

Data File : VV012661.D
Acq On : 10 Sep 2019 17:22
Operator : SY/MD
Sample : K4724-07DL 50X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDA8DL

Quant Time: Sep 11 05:26:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	387851	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	386074	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	150647	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111616	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.58	69	101083	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	135025	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	3.95	46	359507	56.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.56%
24) Chloroform-d	4.40	84	222693	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	118375	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	420369	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.12	67	144186	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	328204	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	7.66	79	43963	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.14	63	178281	46.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	104104	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	137316	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Qvalue
16) Methylene chloride	2.53	84	5117	0.174 ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	35482	1.206 ug/L	99
25) Chloroform	4.43	83	11196	0.199 ug/L	99
34) Trichloroethene	5.96	95	189876	6.090 ug/L	98
35) Methylcyclohexane	6.12	83	34448	0.782 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	15578	0.554 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	3517	0.095 ug/L #	63
44) trans-1,3-Dichloropropene	7.67	75	2202	0.079 ug/L #	76
47) Tetrachloroethene	8.02	164	444801	18.173 ug/L	99
48) 2-Hexanone	8.19	43	42965	3.854 ug/L #	87
49) Dibromochloromethane	8.02	129	385388	16.553 ug/L #	11
56) Isopropylbenzene	9.97	105	6985	0.058 ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	2655	0.056 ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	1894	0.054 ug/L #	85
68) 1,2,4-trichlorobenzene	13.31	180	2693	0.096 ug/L	95
69) Naphthalene	13.55	128	6989	0.165 ug/L #	95
70) 1,2,3-Trichlorobenzene	13.79	180	2426	0.092 ug/L #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091019\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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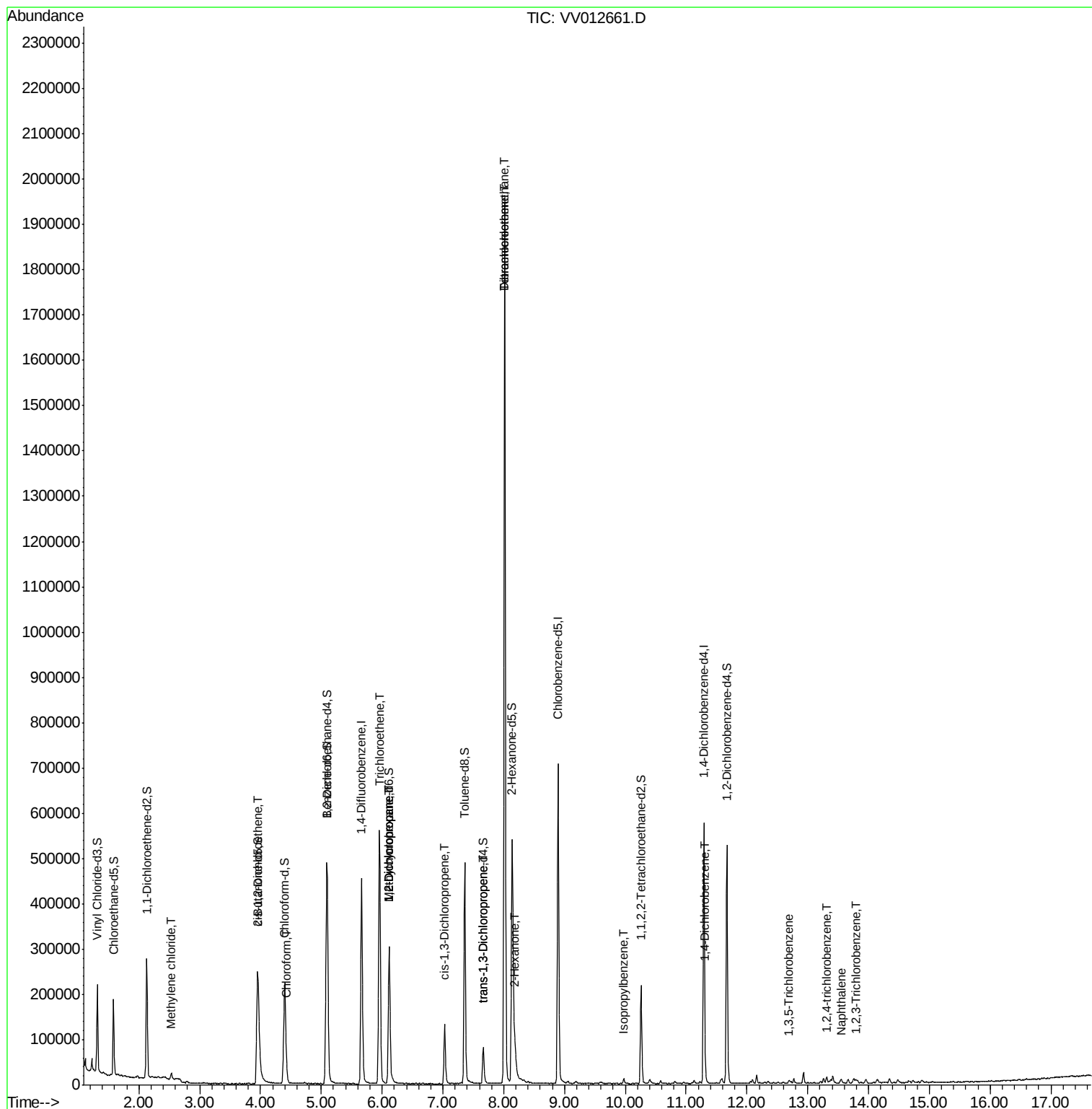
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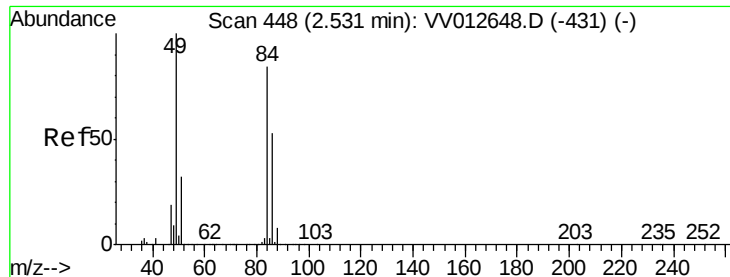
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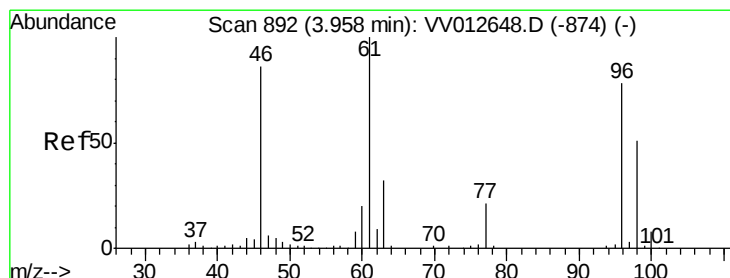
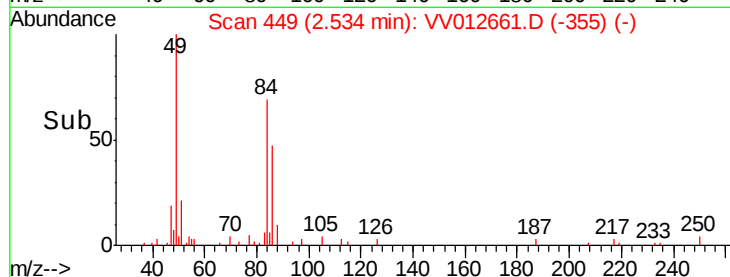
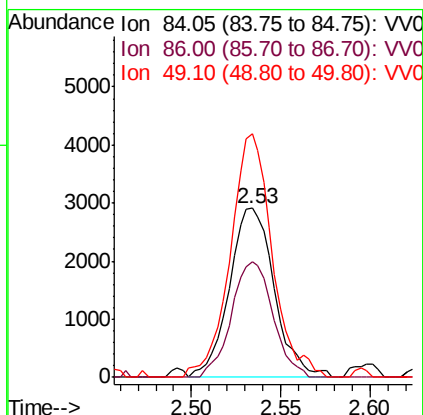
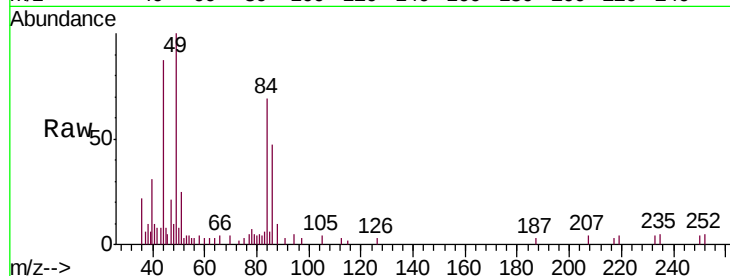




