

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014162.D
 Acq On : 23 Dec 2019 17:07
 Operator : SY/MD
 Sample : K6404-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:37:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:34:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	386559	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	363073	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	163794	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132823	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	112616	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.12	63	178707	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.95	46	241229	46.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.20%
24) Chloroform-d	4.39	84	254025	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.07	65	129208	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.09	84	524167	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.11	67	148759	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.35	98	417619	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.66	79	52304	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.13	63	188430	46.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.22%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	98305	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	159086	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

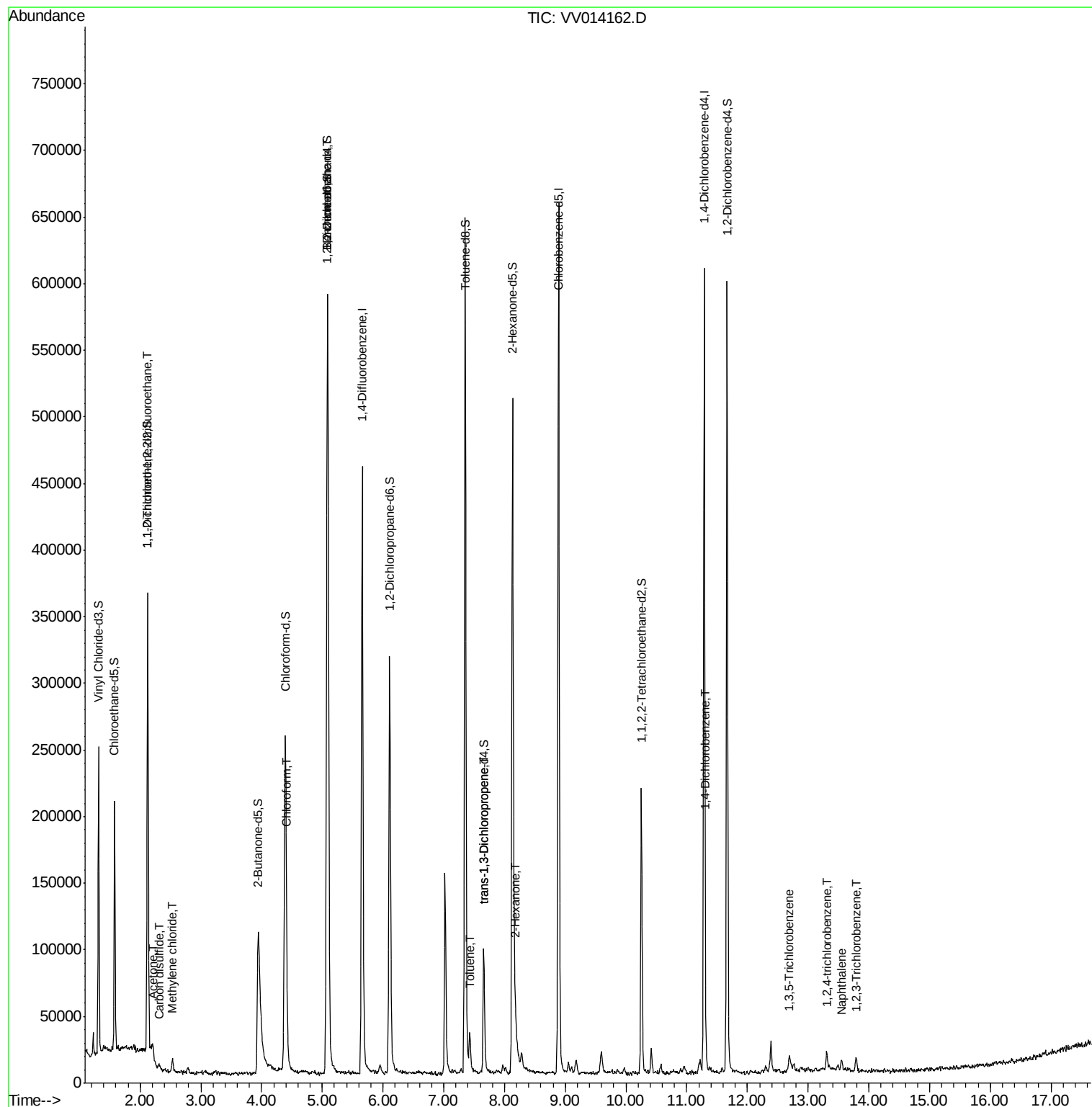
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2905	0.127	ug/L #	31
13) Acetone	2.22	43	6109	1.433	ug/L	74
14) Carbon disulfide	2.31	76	4522	0.061	ug/L #	85
16) Methylene chloride	2.53	84	4358	0.145	ug/L	98
25) Chloroform	4.42	83	5909	0.118	ug/L	84
27) 1,2-Dichloroethane	5.08	62	3492	0.122	ug/L	99
42) Toluene	7.43	91	19843	0.185	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	2439	0.087	ug/L	90
48) 2-Hexanone	8.18	43	12684	1.261	ug/L #	66
63) 1,4-Dichlorobenzene	11.32	146	4401	0.091	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	2871	0.073	ug/L #	73
68) 1,2,4-trichlorobenzene	13.31	180	3826	0.119	ug/L #	82
69) Naphthalene	13.55	128	5527	0.131	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	3208	0.108	ug/L #	92

