

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016208.D
 Acq On : 26 May 2020 22:23
 Operator : SY/MD
 Sample : L2753-17MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:17:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	101320	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	97216	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	45558	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29127	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	26614	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	56571	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	3.94	46	82677	51.22	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.44%
24) Chloroform-d	4.38	84	58810	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.06	65	33713	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.08	84	116820	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.10	67	36546	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.34	98	105890	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
45) trans-1,3-Dichloropropene-	7.65	79	12969	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
48) 2-Hexanone-d5	8.12	63	60530	47.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.04%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26045	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	37191	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	1969	0.397 ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	479	0.077 ug/L #	21
12) 1,1-Dichloroethene	2.14	96	26664	4.462 ug/L #	82
14) Carbon disulfide	2.31	76	2088	0.113 ug/L	97
25) Chloroform	4.40	83	1385	0.105 ug/L #	60
27) 1,2-Dichloroethane	5.13	62	1421	0.165 ug/L #	79
33) Benzene	5.13	78	137402	4.912 ug/L	100
34) Trichloroethene	5.94	95	35484	4.869 ug/L	97
35) Methylcyclohexane	6.10	83	9240	0.752 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4158	0.606 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	1070	0.110 ug/L	97
42) Toluene	7.41	91	149372	4.896 ug/L	97
46) trans-1,3-Dichloropropene	7.64	75	607	0.075 ug/L	87
49) Tetrachloroethene	8.00	164	6443	1.231 ug/L	95
51) Dibromochloromethane	8.00	129	5911	1.237 ug/L #	10
53) Chlorobenzene	8.90	112	97098	5.151 ug/L	98
70) Naphthalene	13.53	128	9818	0.520 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration

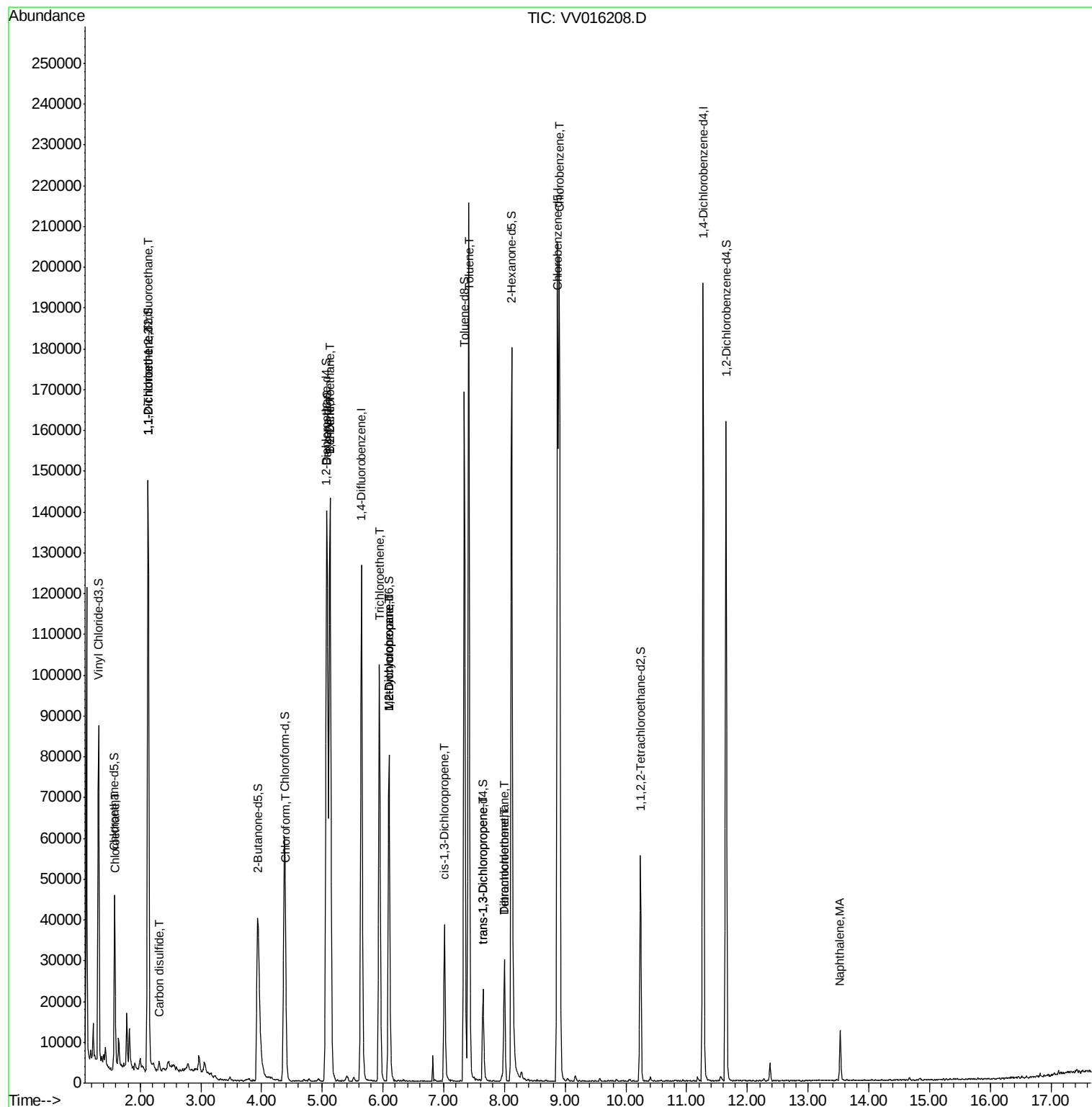
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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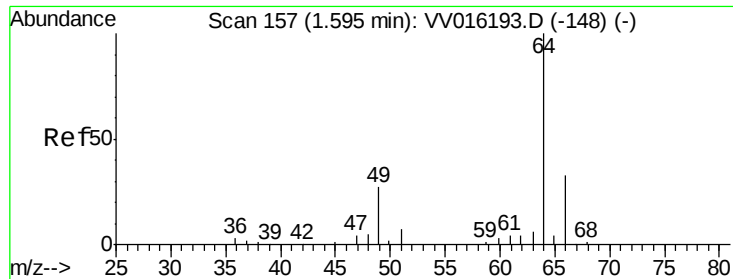
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.397 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

Instrument :

