

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016294.D
 Acq On : 28 May 2020 23:05
 Operator : SY/MD
 Sample : L2754-17DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 04:23:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	89729	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	86914	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21479	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.58	69	21390	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.13	63	32688	3.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.40%
20) 2-Butanone-d5	3.95	46	73678	51.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.38	84	49370	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.06	65	27862	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.08	84	96237	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.10	67	30600	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.34	98	84552	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
45) trans-1,3-Dichloropropene-	7.65	79	9818	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
48) 2-Hexanone-d5	8.12	63	52090	45.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21552	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	30633	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

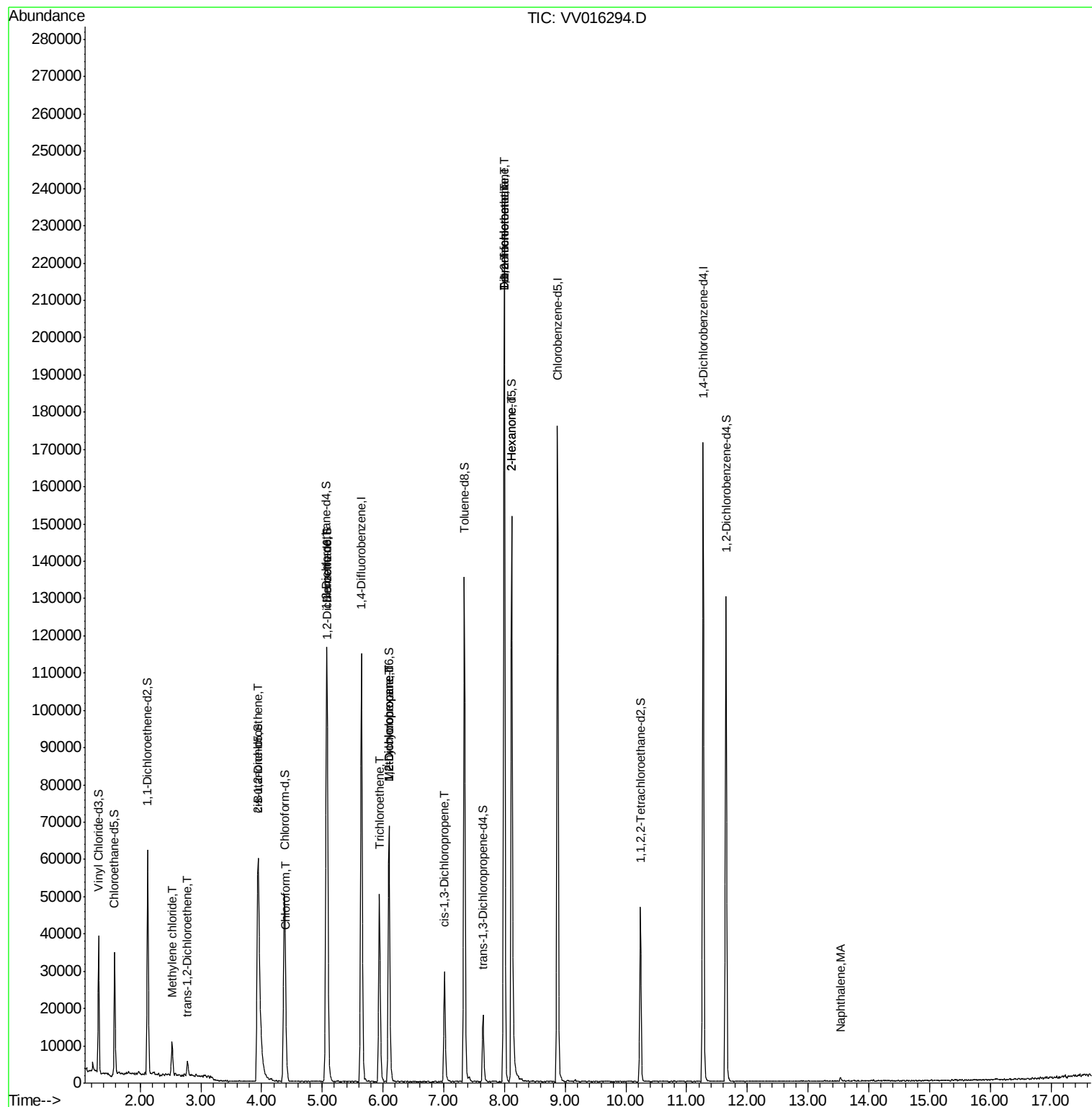
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.53	84	3355	0.553	ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	1235	0.213	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	15601	2.278	ug/L	97
25) Chloroform	4.41	83	1959	0.168	ug/L	93
27) 1,2-Dichloroethane	5.09	62	315	0.041	ug/L #	79
34) Trichloroethene	5.94	95	17030	2.614	ug/L	94
35) Methylcyclohexane	6.10	83	7669	0.698	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	3831	0.625	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	848	0.098	ug/L #	70
47) 1,1,2-Trichloroethane	7.99	97	398	0.099	ug/L #	5
49) Tetrachloroethene	8.00	164	46528	9.947	ug/L	97
50) 2-Hexanone	8.12	43	7895	2.966	ug/L #	71
51) Dibromochloromethane	8.00	129	44888	10.504	ug/L #	10
70) Naphthalene	13.53	128	1325	0.083	ug/L #	85