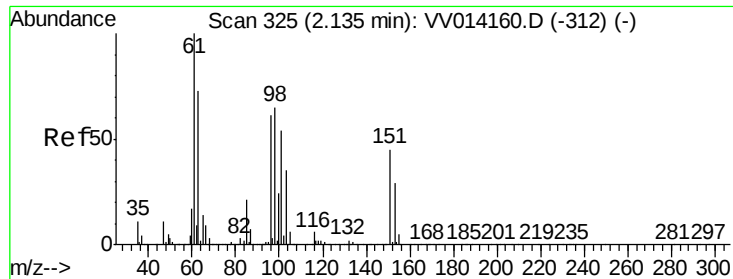
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 24 01:34:37 2019
Response via : Initial Calibration





#10

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

Concen: 0.127 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014162.D

Acq: 23 Dec 2019 17:07

Instrument :

MSVOA_V

ClientSampleId :

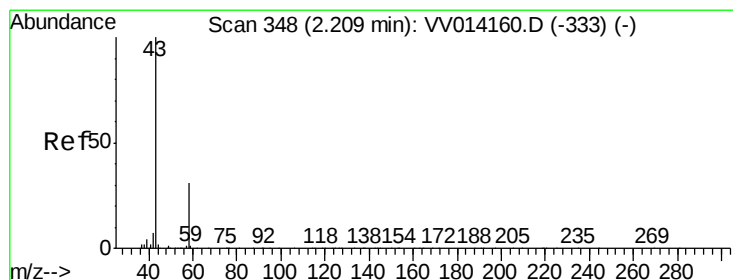
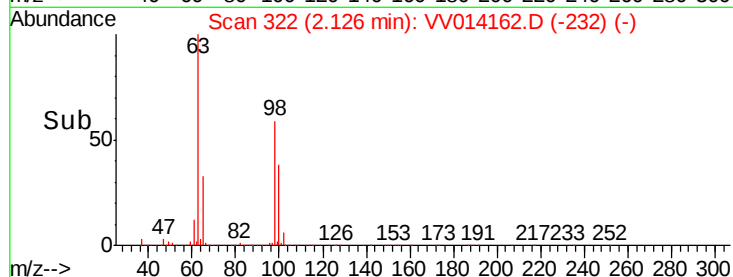
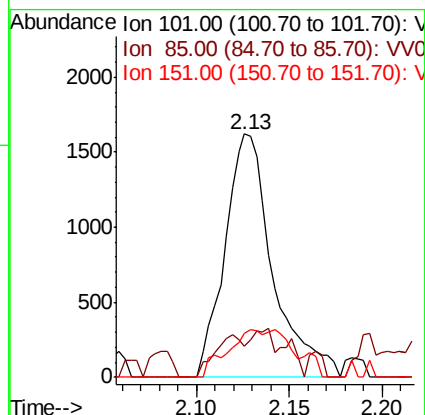
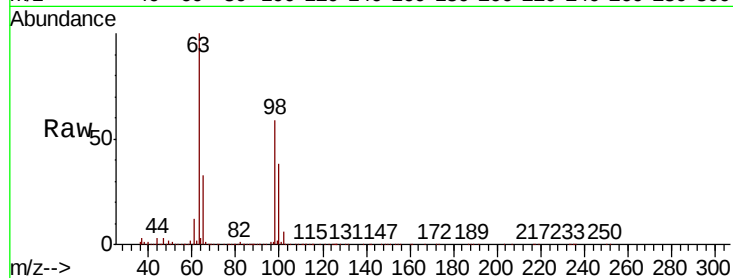
Tot Ion:101 Resp: 2905

Ion Ratio Lower Upper

101 100

85 10.5 34.7 52.1#

151 14.6 69.1 103.7#



#13

Acetone

Concen: 1.433 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV014162.D

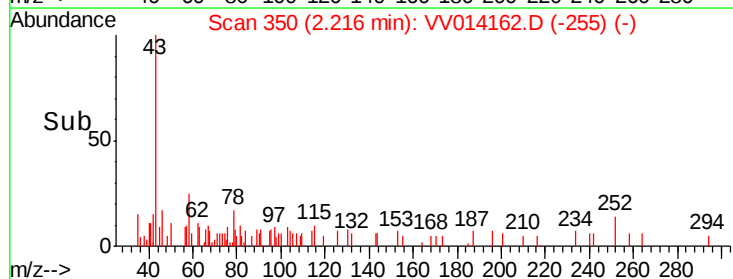
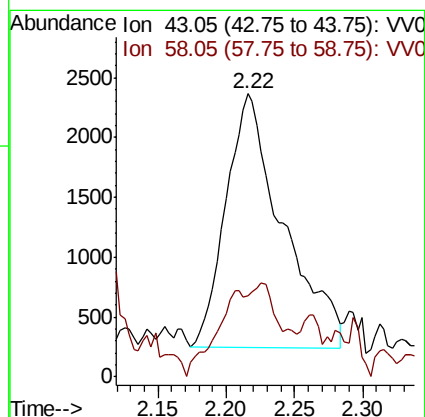
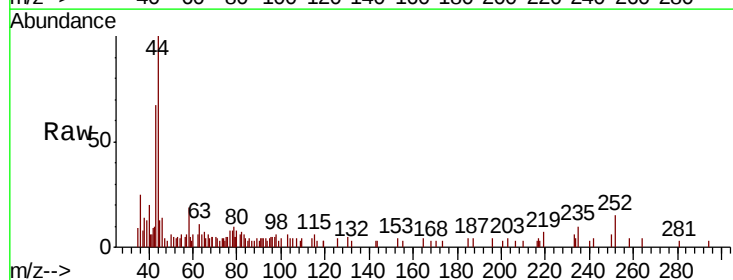
Acq: 23 Dec 2019 17:07