#16
Methylene chloride
Concen: 0.174 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

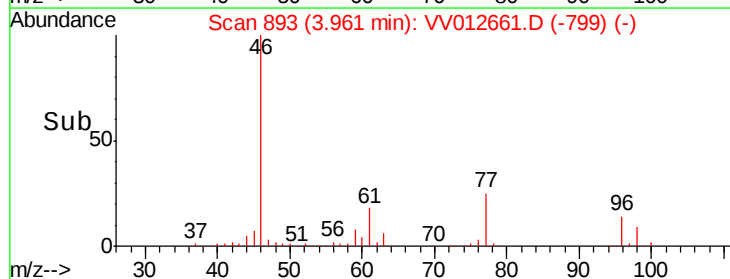
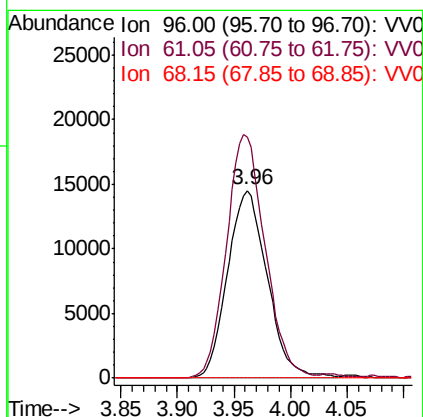
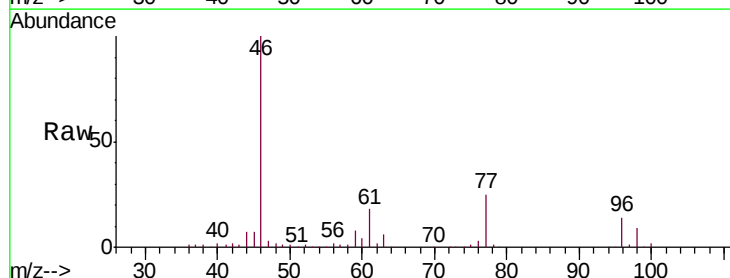
Instrument :
MSVOA_V
ClientSampled :
BFDA8DL

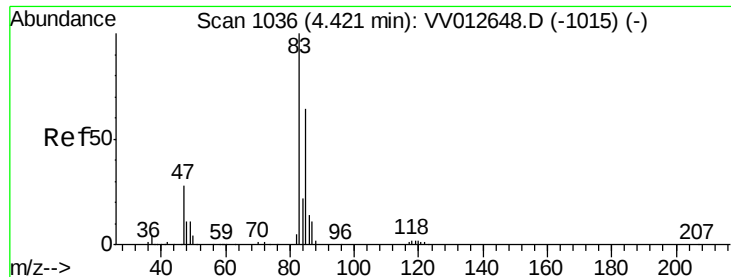
Tgt Ion: 84 Resp: 5117
Ion Ratio Lower Upper
84 100
86 68.3 46.1 85.7
49 144.1 85.3 158.3



#22
cis-1,2-Dichloroethene
Concen: 1.206 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

Tgt Ion: 96 Resp: 35482
Ion Ratio Lower Upper
96 100
61 128.9 89.7 166.5
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.199 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV012661.D