MSVOA_V

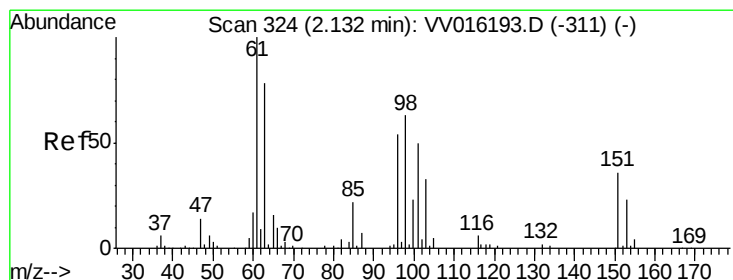
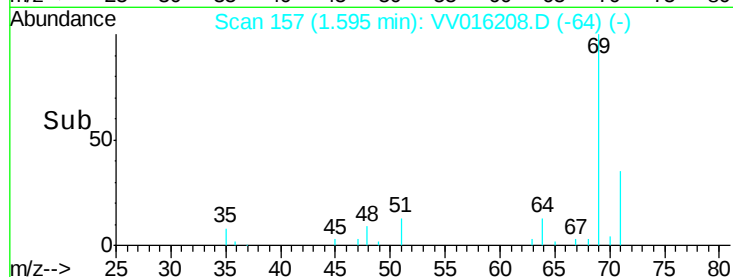
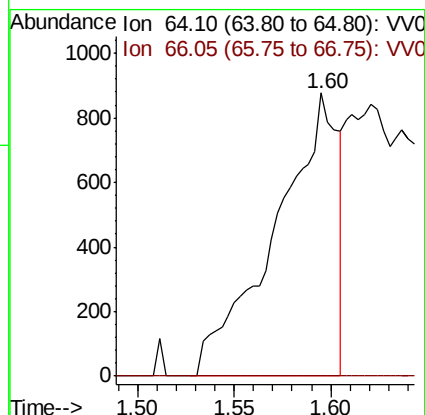
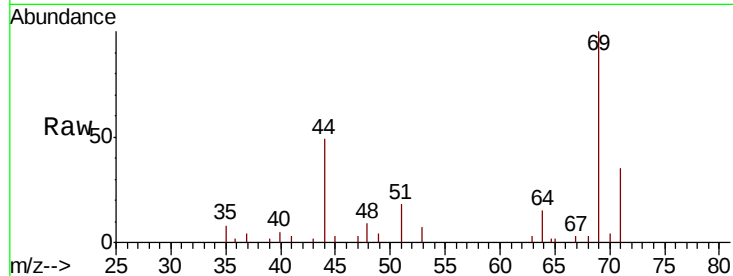
ClientSampleId :

Tot Ion: 64 Resp: 1969

Ion Ratio Lower Upper

64 100

66 0.0 22.9 42.5#



#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

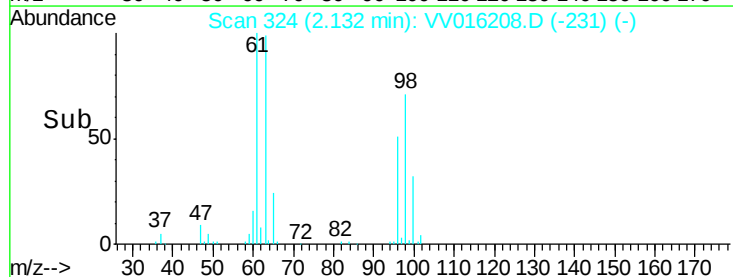
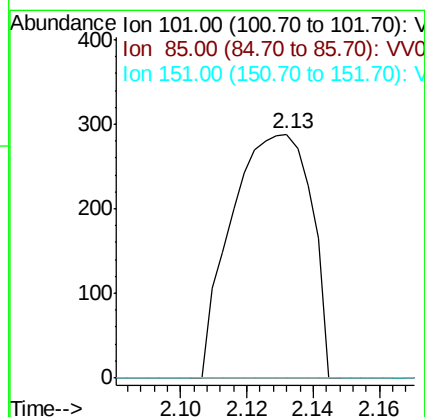
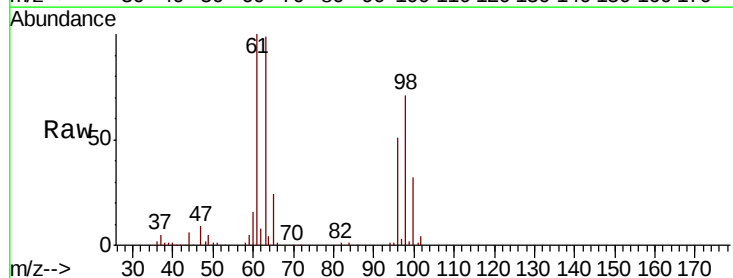
Tgt Ion: 101 Resp: 479

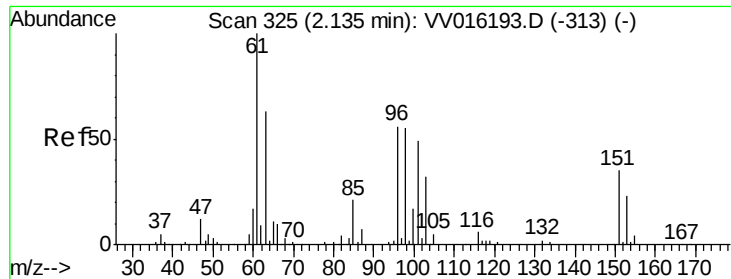
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