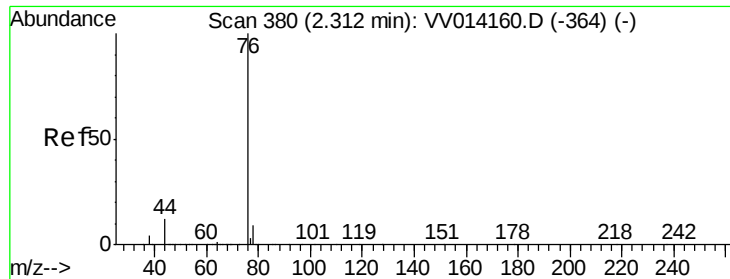
Tgt Ion: 43 Resp: 6109

Ion Ratio Lower Upper

43 100

58 15.3 0.0 58.8





#14

Carbon disulfide

Concen: 0.061 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014162.D

Acq: 23 Dec 2019 17:07

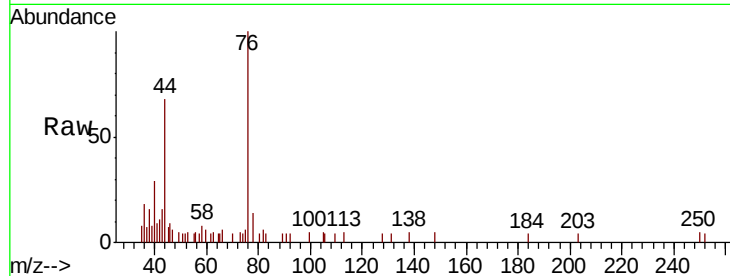
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 4522

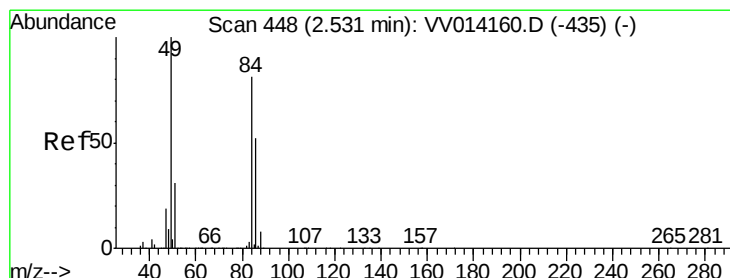
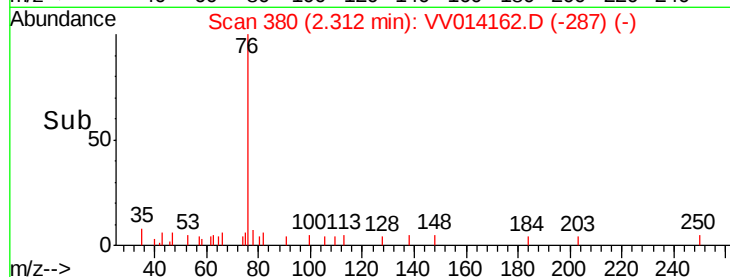
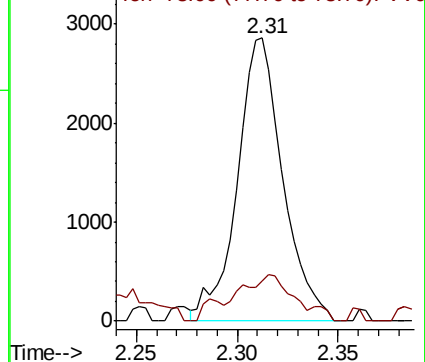
Ion Ratio Lower Upper

76 100

78 14.3 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.145 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV014162.D

Acq: 23 Dec 2019 17:07

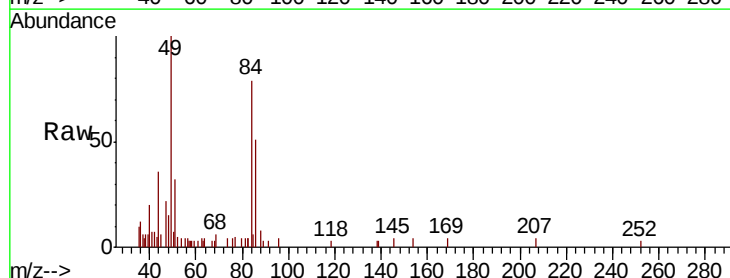
Tgt Ion: 84 Resp: 4358

Ion Ratio Lower Upper

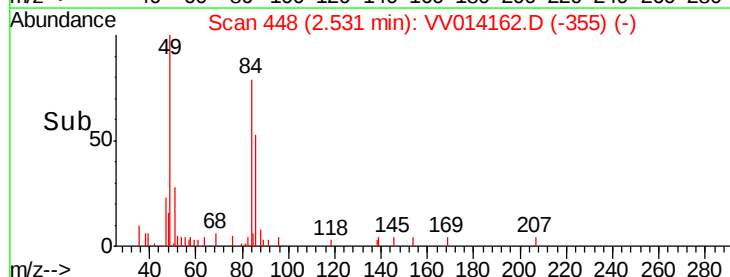
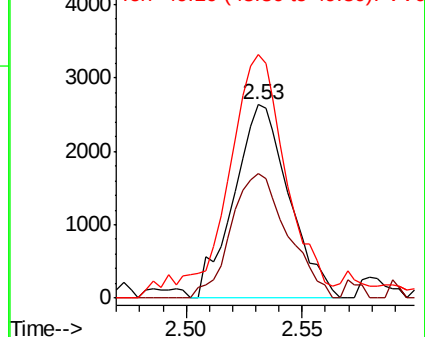
84 100