Acq: 10 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

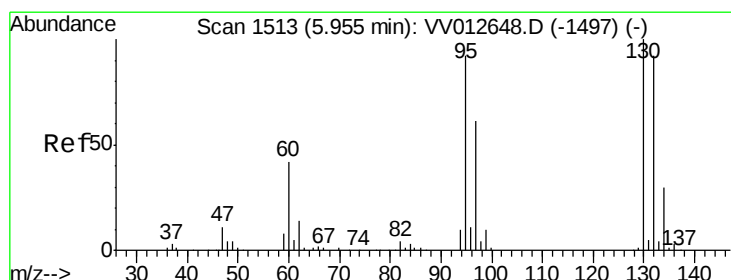
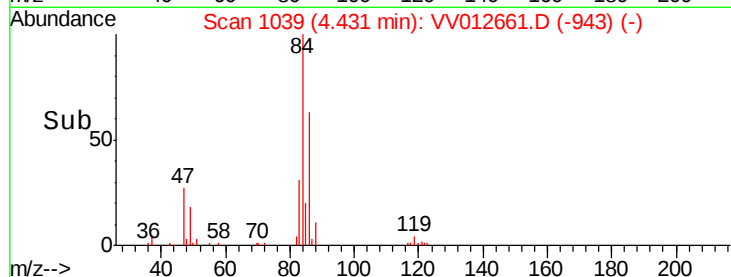
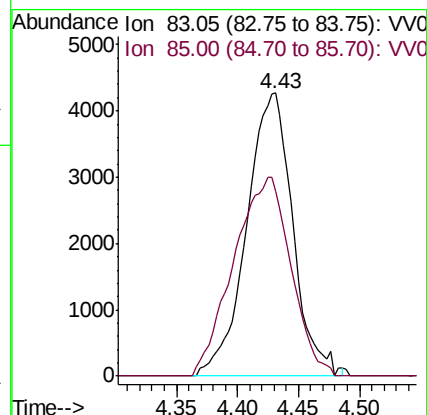
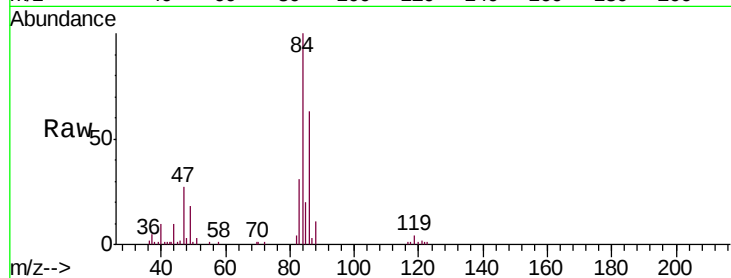
BFDA8DL

Tgt Ion: 83 Resp: 11196

Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1



#34

Trichloroethene

Concen: 6.090 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012661.D

Acq: 10 Sep 2019 17:22

Tgt Ion: 95 Resp: 189876

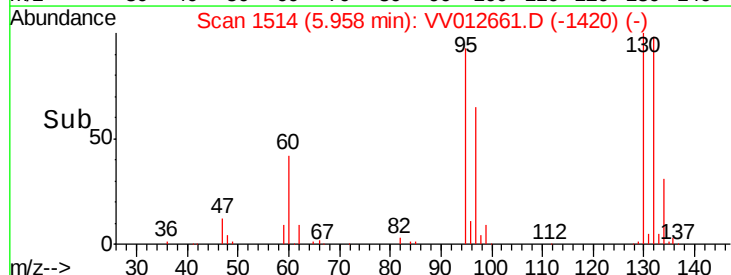
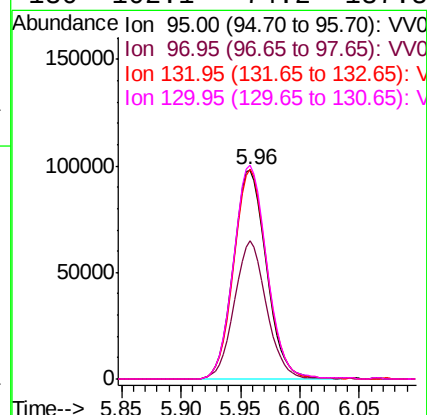
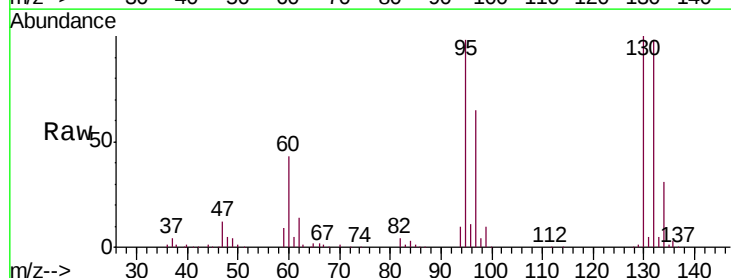
Ion Ratio Lower Upper

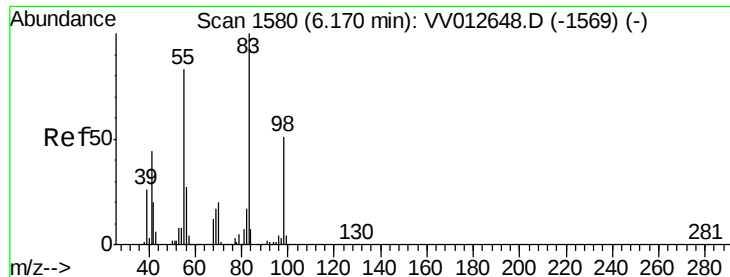
95 100

97 65.9 45.4 84.2

132 100.4 70.2 130.4

130 102.1 74.2 137.8

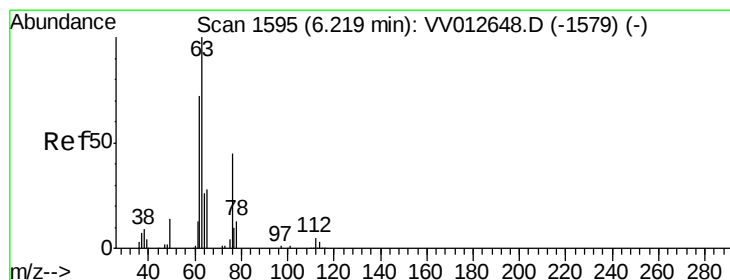
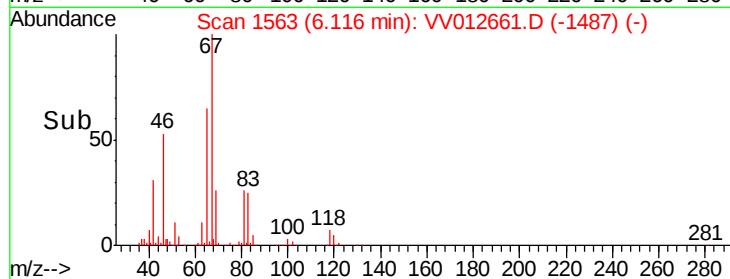
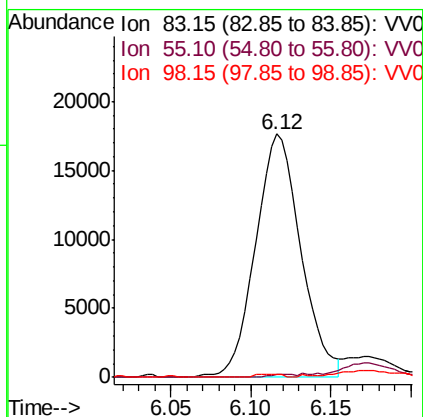
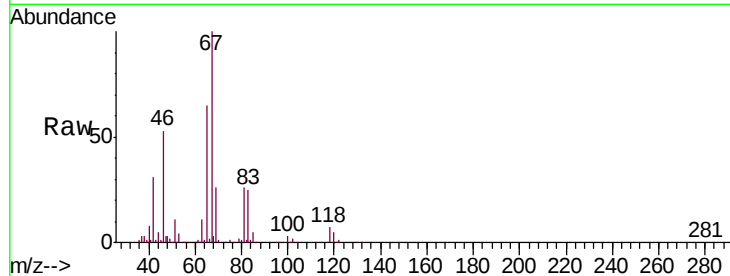