151 0.0 56.3 84.5#

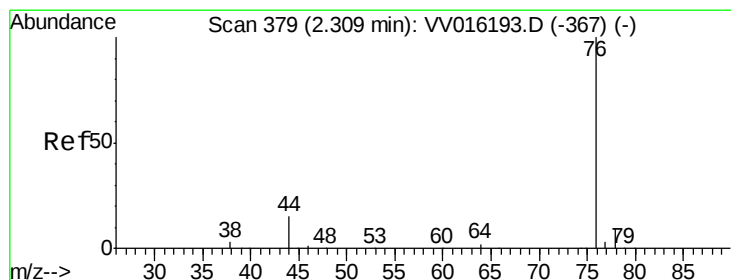
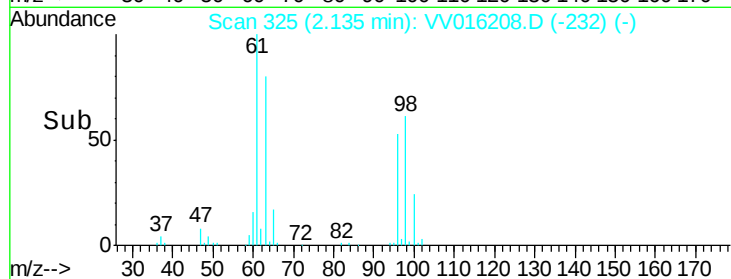
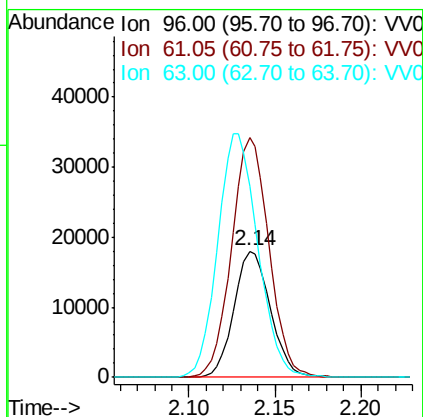
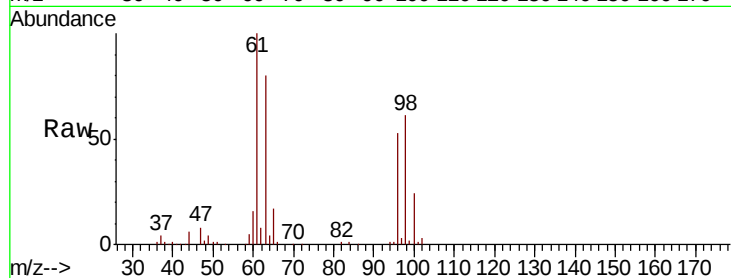




#12
 1,1-Dichloroethene
 Concen: 4.462 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV016208.D
 Acq: 26 May 2020 22:23

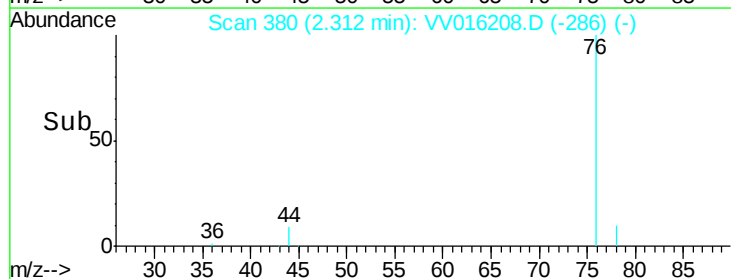
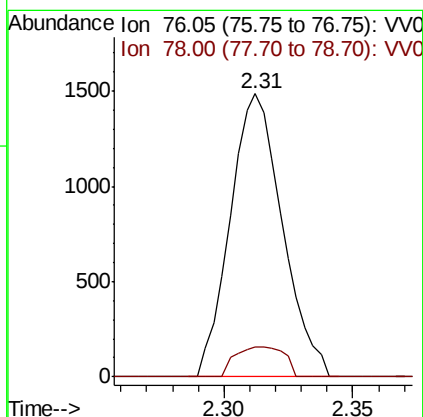
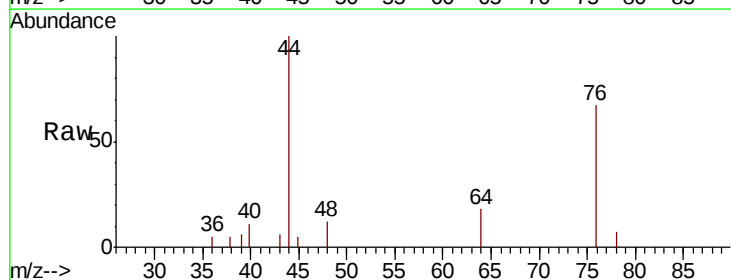
Instrument :
 MSVOA_V
 ClientSampled :

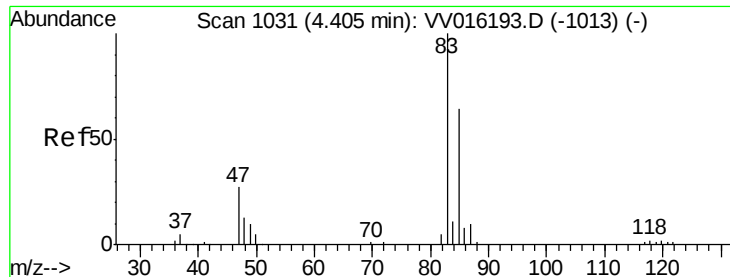
Tot Ion: 96 Resp: 26664
 Ion Ratio Lower Upper
 96 100
 61 189.7 124.9 231.9
 63 151.4 80.4 149.2#



#14
 Carbon disulfide
 Concen: 0.113 ug/L
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VV016208.D
 Acq: 26 May 2020 22:23

