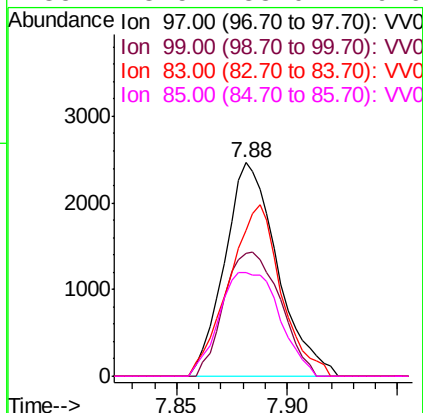
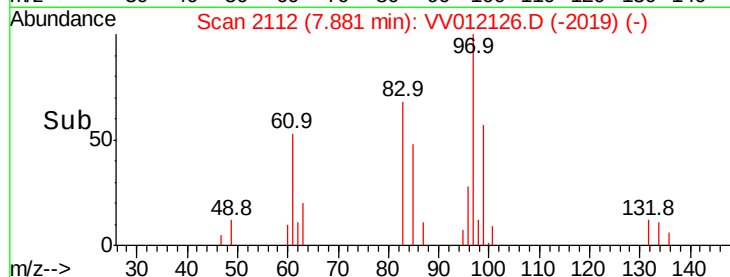
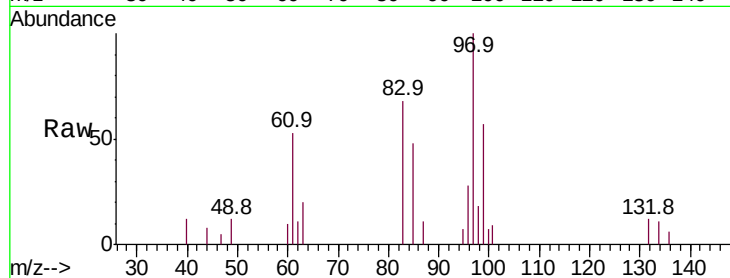




#45
1,1,2-Trichloroethane
Concen: 2.984 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

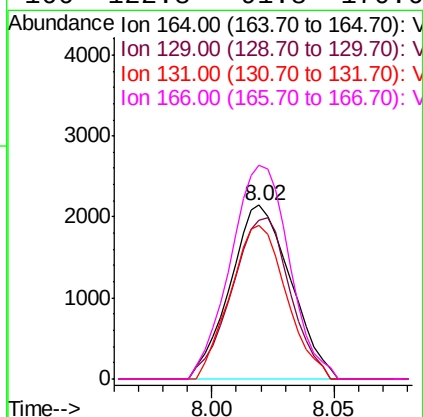
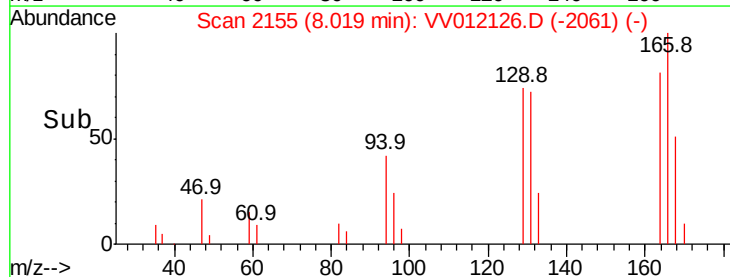
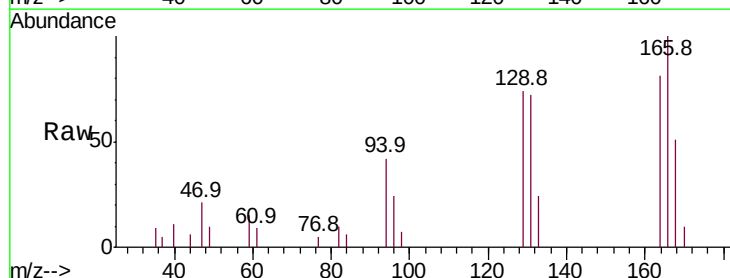
Instrument :
MSVOA_V
ClientSampled :
MDL03

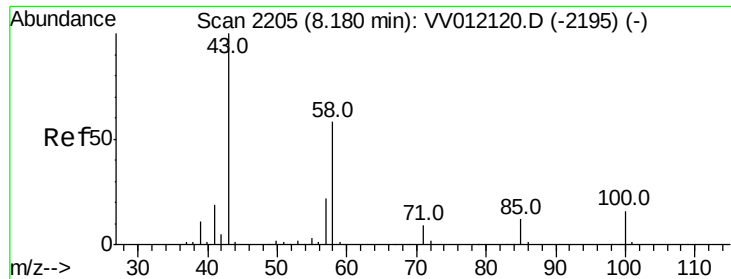
Tot Ion: 97 Resp: 4095
Ion Ratio Lower Upper
97 100
99 57.3 47.2 87.6
83 68.1 58.0 107.6
85 48.5 38.0 70.6



#46
Tetrachloroethene
Concen: 2.739 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion: 164 Resp: 3703
Ion Ratio Lower Upper
164 100
129 91.4 64.3 119.5
131 88.4 60.1 111.7
166 122.8 91.8 170.6

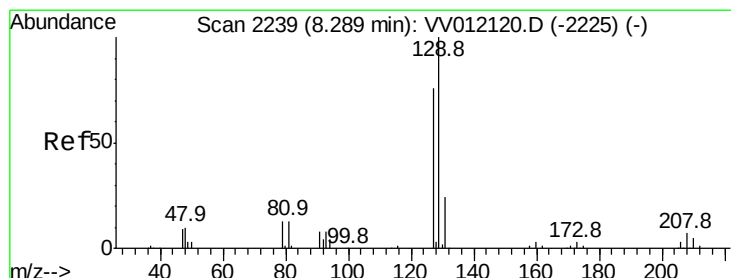
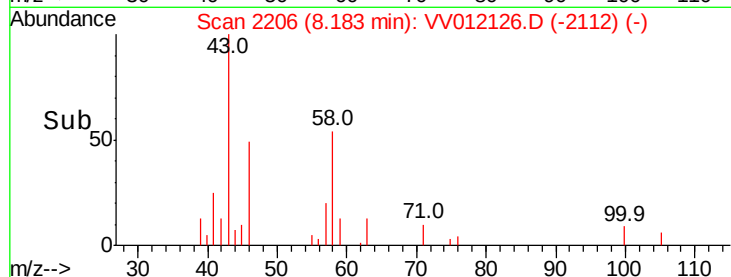
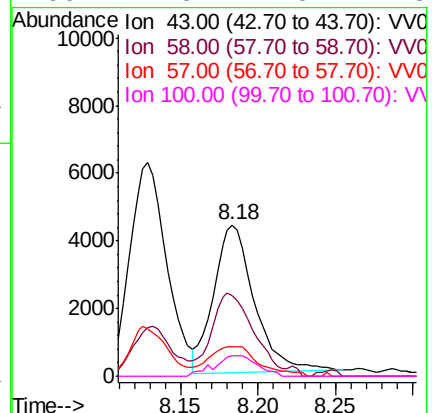
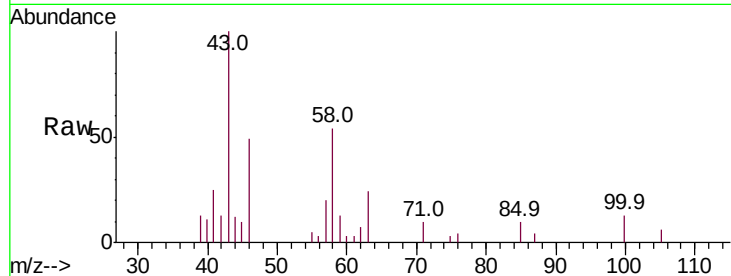




#48
2-Hexanone
Concen: 6.489 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