#35
Methylcyclohexane
Concen: 0.782 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

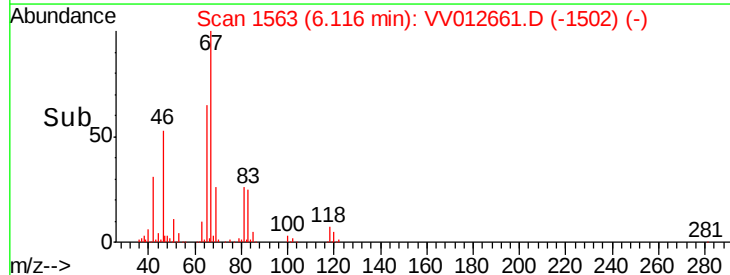
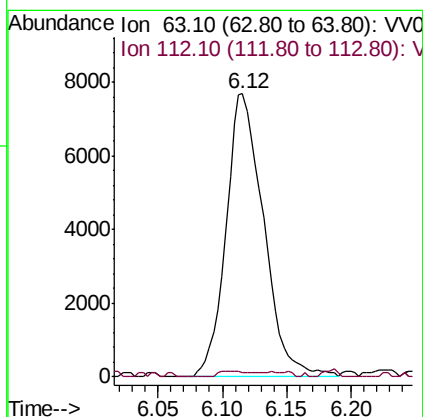
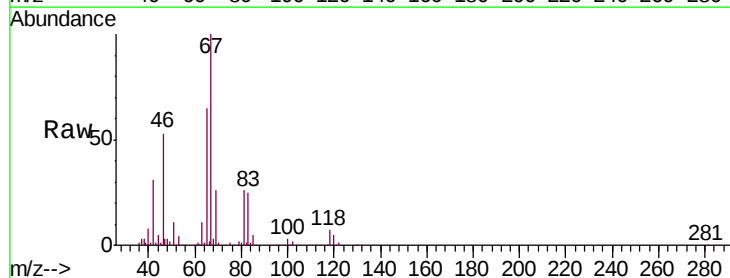
Instrument :
MSVOA_V
ClientSampleId :
BFDA8DL

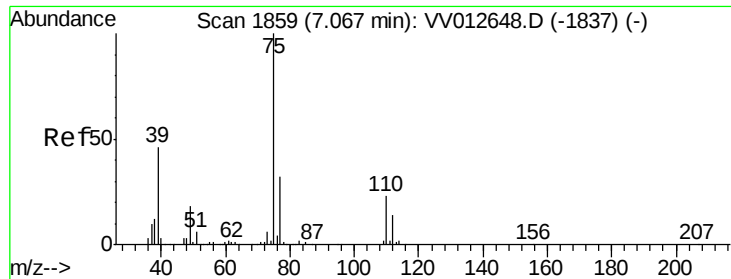
Tgt Ion: 83 Resp: 34448
Ion Ratio Lower Upper
83 100
55 0.7 63.0 94.4#
98 1.1 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 0.554 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

Tgt Ion: 63 Resp: 15578
Ion Ratio Lower Upper
63 100
112 0.2 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV012661.D

Acq: 10 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

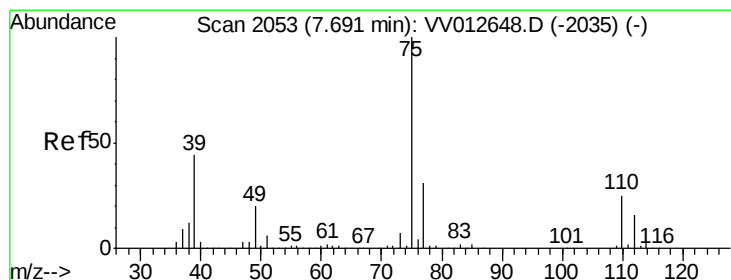
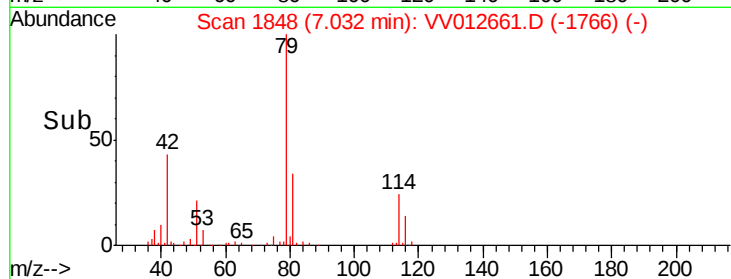
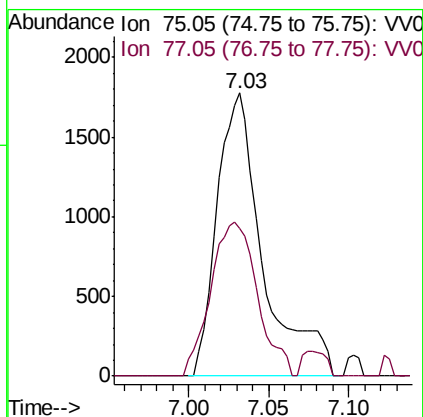
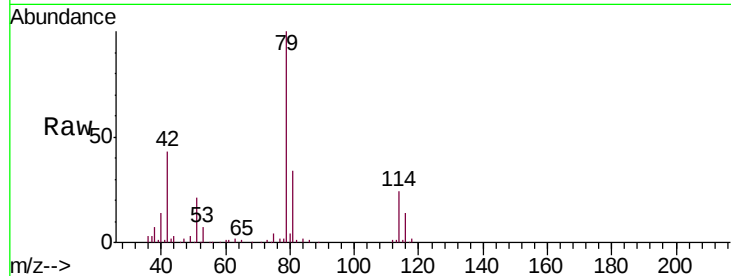
BFDA8DL