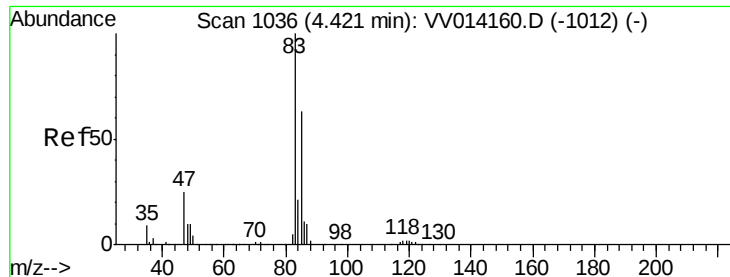
86 64.6 46.3 85.9

49 126.1 89.8 166.8



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

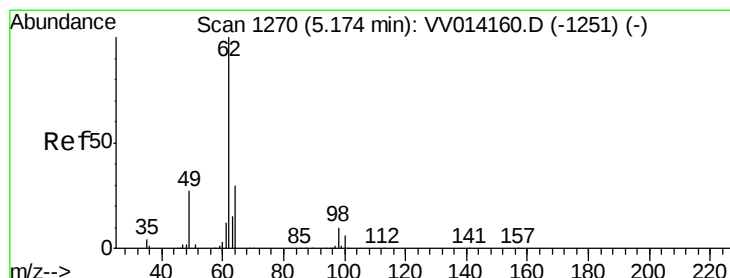
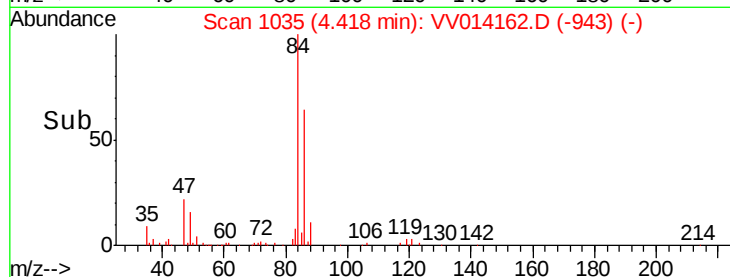
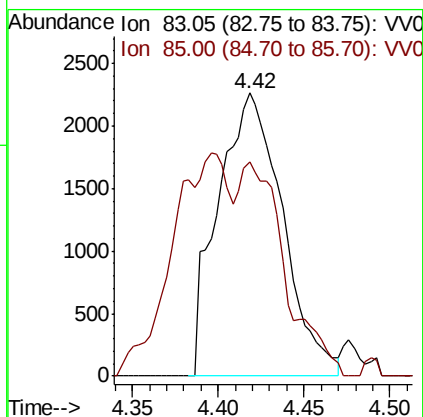
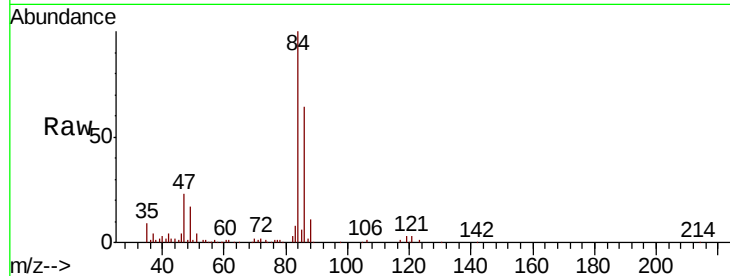




#25
Chloroform
Concen: 0.118 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014162.D
Acq: 23 Dec 2019 17:07

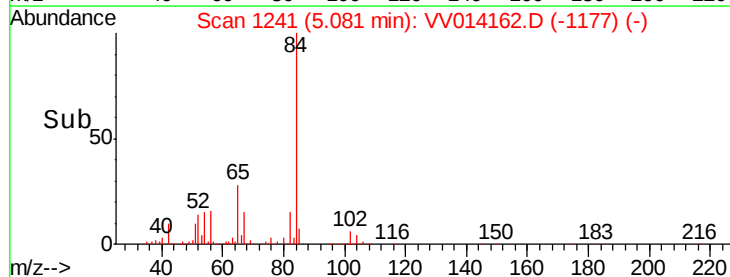
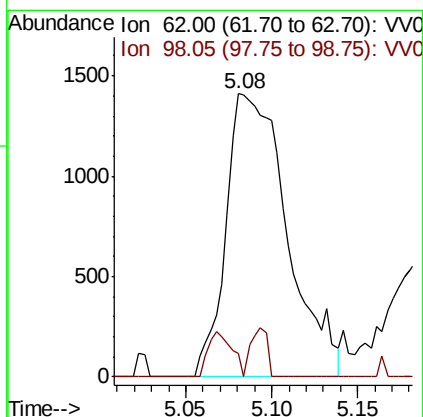
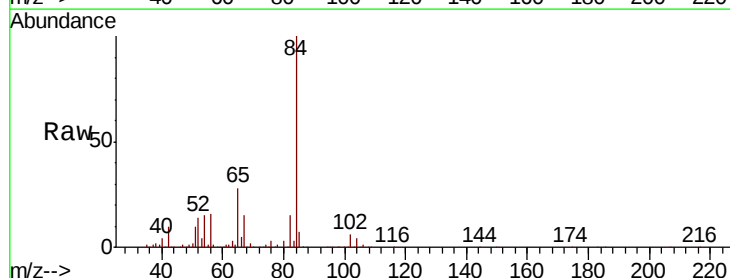
Instrument :
MSVOA_V
ClientSampled :

