

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013283.D
 Acq On : 22 Oct 2019 17:32
 Operator : SY/MD
 Sample : K5457-02
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	408365	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	440811	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	230569	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	194030	6.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.80%
7) Chloroethane-d5	1.58	69	160597	6.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.20%
11) 1,1-Dichloroethene-d2	2.13	63	244634	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	3.93	46	408992	70.74	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.48%#
24) Chloroform-d	4.40	84	389574	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	5.08	65	187824	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.10	84	790952	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	6.11	67	240993	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.36	98	659663	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.66	79	76031	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.13	63	238913	41.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	170250	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	265743	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

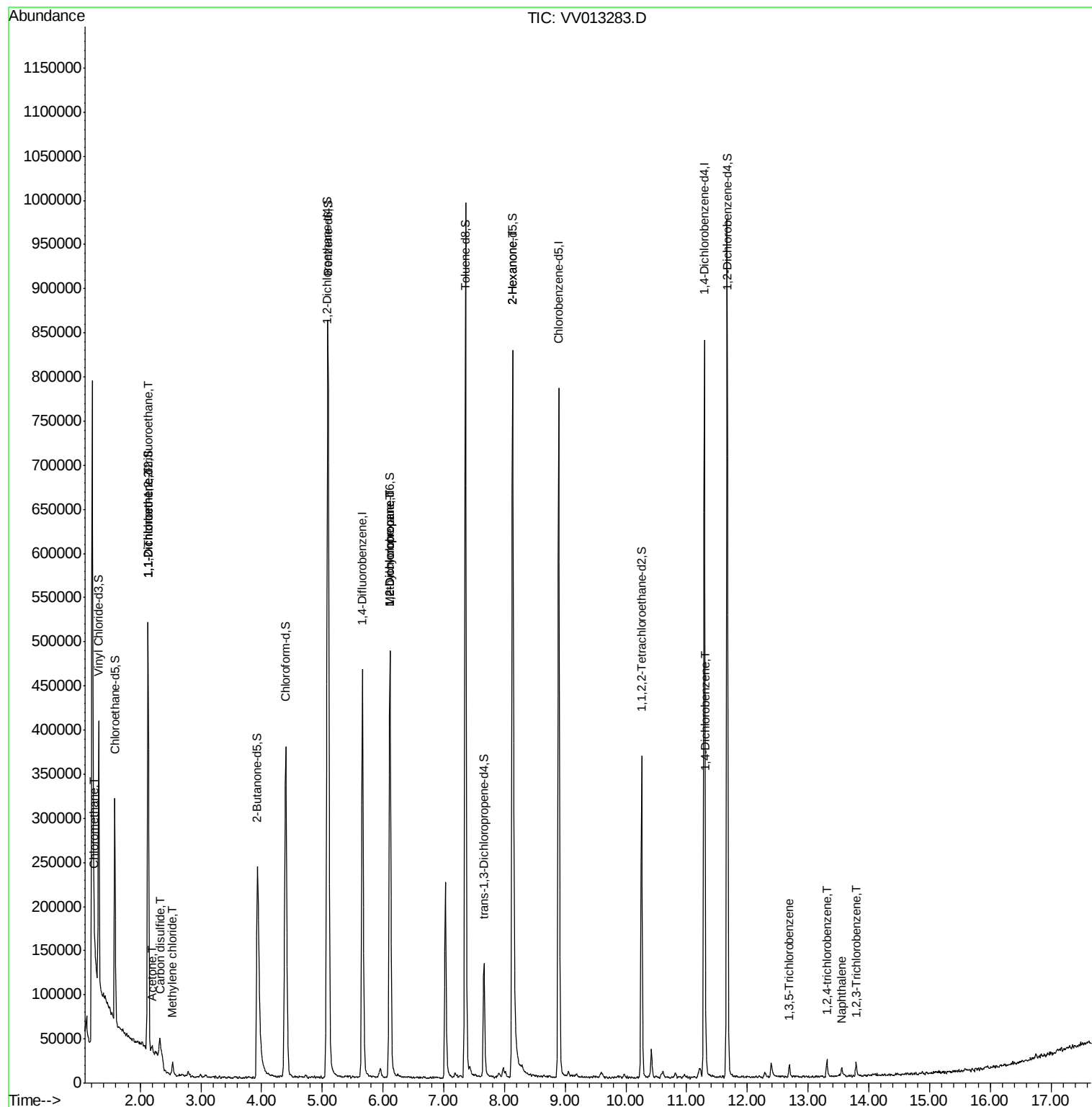
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5578	0.142	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2854	0.085	ug/L #	28
12) 1,1-Dichloroethene	2.13	96	2908	0.091	ug/L #	1
13) Acetone	2.20	43	7288	2.438	ug/L	88
14) Carbon disulfide	2.32	76	10096	0.110	ug/L #	72
16) Methylene chloride	2.53	84	6196	0.128	ug/L	83
35) Methylcyclohexane	6.11	83	59398	0.855	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	25549	0.625	ug/L #	85
48) 2-Hexanone	8.13	43	36518	2.447	ug/L #	81
63) 1,4-Dichlorobenzene	11.32	146	4741	0.058	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	4387	0.073	ug/L	88
68) 1,2,4-trichlorobenzene	13.31	180	6004	0.114	ug/L	99
69) Naphthalene	13.55	128	7550	0.104	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.79	180	5204	0.107	ug/L	94