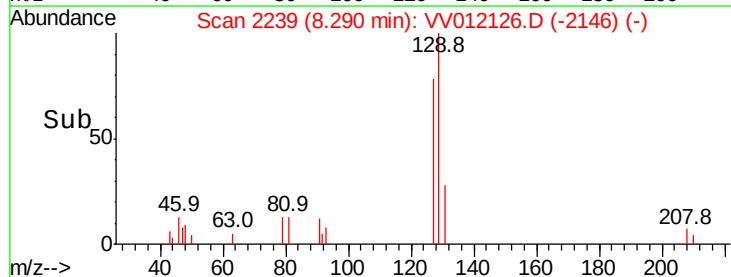
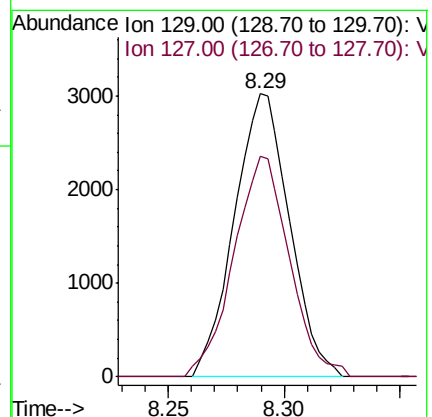
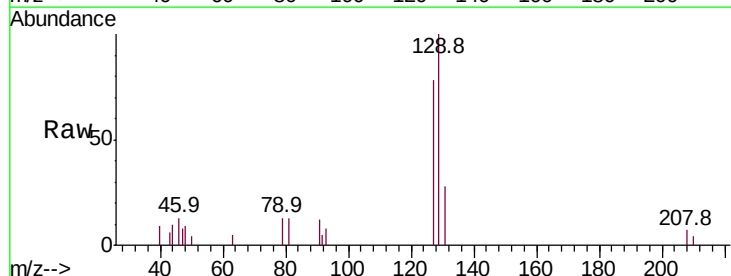
Instrument :
MSVOA_V
ClientSampled :
MDL03

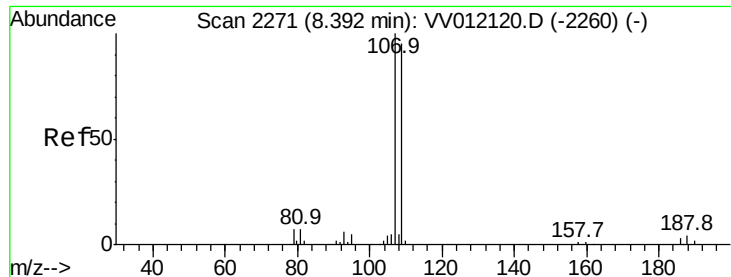
Tot Ion: 43 Resp: 8017
Ion Ratio Lower Upper
43 100
58 58.2 45.6 68.4
57 19.9 17.0 25.6
100 12.3 11.5 17.3



#49
Dibromochloromethane
Concen: 2.809 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion: 129 Resp: 5003
Ion Ratio Lower Upper
129 100
127 78.0 53.8 100.0

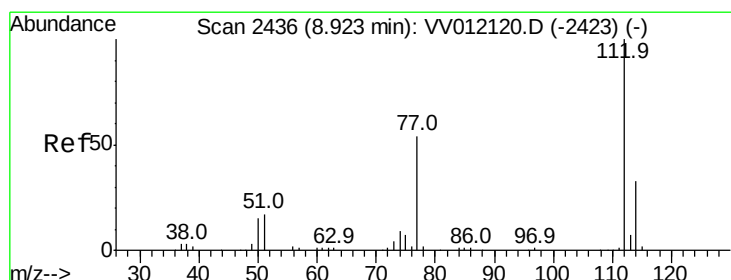
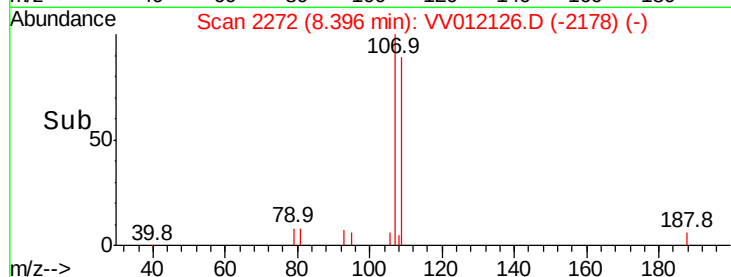
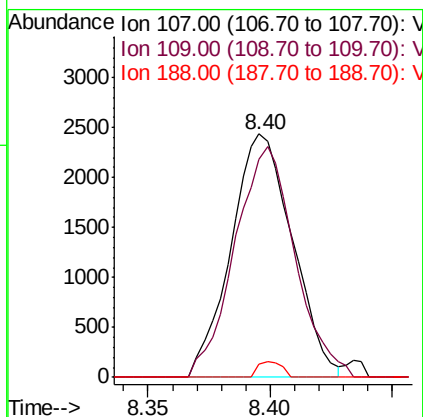
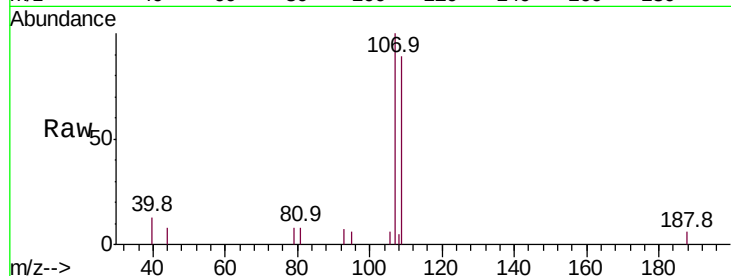




#50
1,2-Dibromoethane
Concen: 2.807 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

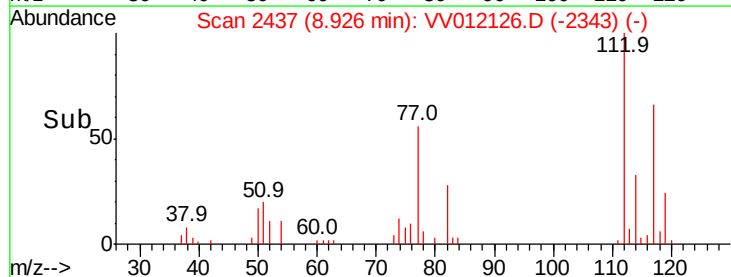
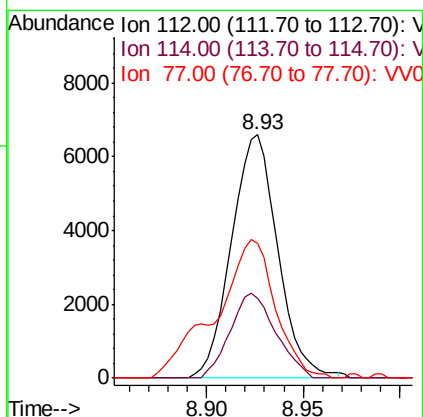
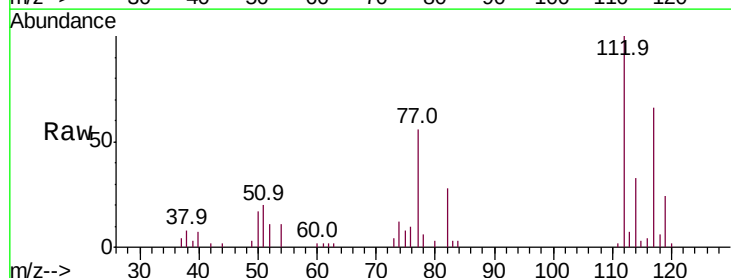
Instrument :
MSVOA_V
ClientSampleId :
MDL03