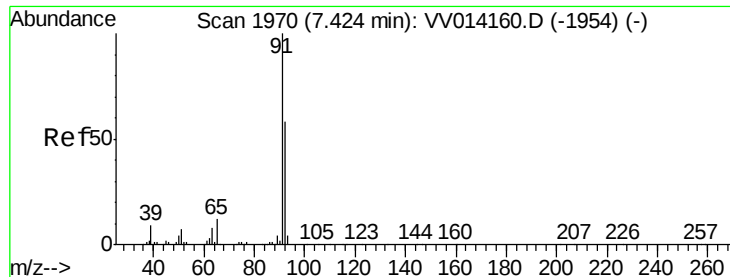
Tot Ion: 83 Resp: 5909
Ion Ratio Lower Upper
83 100
85 75.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.122 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.09 min
Lab File: VV014162.D
Acq: 23 Dec 2019 17:07

Tgt Ion: 62 Resp: 3492
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6





#42

Toluene

Concen: 0.185 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014162.D

Acq: 23 Dec 2019 17:07

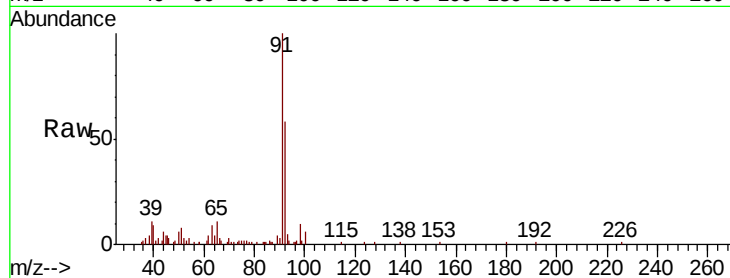
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 19843

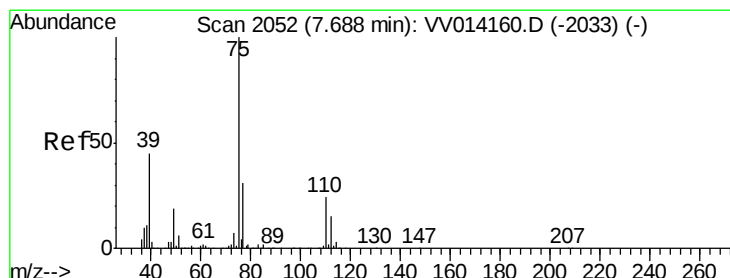
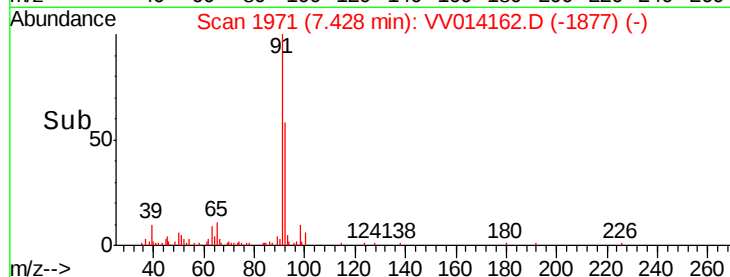
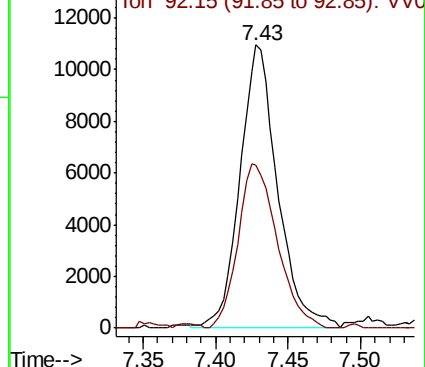
Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV014162.D (-1877) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV014162.D

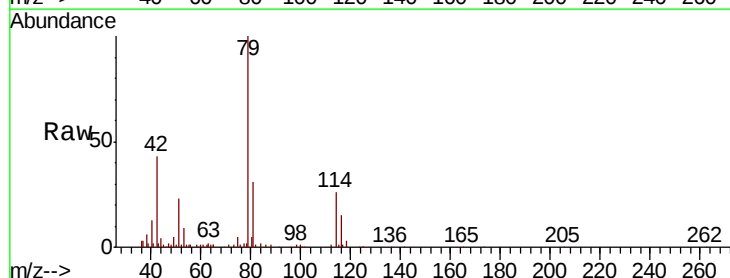
Acq: 23 Dec 2019 17:07

Tgt Ion: 75 Resp: 2439

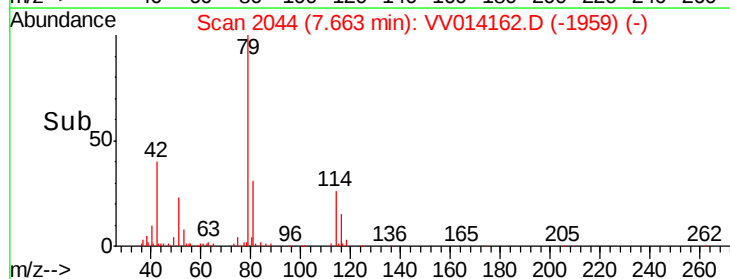
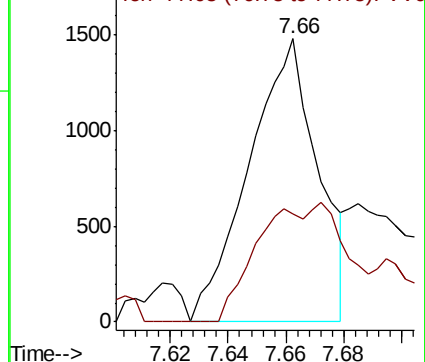
Ion Ratio Lower Upper

