

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017608.D
 Acq On : 23 Jul 2020 17:03
 Operator : SY/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Quant Time: Jul 24 01:55:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	199642	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	189619	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	96008	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	45147	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	36721	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	75342	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.95	46	105972	46.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.94%
24) Chloroform-d	4.38	84	108207	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	59406	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	203281	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.10	67	57063	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.34	98	190167	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
45) trans-1,3-Dichloropropene-	7.65	79	24242	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
48) 2-Hexanone-d5	8.11	63	74383	45.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38132	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	75341	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	6498	0.297	ug/L	99
3) Chloromethane	1.25	50	4617	0.324	ug/L	100
5) Vinyl chloride	1.32	62	5112	0.358	ug/L #	72
6) Bromomethane	1.53	94	2949	0.322	ug/L	94
8) Chloroethane	1.32	64	2543	0.309	ug/L	97
9) Trichlorofluoromethane	1.76	101	8383	0.329	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3927	0.330	ug/L	95
12) 1,1-Dichloroethene	2.13	96	4279	0.398	ug/L #	1
13) Acetone	2.22	43	3234	1.811	ug/L	85
14) Carbon disulfide	2.31	76	11000	0.337	ug/L #	92
16) Methylene chloride	2.52	84	4892	0.409	ug/L	83
17) Methyl tert-butyl Ether	2.79	73	9596	0.348	ug/L #	89
18) trans-1,2-Dichloroethene	2.78	96	4201	0.359	ug/L	93
19) 1,1-Dichloroethane	3.21	63	7994	0.325	ug/L	94
21) 2-Butanone	4.04	43	6004	1.992	ug/L	79
22) cis-1,2-Dichloroethene	3.94	96	4859	0.329	ug/L	86
23) Bromochloromethane	4.28	128	2532	0.372	ug/L	96

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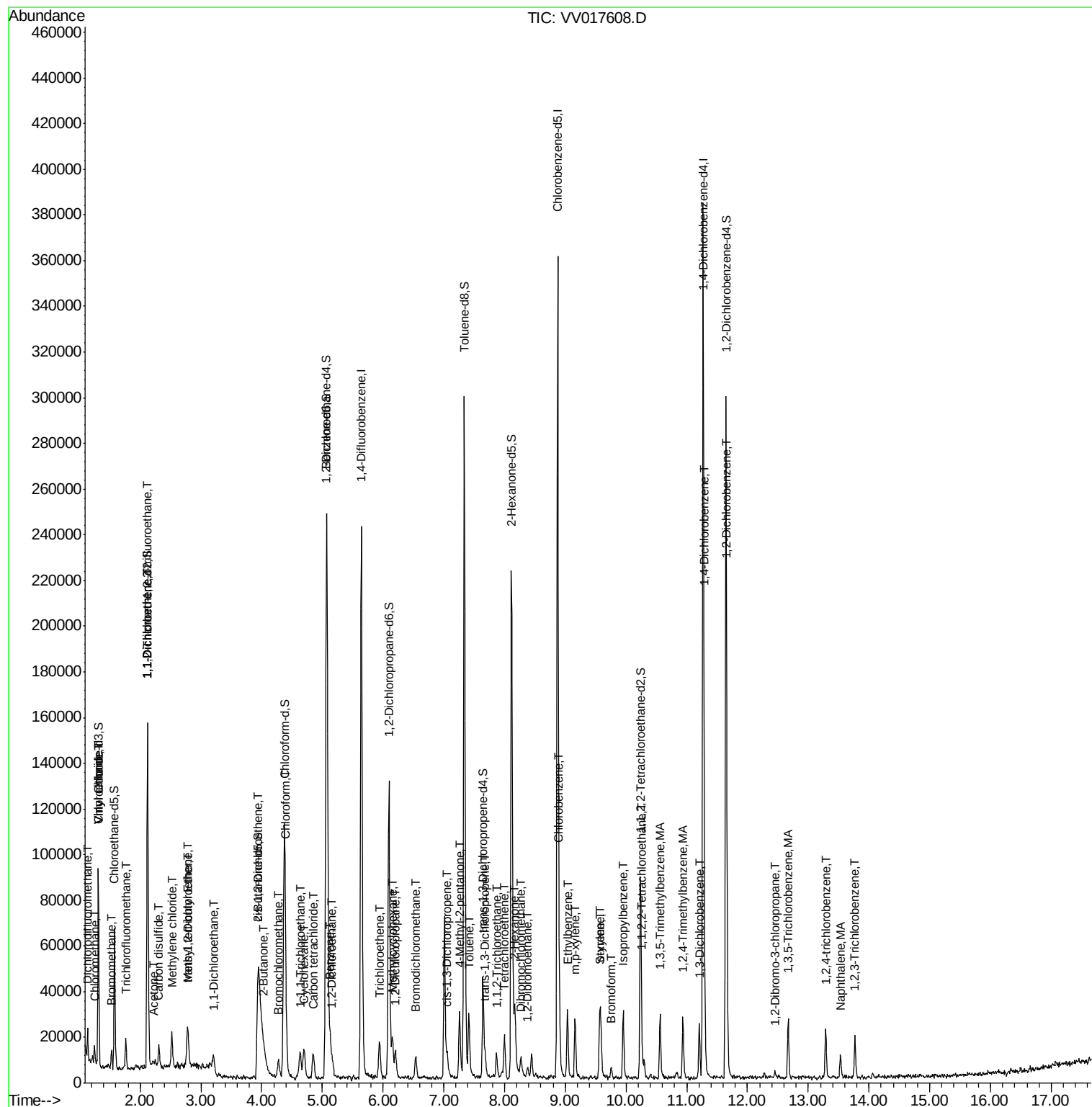
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	9989	0.361	ug/L	97
27) 1,2-Dichloroethane	5.16	62	6196	0.346	ug/L	97
29) 1,1,1-Trichloroethane	4.64	97	8387	0.316	ug/L	96
30) Cyclohexane	4.70	56	6572	0.313	ug/L #	22
31) Carbon tetrachloride	4.85	117	7878	0.334	ug/L	94
33) Benzene	5.13	78	17820	0.332	ug/L	100
34) Trichloroethene	5.95	95	4966	0.331	ug/L	96
35) Methylcyclohexane	6.15	83	5011	0.221	ug/L #	72
37) 1,2-Dichloropropane	6.20	63	4689	0.372	ug/L #	89
38) Bromodichloromethane	6.54	83	6298	0.339	ug/L	88
39) cis-1,3-Dichloropropene	7.05	75	6542	0.344	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	18780	2.715	ug/L #	87
42) Toluene	7.41	91	18834	0.322	ug/L	90
43) 1,3,5-Trimethylbenzene	10.56	105	13861	0.254	ug/L	97
44) 1,2,4-Trimethylbenzene	10.94	105	13932	0.249	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	6611	0.387	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	2982	0.312	ug/L	87
49) Tetrachloroethene	8.00	164	3724	0.282	ug/L	86
50) 2-Hexanone	8.17	43	20673	4.224	ug/L	95
51) Dibromochloromethane	8.27	129	3689	0.303	ug/L	86
52) 1,2-Dibromoethane	8.38	107	2929	0.324	ug/L #	99
53) Chlorobenzene	8.90	112	12979	0.332	ug/L	95
54) Ethylbenzene	9.04	91	19435	0.296	ug/L	99
55) m,p-xylene	9.16	106	6653	0.269	ug/L	100
56) o-xylene	9.57	106	6925	0.289	ug/L	98
57) Styrene	9.59	104	10251	0.256	ug/L	89
58) Isopropylbenzene	9.95	105	17863	0.270	ug/L	97
60) 1,1,2,2-Tetrachloroethane	10.26	83	3109	0.298	ug/L	99
62) Bromoform	9.76	173	2158	0.351	ug/L #	94
63) 1,3-Dichlorobenzene	11.21	146	9717	0.314	ug/L	94
64) 1,4-Dichlorobenzene	11.29	146	10522	0.339	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	9540	0.339	ug/L	89
67) 1,2-Dibromo-3-chloropropan	12.45	75	862	0.490	ug/L #	57
68) 1,3,5-Trichlorobenzene	12.67	180	7810	0.311	ug/L	96
69) 1,2,4-trichlorobenzene	13.29	180	6378	0.304	ug/L	95
70) Naphthalene	13.53	128	7947	0.271	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	5434	0.292	ug/L	94

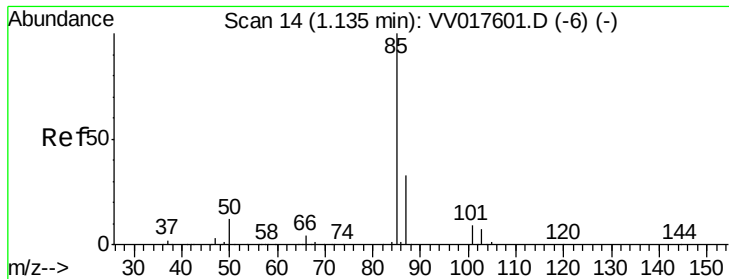
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.297 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

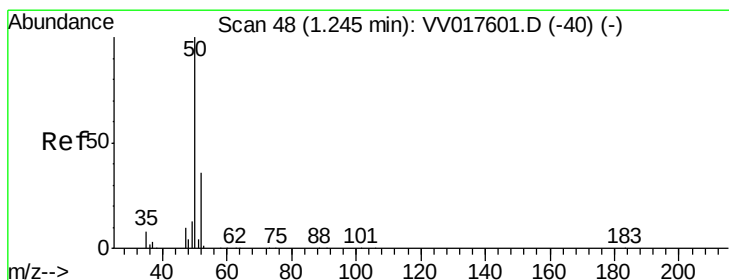
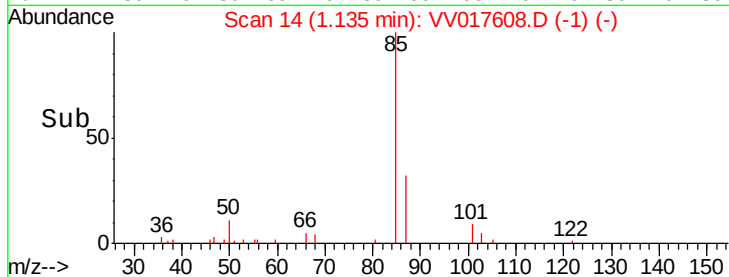
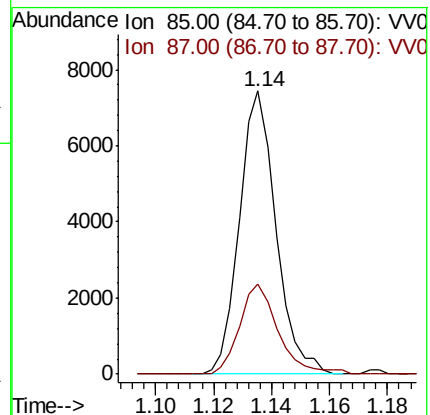
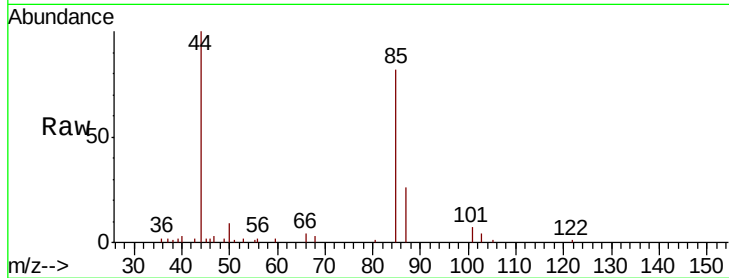
MDL03

Tot Ion: 85 Resp: 6498

Ion Ratio Lower Upper

85 100

87 33.6 26.4 39.6



#3

Chloromethane

Concen: 0.324 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017608.D

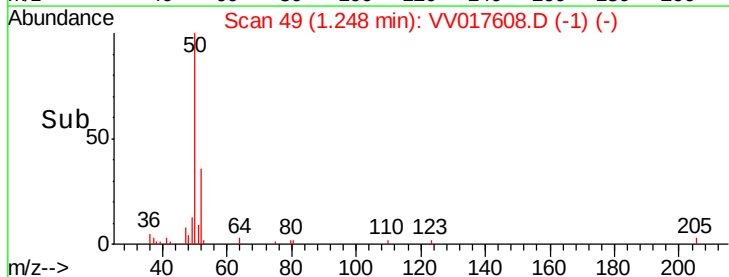
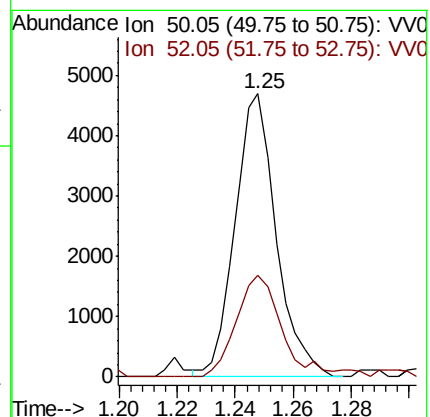
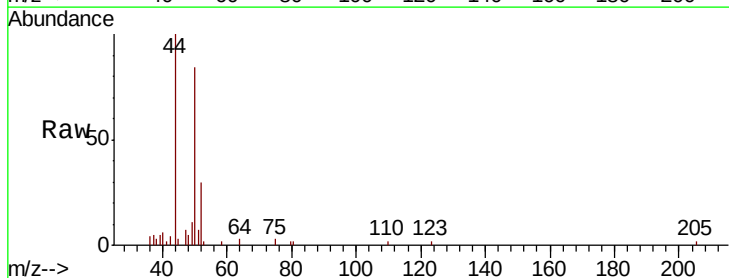
Acq: 23 Jul 2020 17:03

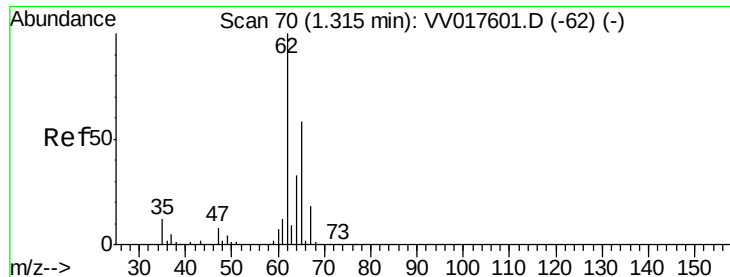
Tgt Ion: 50 Resp: 4617

Ion Ratio Lower Upper

50 100

52 35.9 25.1 46.5





#5

Vinyl chloride

Concen: 0.358 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampled :

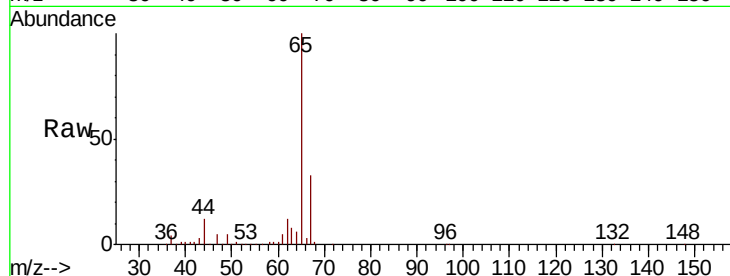
MDL03

Tot Ion: 62 Resp: 5112

Ion Ratio Lower Upper

62 100

64 48.6 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV017608.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017608.D (-62) (-)

1.32

5000

4000

3000

2000

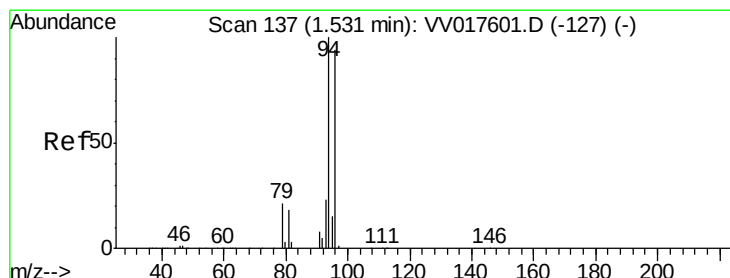
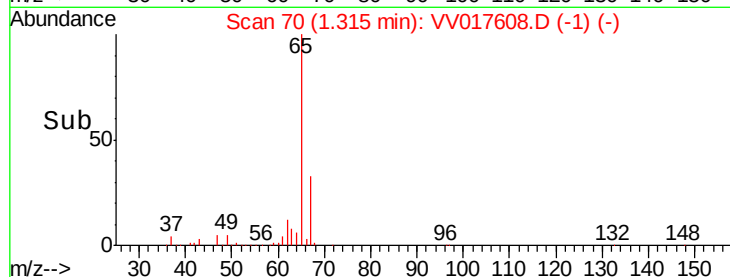
1000

0

1.30

1.35

Time-->



#6

Bromomethane

Concen: 0.322 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017608.D

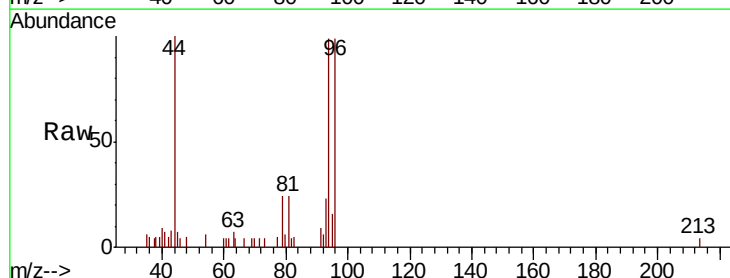
Acq: 23 Jul 2020 17:03

Tgt Ion: 94 Resp: 2949

Ion Ratio Lower Upper

94 100

96 99.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017608.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017608.D (-127) (-)

1.53

3000

2500

2000

1500

1000

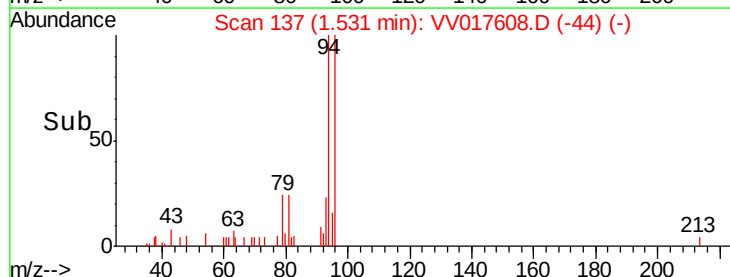
500

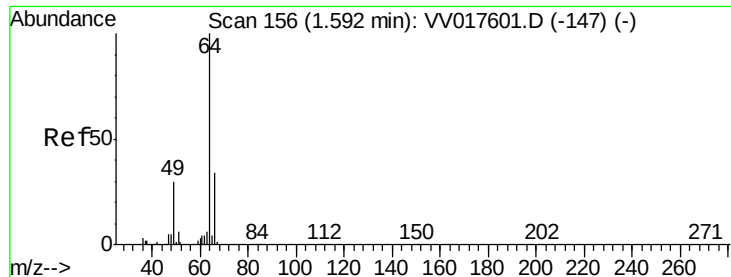
0

1.50

1.55

Time-->





#8

Chloroethane

Concen: 0.309 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampled :