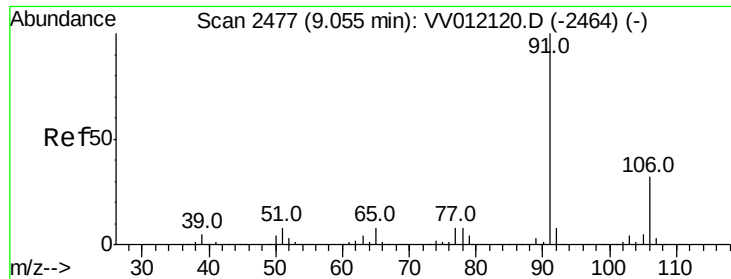
Tot Ion:107 Resp: 4260
Ion Ratio Lower Upper
107 100
109 89.5 67.0 124.4
188 5.6 3.9 5.9



#51
Chlorobenzene
Concen: 2.813 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion:112 Resp: 11002
Ion Ratio Lower Upper
112 100
114 32.9 22.8 42.4
77 55.5 44.7 67.1





#52

Ethylbenzene

Concen: 2.714 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

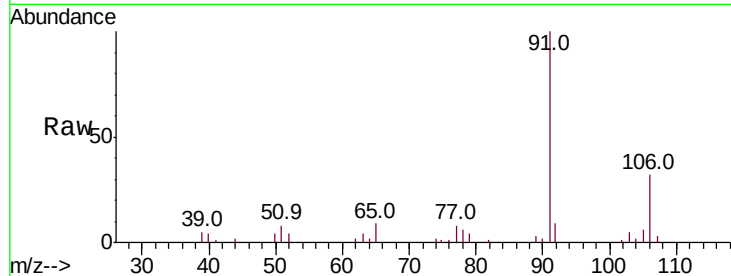
MDL03

Tot Ion: 91 Resp: 17662

Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV012126.D (-2384) (-)

Ion 106.00 (105.70 to 106.70): VV012126.D (-2384) (-)

9.05

12000

10000

8000

6000

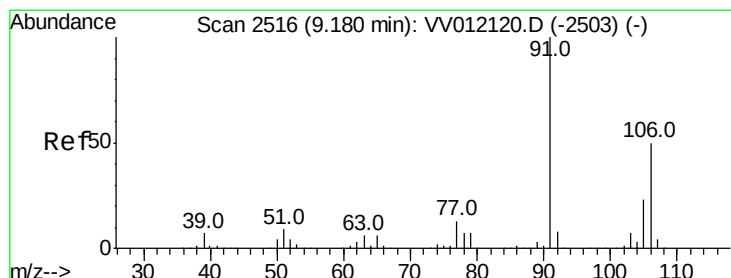
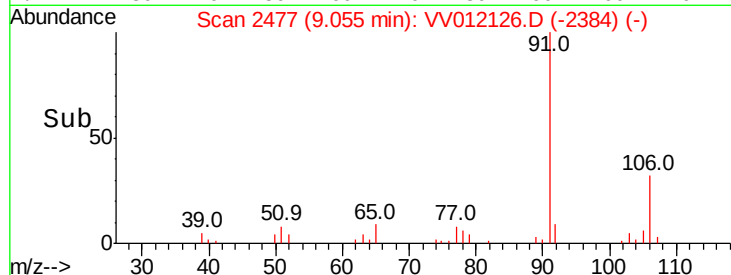
4000

2000

0

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 2.477 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012126.D

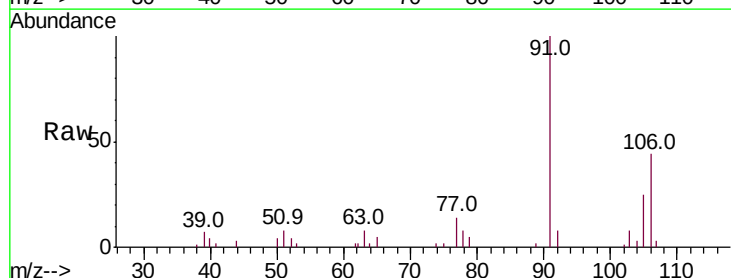
Acq: 07 Aug 2019 14:33

Tgt Ion: 106 Resp: 6220

Ion Ratio Lower Upper

106 100

91 228.0 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV012126.D (-2423) (-)

Ion 91.00 (90.70 to 91.70): VV012126.D (-2423) (-)

9.18

8000

6000

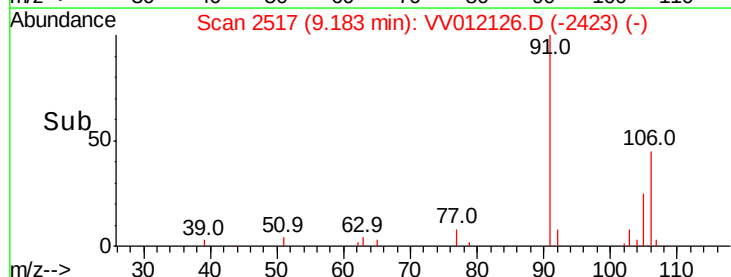
4000

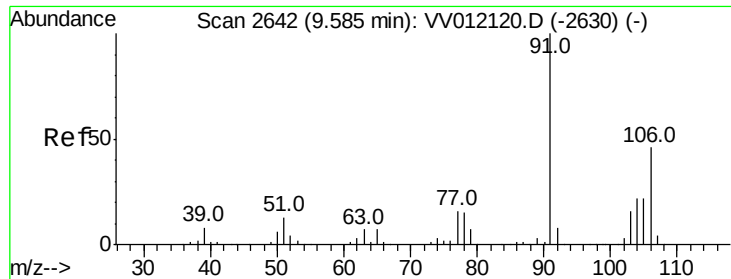
2000

0

9.15 9.20

Time-->

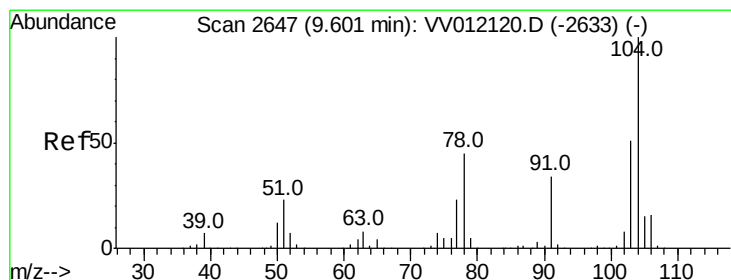
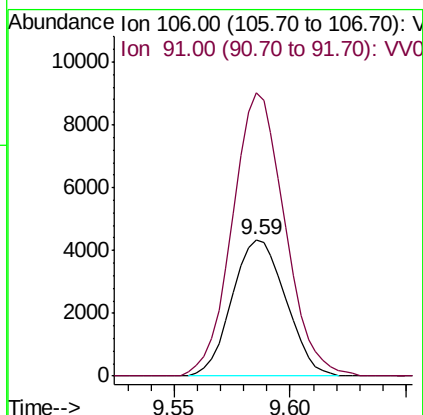
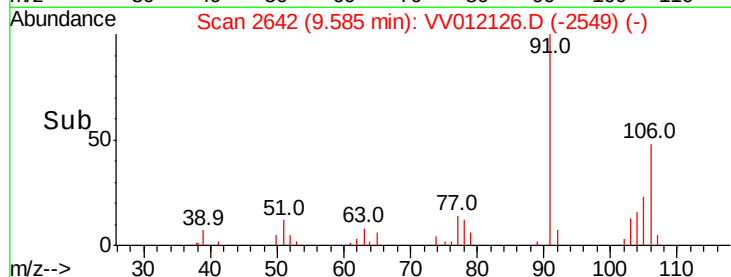
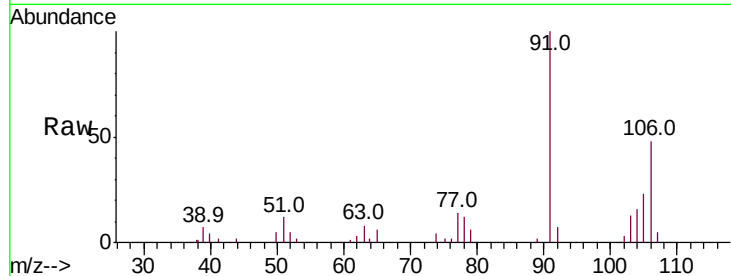