Tgt Ion: 75 Resp: 3517

Ion Ratio Lower Upper

75 100

77 52.3 22.3 41.3#



#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV012661.D

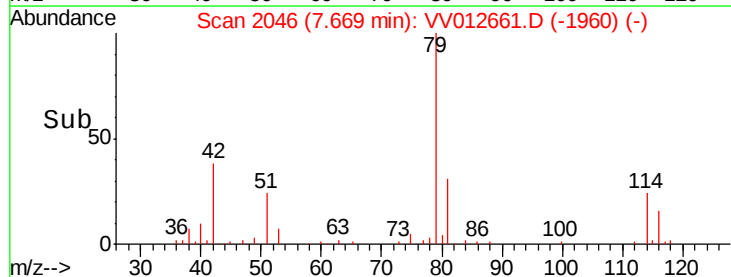
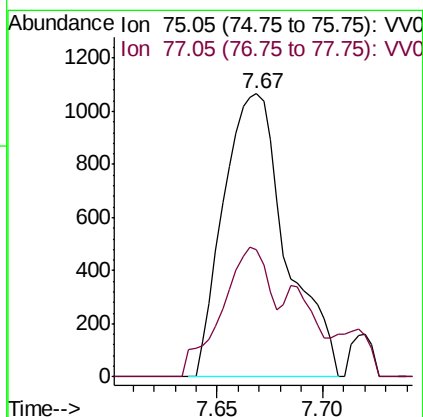
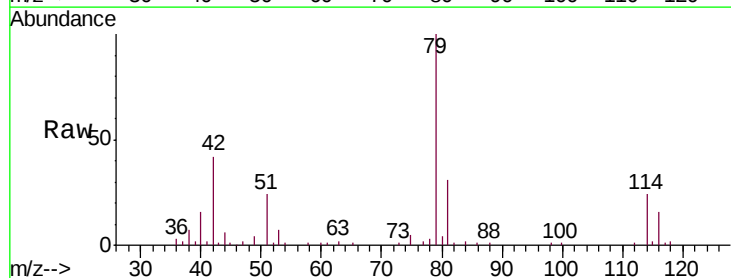
Acq: 10 Sep 2019 17:22

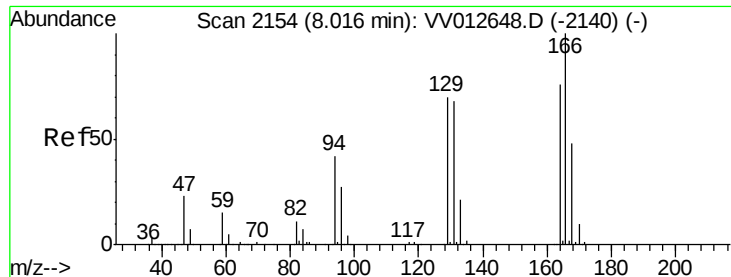
Tgt Ion: 75 Resp: 2202

Ion Ratio Lower Upper

75 100

77 45.1 22.4 41.6#

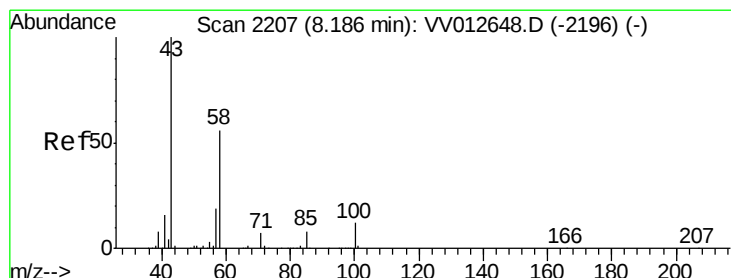
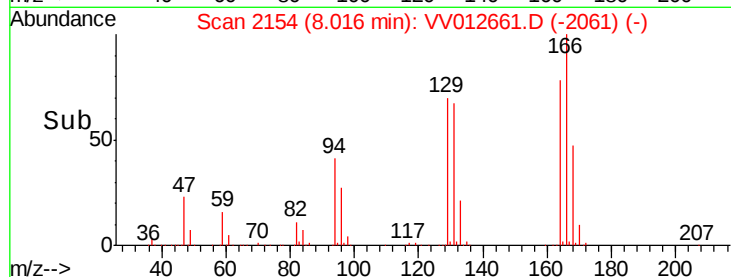
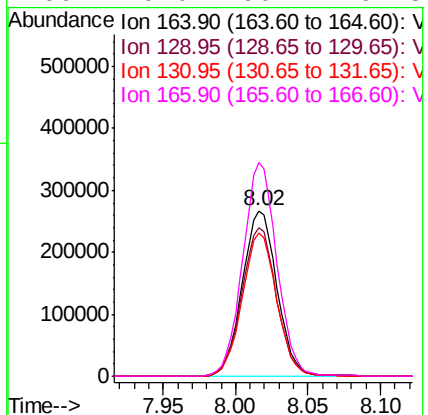
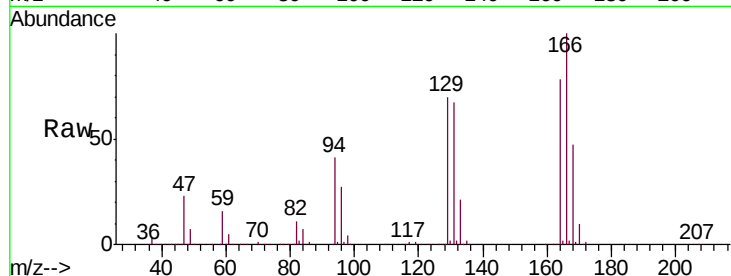




#47
Tetrachloroethene
Concen: 18.173 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