Tgt Ion: 76 Resp: 2088
 Ion Ratio Lower Upper
 76 100
 78 10.4 7.4 11.0

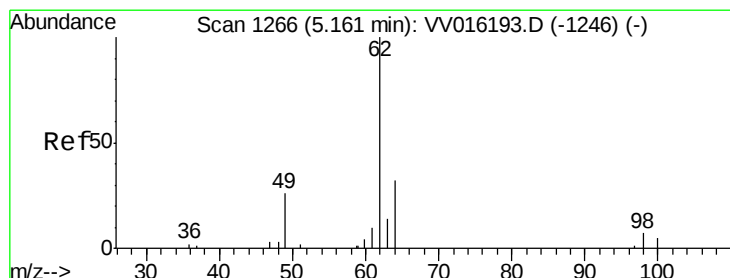
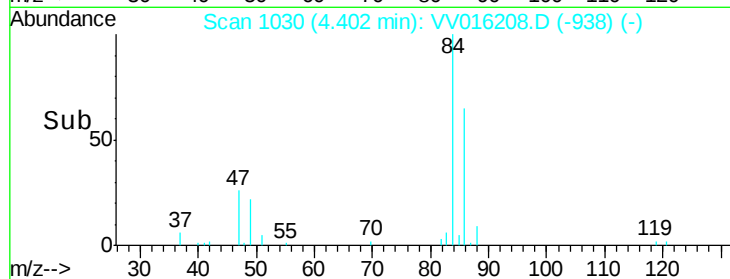
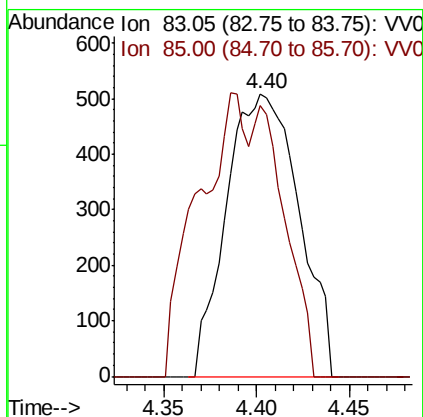
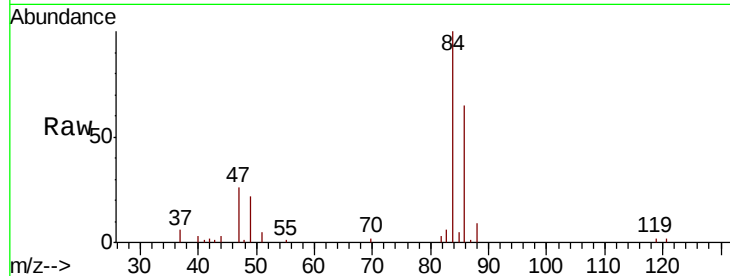




#25
Chloroform
Concen: 0.105 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016208.D
Acq: 26 May 2020 22:23

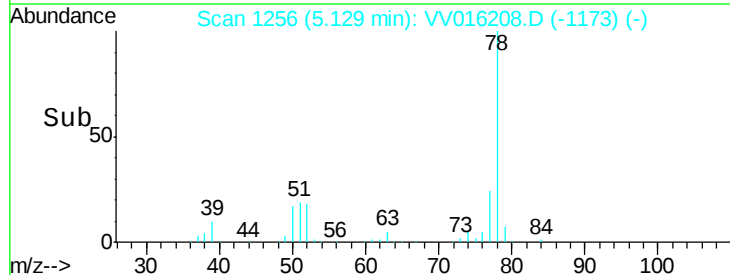
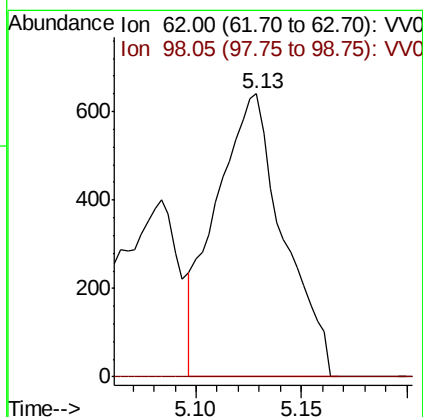
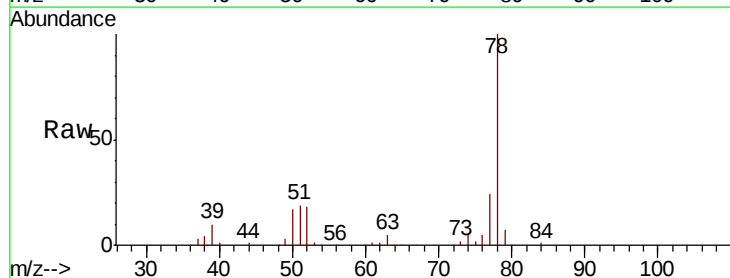
Instrument :
MSVOA_V
ClientSampleId :

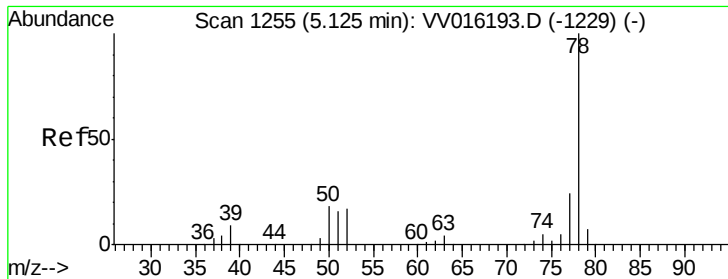
Tot Ion: 83 Resp: 1385
Ion Ratio Lower Upper
83 100
85 95.7 45.1 83.7#



#27
1,2-Dichloroethane
Concen: 0.165 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.03 min
Lab File: VV016208.D
Acq: 26 May 2020 22:23

Tgt Ion: 62 Resp: 1421
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#33

Benzene

Concen: 4.912 ug/L

RT: 5.13 min Scan# 1255

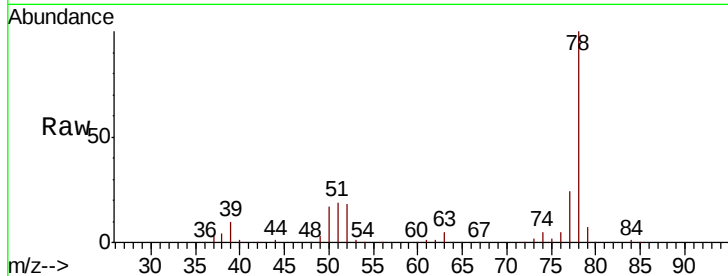
Delta R.T. -0.00 min

Lab File: VV016208.D

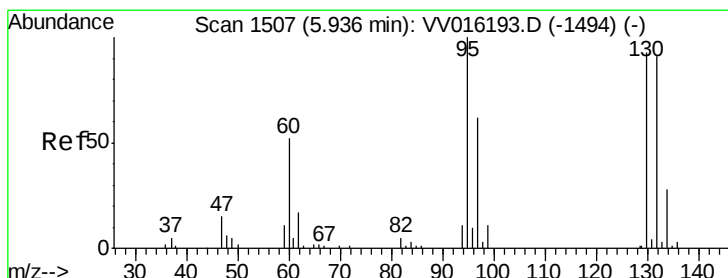
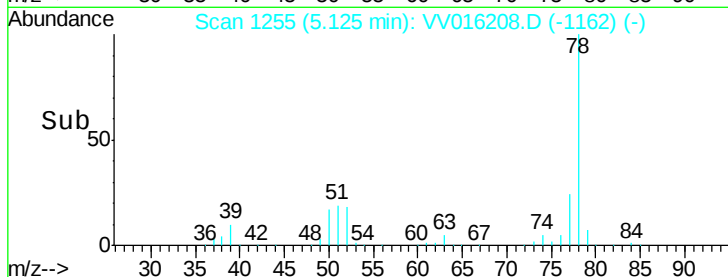
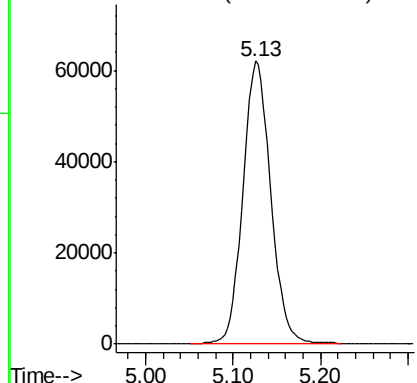
Acq: 26 May 2020 22:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 137402