#54
o-Xylene
Concen: 2.797 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

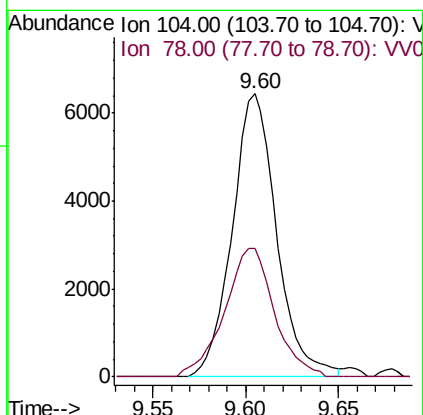
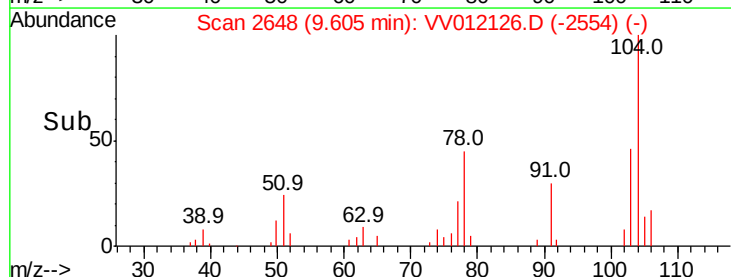
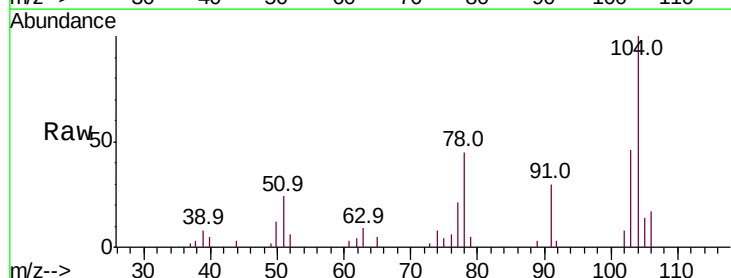
Instrument :
MSVOA_V
ClientSampled :
MDL03

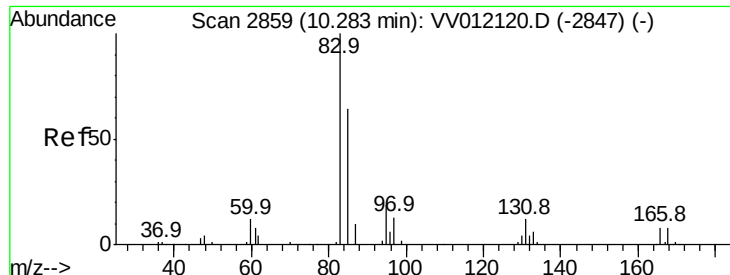
Tot Ion:106 Resp: 6969
Ion Ratio Lower Upper
106 100
91 207.8 150.4 279.2



#55
Styrene
Concen: 2.558 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion:104 Resp: 10736
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4

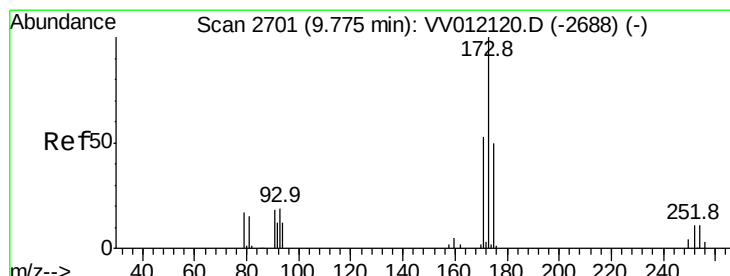
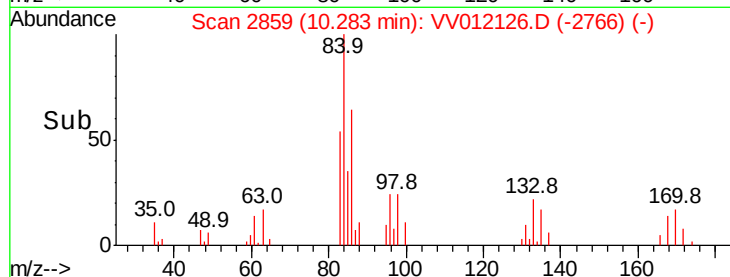
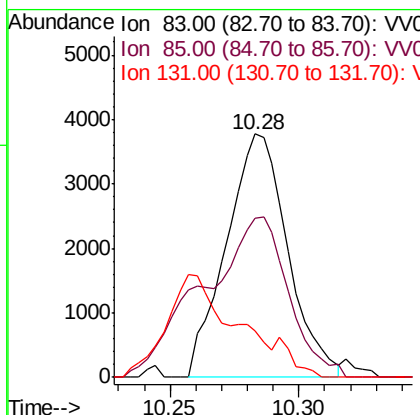
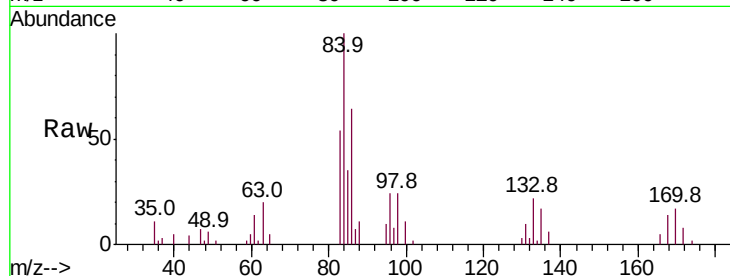




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.967 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

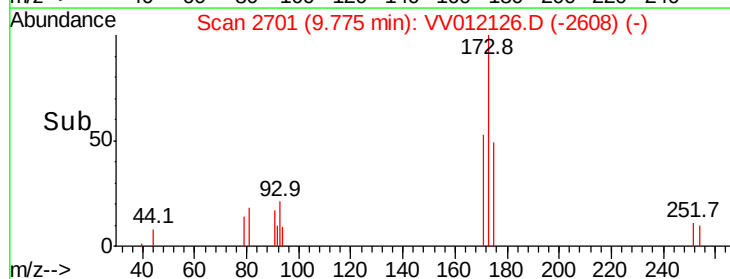
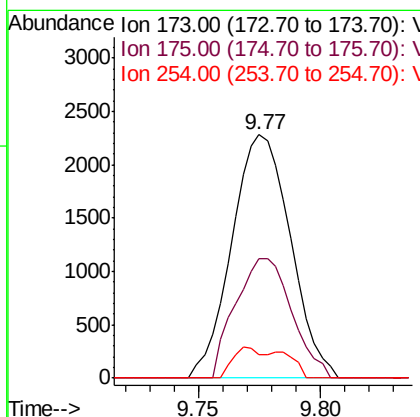
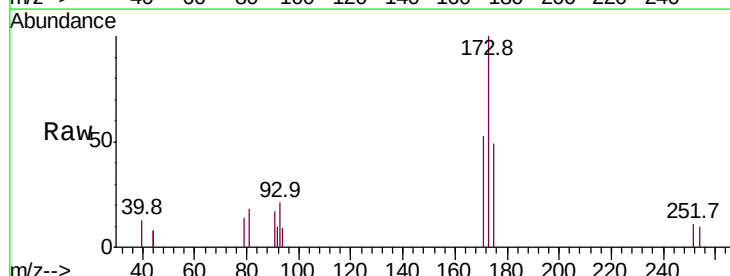
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