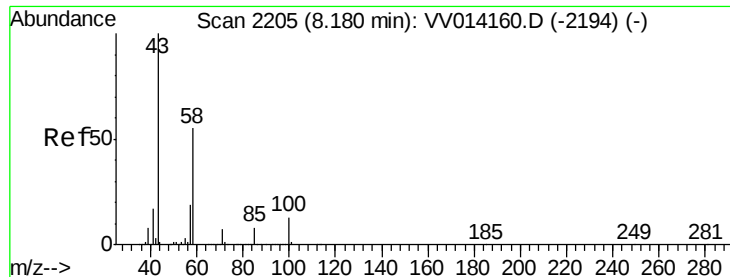
75 100

77 38.2 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV014162.D (-1959) (-)

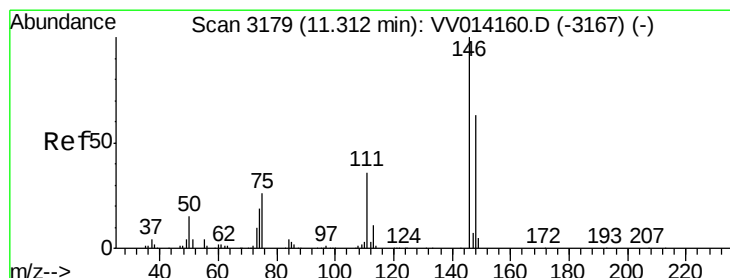
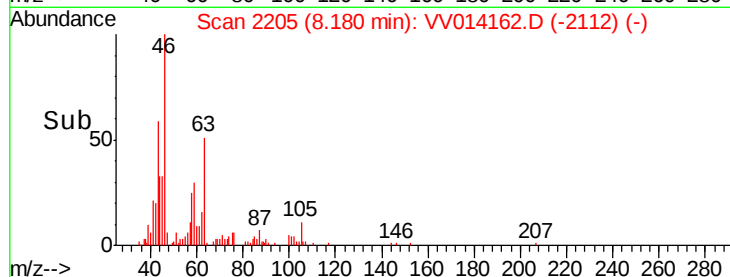
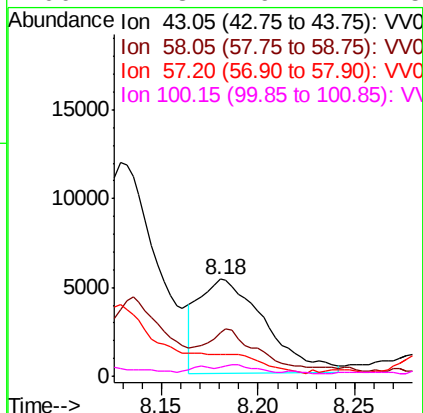
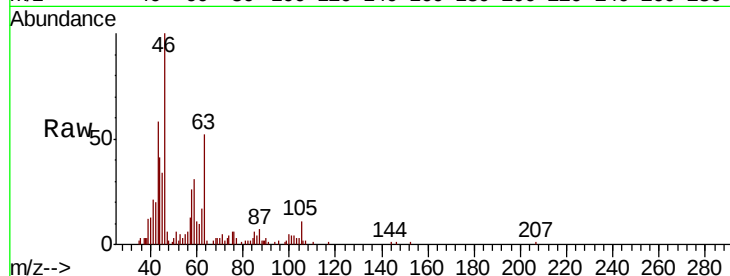




#48
2-Hexanone
Concen: 1.261 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014162.D
Acq: 23 Dec 2019 17:07

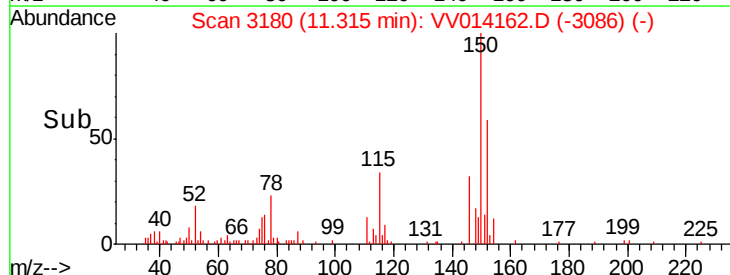
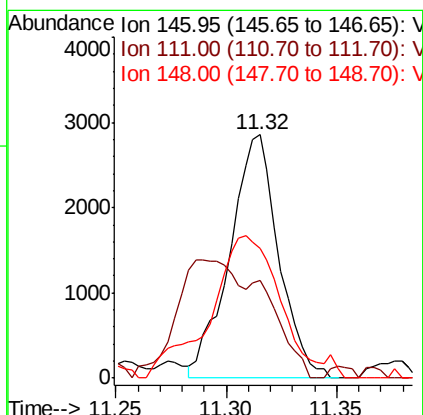
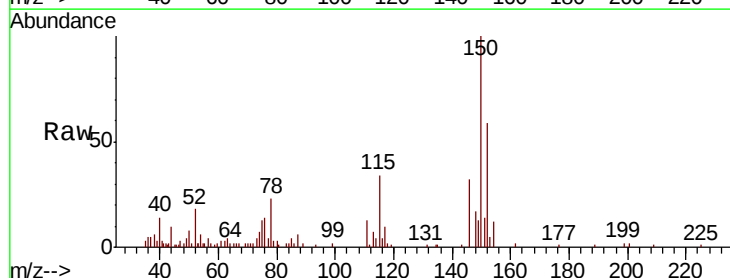
Instrument :
MSVOA_V
ClientSampleId :