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.869 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

Tgt Ion: 95 Resp: 35484

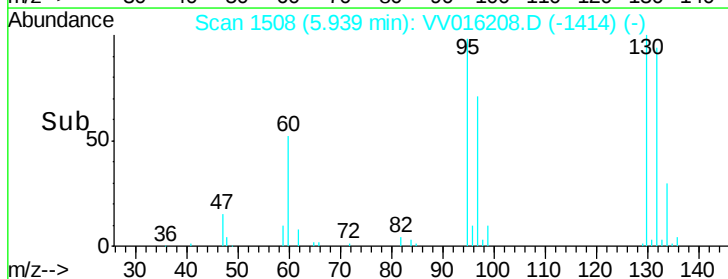
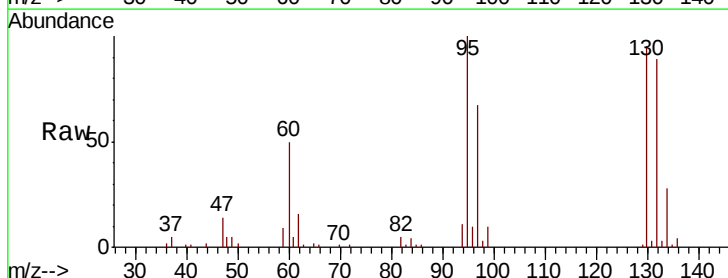
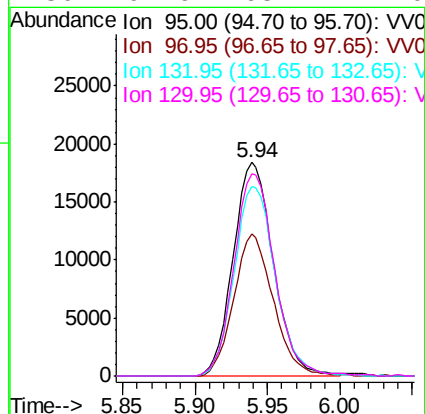
Ion	Ratio	Lower	Upper
95	100		
97	66.8	43.6	81.0
132	88.6	63.9	118.7
130	94.6	65.2	121.0

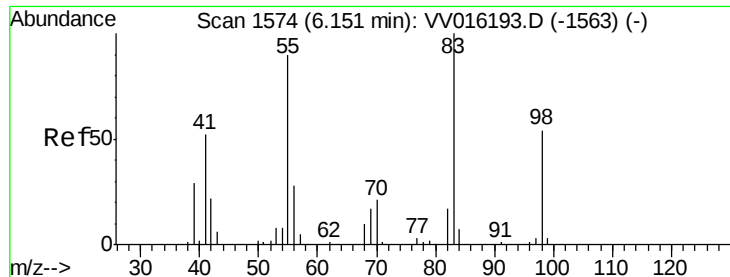
Ion 95.00 (94.70 to 95.70): VV0

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

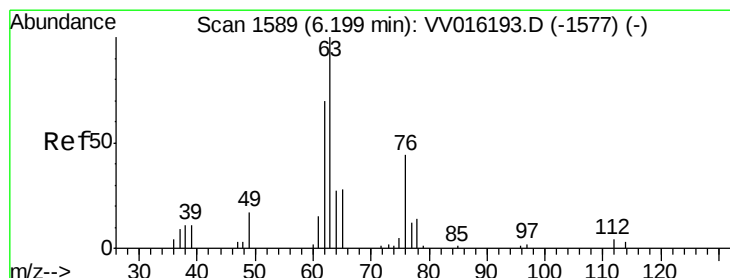
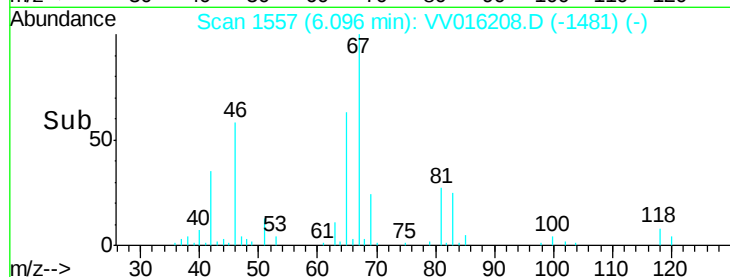
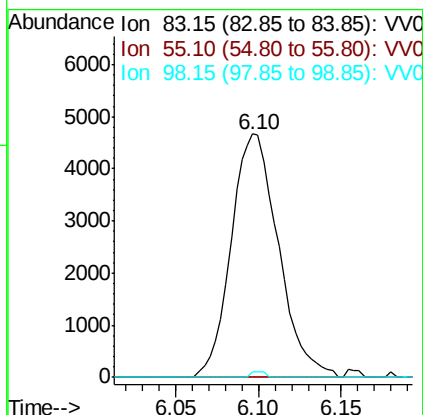
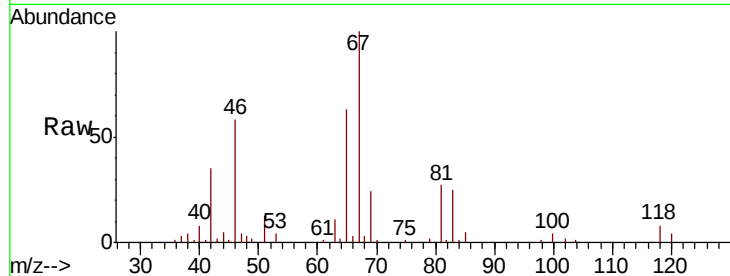