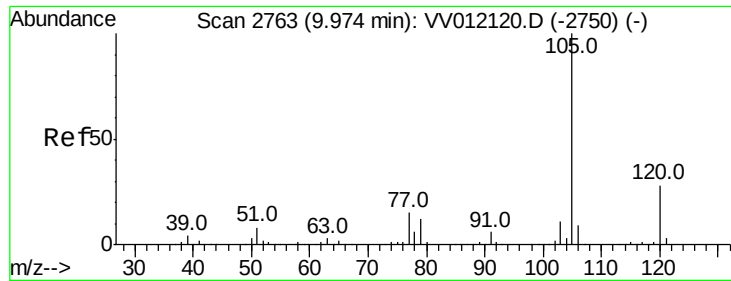
Tot Ion: 83 Resp: 6262
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.6 82.8
 131 19.0 9.3 13.9#



#59
 Bromoform
 Concen: 2.990 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Tgt Ion: 173 Resp: 3807
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.3 57.5
 254 6.9 8.9 13.3#





#60

Isopropylbenzene

Concen: 2.879 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL03

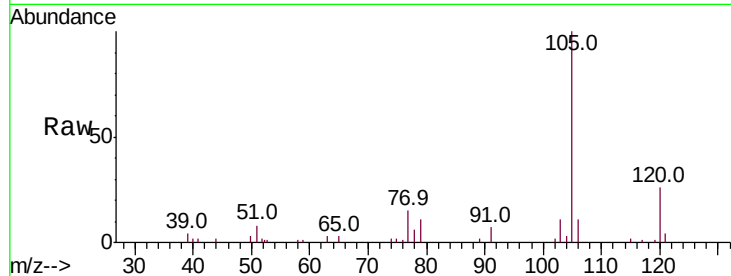
Tot Ion:105 Resp: 17106

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

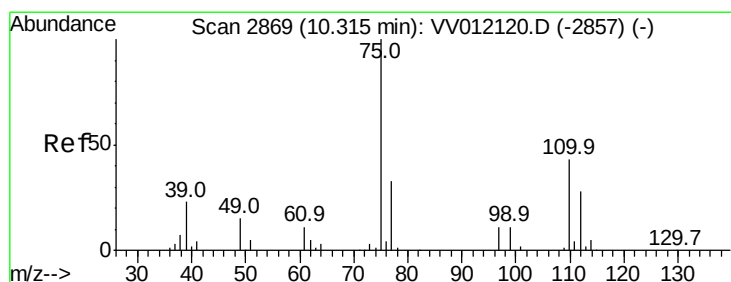
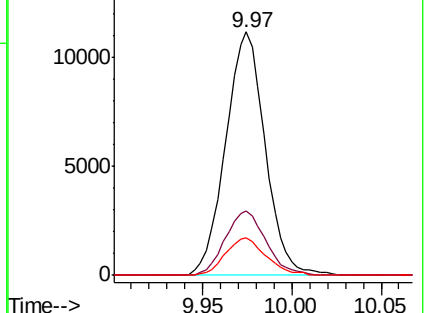
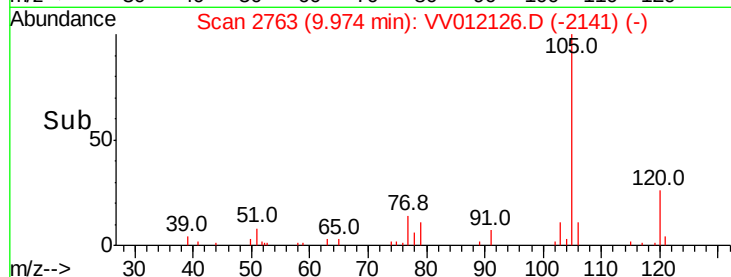
77 15.8 11.6 17.4



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: 3.291 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

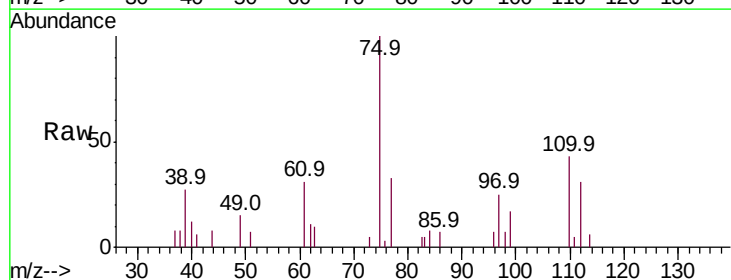
Tgt Ion: 75 Resp: 4851

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

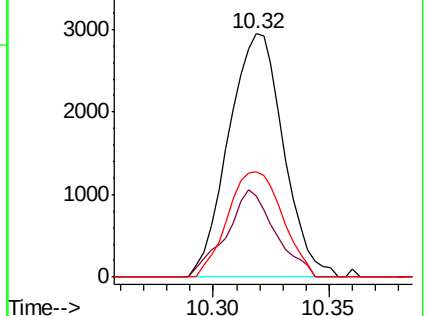
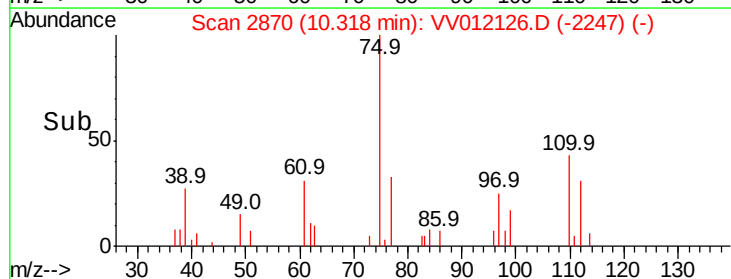
110 43.1 34.2 51.4

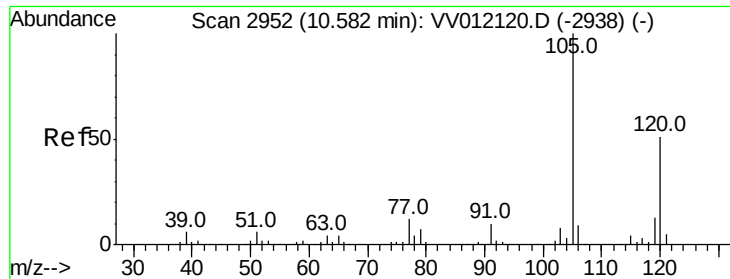


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

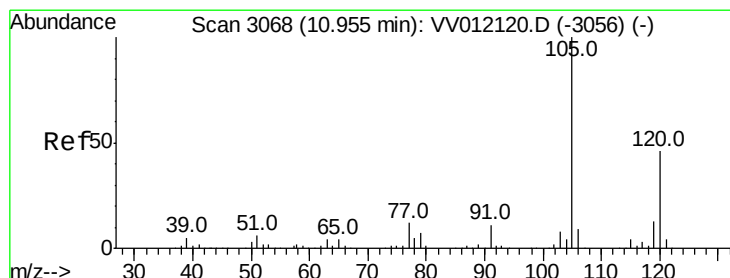
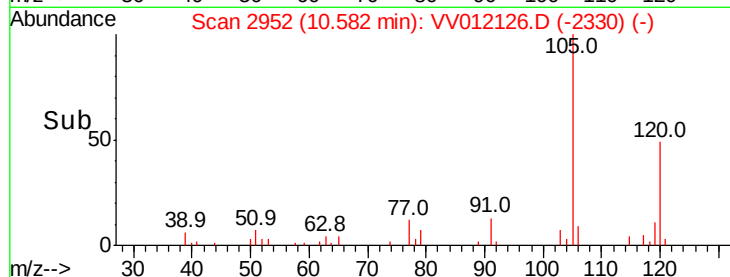
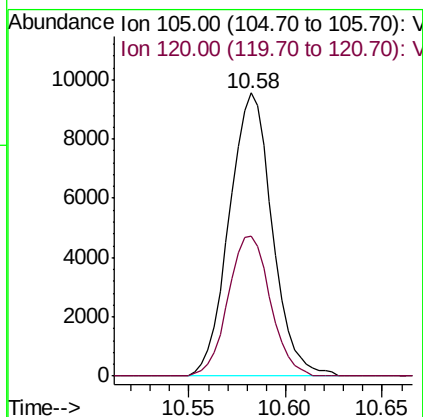
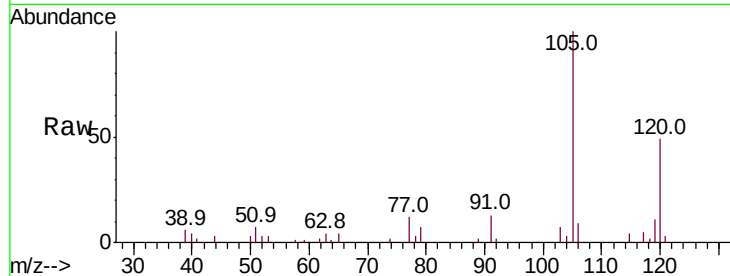