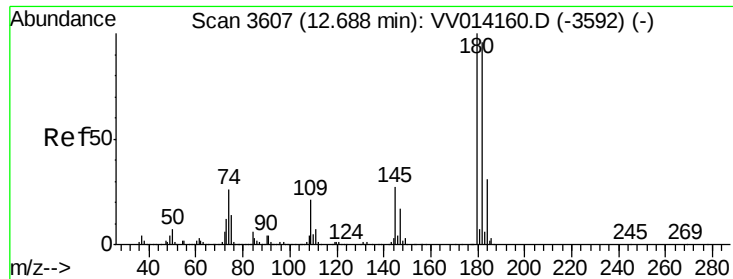
Tot Ion: 43 Resp: 12684
Ion Ratio Lower Upper
43 100
58 29.3 43.2 64.8#
57 0.0 14.8 22.2#
100 4.3 9.7 14.5#



#63
1,4-Dichlorobenzene
Concen: 0.091 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV014162.D
Acq: 23 Dec 2019 17:07

Tgt Ion: 146 Resp: 4401
Ion Ratio Lower Upper
146 100
111 40.4 25.7 47.7
148 53.4 45.1 83.7

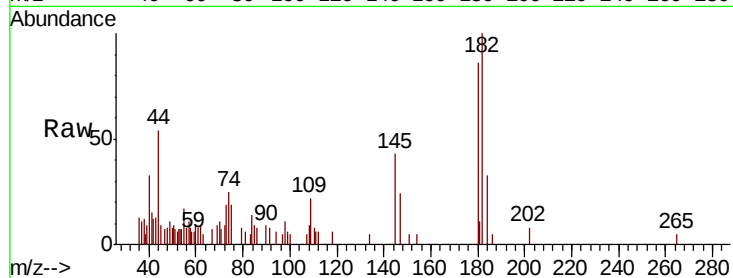




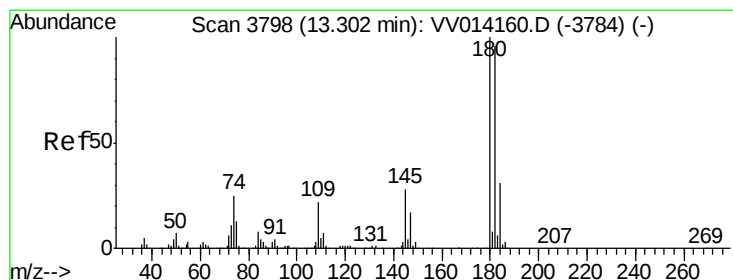
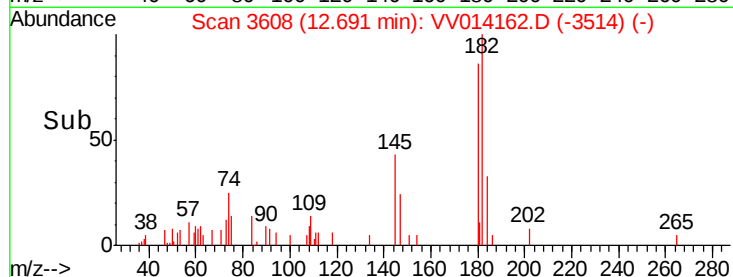
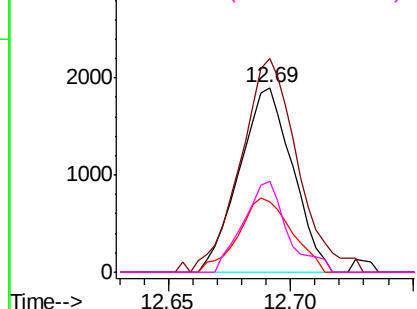
#67
 1,3,5-Trichlorobenzene
 Concen: 0.073 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV014162.D
 Acq: 23 Dec 2019 17:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 2871
 Ion Ratio Lower Upper
 180 100
 182 123.8 75.9 113.9#
 184 40.1 24.4 36.6#
 145 40.6 21.8 32.6#