#35
Methvlcvclohexane
Concen: 0.752 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016208.D
Acq: 26 May 2020 22:23

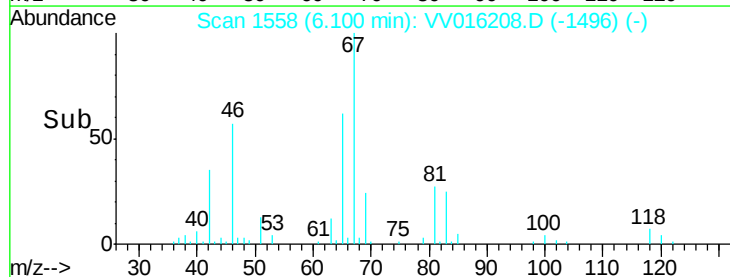
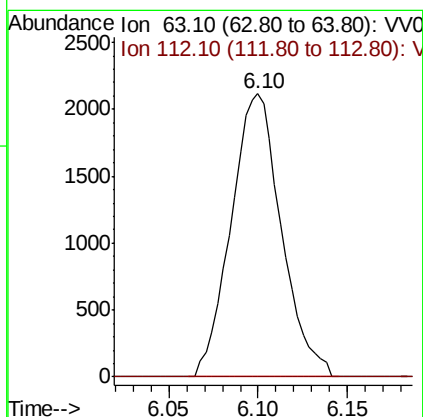
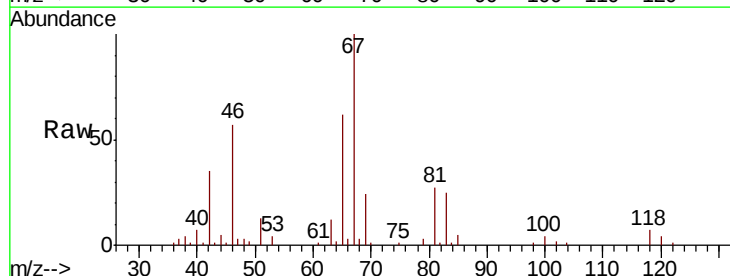
Instrument :
MSVOA_V
ClientSampleId :

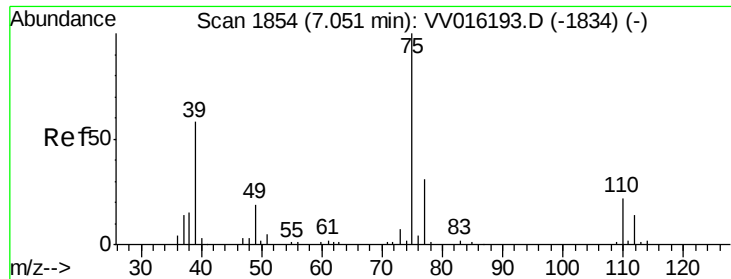
Tot Ion: 83 Resp: 9240
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.7 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VV016208.D
Acq: 26 May 2020 22:23

Tgt Ion: 63 Resp: 4158
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

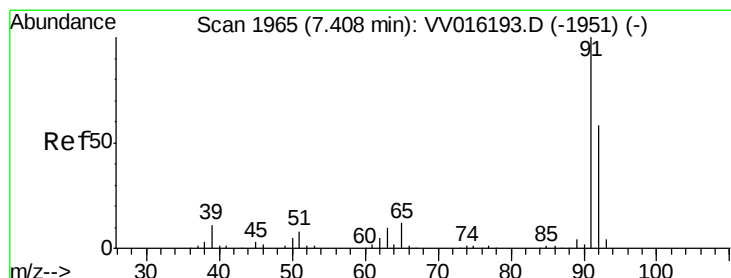
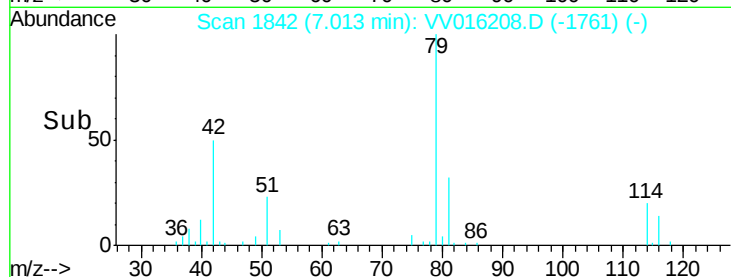
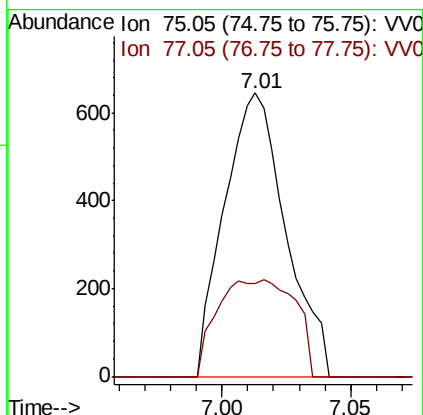
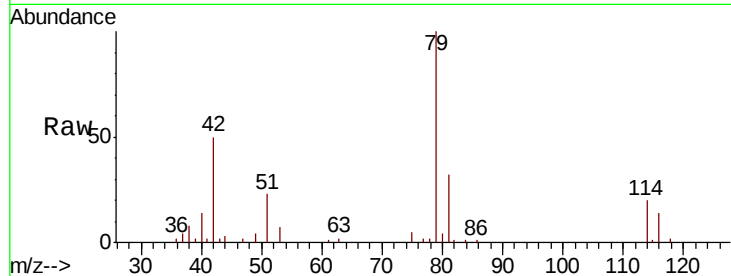




#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016208.D
 Acq: 26 May 2020 22:23