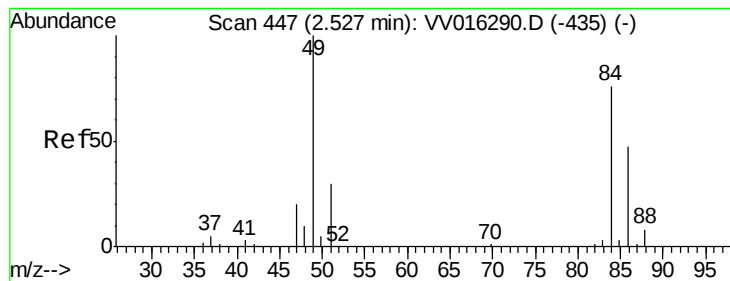
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration





#16

Methvlene chloride

Concen: 0.553 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016294.D

Acq: 28 May 2020 23:05

Instrument :

MSVOA_V

ClientSampleId :

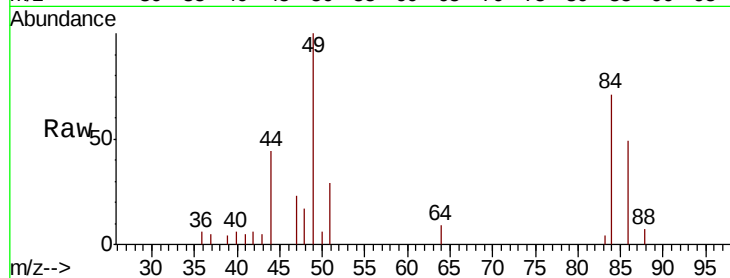
Tot Ion: 84 Resp: 3355

Ion Ratio Lower Upper

84 100

86 68.7 44.9 83.5

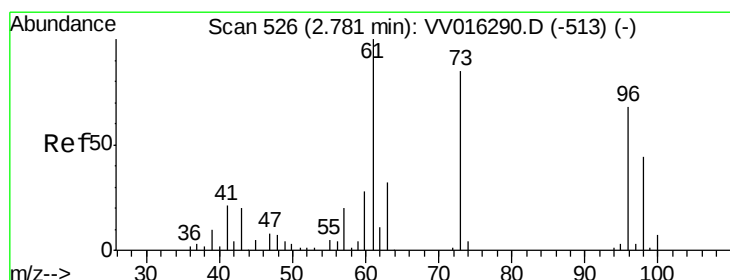
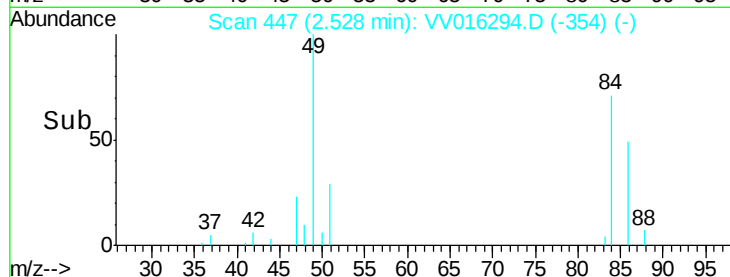
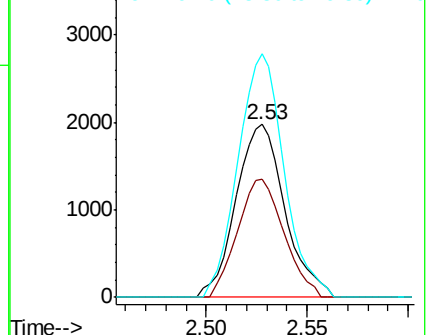
49 140.8 96.7 179.7



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV016294.D

Acq: 28 May 2020 23:05

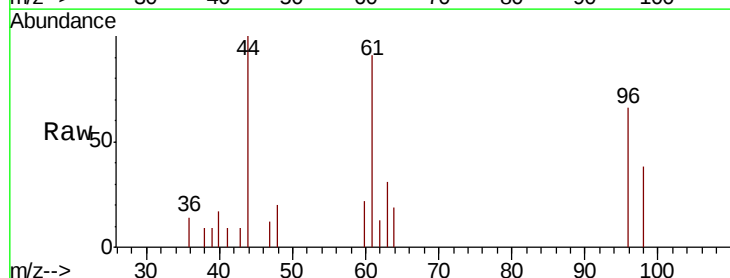
Tgt Ion: 96 Resp: 1235

Ion Ratio Lower Upper

96 100

61 138.5 99.8 185.4

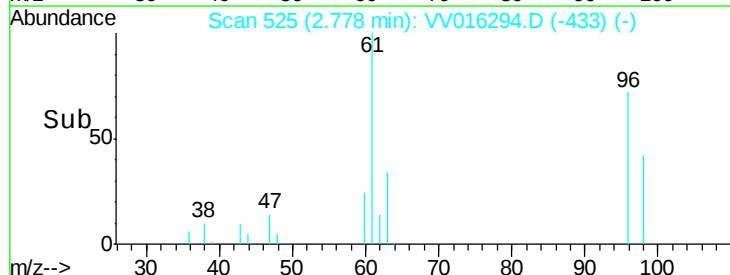
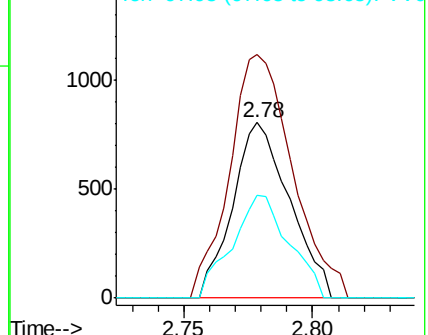
98 58.5 44.0 81.6