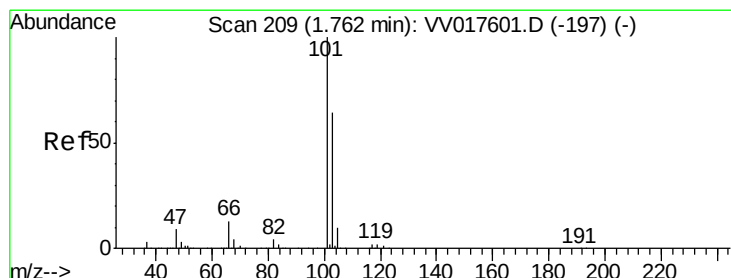
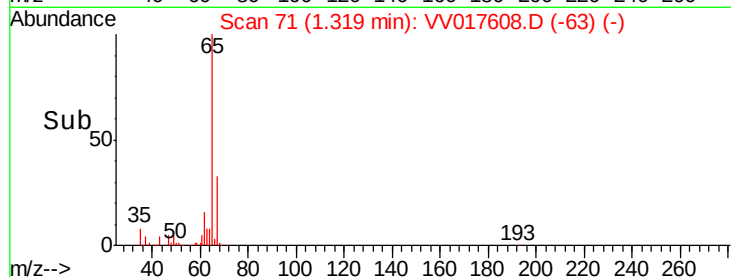
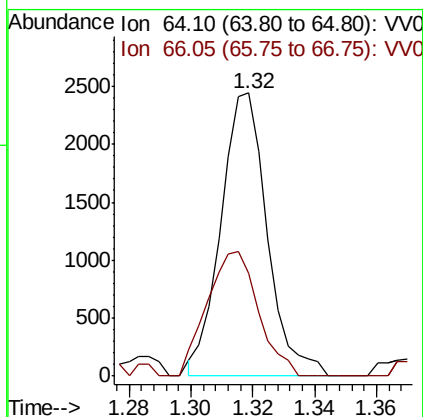
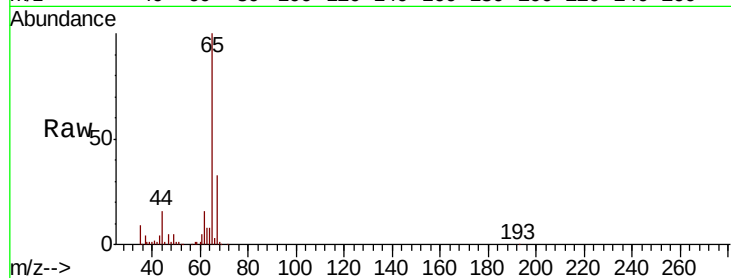
MDL03

Tot Ion: 64 Resp: 2543

Ion Ratio Lower Upper

64 100

66 36.2 24.0 44.6



#9

Trichlorofluoromethane

Concen: 0.329 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017608.D

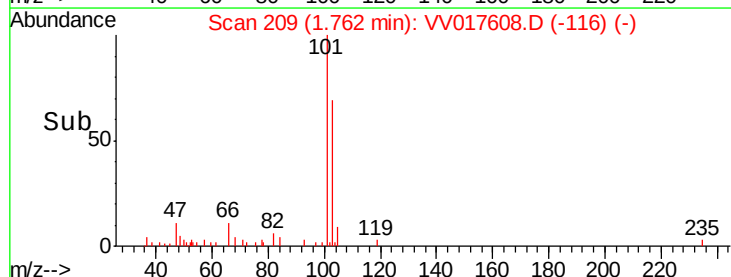
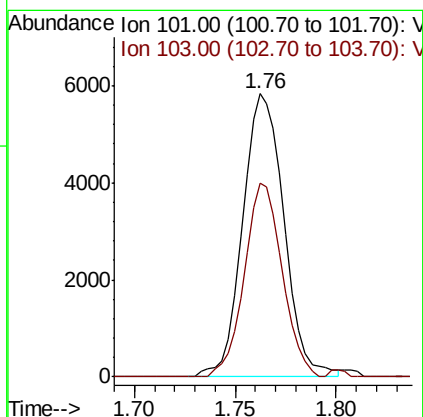
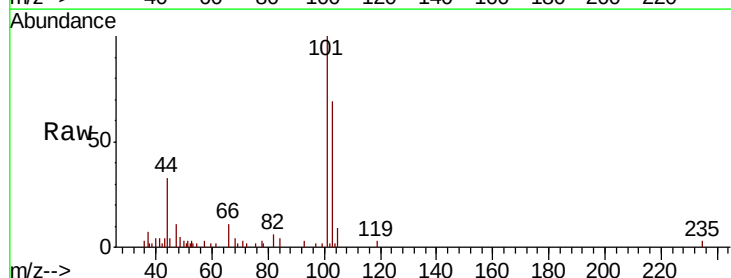
Acq: 23 Jul 2020 17:03

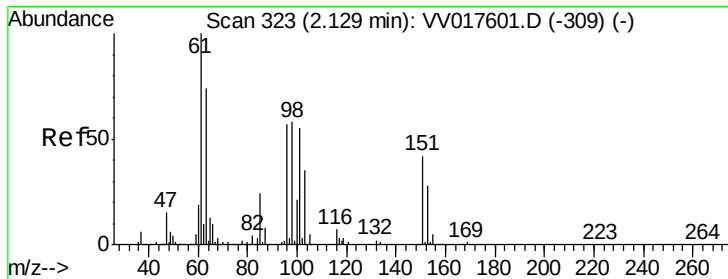
Tgt Ion: 101 Resp: 8383

Ion Ratio Lower Upper

101 100

103 62.7 51.7 77.5





#10

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

Concen: 0.330 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

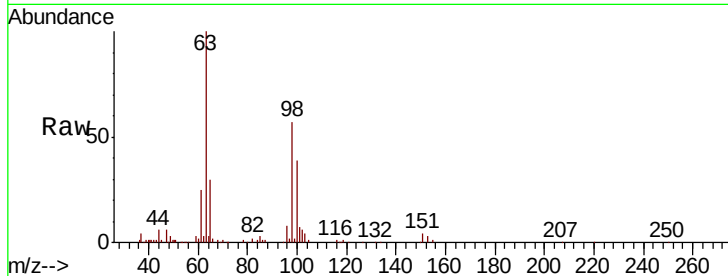
Tot Ion:101 Resp: 3927

Ion Ratio Lower Upper

101 100

85 47.1 34.6 51.8

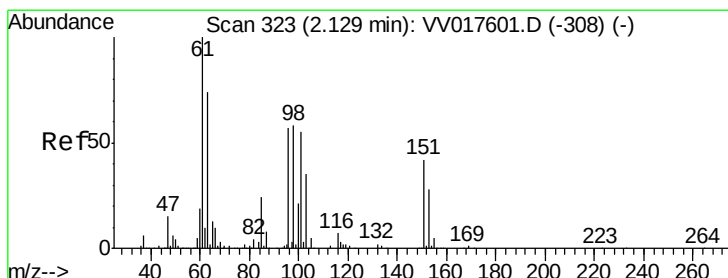
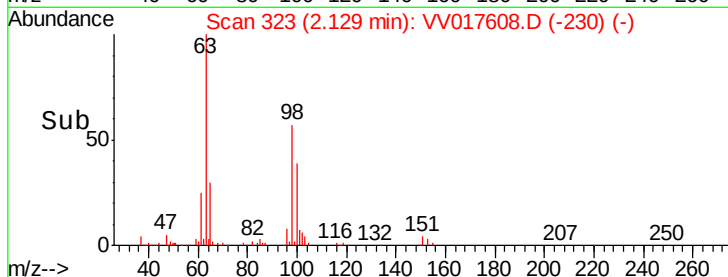
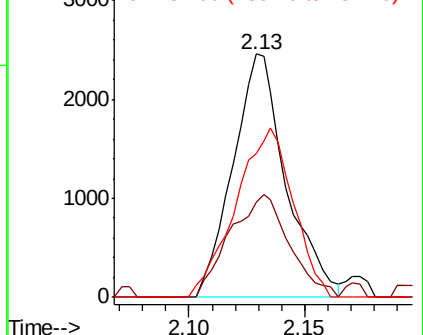
151 74.9 63.5 95.3



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: 0.398 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

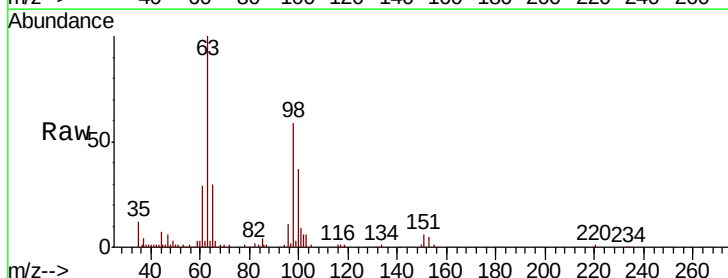
Tgt Ion: 96 Resp: 4279

Ion Ratio Lower Upper

96 100

61 266.3 123.1 228.7#

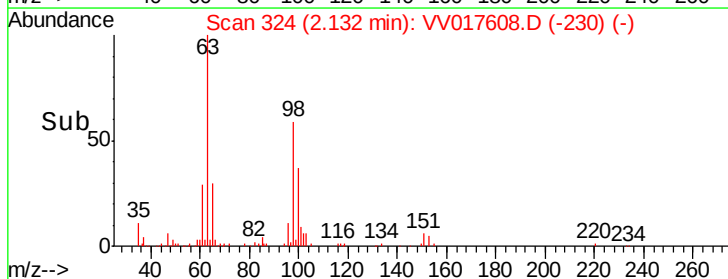
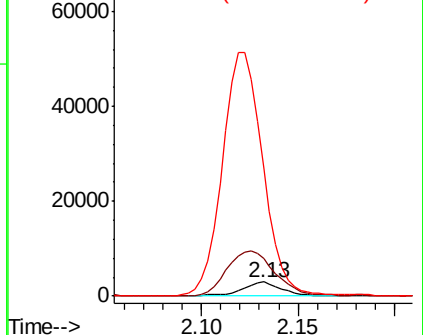
63 913.6 91.2 169.4#

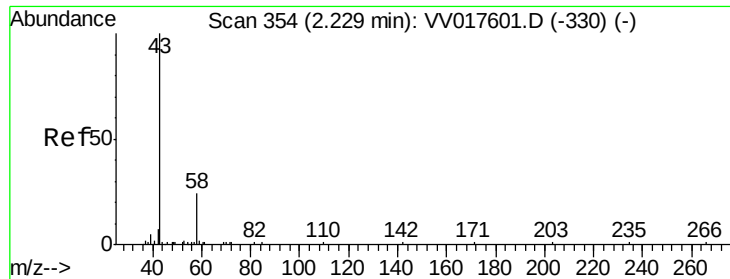


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.811 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

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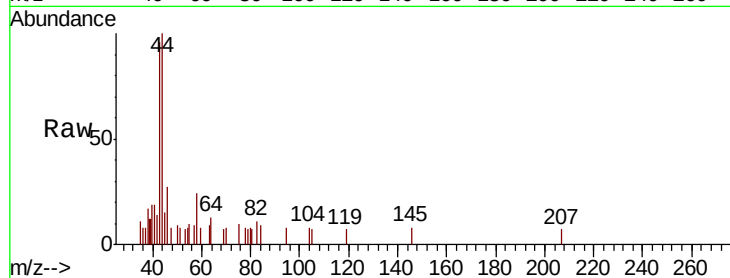
MDL03

Tot Ion: 43 Resp: 3234

Ion Ratio Lower Upper

43 100

58 14.9 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

1500

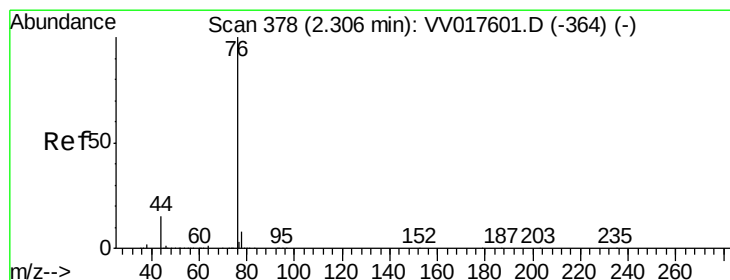
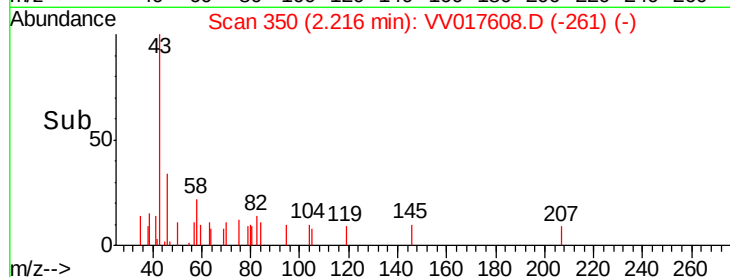
1000

500

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.337 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017608.D

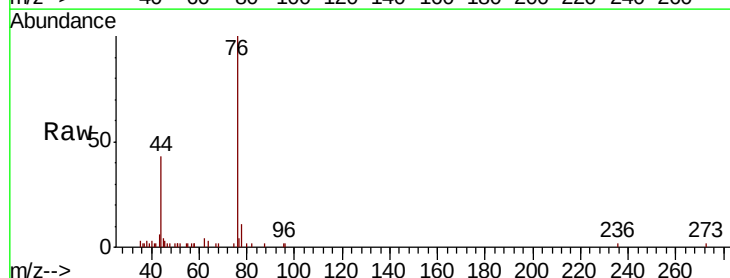
Acq: 23 Jul 2020 17:03

Tgt Ion: 76 Resp: 11000

Ion Ratio Lower Upper

76 100

78 11.3 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

8000

6000

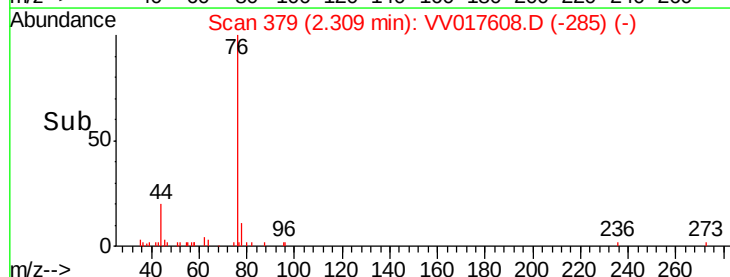
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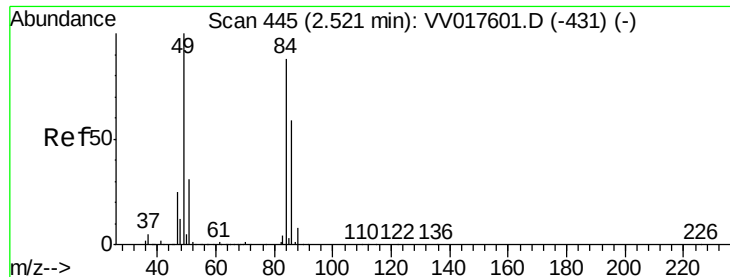
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0

2.25 2.30 2.35

Time-->

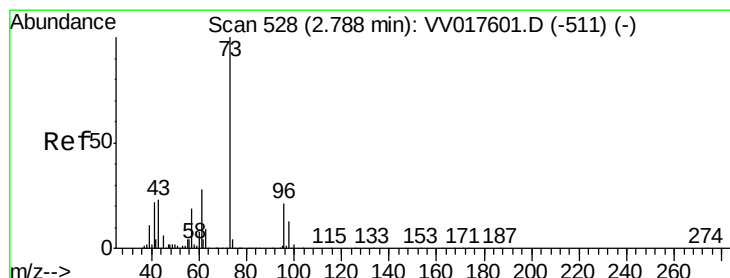
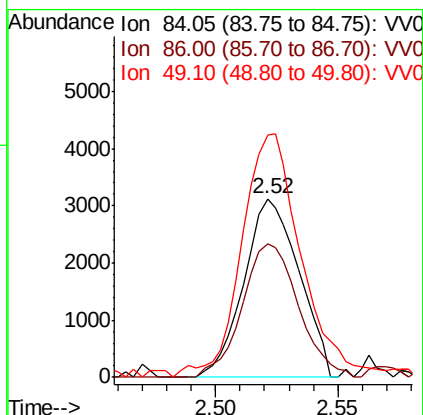
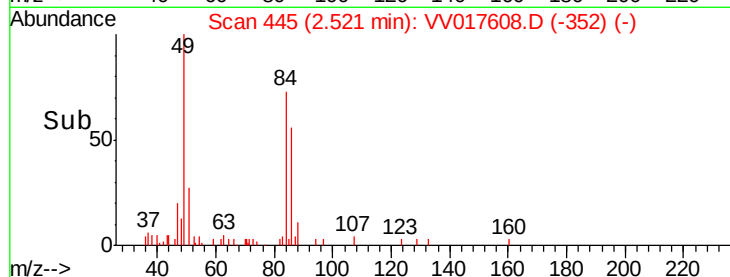
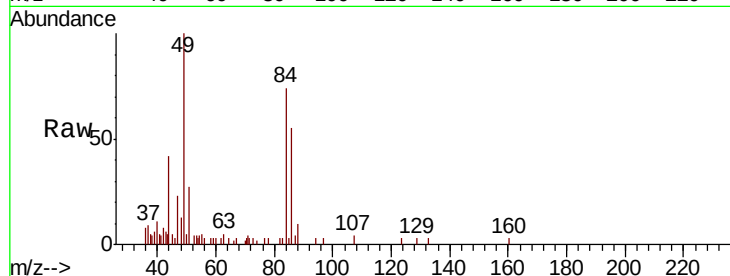




#16
Methylene chloride
Concen: 0.409 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:03