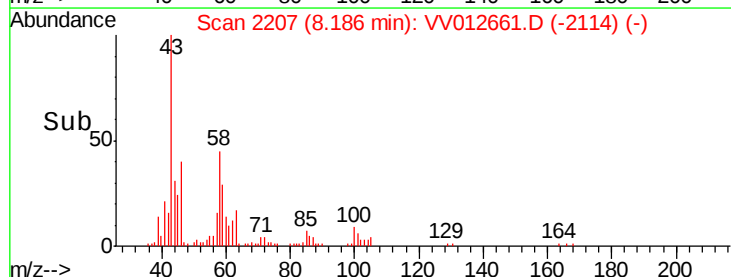
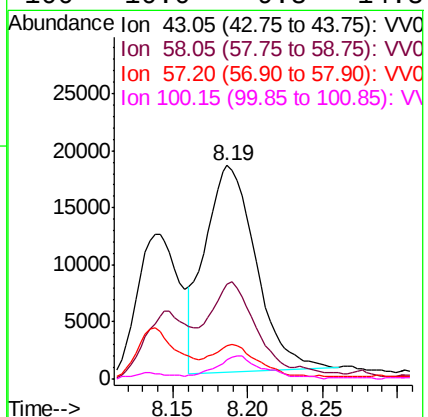
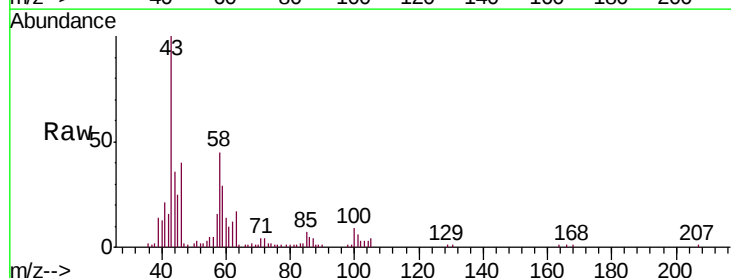
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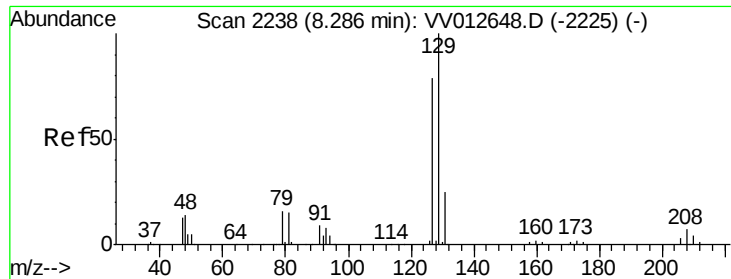
Tgt Ion:	164	Resp:	444801
Ion	Ratio	Lower	Upper
164	100		
129	89.8	61.9	114.9
131	86.4	59.7	110.9
166	129.0	90.4	167.8



#48
2-Hexanone
Concen: 3.854 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

Tgt Ion:	43	Resp:	42965
Ion	Ratio	Lower	Upper
43	100		
58	44.3	44.8	67.2#
57	14.2	14.9	22.3#
100	10.0	9.8	14.8





#49

Dibromochloromethane

Concen: 16.553 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012661.D

Acq: 10 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

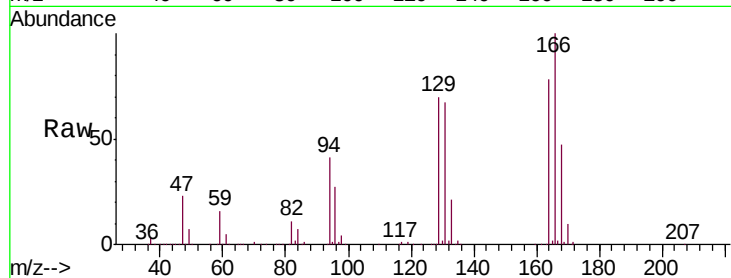
BFDA8DL

Tgt Ion:129 Resp: 385388

Ion Ratio Lower Upper

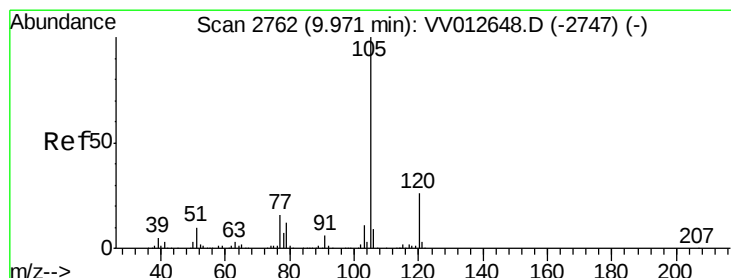
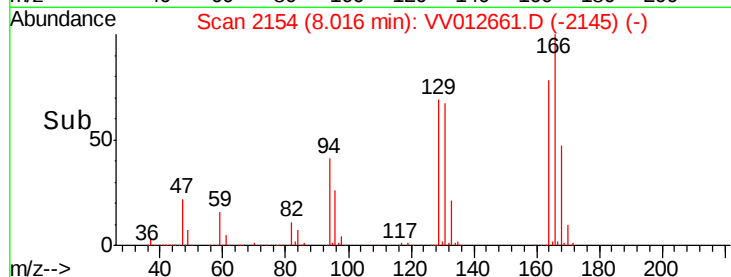
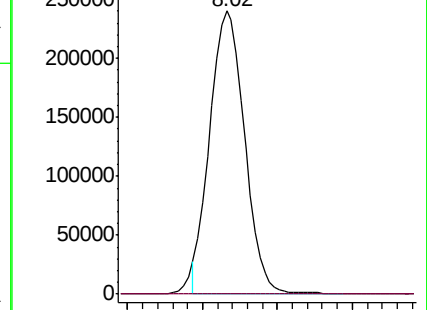
129 100

127 0.1 53.5 99.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#56

Isopropylbenzene

Concen: 0.058 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012661.D

Acq: 10 Sep 2019 17:22

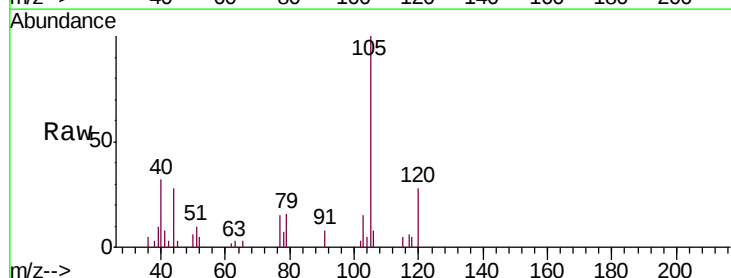
Tgt Ion:105 Resp: 6985

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

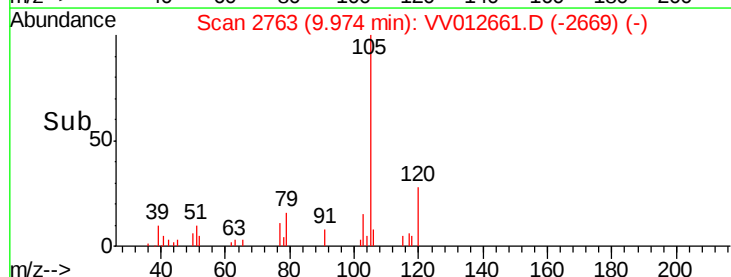
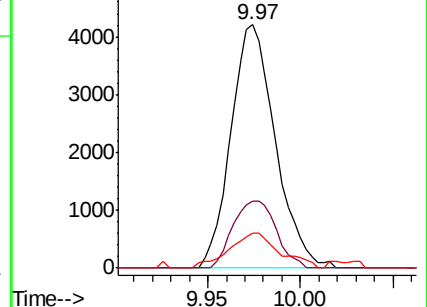
77 16.5 12.2 18.4