#62
 1,3,5-Trimethylbenzene
 Concen: 2.877 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

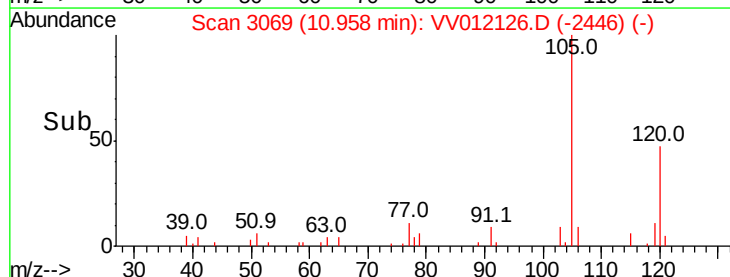
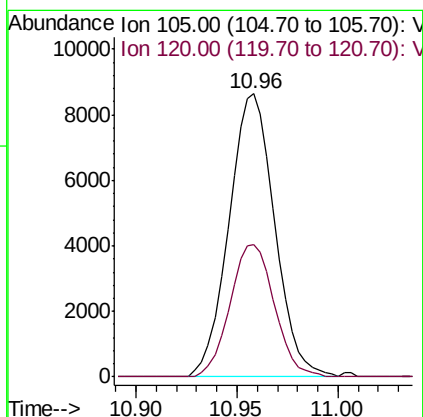
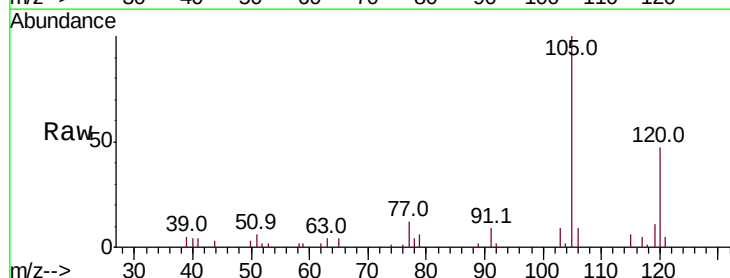
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

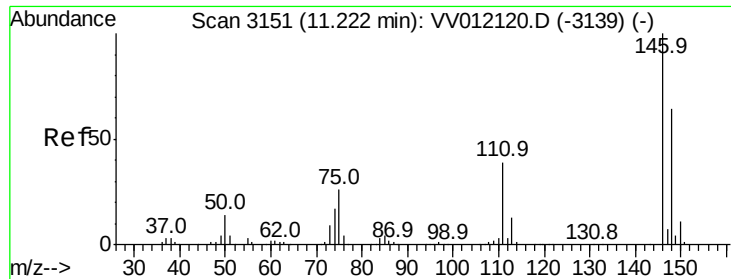
Tot Ion:105 Resp: 14782
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 2.706 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Tgt Ion:105 Resp: 13721
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 2.809 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL03

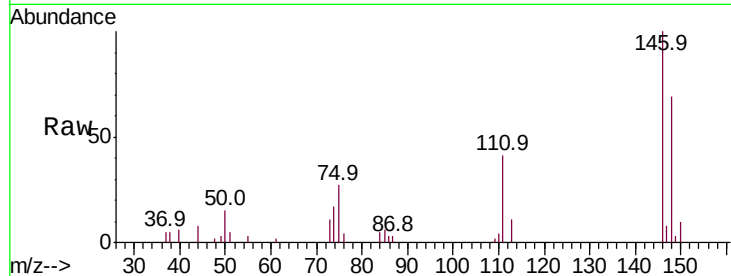
Tot Ion:146 Resp: 8422

Ion Ratio Lower Upper

146 100

111 41.1 26.8 49.8

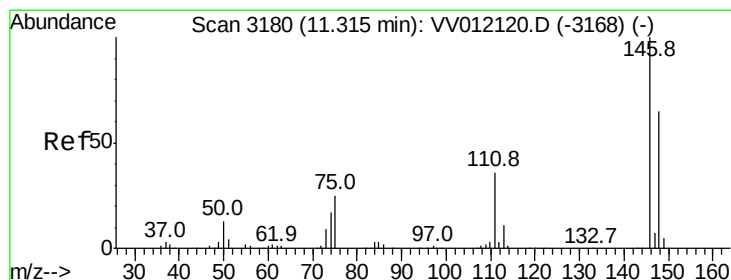
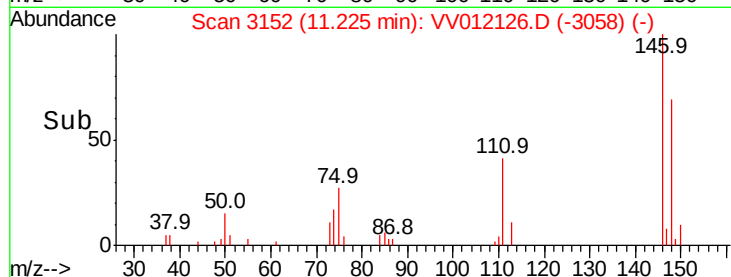
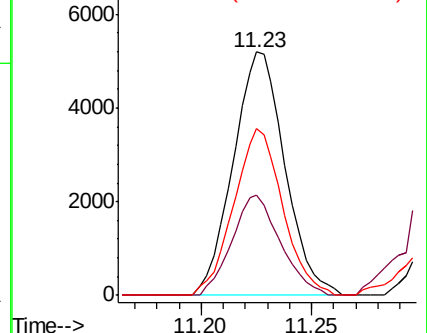
148 68.5 44.6 82.8



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



#65

1,4-Dichlorobenzene

Concen: 2.852 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

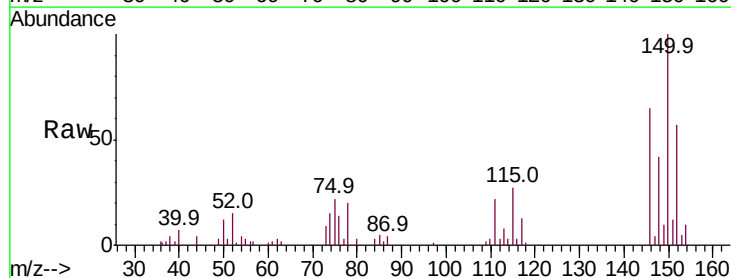
Tgt Ion:146 Resp: 8644

Ion Ratio Lower Upper

146 100

111 33.8 25.8 47.8

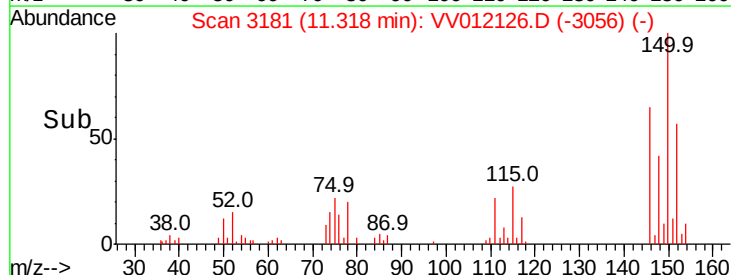
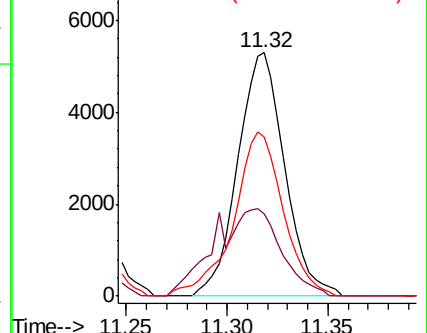
148 65.2 45.2 84.0