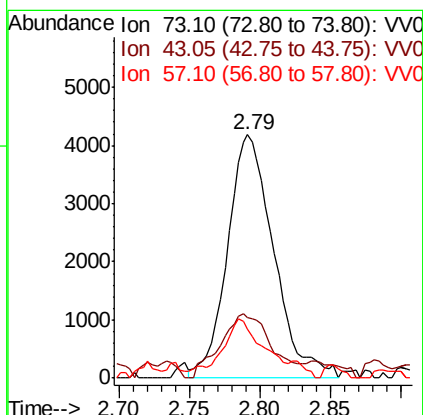
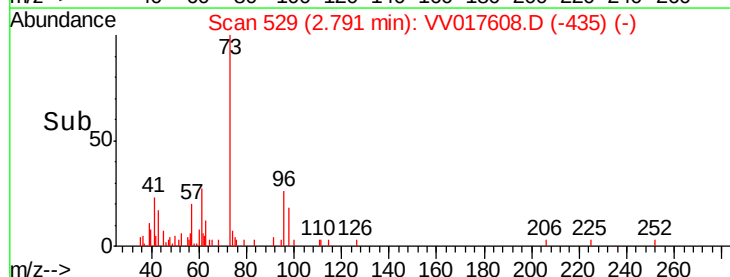
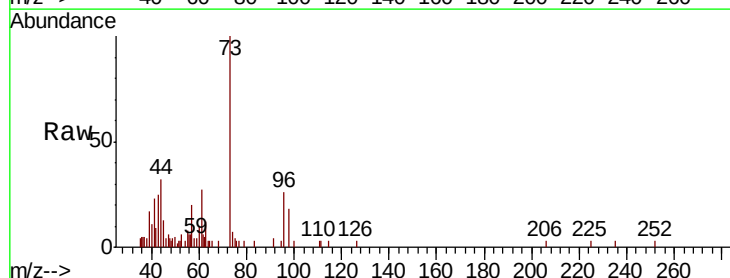
Instrument :
MSVOA_V
ClientSampled :
MDL03

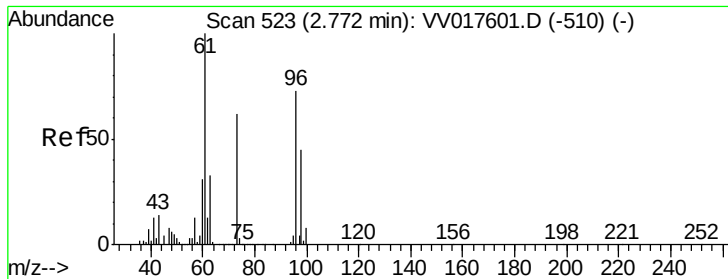
Tot Ion: 84 Resp: 4892
Ion Ratio Lower Upper
84 100
86 74.7 46.5 86.3
49 135.9 79.2 147.2



#17
Methyl tert-butyl Ether
Concen: 0.348 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:03

Tgt Ion: 73 Resp: 9596
Ion Ratio Lower Upper
73 100
43 29.2 18.3 27.5#
57 16.9 16.7 25.1





#18

trans-1,2-Dichloroethene

Concen: 0.359 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

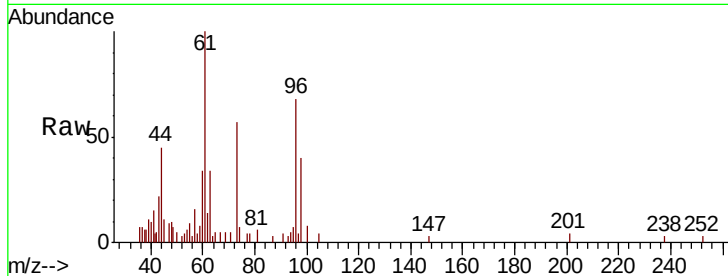
Tot Ion: 96 Resp: 4201

Ion Ratio Lower Upper

96 100

61 147.4 96.0 178.4

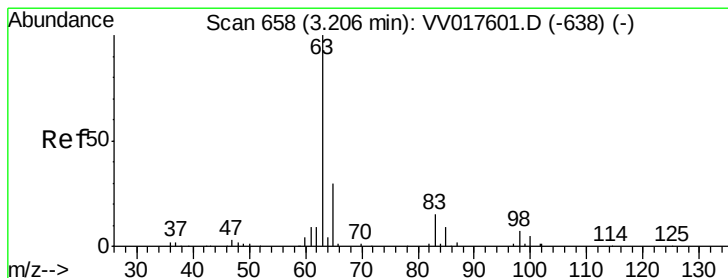
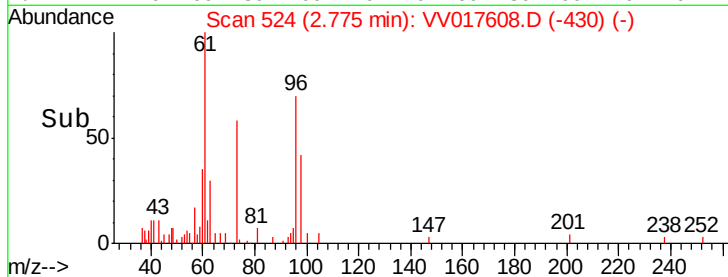
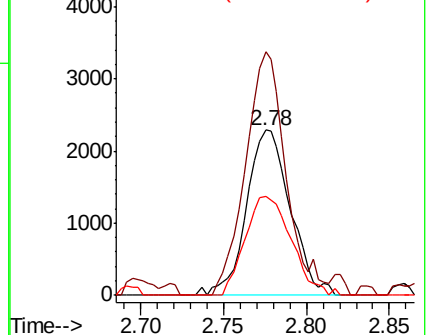
98 59.6 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.325 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

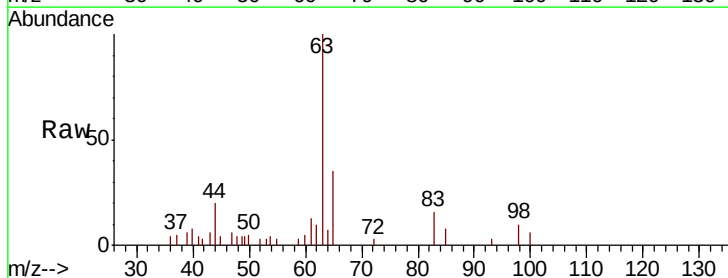
Tgt Ion: 63 Resp: 7994

Ion Ratio Lower Upper

63 100

65 35.0 21.4 39.8

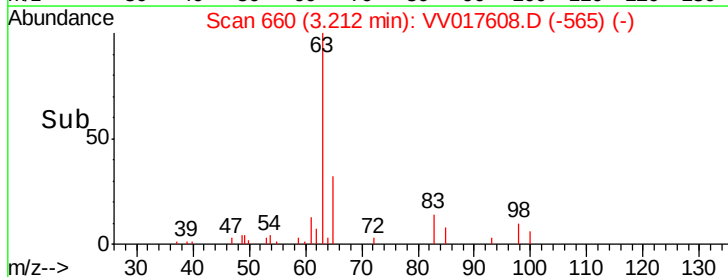
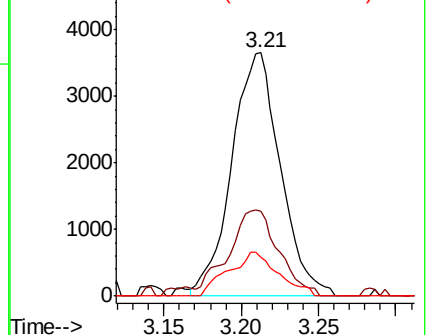
83 16.2 10.4 19.4

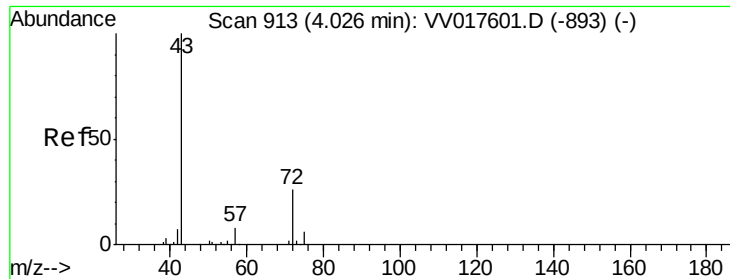


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 1.992 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.02 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

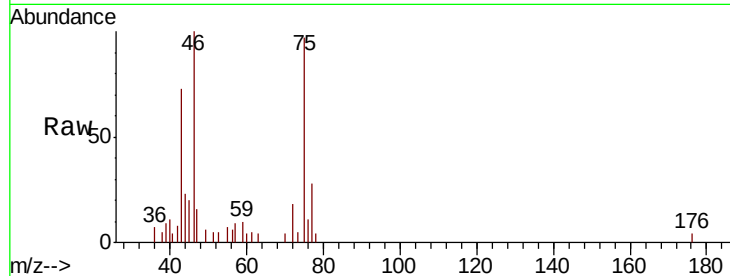
MDL03

Tot Ion: 43 Resp: 6004

Ion Ratio Lower Upper

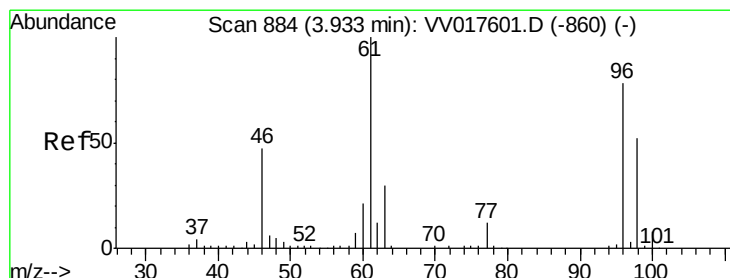
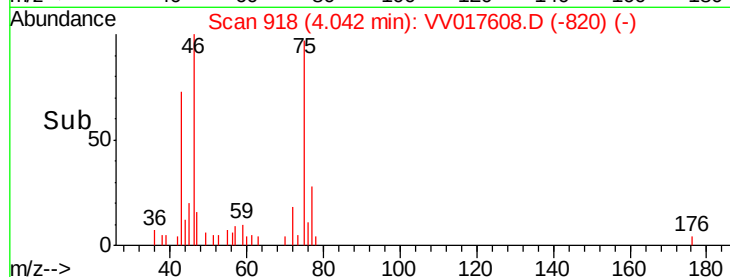
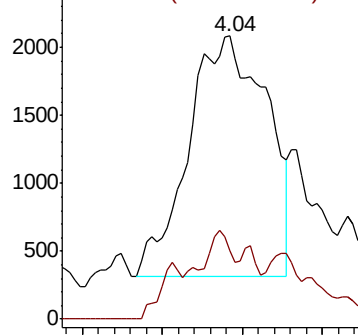
43 100

72 15.2 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.329 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

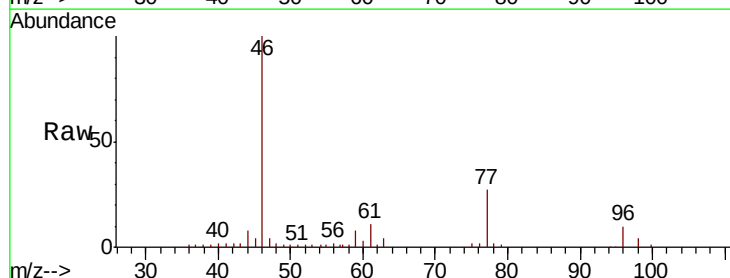
Tgt Ion: 96 Resp: 4859

Ion Ratio Lower Upper

96 100

61 112.1 89.6 166.4

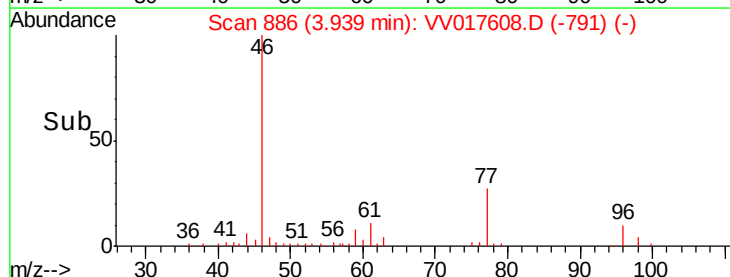
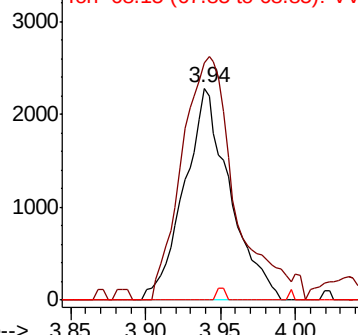
68 0.0 0.0 0.0

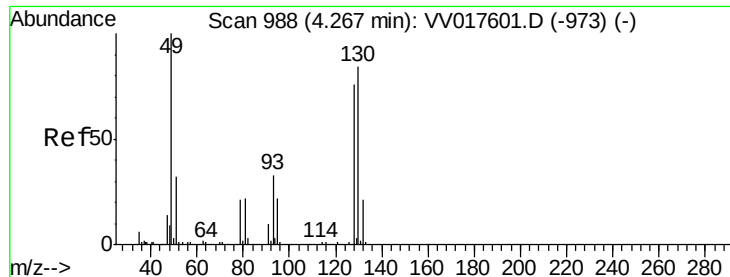


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.372 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:128 Resp: 2532

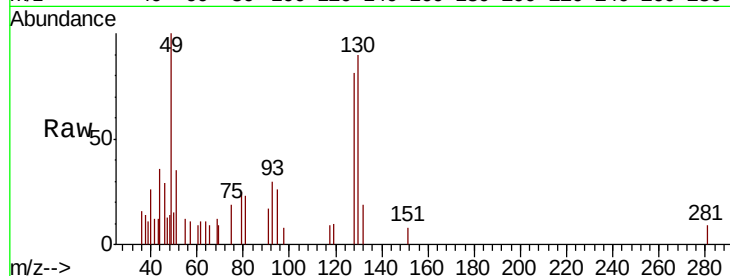
Ion Ratio Lower Upper

128 100

49 124.1 92.2 171.2

130 112.1 77.2 143.4

51 43.4 33.8 50.6

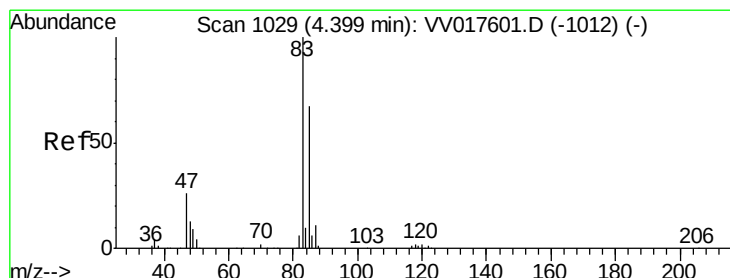
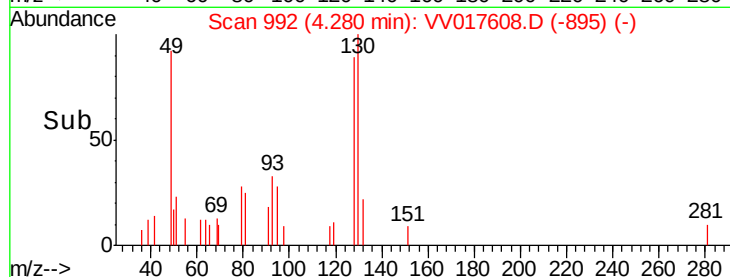
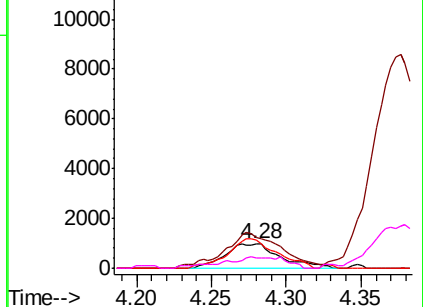


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.361 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV017608.D

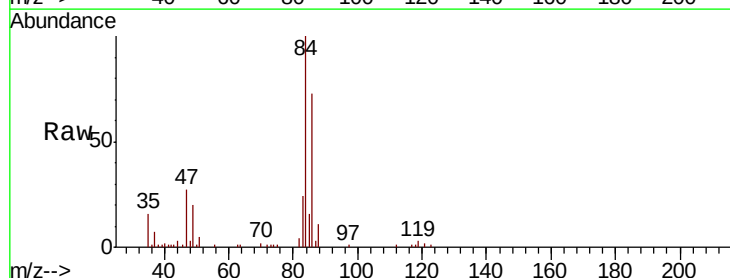
Acq: 23 Jul 2020 17:03

Tgt Ion: 83 Resp: 9989

Ion Ratio Lower Upper

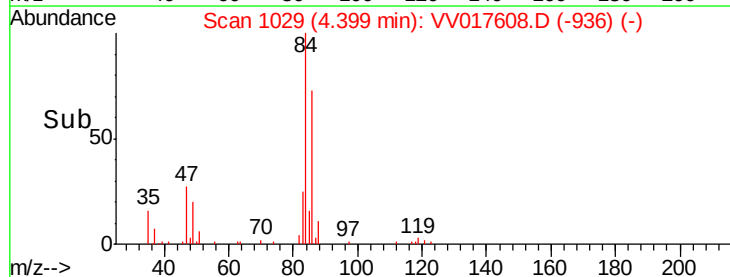
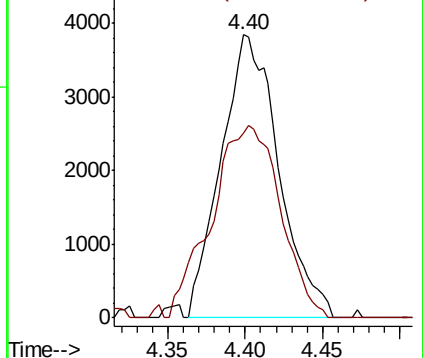
83 100

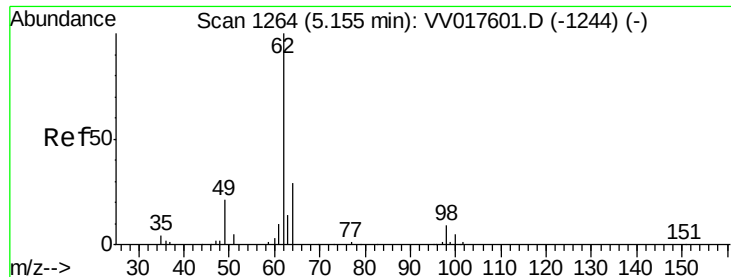
85 65.4 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.346 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