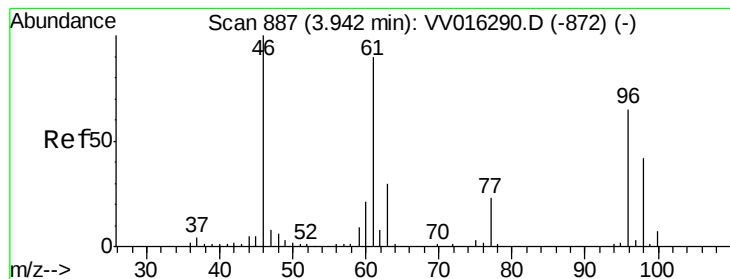


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



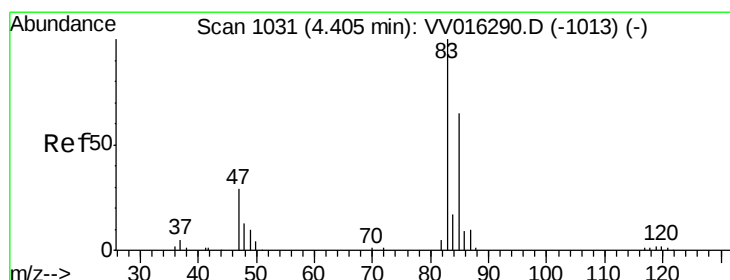
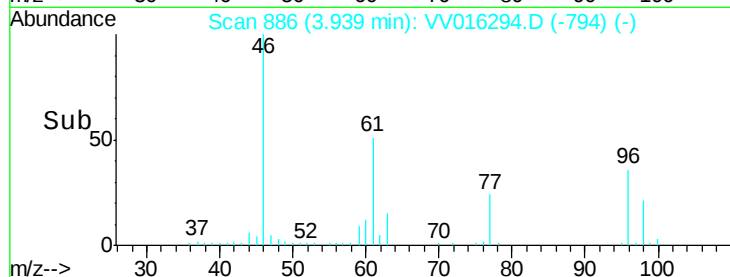
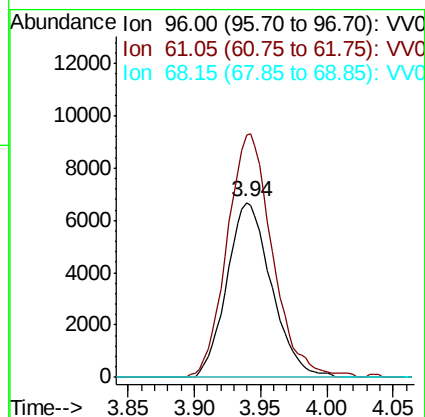
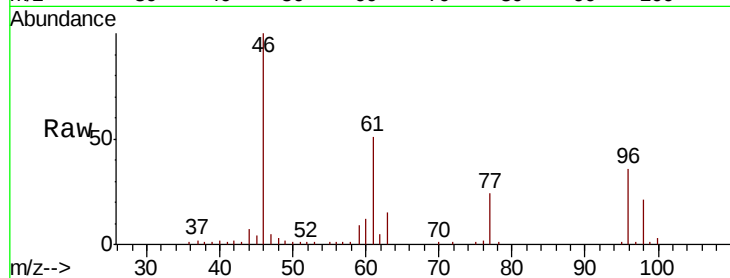


#22

cis-1,2-Dichloroethene
 Concen: 2.278 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016294.D
 Acq: 28 May 2020 23:05

Instrument :
 MSVOA_V
 ClientSampleId :

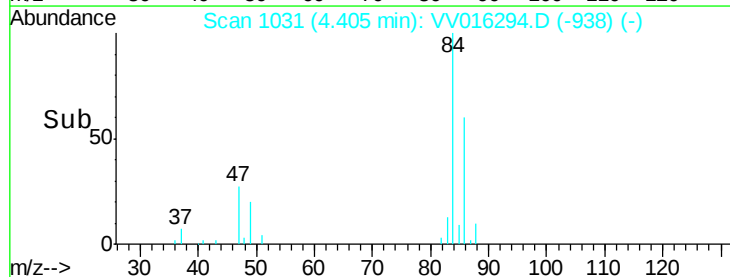
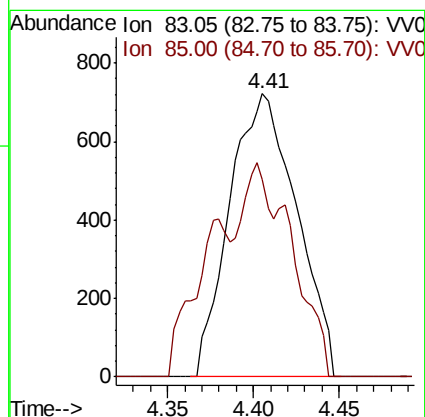
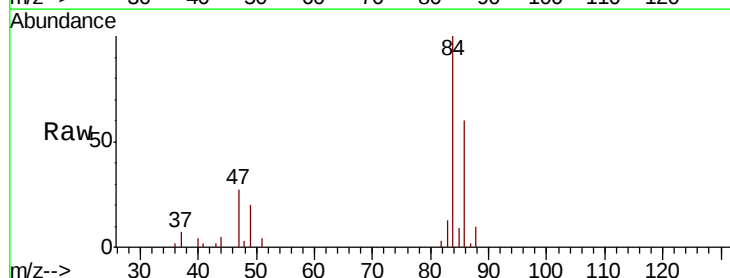
Tot Ion: 96 Resp: 15601
 Ion Ratio Lower Upper
 96 100
 61 138.7 99.7 185.1
 68 0.0 0.0 0.0