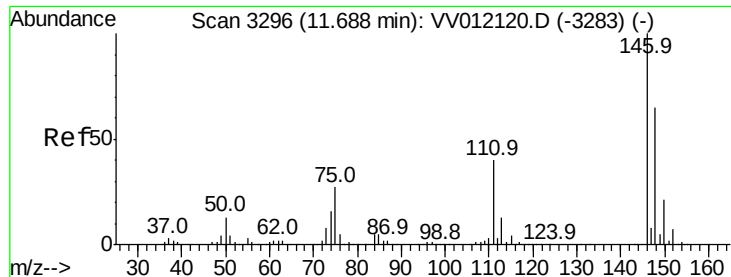


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 3.061 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL03

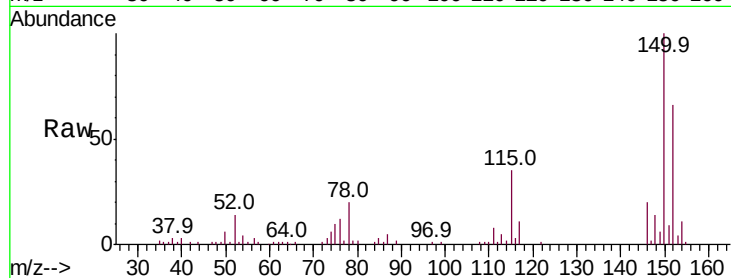
Tot Ion:146 Resp: 9363

Ion Ratio Lower Upper

146 100

111 40.8 32.2 48.2

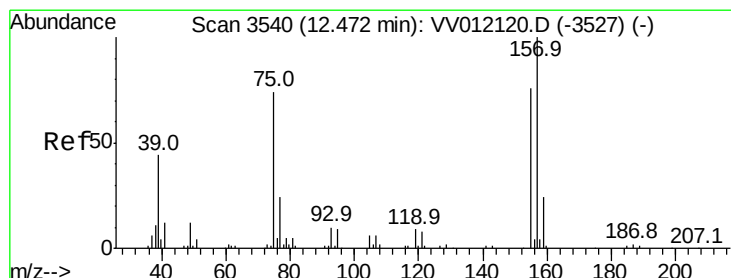
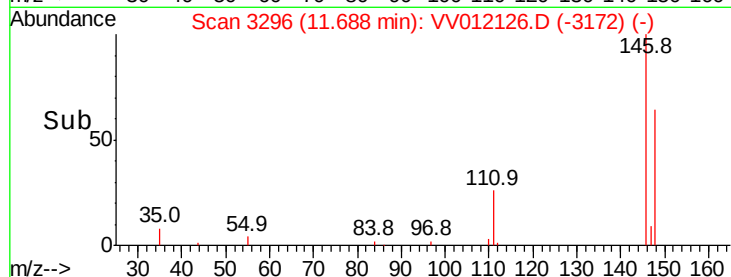
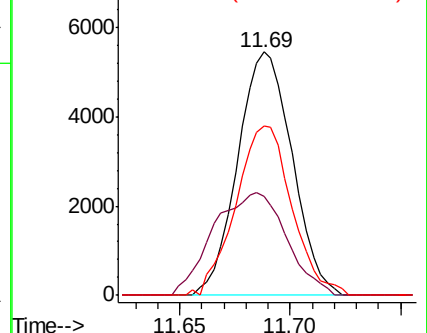
148 69.8 53.2 79.8



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: 2.993 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012126.D

Acq: 07 Aug 2019 14:33

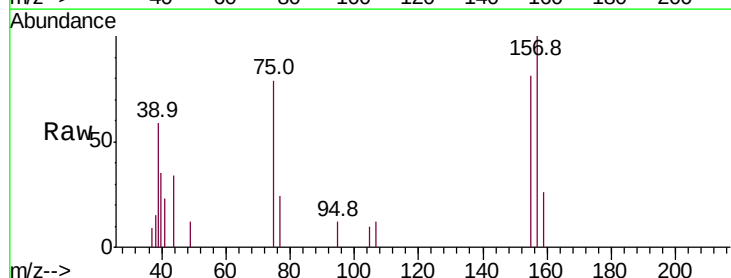
Tgt Ion: 75 Resp: 1454

Ion Ratio Lower Upper

75 100

155 103.3 81.2 121.8

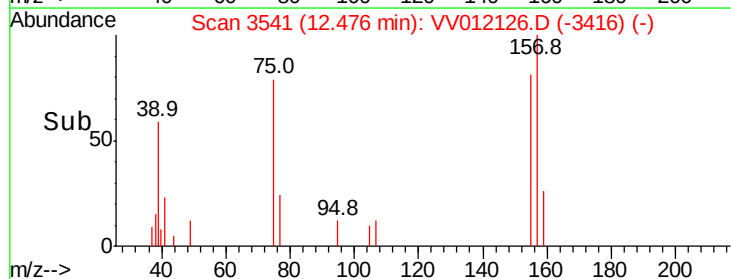
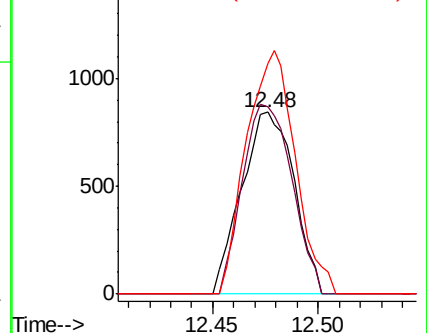
157 127.2 102.3 153.5