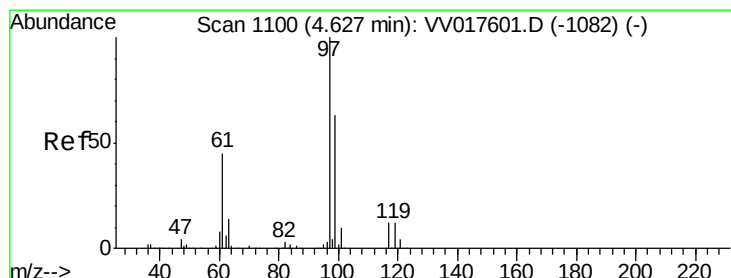
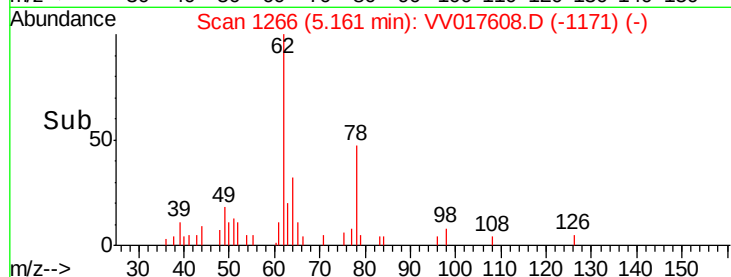
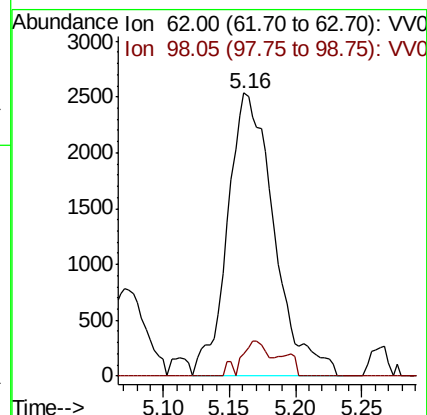
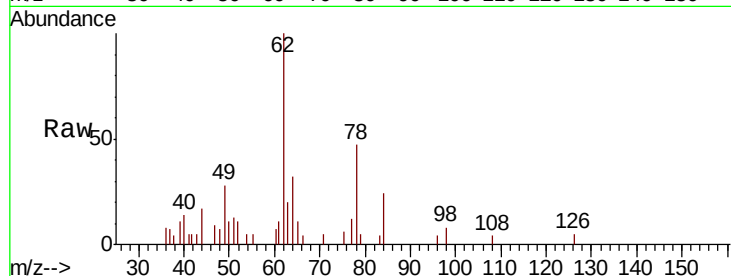
MDL03

Tot Ion: 62 Resp: 6196

Ion Ratio Lower Upper

62 100

98 7.7 7.0 10.6



#29

1,1,1-Trichloroethane

Concen: 0.316 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

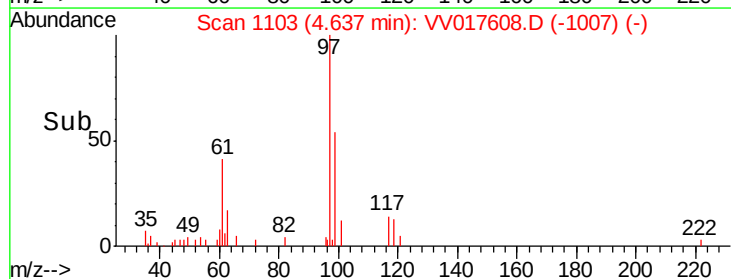
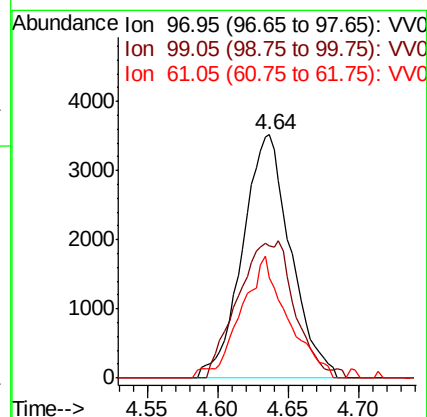
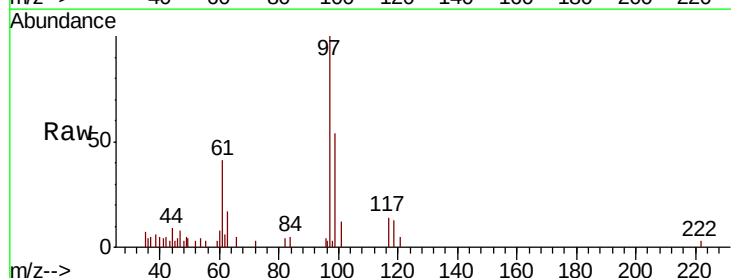
Tgt Ion: 97 Resp: 8387

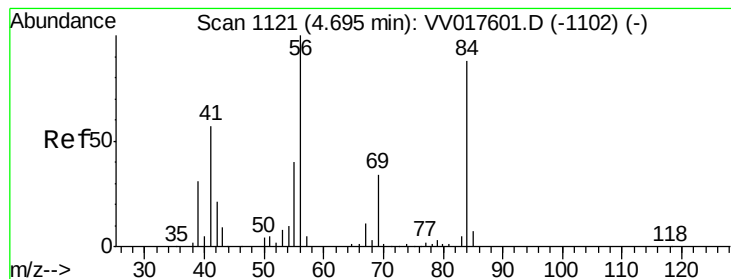
Ion Ratio Lower Upper

97 100

99 65.6 50.6 76.0

61 48.7 35.7 53.5





#30

Cyclohexane

Concen: 0.313 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

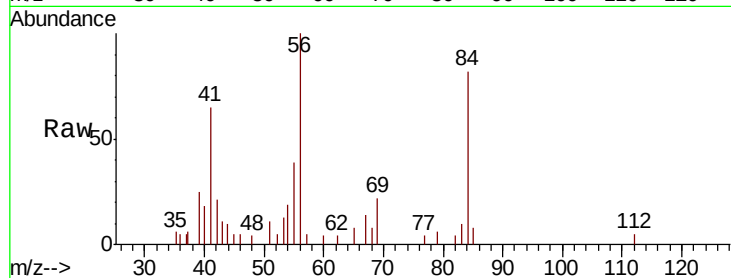
Tot Ion: 56 Resp: 6572

Ion Ratio Lower Upper

56 100

69 16.6 25.4 38.2#

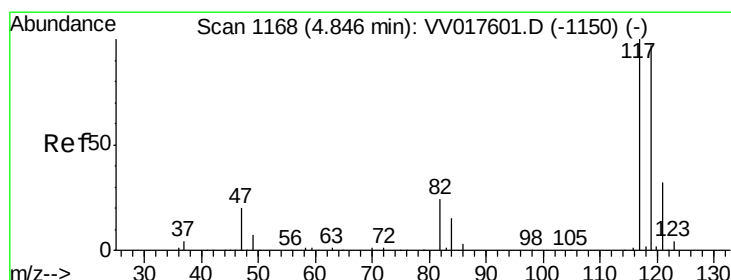
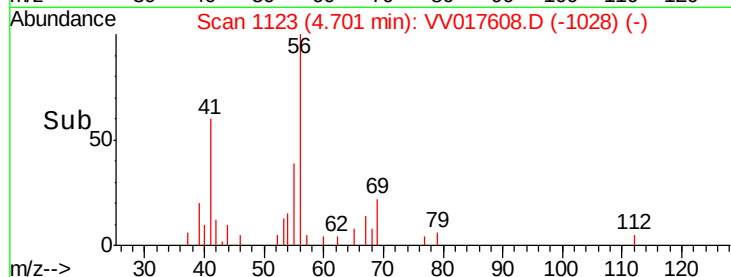
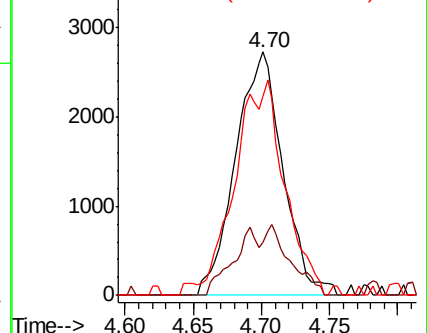
84 0.0 73.0 109.4#



Abundance Ion 56.10 (55.80 to 56.80): VV017608.D (-1028) (-)

Ion 69.15 (68.85 to 69.85): VV017608.D (-1028) (-)

Ion 84.15 (83.85 to 84.85): VV017608.D (-1028) (-)



#31

Carbon tetrachloride

Concen: 0.334 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VV017608.D

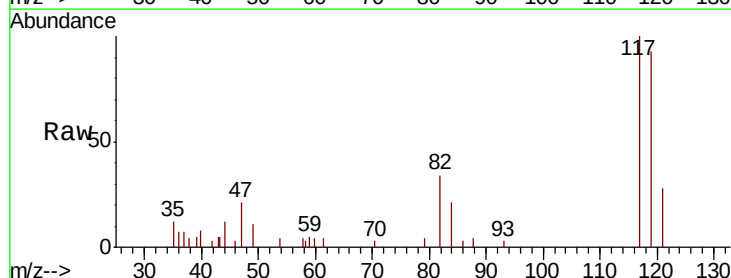
Acq: 23 Jul 2020 17:03

Tgt Ion: 117 Resp: 7878

Ion Ratio Lower Upper

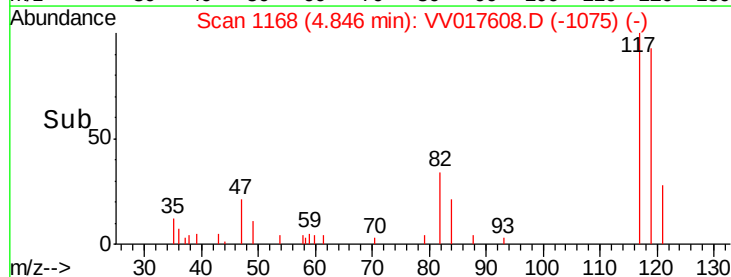
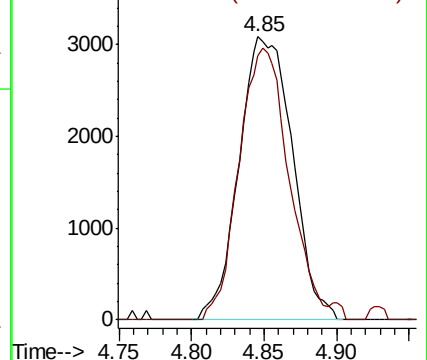
117 100

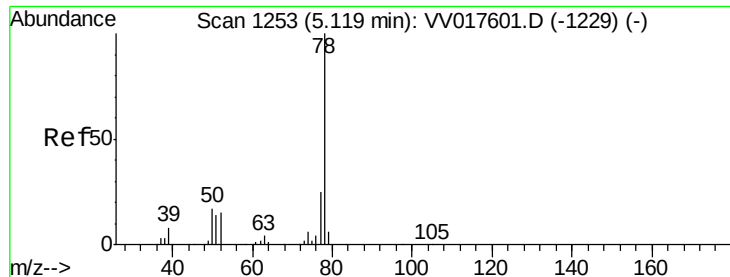
119 90.0 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): VV017608.D (-1075) (-)

Ion 118.90 (118.60 to 119.60): VV017608.D (-1075) (-)





#33

Benzene

Concen: 0.332 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

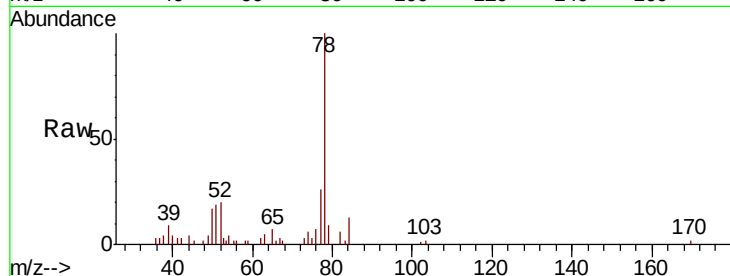
Instrument :

MSVOA_V

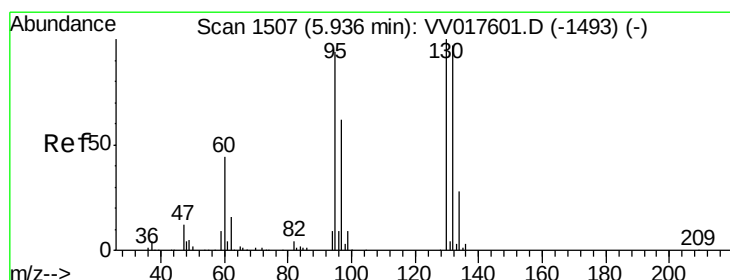
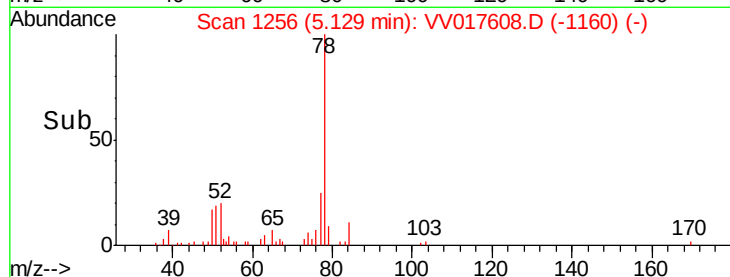
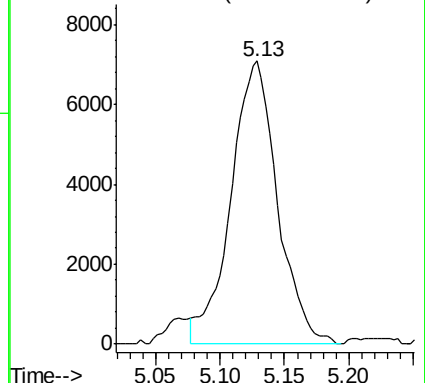
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 17820



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.331 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Tgt Ion: 95 Resp: 4966

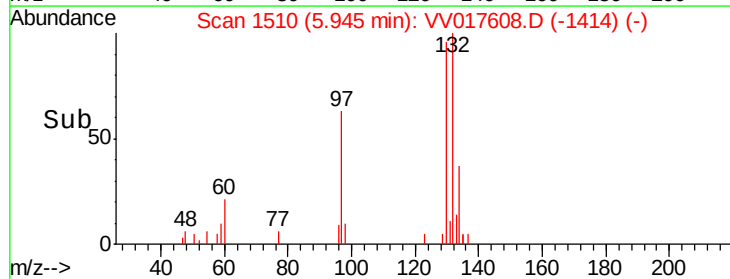
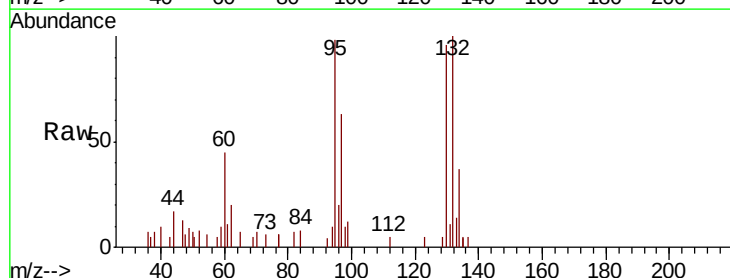
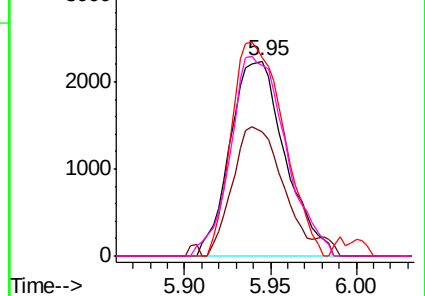
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.1	85.5
132	102.0	71.7	133.1
130	97.8	74.3	137.9

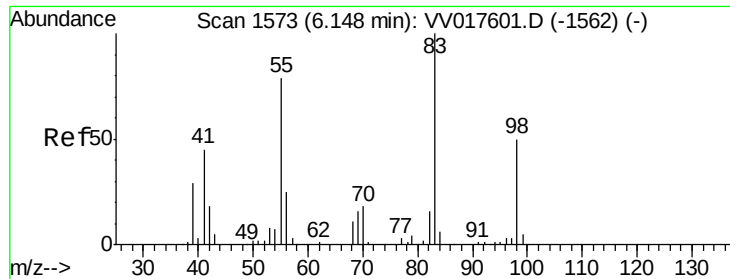
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

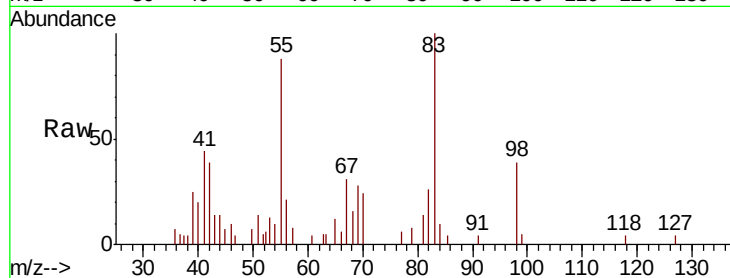




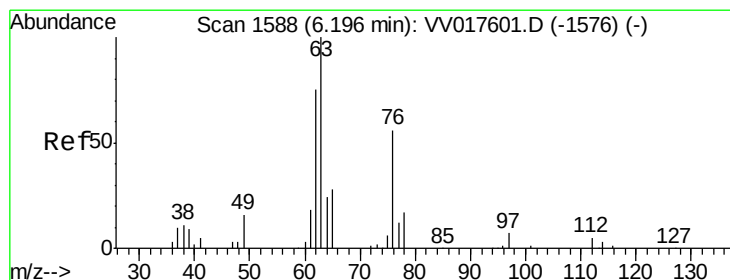
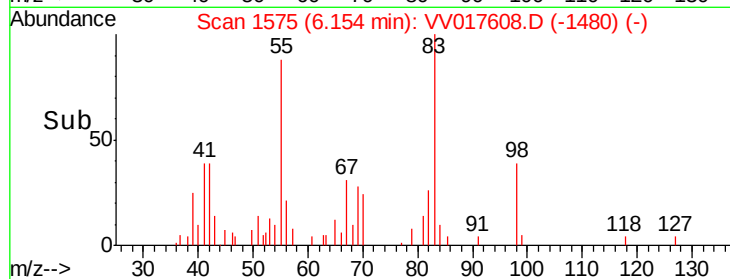
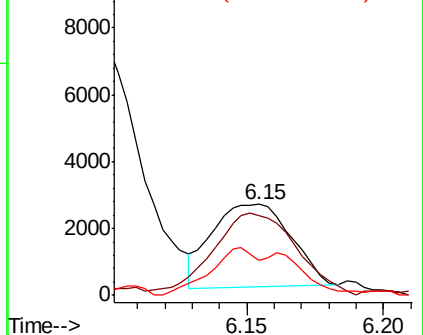
#35
Methylvlcyclohexane
Concen: 0.221 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 5011
Ion Ratio Lower Upper
83 100
55 105.1 61.8 92.8#
98 34.0 39.0 58.6#