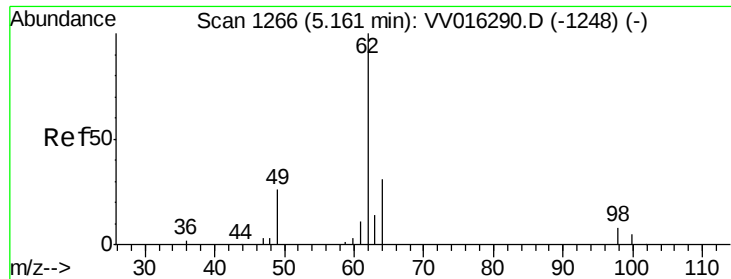


#25

Chloroform
 Concen: 0.168 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV016294.D
 Acq: 28 May 2020 23:05

Tgt Ion: 83 Resp: 1959
 Ion Ratio Lower Upper
 83 100
 85 69.9 45.1 83.7

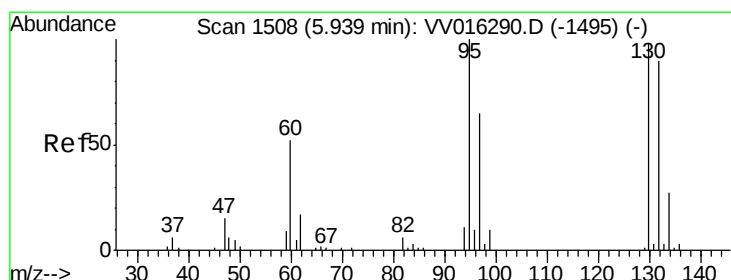
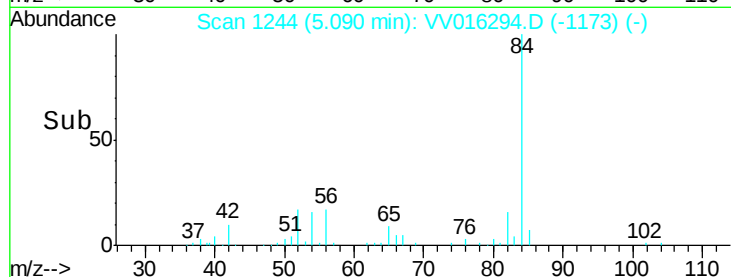
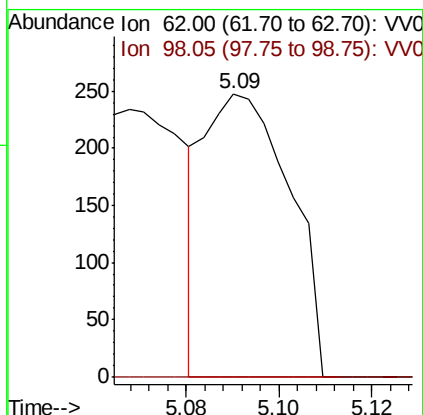
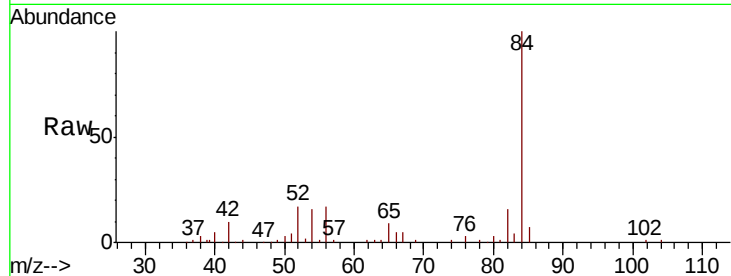




#27
 1,2-Dichloroethane
 Concen: 0.041 ug/L
 RT: 5.09 min Scan# 1244
 Delta R.T. -0.07 min
 Lab File: VV016294.D
 Acq: 28 May 2020 23:05

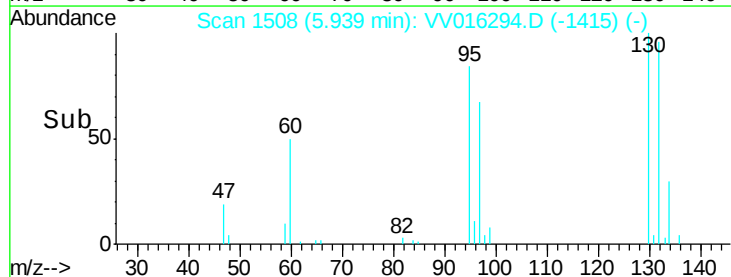
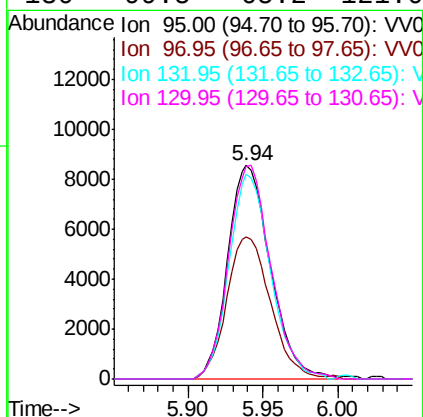
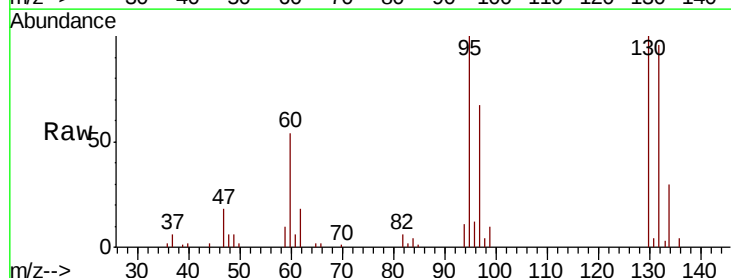
Instrument :
 MSVOA_V
 ClientSampleId :