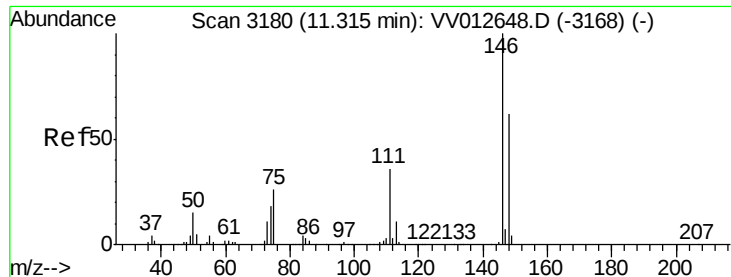


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

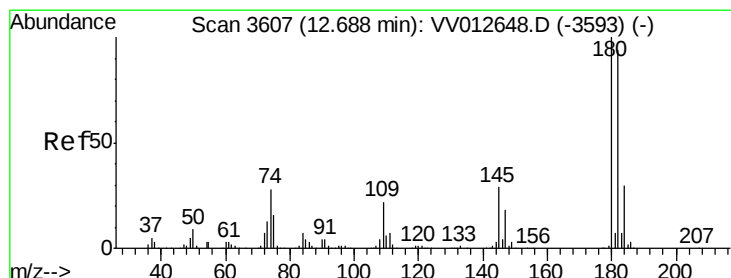
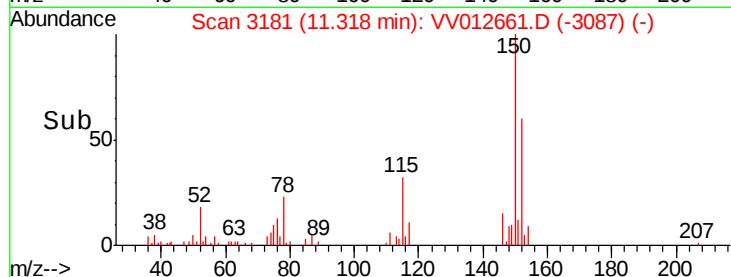
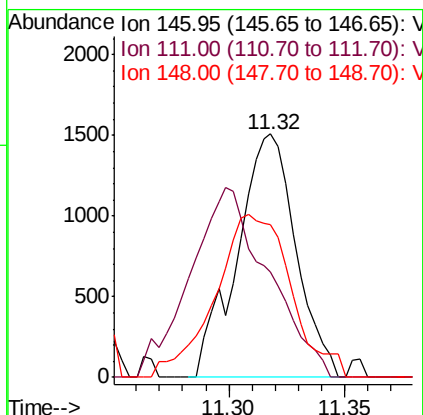
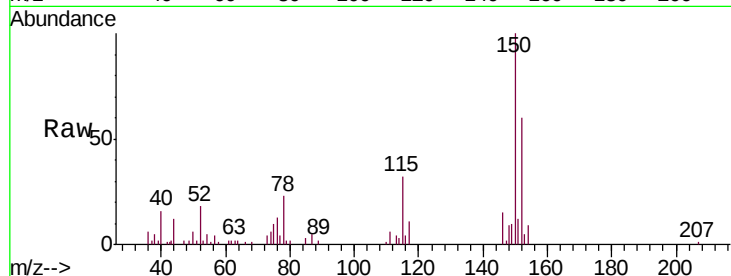




#63
 1,4-Dichlorobenzene
 Concen: 0.056 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012661.D
 Acq: 10 Sep 2019 17:22

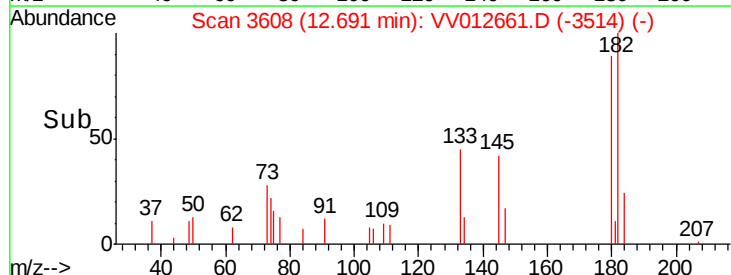
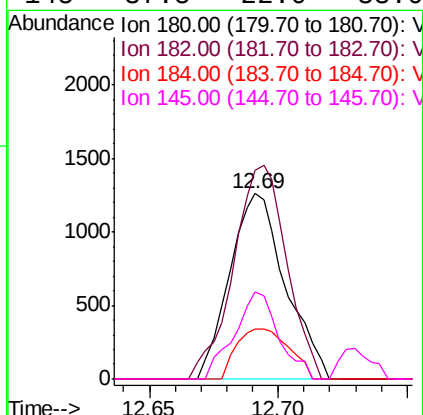
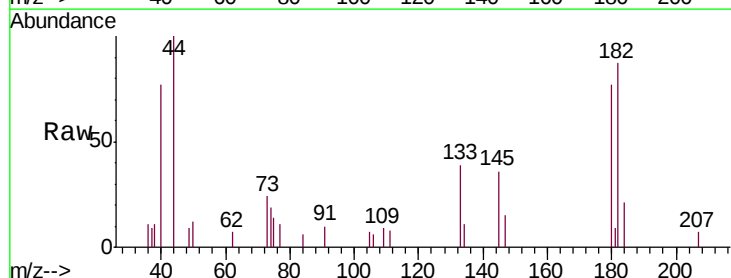
Instrument :
 MSVOA_V
 ClientSampleId :
 BFDA8DL

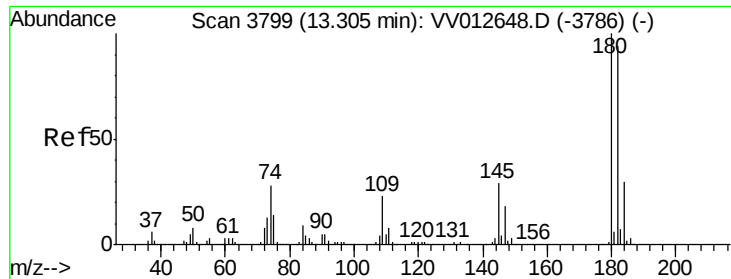
Tgt Ion:146 Resp: 2655
 Ion Ratio Lower Upper
 146 100
 111 43.1 25.9 48.1
 148 62.8 45.1 83.7