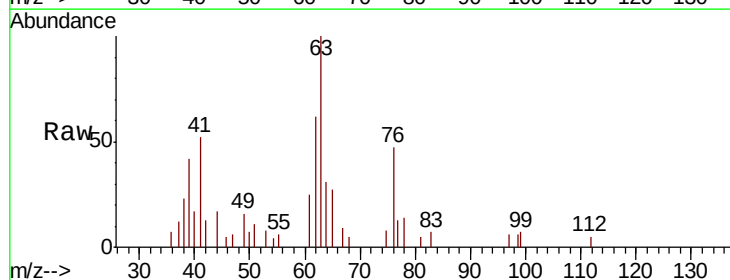


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

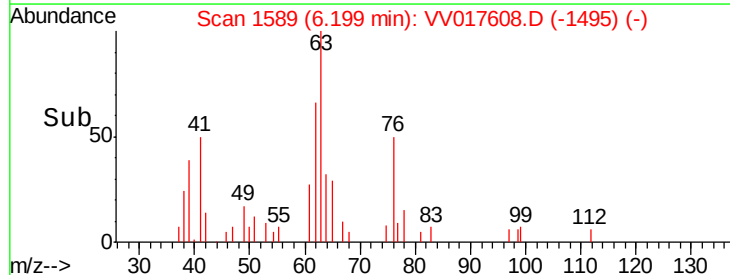
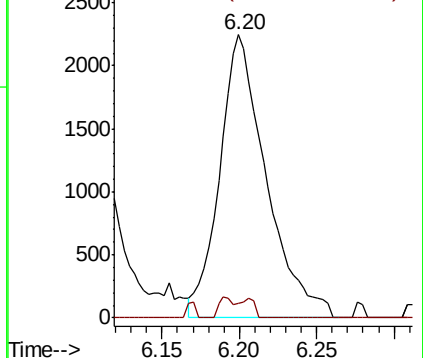


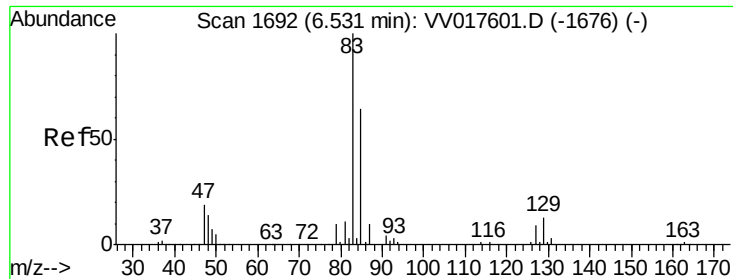
#37
1,2-Dichloropropane
Concen: 0.372 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:03

Tgt Ion: 63 Resp: 4689
Ion Ratio Lower Upper
63 100
112 1.7 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.339 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

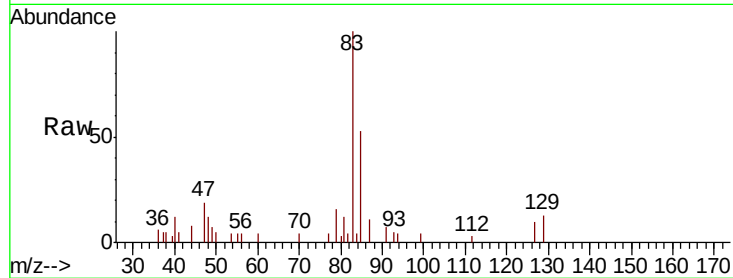
Tot Ion: 83 Resp: 6298

Ion Ratio Lower Upper

83 100

85 53.3 44.7 83.1

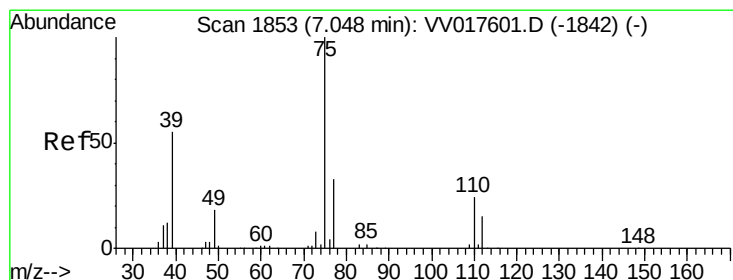
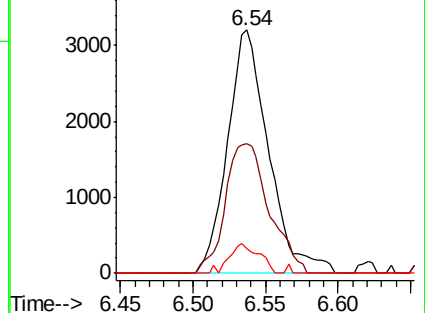
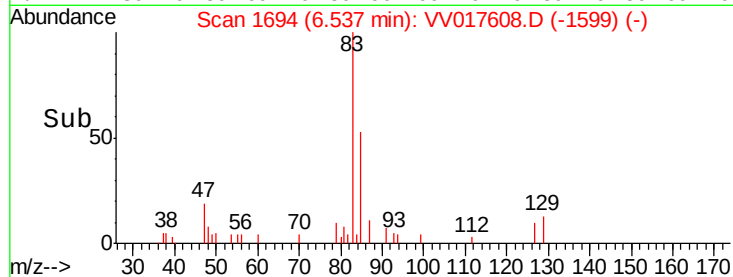
127 10.4 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.344 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV017608.D

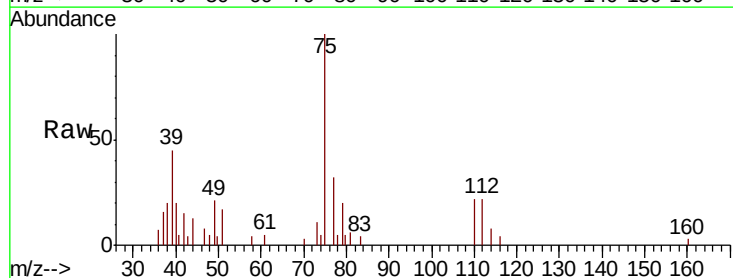
Acq: 23 Jul 2020 17:03

Tgt Ion: 75 Resp: 6542

Ion Ratio Lower Upper

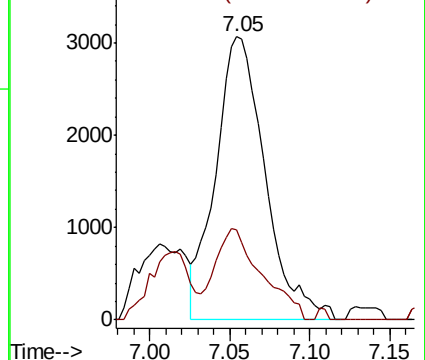
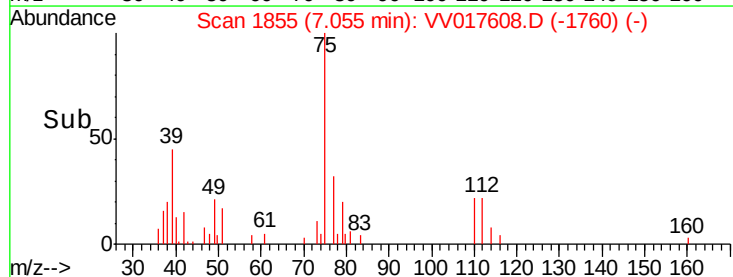
75 100

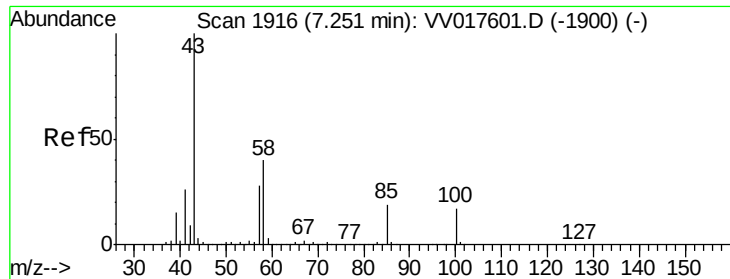
77 31.7 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

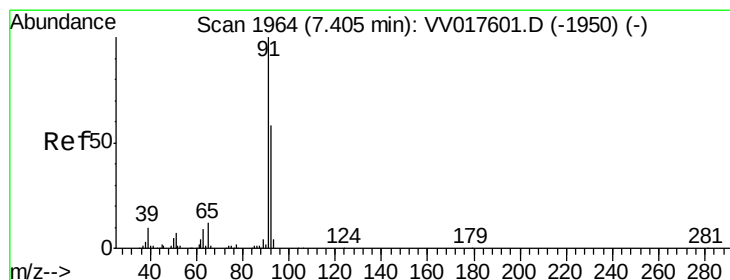
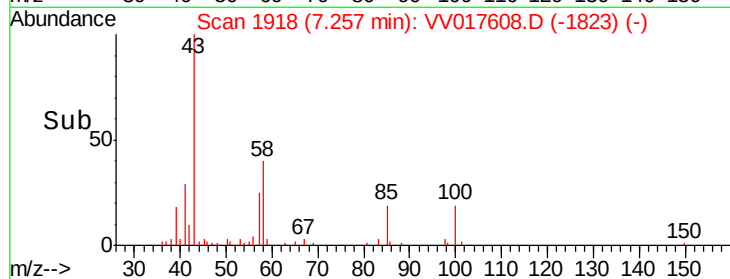
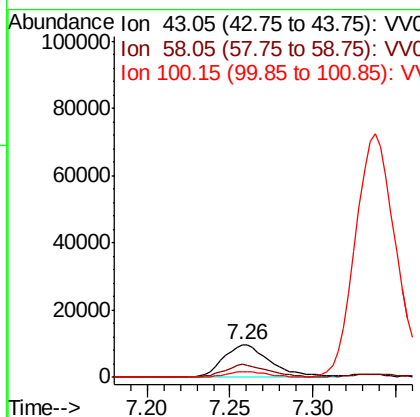
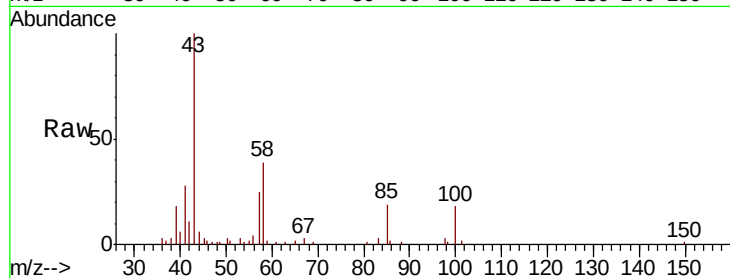




#40
4-Methyl-2-pentanone
Concen: 2.715 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:03

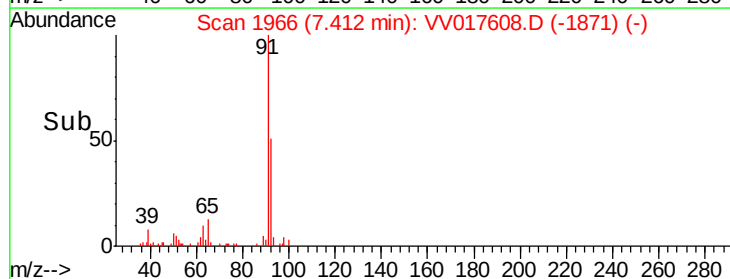
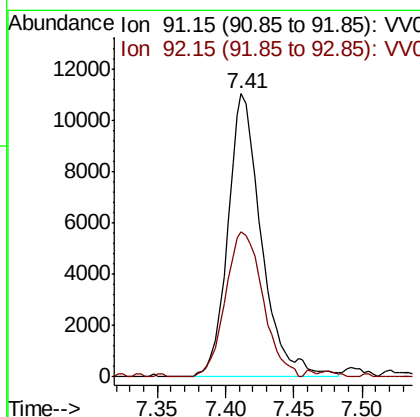
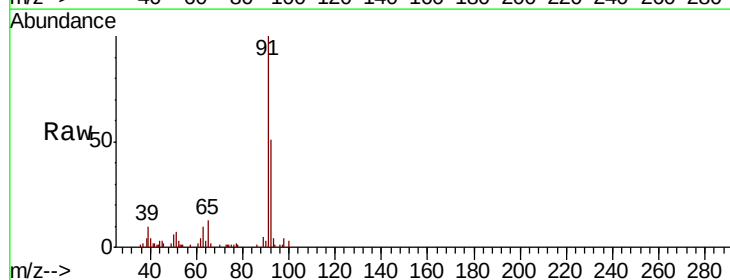
Instrument :
MSVOA_V
ClientSampleId :
MDL03

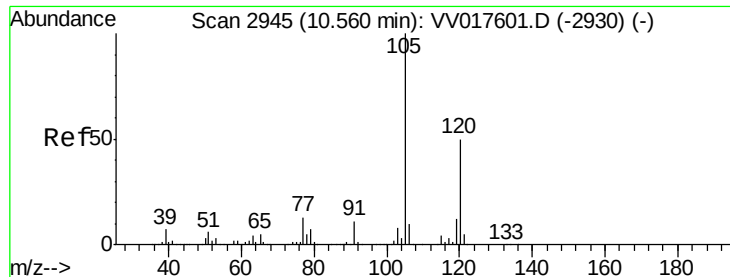
Tot Ion: 43 Resp: 18780
Ion Ratio Lower Upper
43 100
58 37.6 31.2 46.8
100 0.0 13.6 20.4#



#42
Toluene
Concen: 0.322 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:03

Tgt Ion: 91 Resp: 18834
Ion Ratio Lower Upper
91 100
92 51.2 40.8 75.8





#43

1,3,5-Trimethylbenzene

Concen: 0.254 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

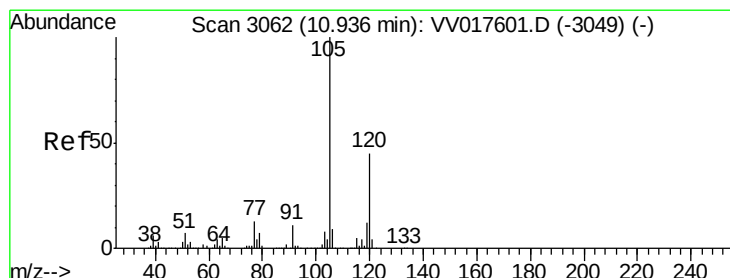
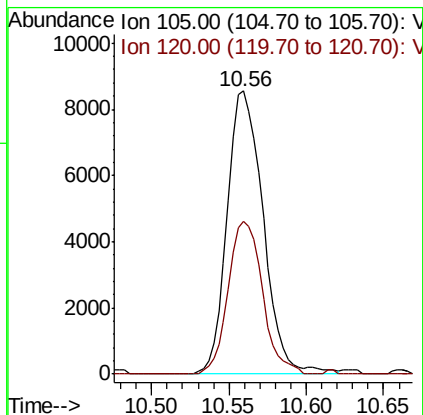
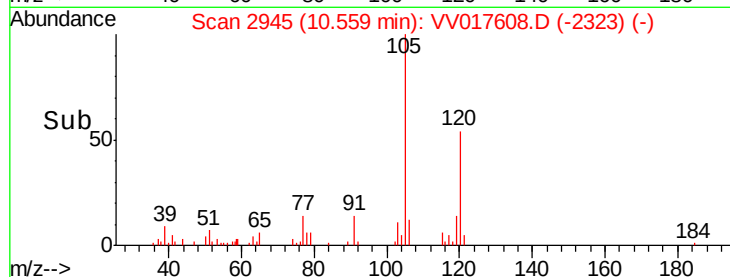
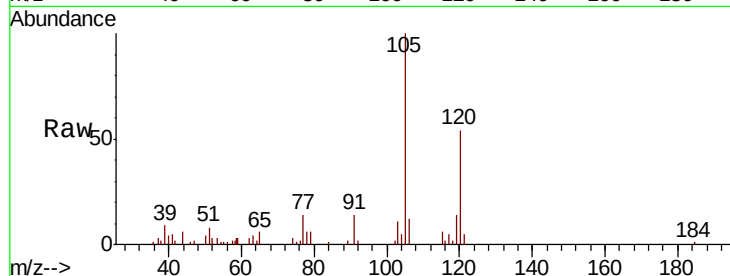
MDL03

Tot Ion:105 Resp: 13861

Ion Ratio Lower Upper

105 100

120 51.1 39.4 59.2



#44

1,2,4-Trimethylbenzene

Concen: 0.249 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017608.D

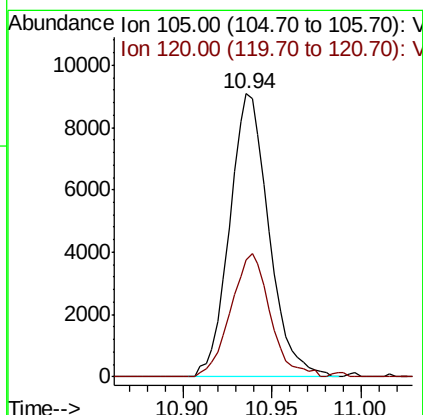
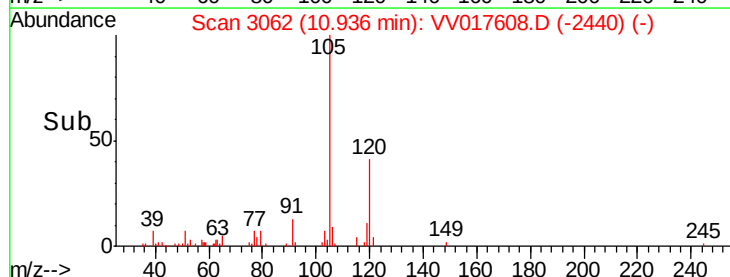
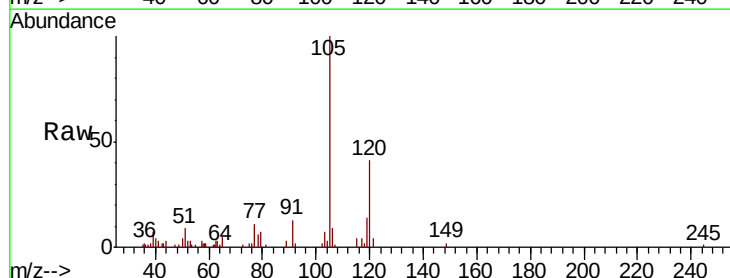
Acq: 23 Jul 2020 17:03