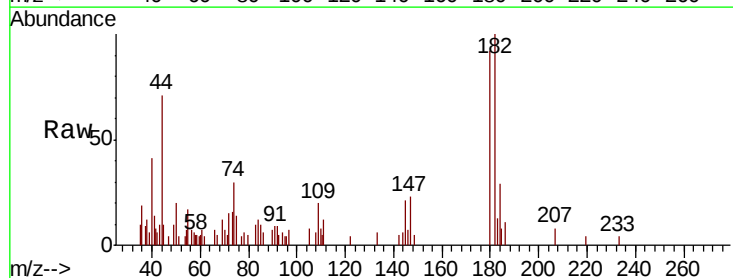


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

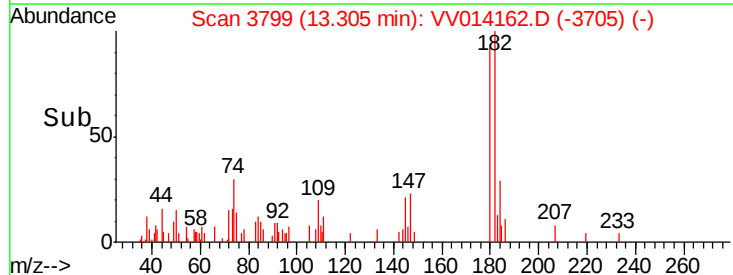
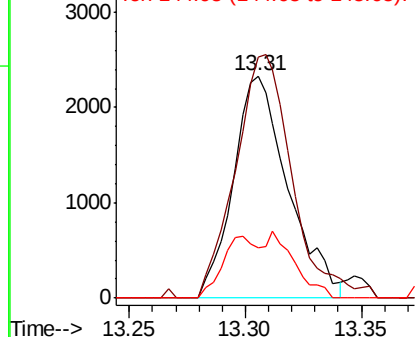


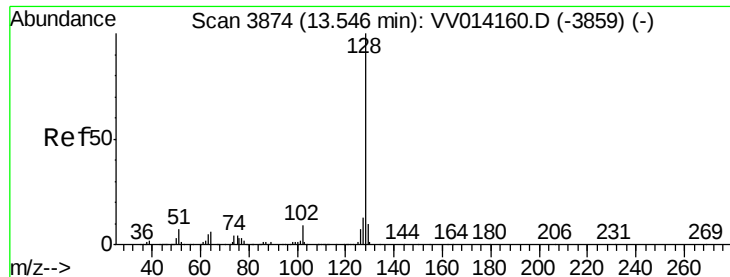
#68
 1,2,4-trichlorobenzene
 Concen: 0.119 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014162.D
 Acq: 23 Dec 2019 17:07

Tgt Ion:180 Resp: 3826
 Ion Ratio Lower Upper
 180 100
 182 113.2 76.9 115.3
 145 16.5 22.0 33.0#



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





#69

Naphthalene

Concen: 0.131 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV014162.D

Acq: 23 Dec 2019 17:07

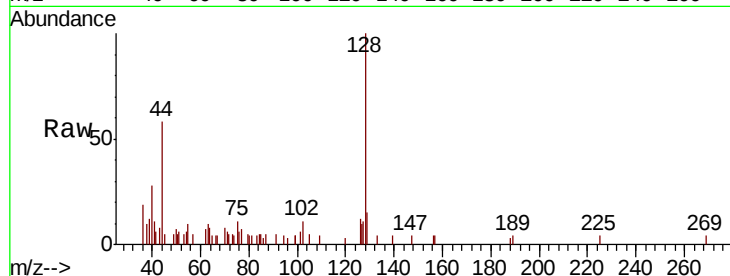
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 5527

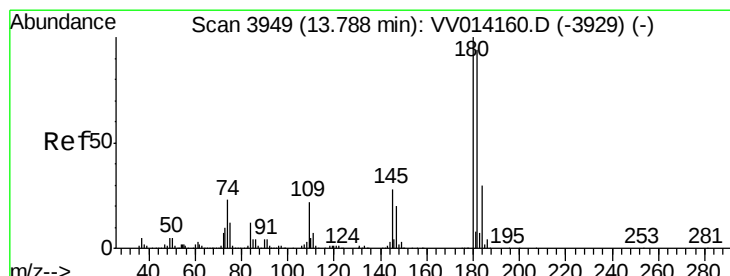
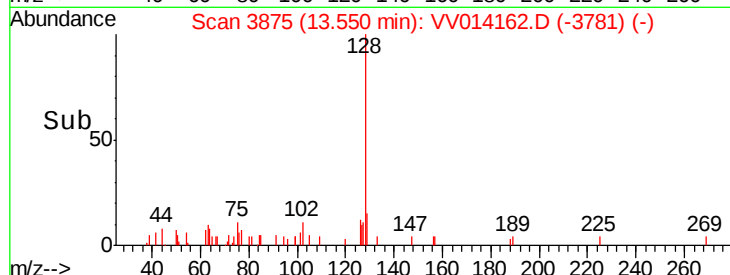
Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.6	12.8
127	14.4	10.8	16.2



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



#70

1,2,3-Trichlorobenzene

Concen: 0.108 ug/L

RT: 13.79 min Scan# 3949

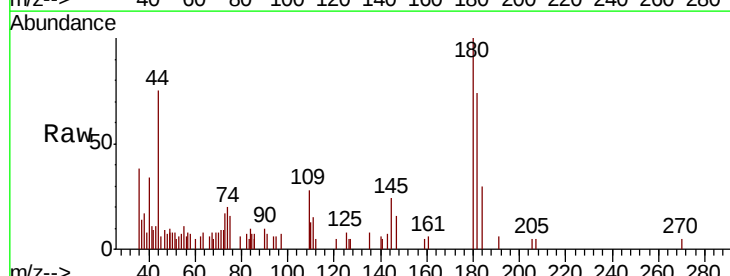
Delta R.T. 0.00 min

Lab File: VV014162.D

Acq: 23 Dec 2019 17:07

Tgt Ion:180 Resp: 3208

Ion	Ratio	Lower	Upper
180	100		
182	88.6	75.4	113.0
145	20.8	23.4	35.2#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