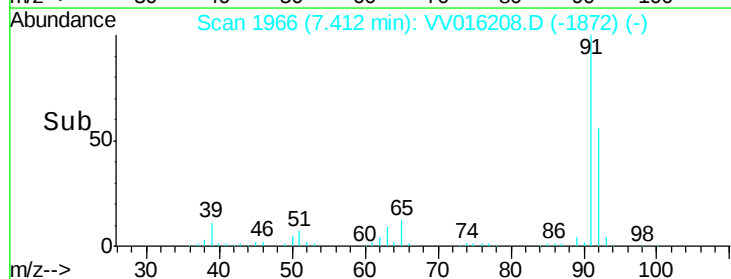
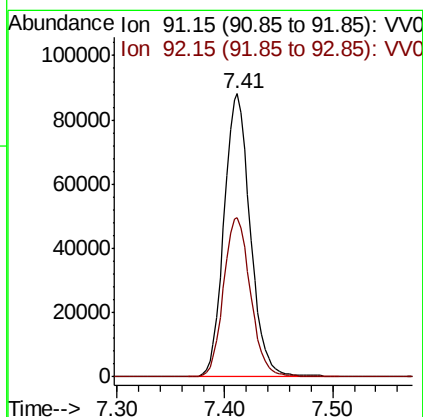
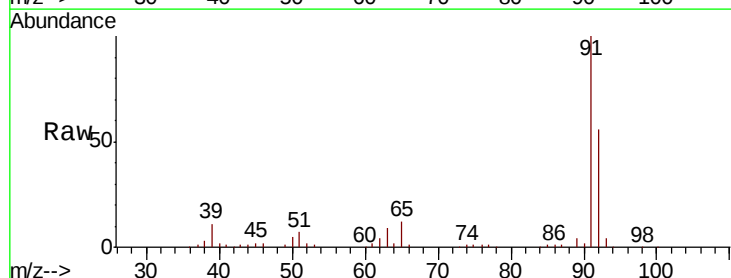
Instrument :
 MSVOA_V
 ClientSampleId :

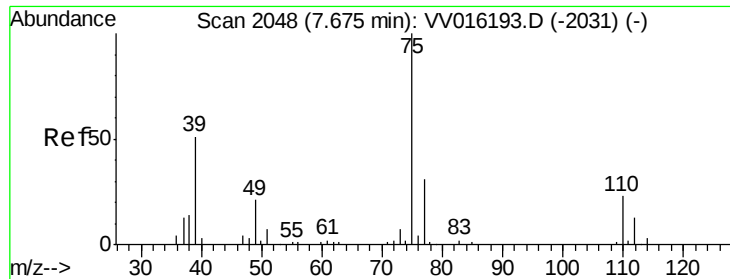
Tot Ion: 75 Resp: 1070
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.7 40.3



#42
 Toluene
 Concen: 4.896 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016208.D
 Acq: 26 May 2020 22:23

Tgt Ion: 91 Resp: 149372
 Ion Ratio Lower Upper
 91 100
 92 56.2 40.9 76.0





#46

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

Instrument :

MSVOA_V

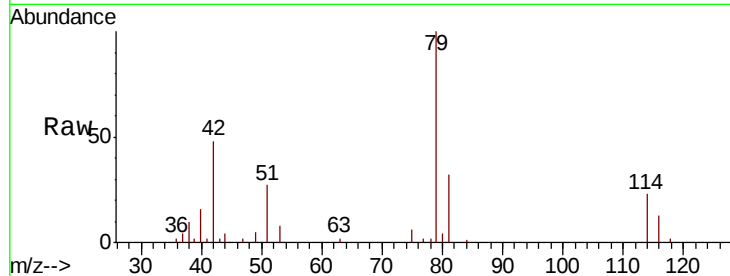
ClientSampled :

Tot Ion: 75 Resp: 607

Ion Ratio Lower Upper

75 100

77 38.2 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

400

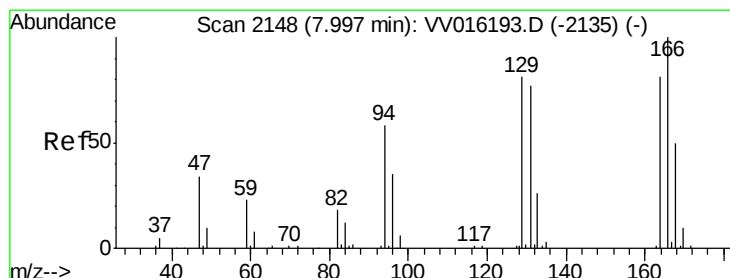
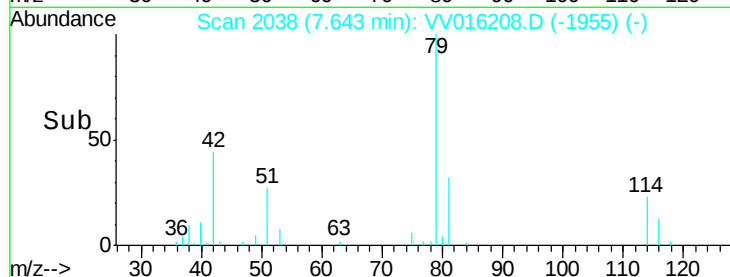
300

200

100

0

Time-->



#49

Tetrachloroethene

Concen: 1.231 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

Tgt Ion: 164 Resp: 6443

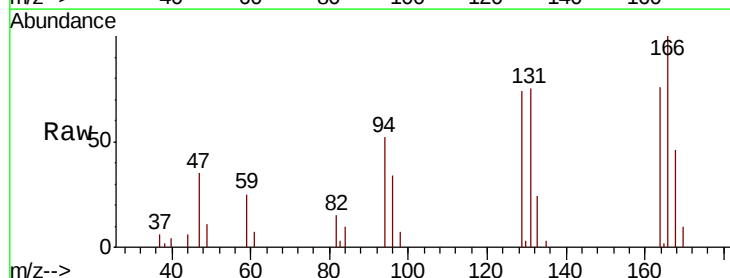
Ion Ratio Lower Upper

164 100

129 97.4 70.7 131.3

131 98.2 66.6 123.8

166 131.5 86.9 161.5



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

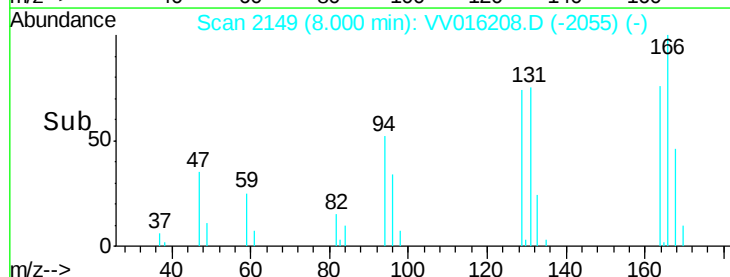
6000

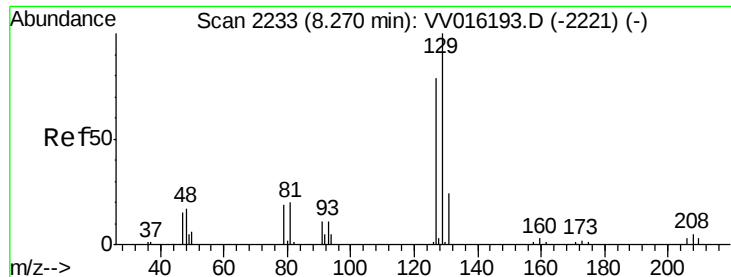
4000

2000

0

Time-->





#51

Dibromochloromethane

Concen: 1.237 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

Instrument :