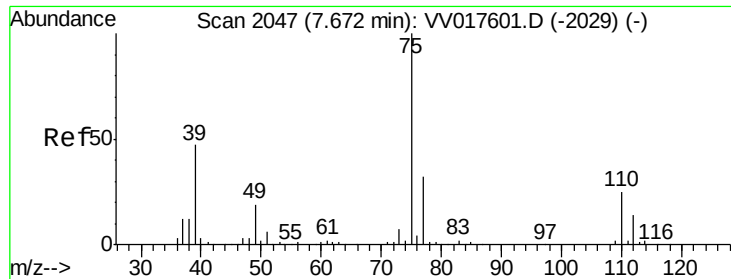
Tgt Ion:105 Resp: 13932

Ion Ratio Lower Upper

105 100

120 43.8 35.9 53.9





#46

trans-1,3-Dichloropropene

Concen: 0.387 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

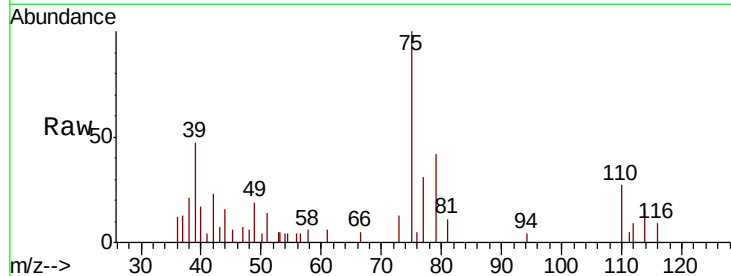
MDL03

Tot Ion: 75 Resp: 6611

Ion Ratio Lower Upper

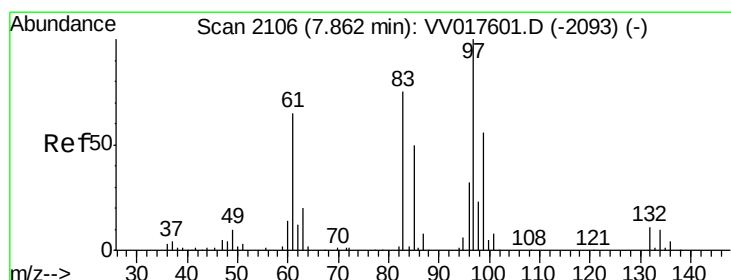
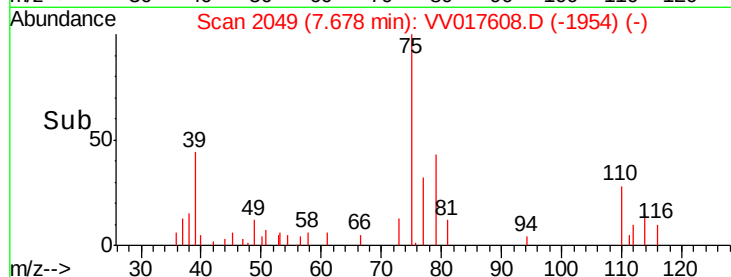
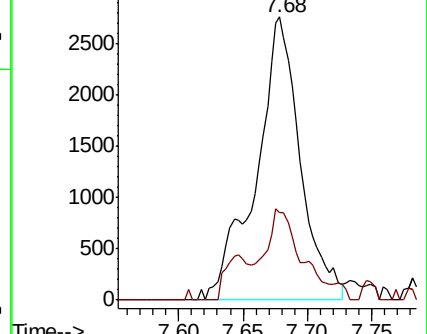
75 100

77 30.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.312 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Tgt Ion: 97 Resp: 2982

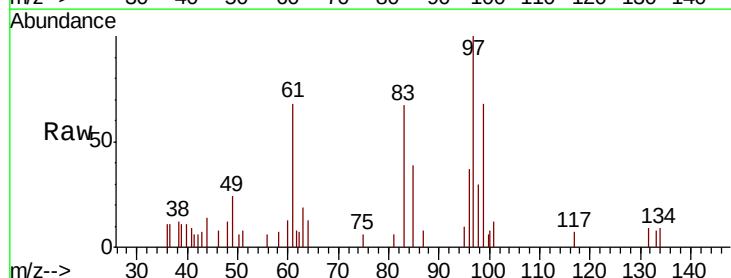
Ion Ratio Lower Upper

97 100

99 68.3 39.5 73.4

83 67.0 52.6 97.6

85 38.7 35.1 65.1

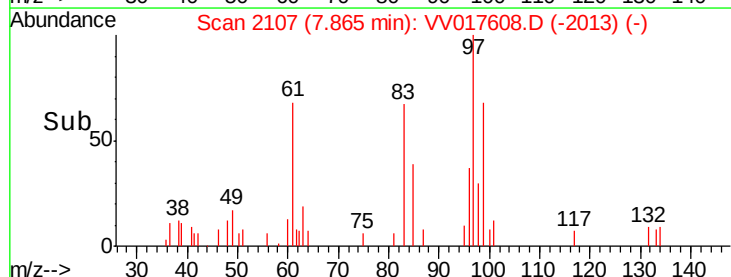
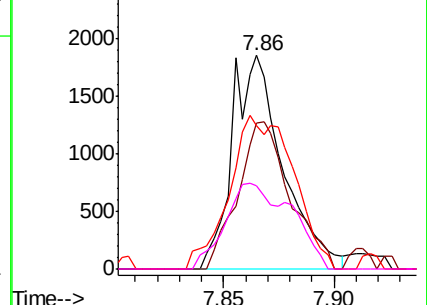


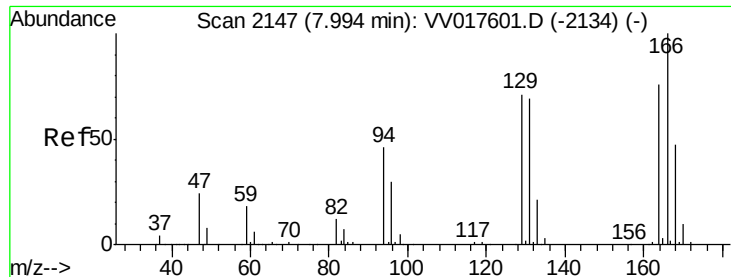
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 0.282 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion:164 Resp: 3724

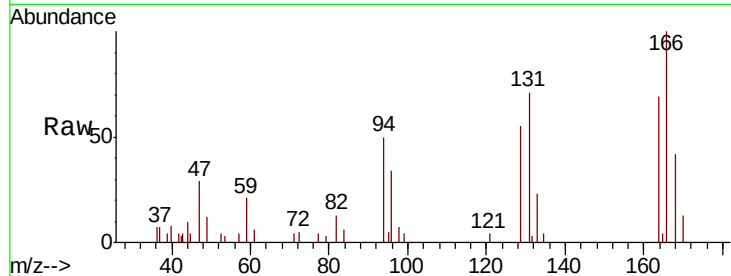
Ion Ratio Lower Upper

164 100

129 80.2 65.0 120.8

131 107.9 63.6 118.2

166 145.4 91.7 170.3

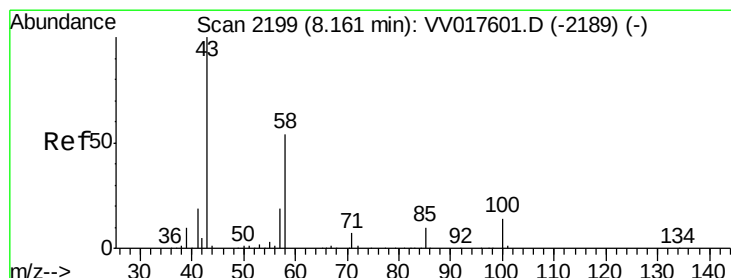
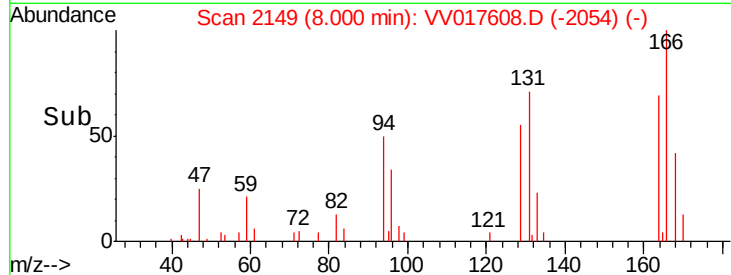
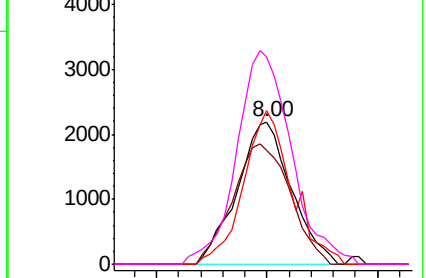


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 4.224 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Tgt Ion: 43 Resp: 20673

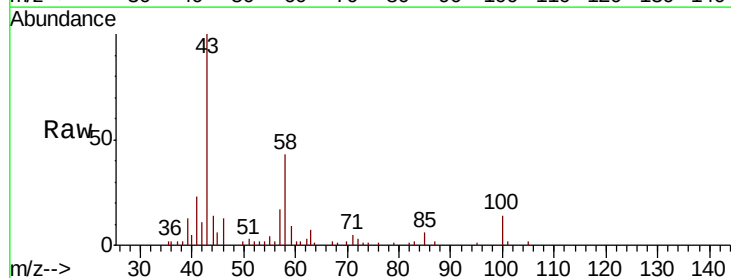
Ion Ratio Lower Upper

43 100

58 47.6 41.6 62.4

57 17.3 15.4 23.0

100 13.4 11.2 16.8

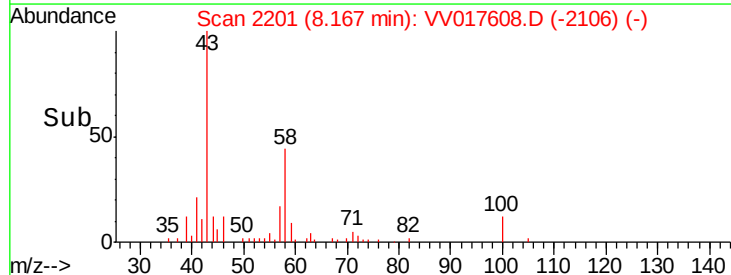
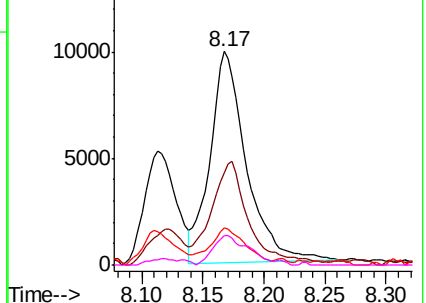


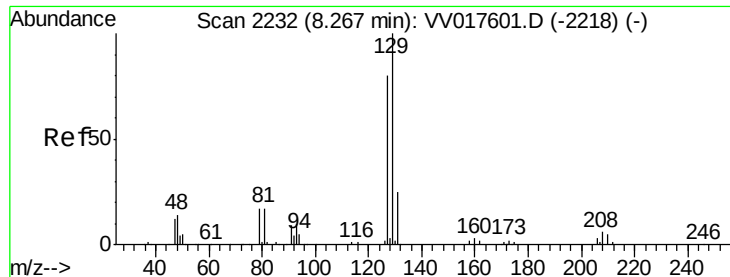
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 0.303 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

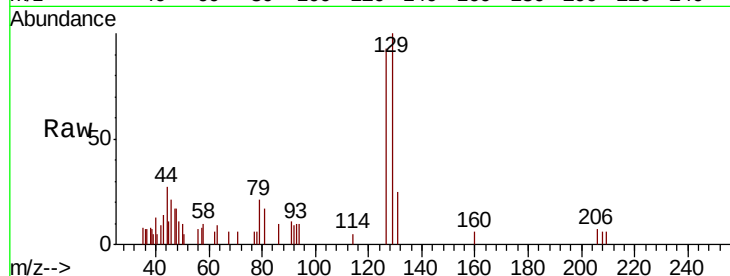
MDL03

Tot Ion:129 Resp: 3689

Ion Ratio Lower Upper

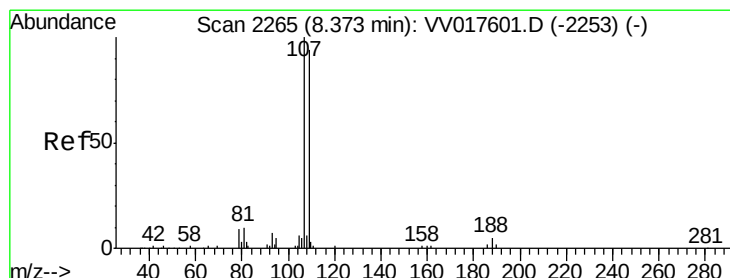
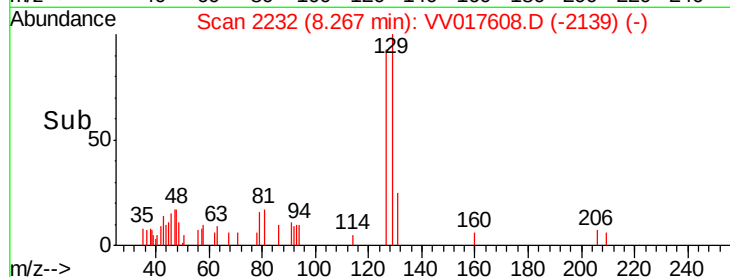
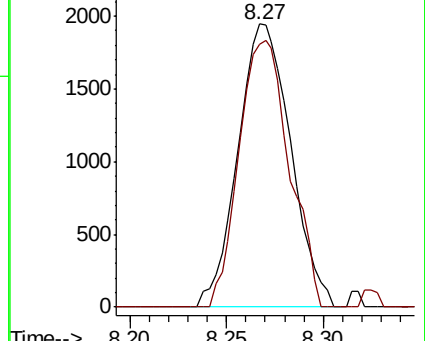
129 100

127 93.0 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

1,2-Dibromoethane

Concen: 0.324 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

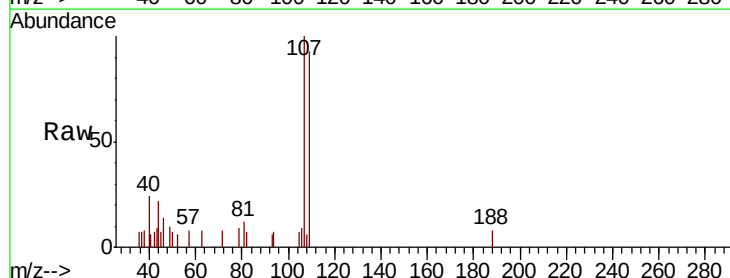
Tgt Ion:107 Resp: 2929

Ion Ratio Lower Upper

107 100

109 92.8 65.5 121.7

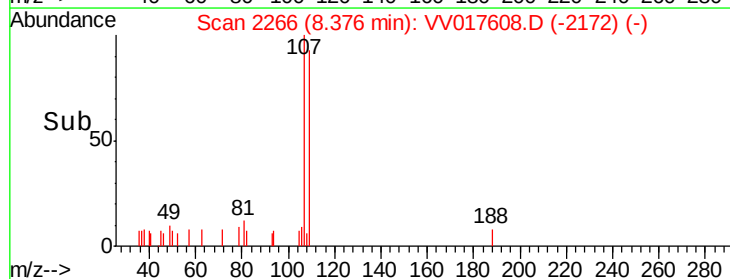
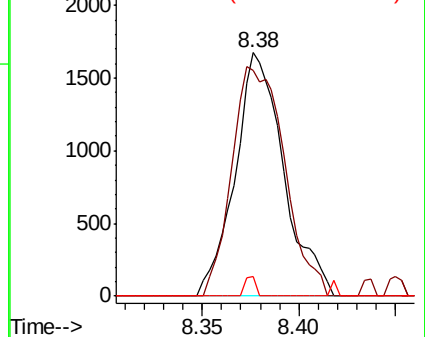
188 7.9 3.7 5.5#

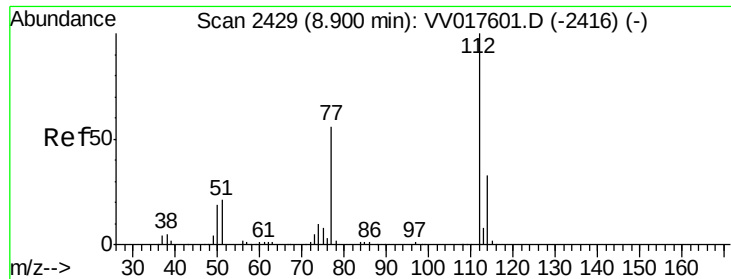


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#53

Chlorobenzene

Concen: 0.332 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

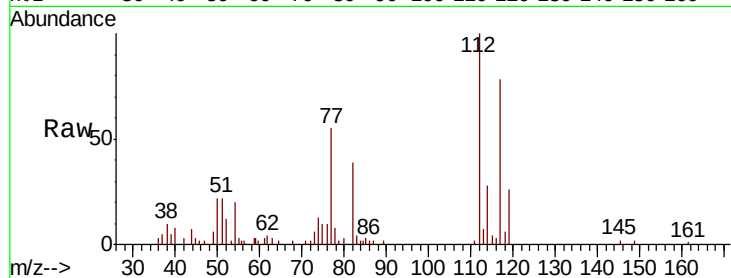
Tot Ion:112 Resp: 12979

Ion Ratio Lower Upper

112 100

114 28.3 23.2 43.2

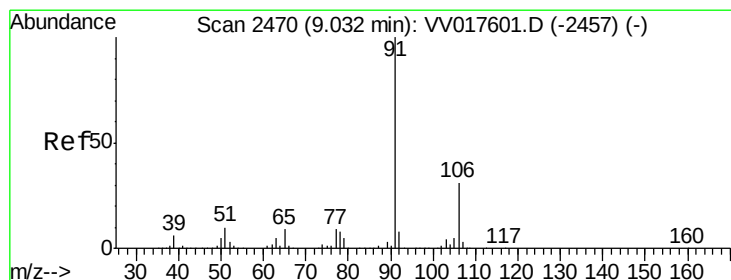
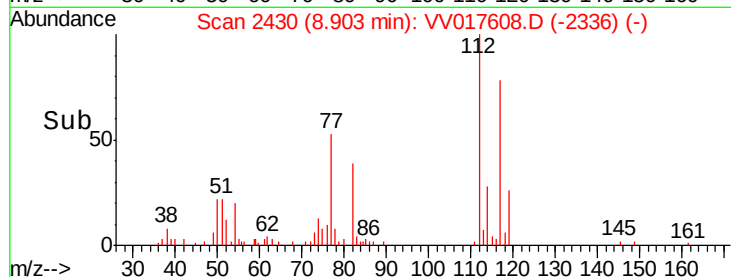
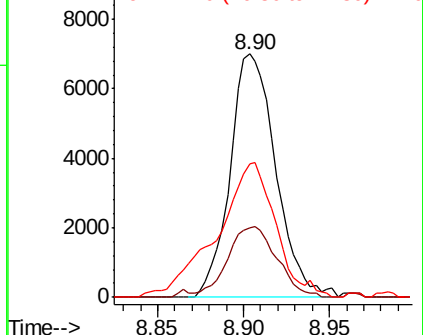
77 55.0 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 0.296 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017608.D