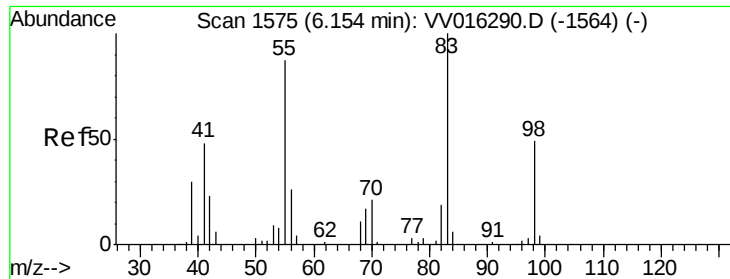
Tot Ion: 62 Resp: 315
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#34
 Trichloroethene
 Concen: 2.614 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016294.D
 Acq: 28 May 2020 23:05

Tgt Ion: 95 Resp: 17030
 Ion Ratio Lower Upper
 95 100
 97 66.6 43.6 81.0
 132 95.7 63.9 118.7
 130 99.5 65.2 121.0

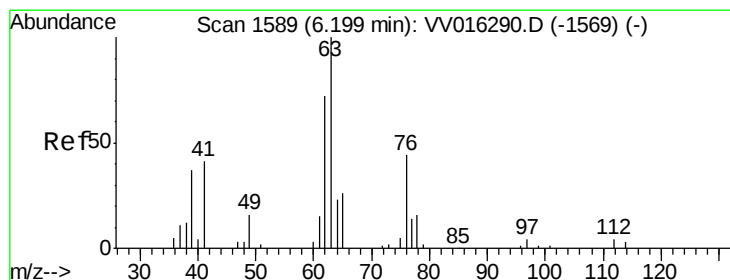
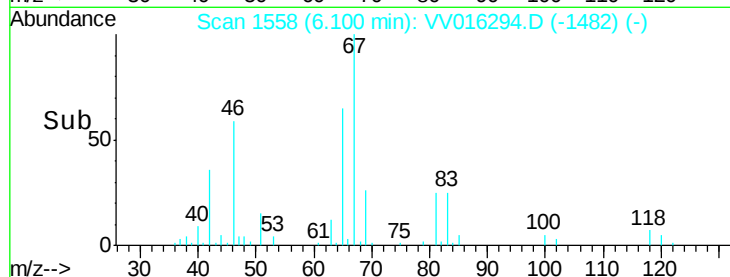
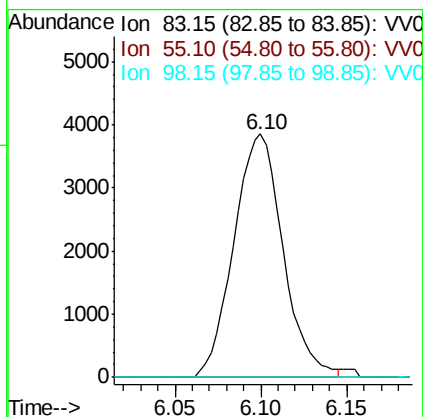
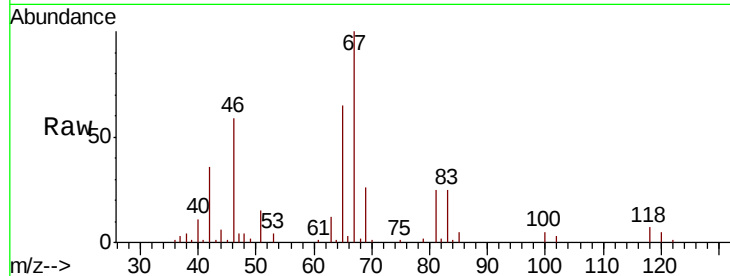




#35
Methvlcvclohexane
Concen: 0.698 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV016294.D
Acq: 28 May 2020 23:05