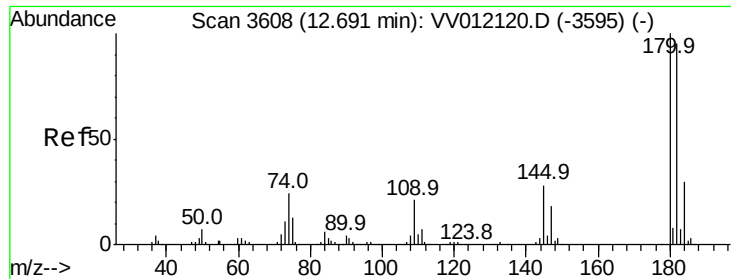


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

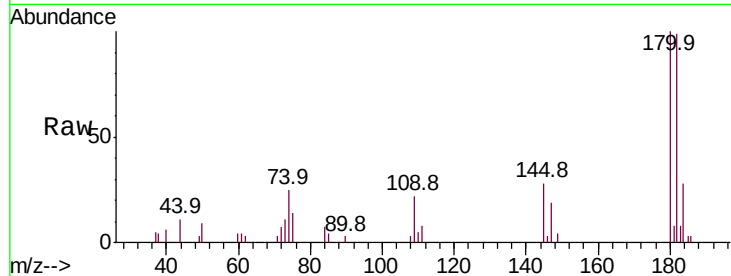




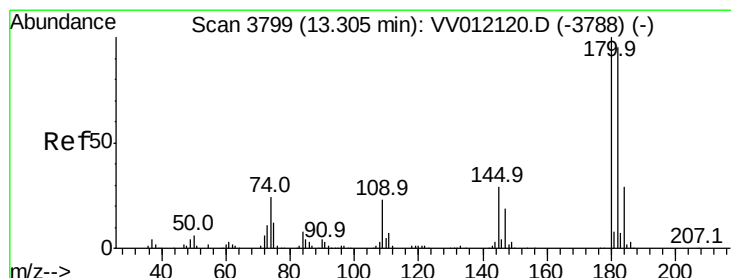
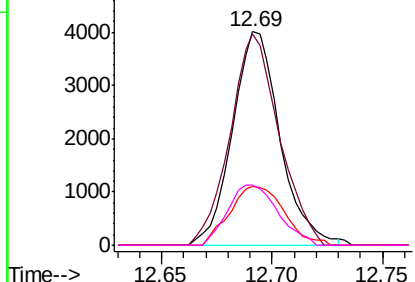
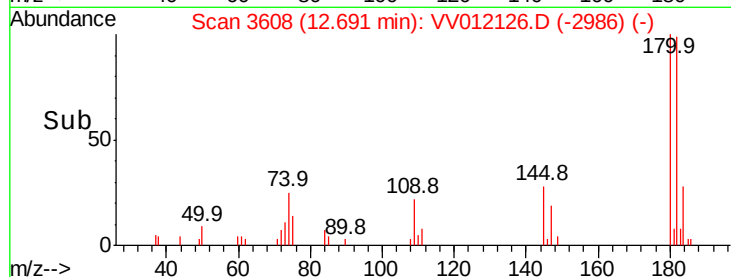
#69
 1,3,5-Trichlorobenzene
 Concen: 2.465 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 5991
 Ion Ratio Lower Upper
 180 100
 182 101.9 76.5 114.7
 184 31.3 24.6 36.8
 145 30.1 22.5 33.7

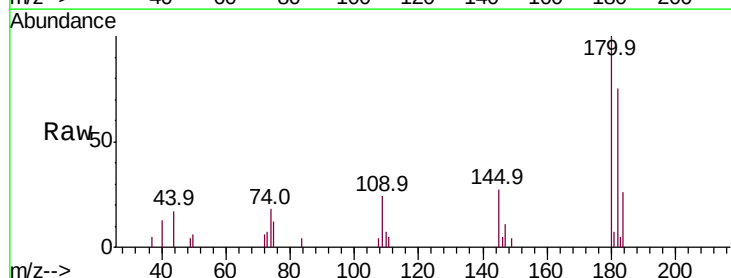


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

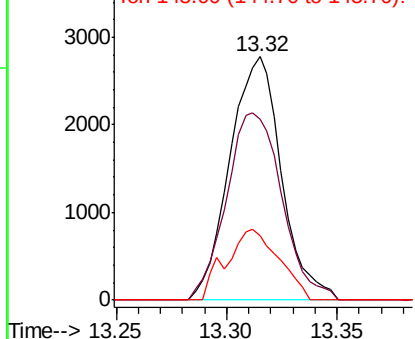
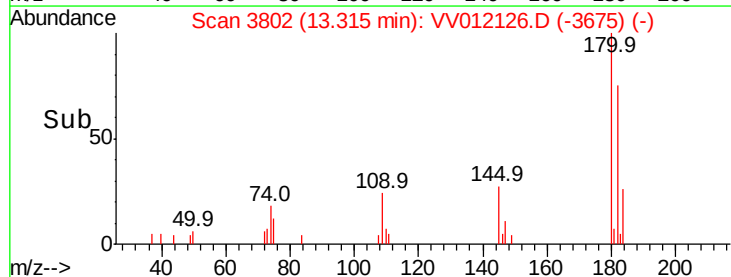


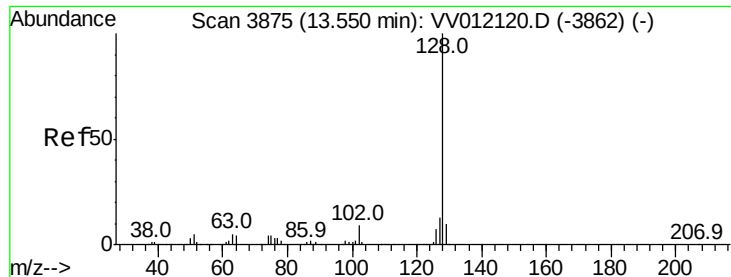
#70
 1,2,4-trichlorobenzene
 Concen: 2.145 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.01 min
 Lab File: VV012126.D
 Acq: 07 Aug 2019 14:33

Tgt Ion:180 Resp: 4520
 Ion Ratio Lower Upper
 180 100
 182 82.7 76.5 114.7
 145 24.7 23.3 34.9



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

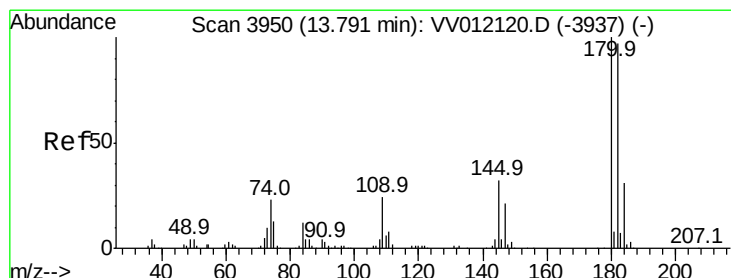
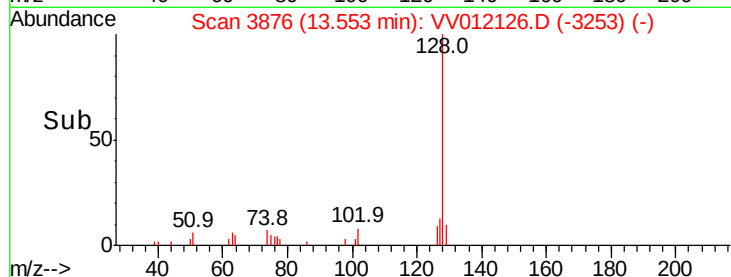
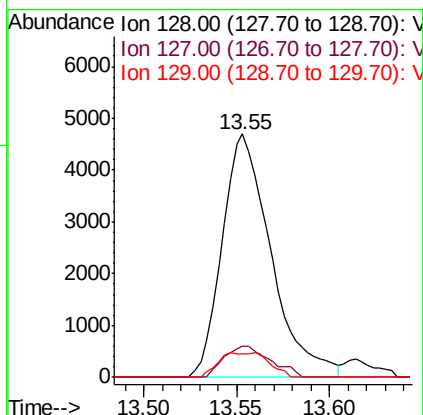
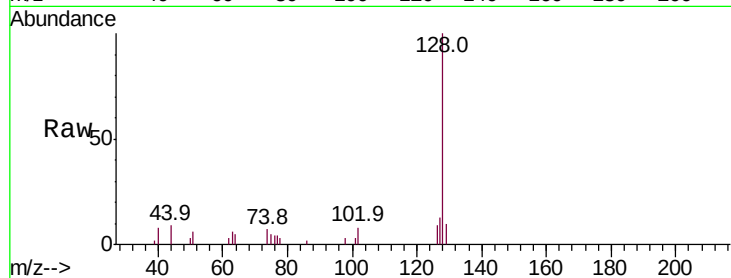




#71
Naphthalene
Concen: 1.608 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:128 Resp: 8587
Ion Ratio Lower Upper
128 100
127 11.0 10.6 15.8
129 5.4 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 1.992 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012126.D
Acq: 07 Aug 2019 14:33

Tgt Ion:180 Resp: 4224
Ion Ratio Lower Upper
180 100
182 101.1 77.2 115.8
145 28.6 24.6 36.8