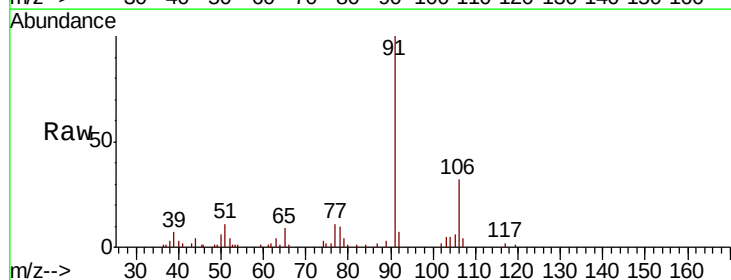
Acq: 23 Jul 2020 17:03

Tgt Ion: 91 Resp: 19435

Ion Ratio Lower Upper

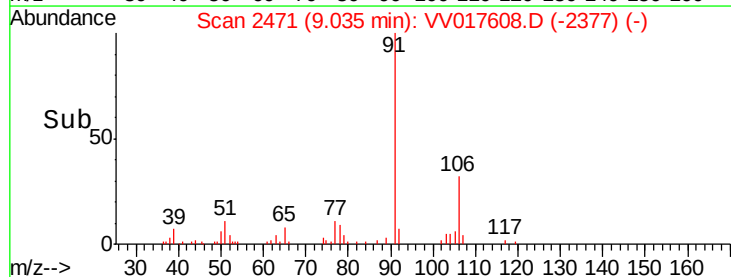
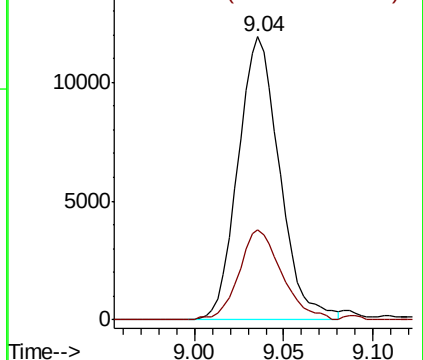
91 100

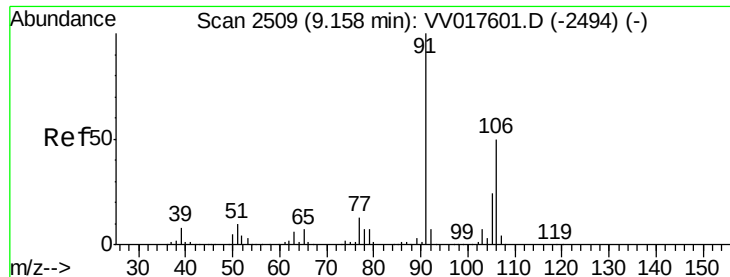
106 31.6 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.269 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

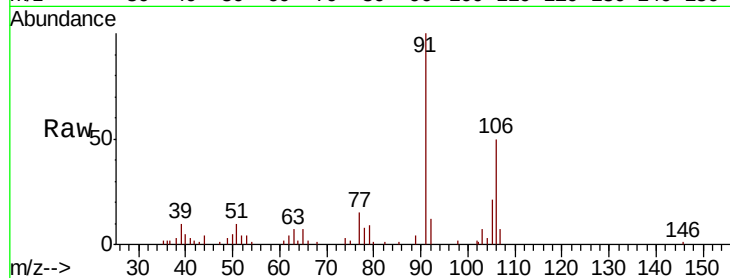
MDL03

Tot Ion:106 Resp: 6653

Ion Ratio Lower Upper

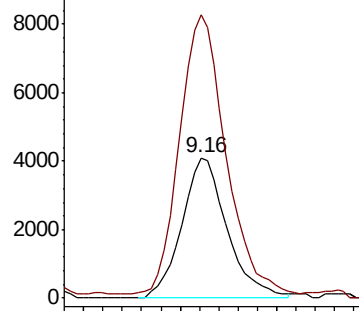
106 100

91 201.5 141.3 262.3

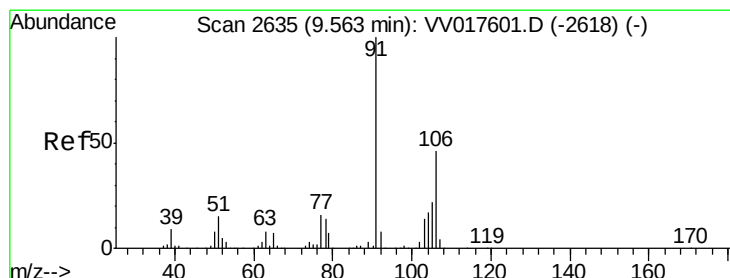
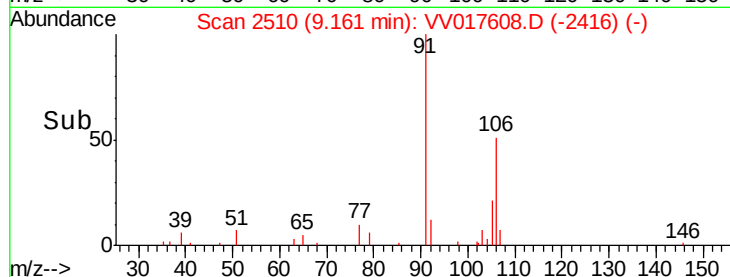


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#56

o-xylene

Concen: 0.289 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017608.D

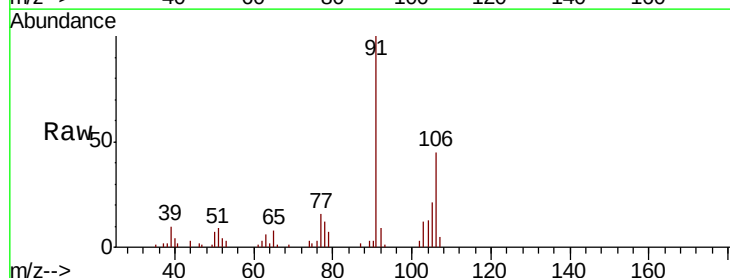
Acq: 23 Jul 2020 17:03

Tgt Ion:106 Resp: 6925

Ion Ratio Lower Upper

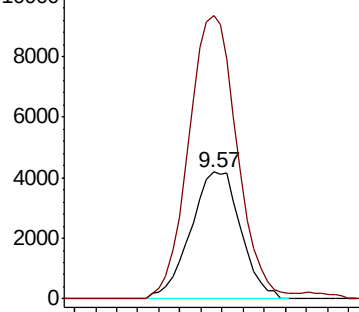
106 100

91 222.8 153.9 285.7

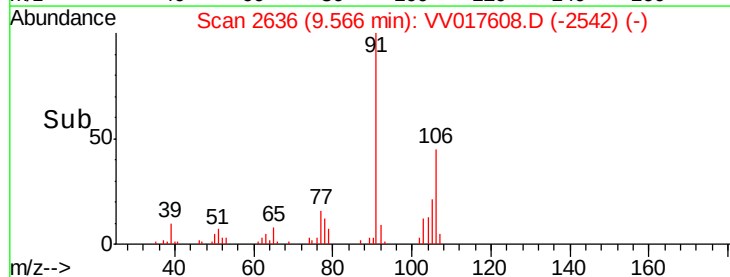


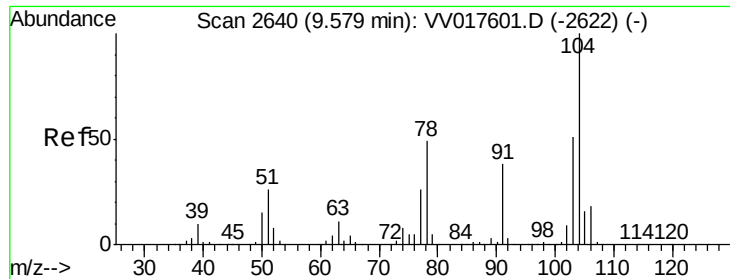
Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->





#57

Stvrene

Concen: 0.256 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

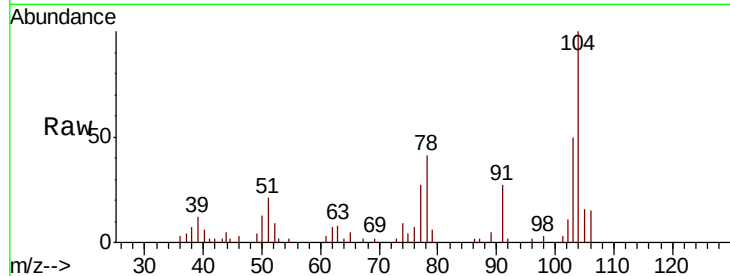
Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:104 Resp: 10251

Ion Ratio Lower Upper

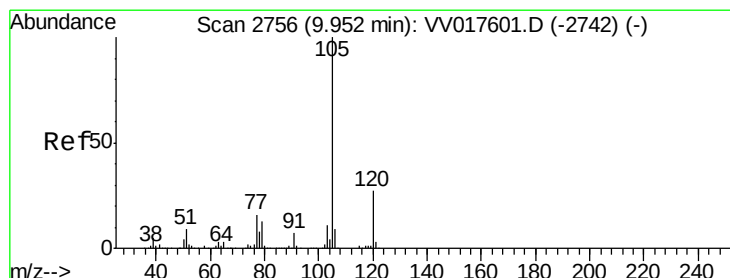
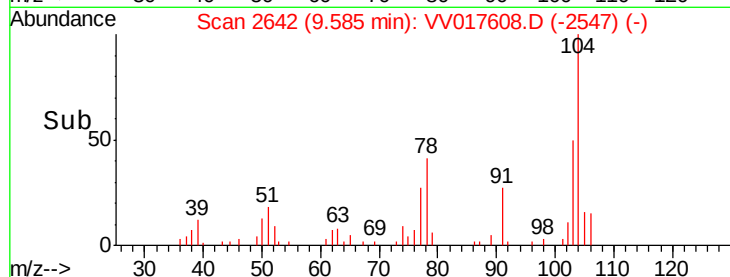
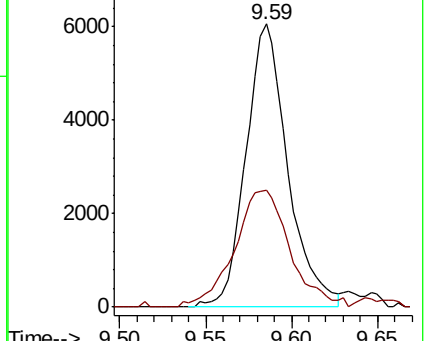
104 100

78 41.2 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.270 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

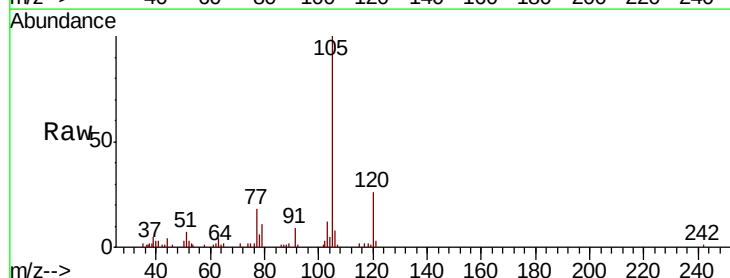
Tgt Ion:105 Resp: 17863

Ion Ratio Lower Upper

105 100

120 27.7 21.1 31.7

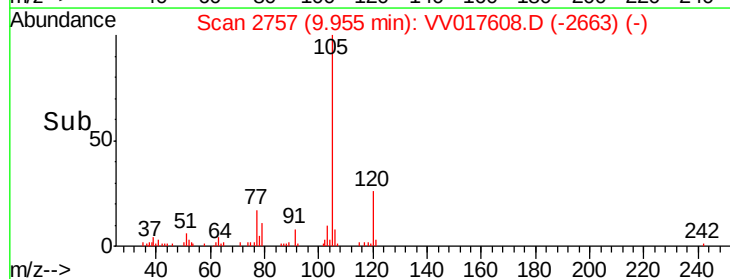
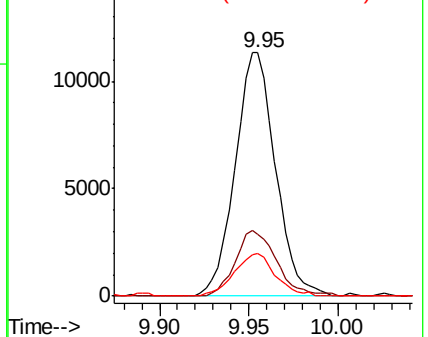
77 17.8 13.0 19.6

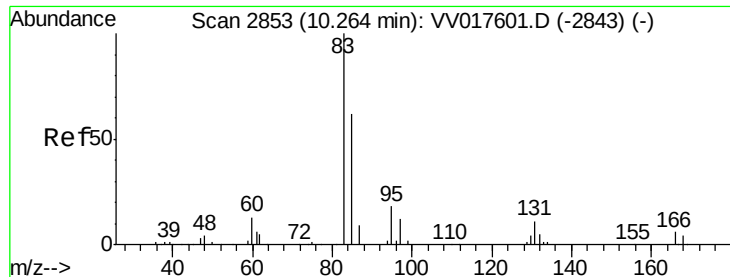


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.298 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

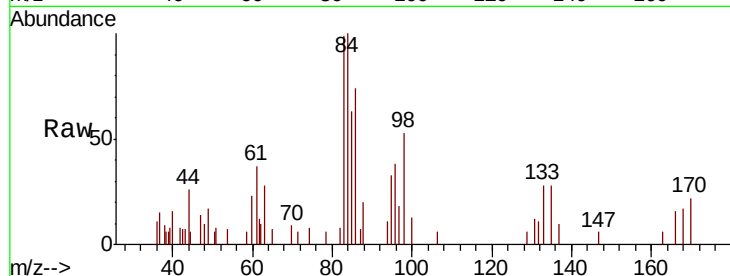
Tot Ion: 83 Resp: 3109

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.5

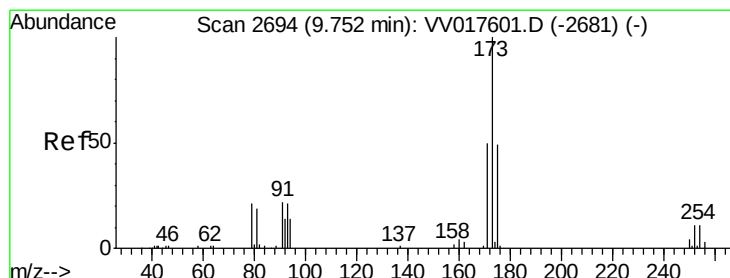
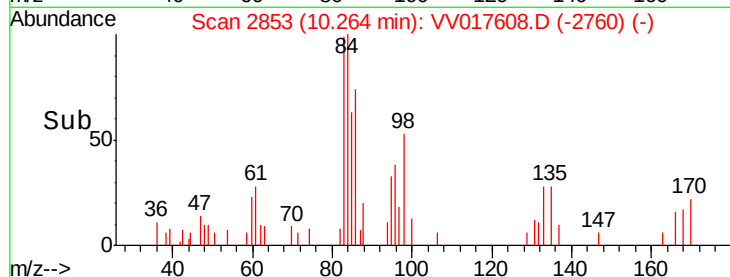
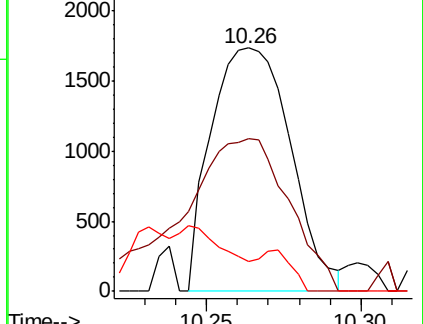
131 12.4 9.2 13.8



Abundance Ion 82.95 (82.65 to 83.65): VV017608.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017608.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017608.D (-2760) (-)



#62

Bromoform

Concen: 0.351 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

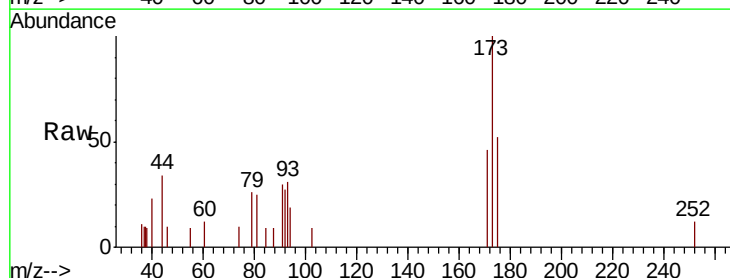
Tgt Ion: 173 Resp: 2158

Ion Ratio Lower Upper

173 100

175 48.1 39.6 59.4

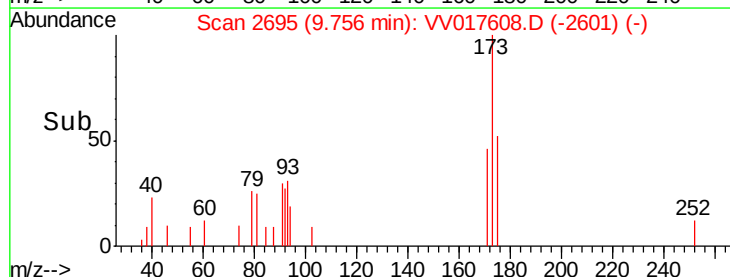
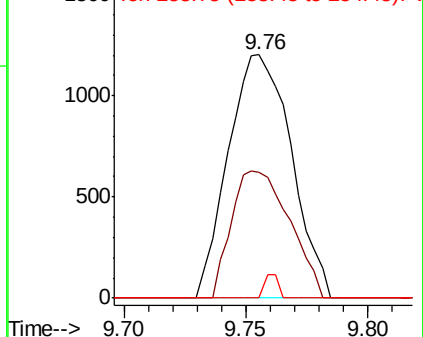
254 2.1 8.4 12.6#

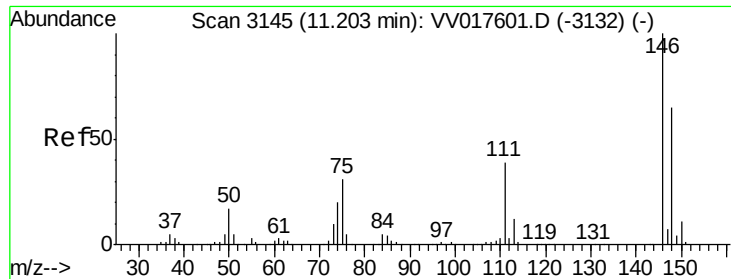


Abundance Ion 172.90 (172.60 to 173.60): VV017608.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV017608.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV017608.D (-2601) (-)