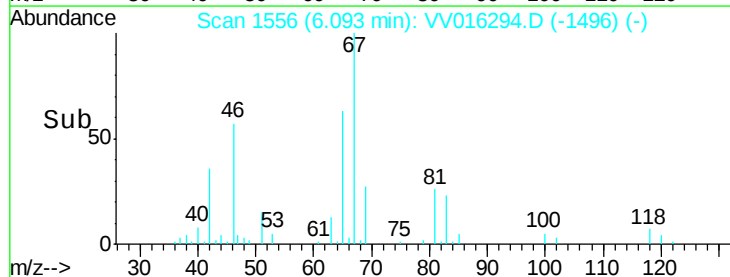
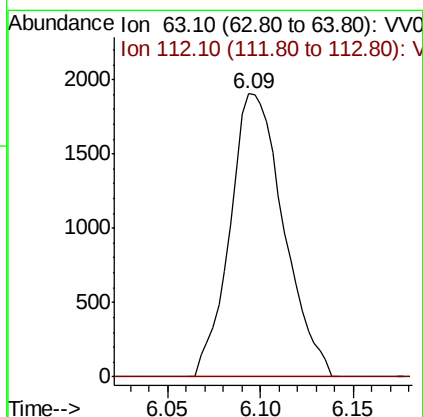
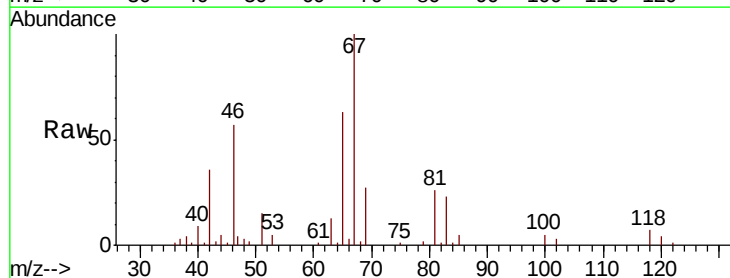
Instrument :
MSVOA_V
ClientSampleId :

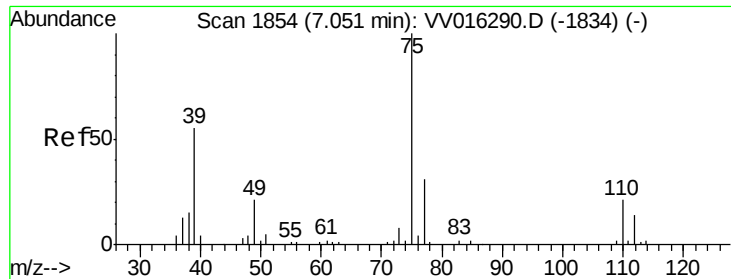
Tot Ion: 83 Resp: 7669
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 2.7 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.11 min
Lab File: VV016294.D
Acq: 28 May 2020 23:05

Tgt Ion: 63 Resp: 3831
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

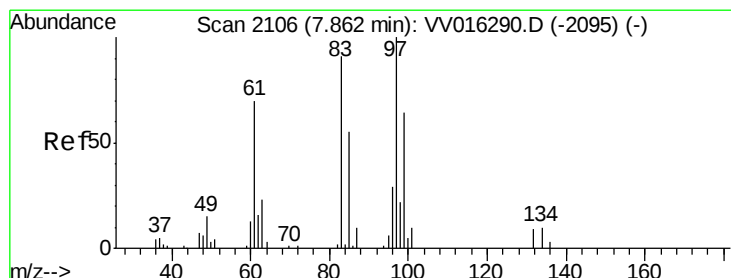
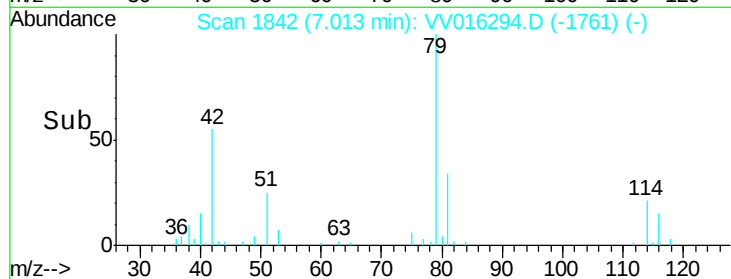
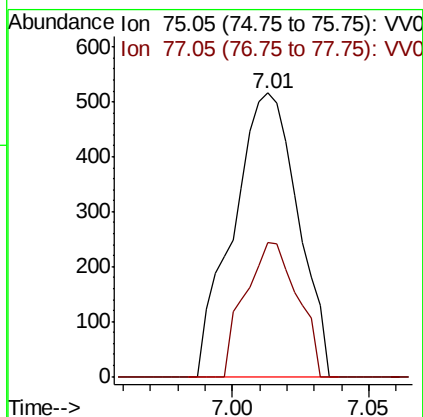
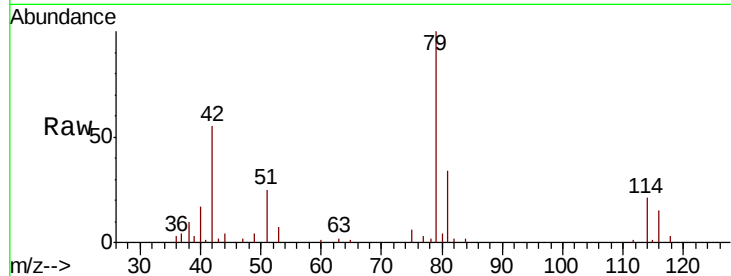




#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016294.D
 Acq: 28 May 2020 23:05