#67
 1,3,5-Trichlorobenzene
 Concen: 0.054 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012661.D
 Acq: 10 Sep 2019 17:22

Tgt Ion:180 Resp: 1894
 Ion Ratio Lower Upper
 180 100
 182 110.2 76.2 114.4
 184 25.4 24.3 36.5
 145 37.5 22.0 33.0#

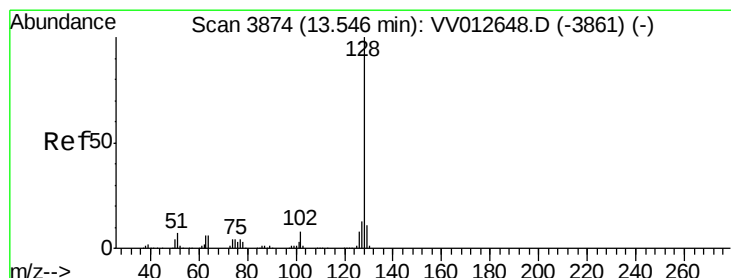
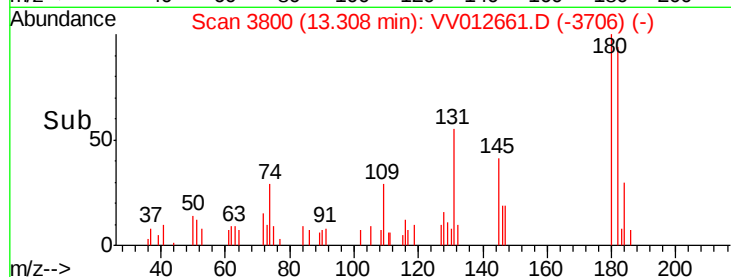
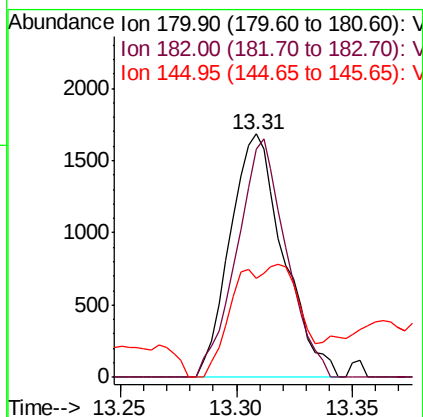
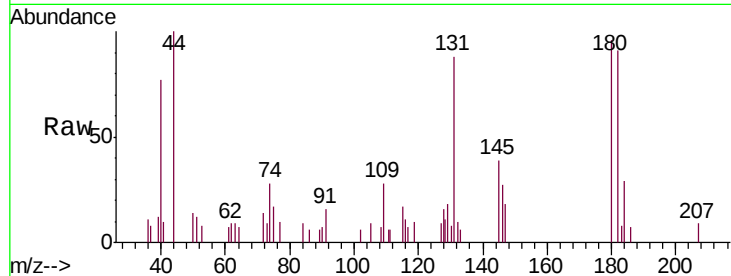




#68
1,2,4-trichlorobenzene
Concen: 0.096 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

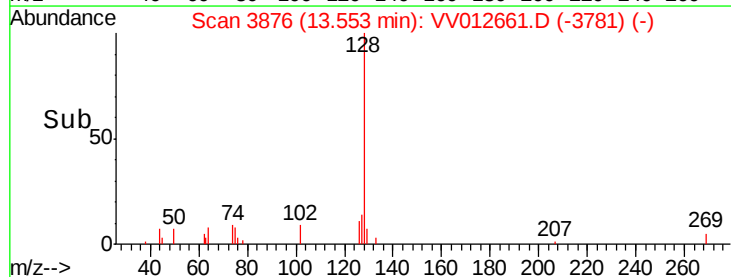
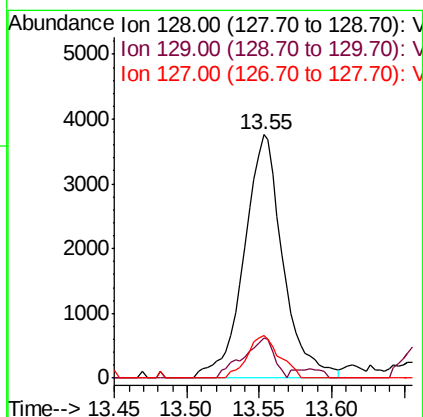
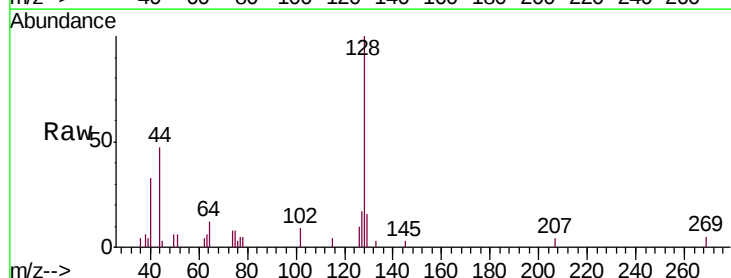
Instrument :
MSVOA_V
ClientSampleId :
BFDA8DL

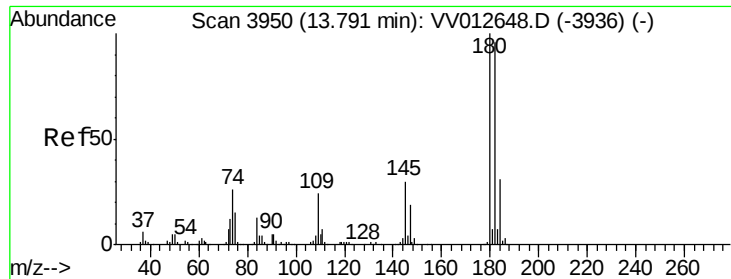
Tgt Ion:180 Resp: 2693
Ion Ratio Lower Upper
180 100
182 90.8 76.1 114.1
145 24.4 23.2 34.8



#69
Naphthalene
Concen: 0.165 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV012661.D
Acq: 10 Sep 2019 17:22

Tgt Ion:128 Resp: 6989
Ion Ratio Lower Upper
128 100
129 13.2 8.7 13.1#
127 14.4 10.2 15.4





#70
 1,2,3-Trichlorobenzene
 Concen: 0.092 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV012661.D
 Acq: 10 Sep 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDA8DL

Tgt Ion:180 Resp: 2426
 Ion Ratio Lower Upper
 180 100
 182 84.6 77.0 115.6
 145 39.3 24.5 36.7#