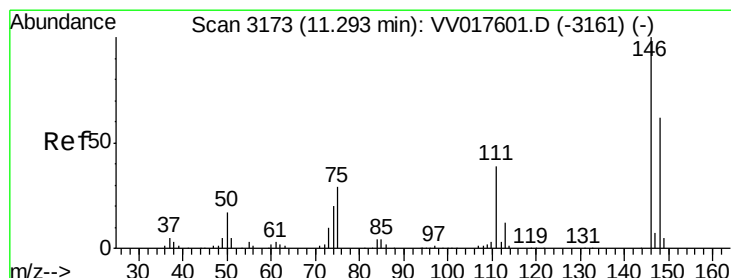
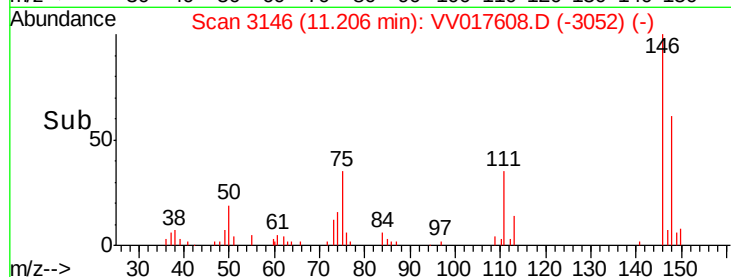
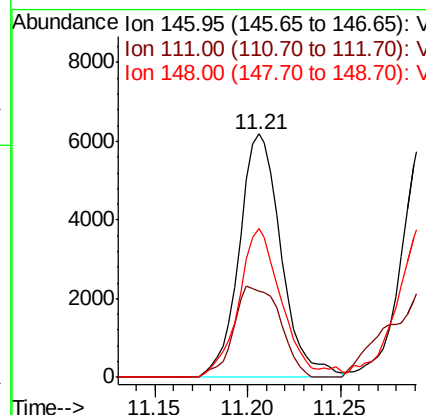
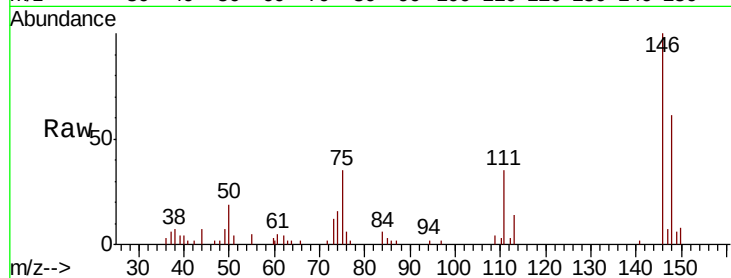




#63
 1,3-Dichlorobenzene
 Concen: 0.314 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:03

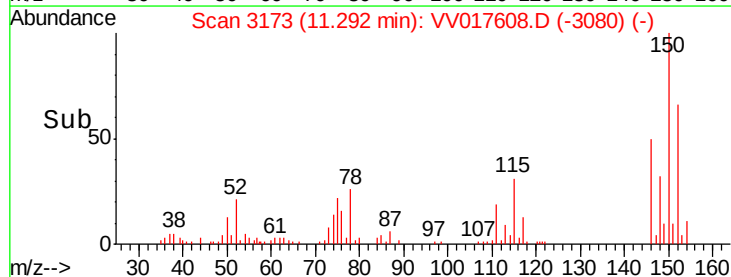
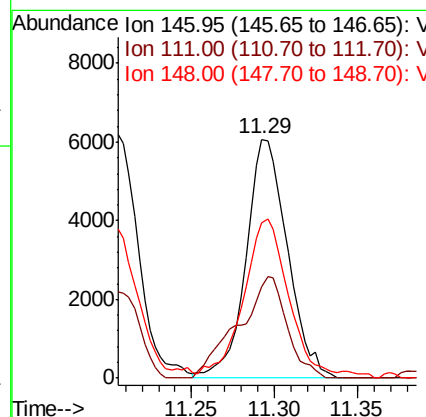
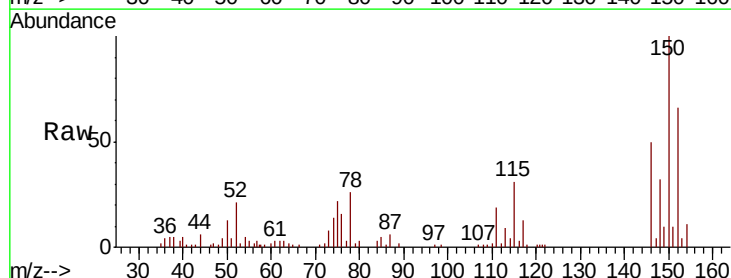
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

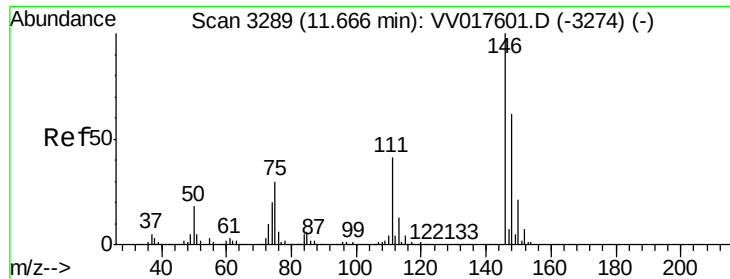
Tot Ion:146 Resp: 9717
 Ion Ratio Lower Upper
 146 100
 111 35.4 27.3 50.7
 148 60.9 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 0.339 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:03

Tgt Ion:146 Resp: 10522
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.4 51.0
 148 65.2 43.8 81.4

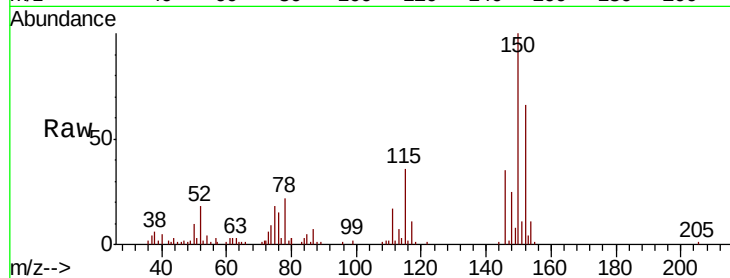




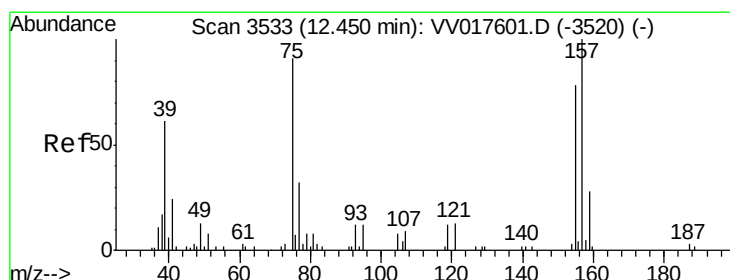
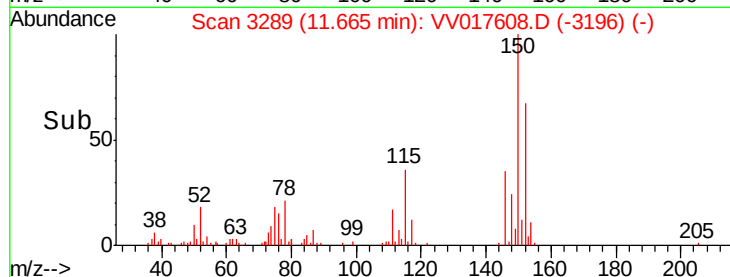
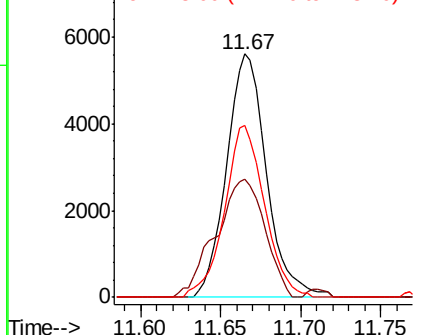
#66
 1,2-Dichlorobenzene
 Concen: 0.339 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:03

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion:146 Resp: 9540
 Ion Ratio Lower Upper
 146 100
 111 48.8 33.0 49.4
 148 70.6 49.9 74.9

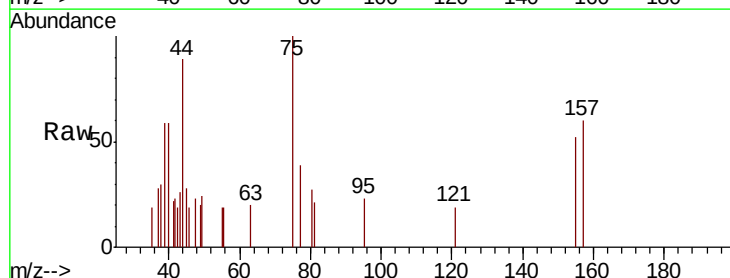


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

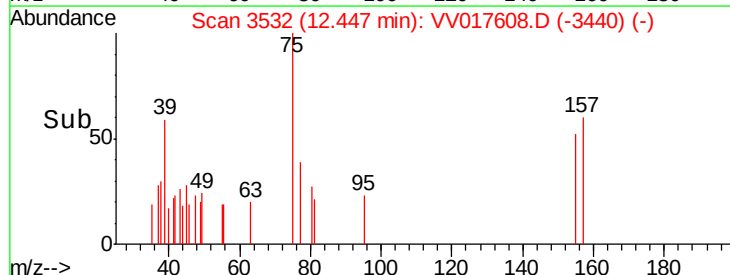
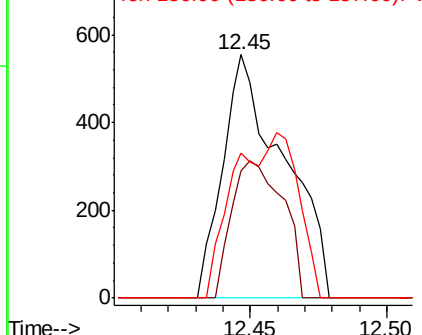


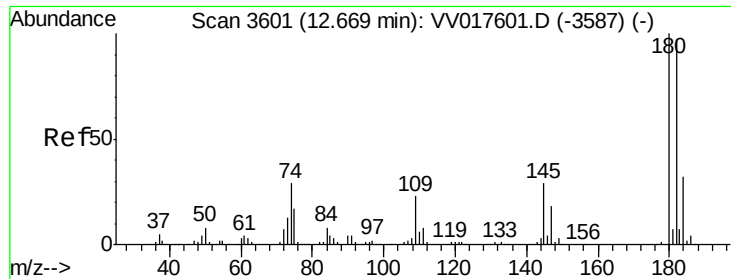
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.490 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:03

Tgt Ion: 75 Resp: 862
 Ion Ratio Lower Upper
 75 100
 155 52.1 68.7 103.1#
 157 59.6 87.8 131.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

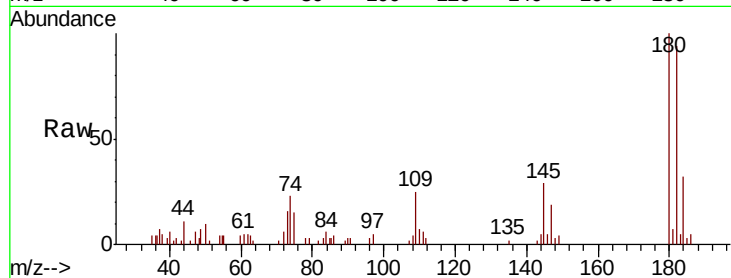




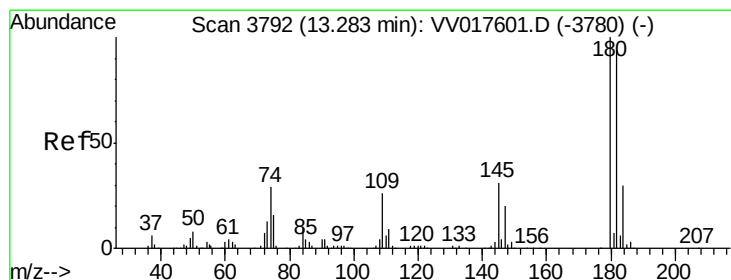
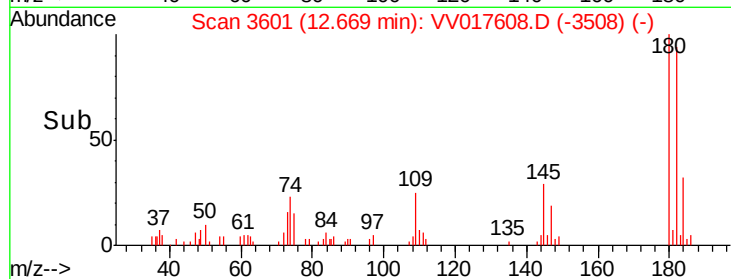
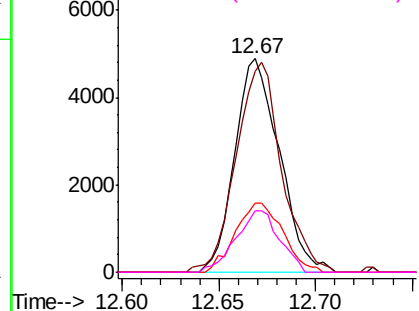
#68
 1,3,5-Trichlorobenzene
 Concen: 0.311 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:03

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 7810
 Ion Ratio Lower Upper
 180 100
 182 100.3 77.1 115.7
 184 34.5 25.2 37.8
 145 28.2 24.1 36.1

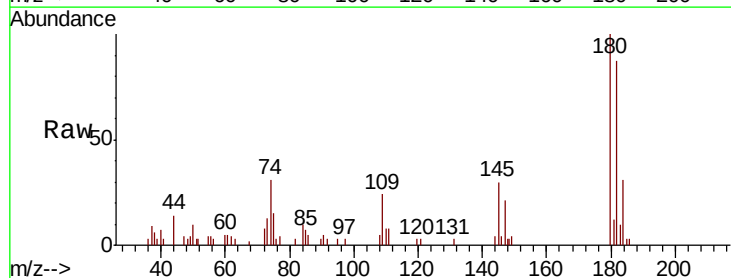


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

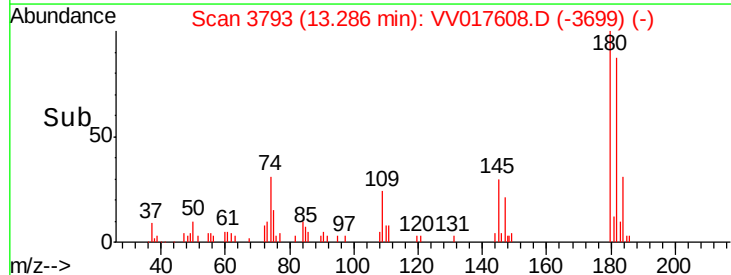
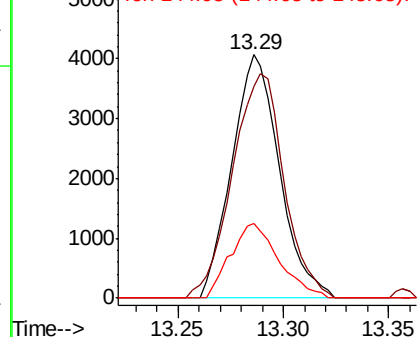


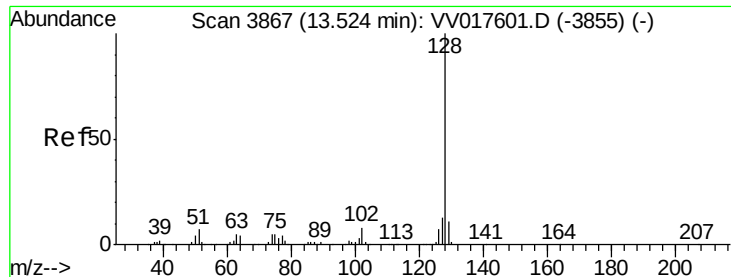
#69
 1,2,4-trichlorobenzene
 Concen: 0.304 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:03

Tgt Ion:180 Resp: 6378
 Ion Ratio Lower Upper
 180 100
 182 99.8 75.4 113.2
 145 31.2 24.2 36.2



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





#70

Naphthalene

Concen: 0.271 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Instrument :

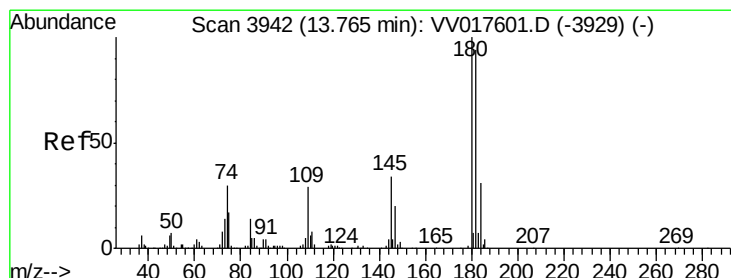
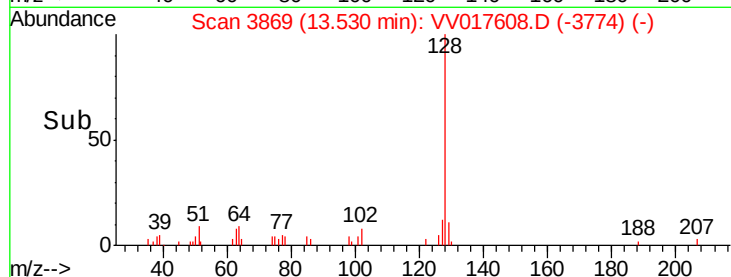
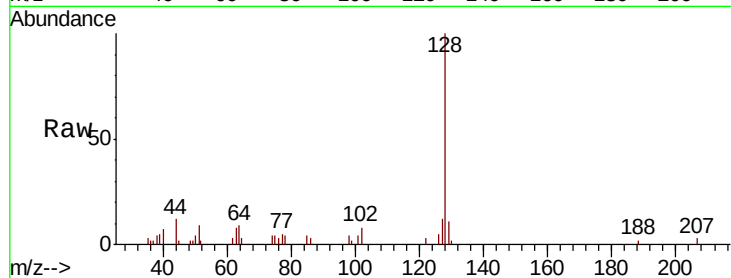
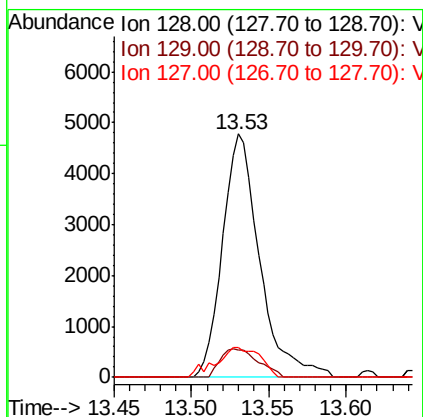
MSVOA_V

ClientSampleId :

MDL03

Tot Ion:128 Resp: 7947

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	14.5	11.0	16.6



#71

1,2,3-Trichlorobenzene

Concen: 0.292 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:03

Tgt Ion:180 Resp: 5434

Ion	Ratio	Lower	Upper
180	100		
182	87.7	74.2	111.4
145	36.1	26.0	39.0