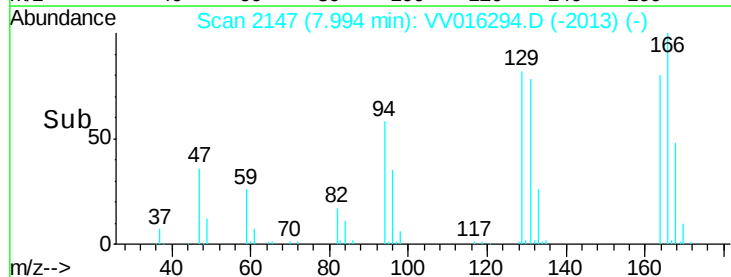
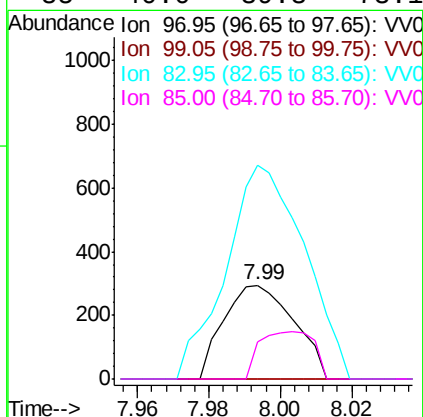
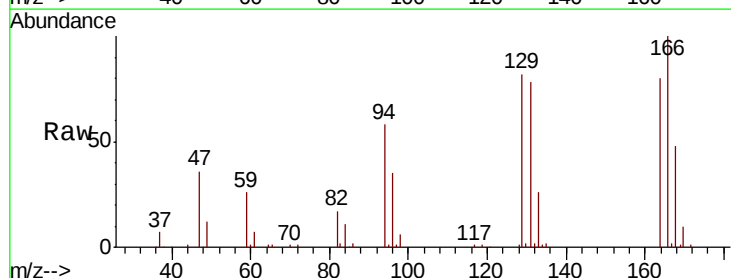
Instrument :
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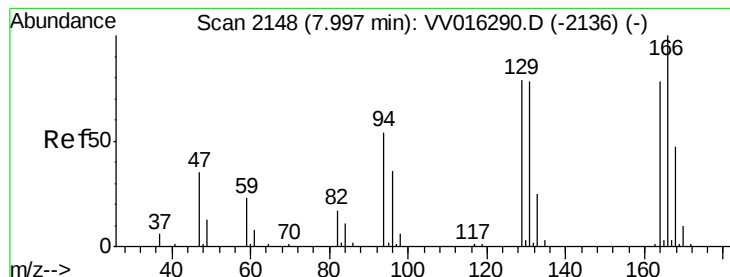
Tot Ion: 75 Resp: 848
 Ion Ratio Lower Upper
 75 100
 77 47.3 21.7 40.3#



#47
 1,1,2-Trichloroethane
 Concen: 0.099 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.13 min
 Lab File: VV016294.D
 Acq: 28 May 2020 23:05

Tgt Ion: 97 Resp: 398
 Ion Ratio Lower Upper
 97 100
 99 0.0 40.8 75.8#
 83 227.5 60.0 111.4#
 85 40.0 39.3 73.1





#49

Tetrachloroethene

Concen: 9.947 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016294.D

Acq: 28 May 2020 23:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 46528

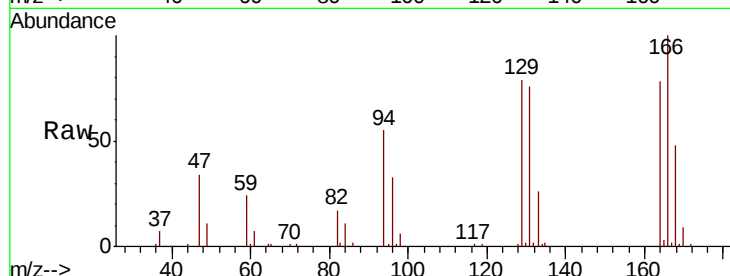
Ion Ratio Lower Upper

164 100

129 102.3 70.7 131.3

131 97.8 66.6 123.8

166 128.8 86.9 161.5

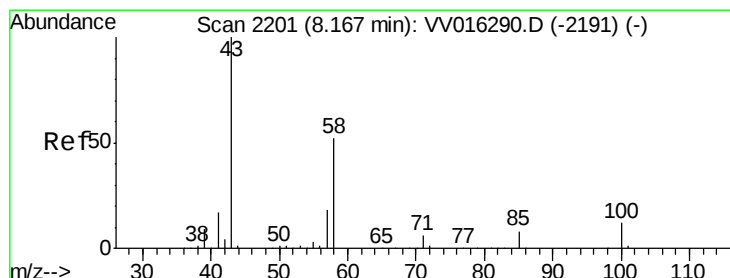
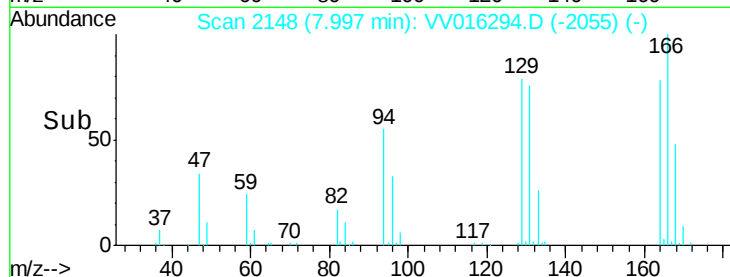
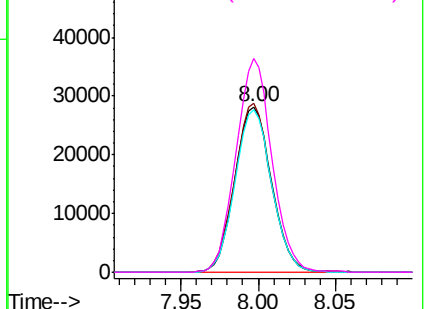


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 2.966 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV016294.D