MSVOA_V

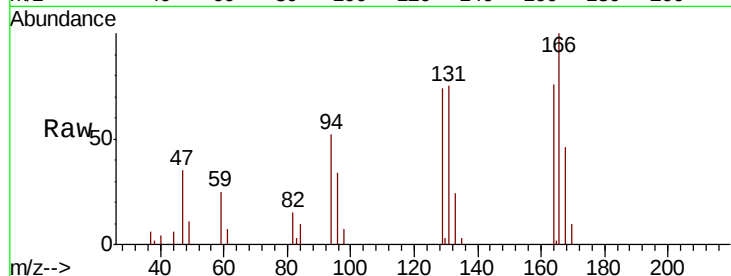
ClientSampleId :

Tot Ion:129 Resp: 5911

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.00

4000

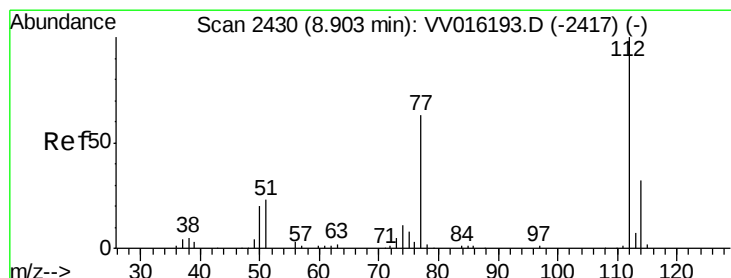
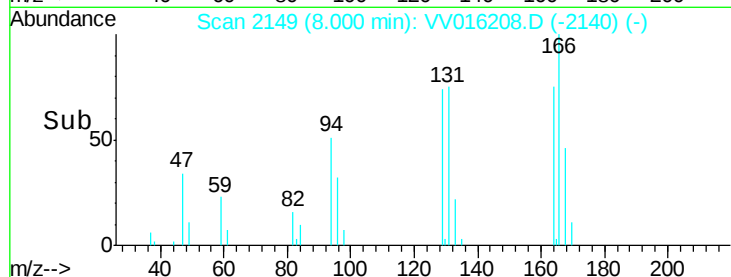
3000

2000

1000

0

Time--> 7.95 8.00 8.05



#53

Chlorobenzene

Concen: 5.151 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

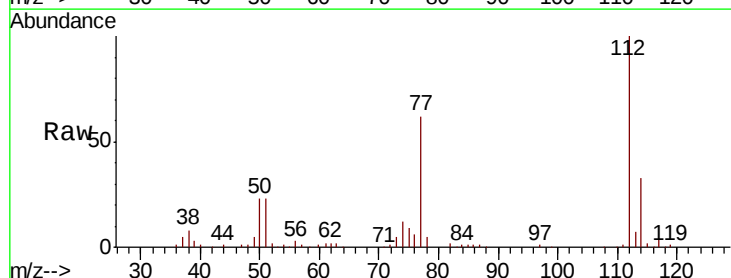
Tgt Ion:112 Resp: 97098

Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.3

77 61.6 50.7 76.1



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): VV0

80000

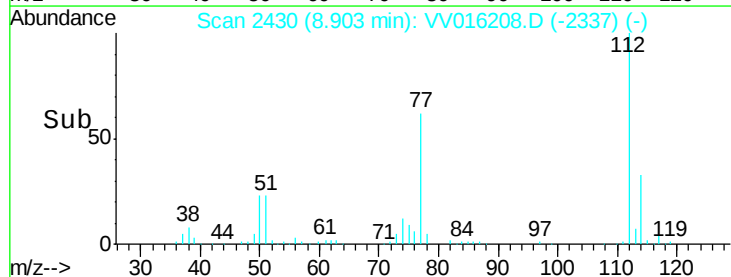
60000

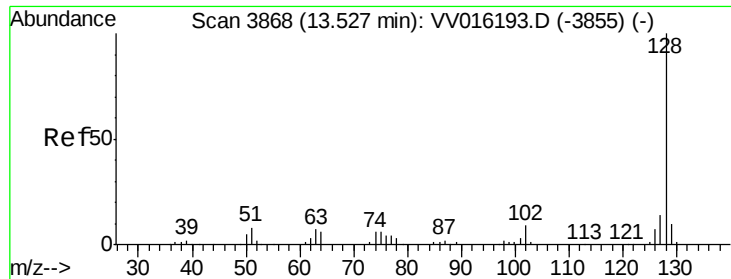
40000

20000

0

Time--> 8.85 8.90 8.95 9.00





#70

Naphthalene

Concen: 0.520 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016208.D

Acq: 26 May 2020 22:23

Instrument :

MSVOA_V

ClientSampleId :

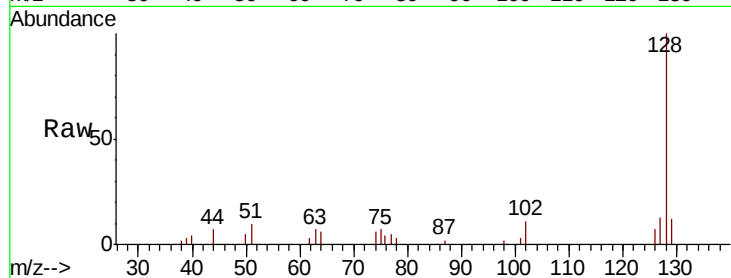
Tot Ion:128 Resp: 9818

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

127 11.1 10.6 15.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