Acq: 28 May 2020 23:05

Tgt Ion: 43 Resp: 7895

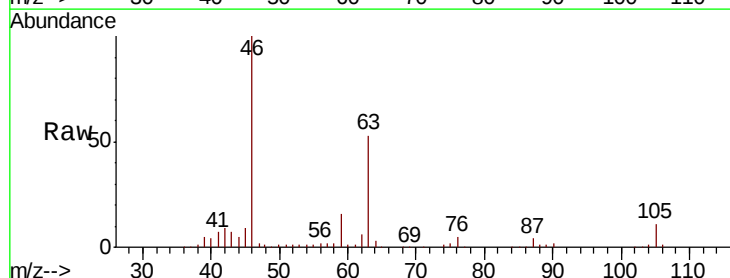
Ion Ratio Lower Upper

43 100

58 26.1 41.4 62.0#

57 21.3 15.0 22.4

100 0.0 9.0 13.4#

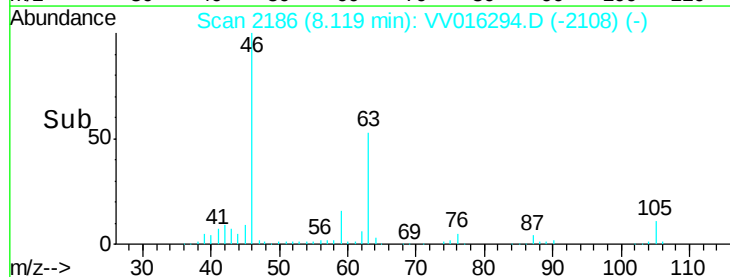
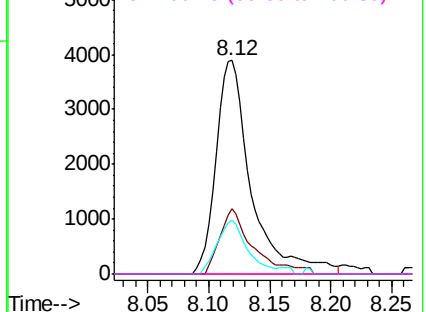


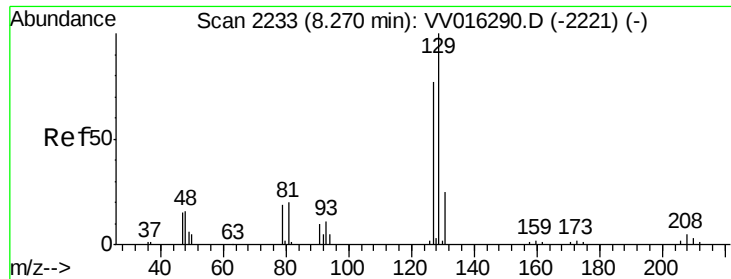
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

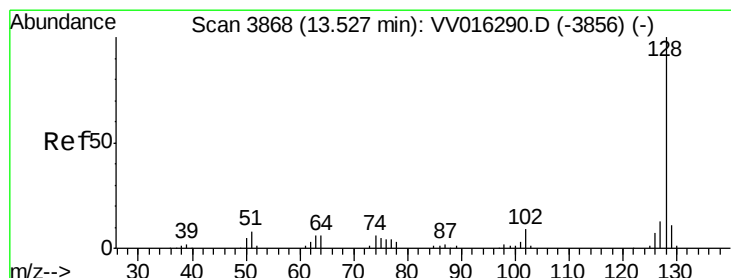
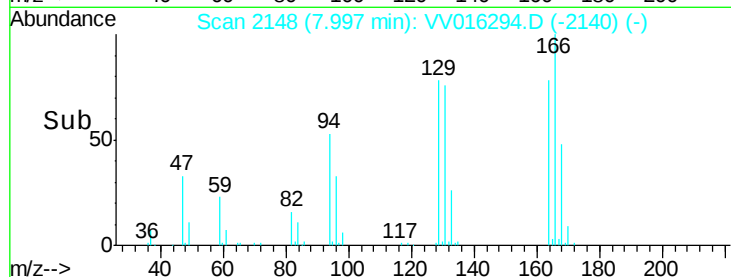
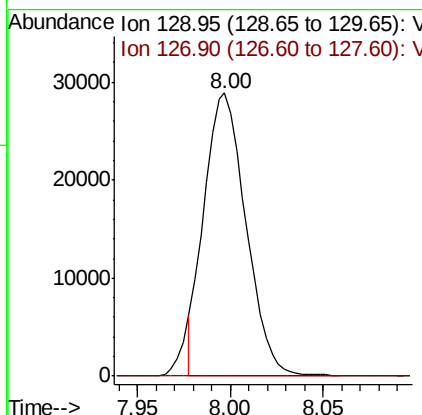
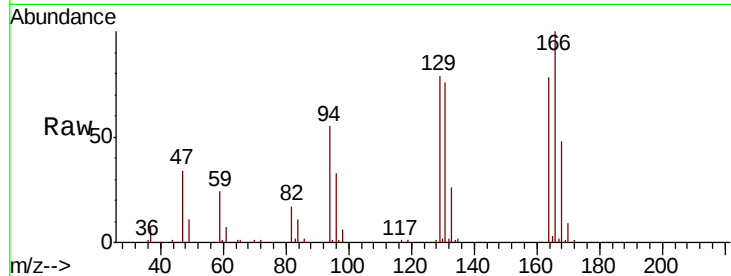




#51
Dibromochloromethane
Concen: 10.504 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016294.D
Acq: 28 May 2020 23:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 44888
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



#70
Naphthalene
Concen: 0.083 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV016294.D
Acq: 28 May 2020 23:05

Tgt Ion:128 Resp: 1325
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 12.0 10.6 15.8