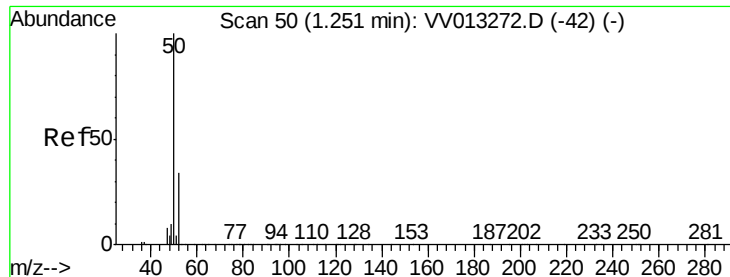
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 01:23:09 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.142 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

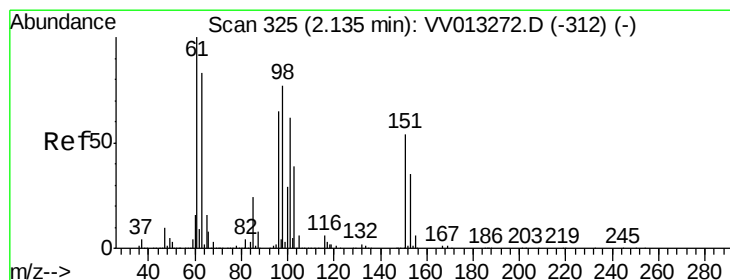
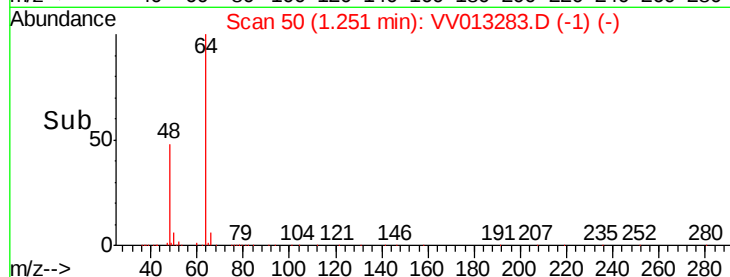
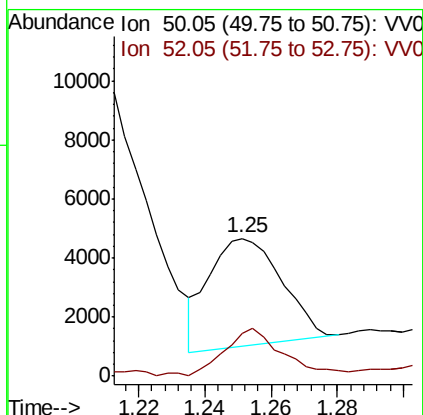
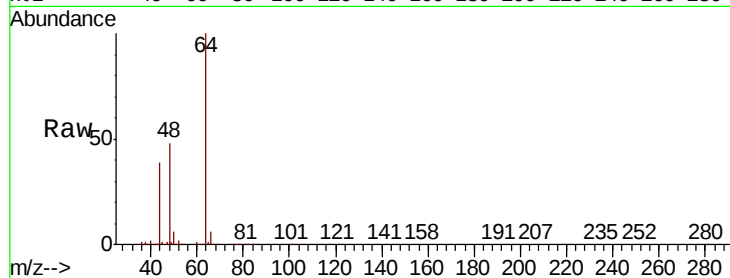
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 5578

Ion Ratio Lower Upper

50 100

52 31.0 23.3 43.3



#10

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

Concen: 0.085 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

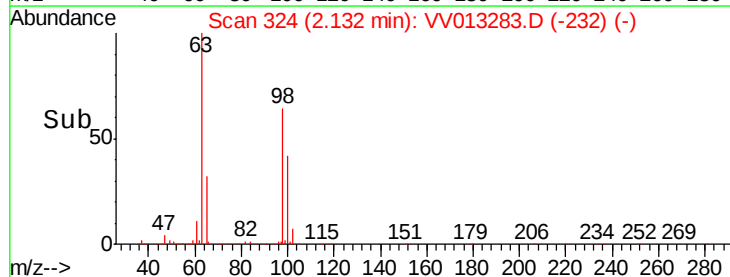
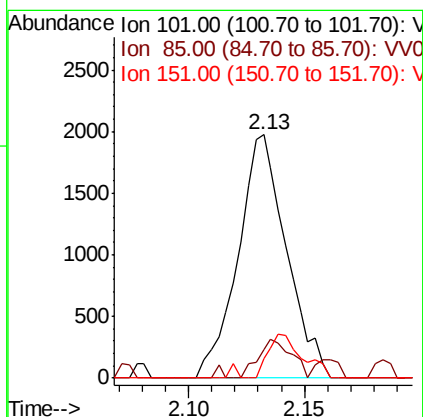
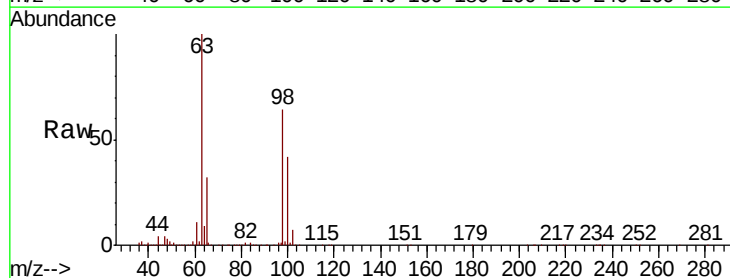
Tgt Ion: 101 Resp: 2854

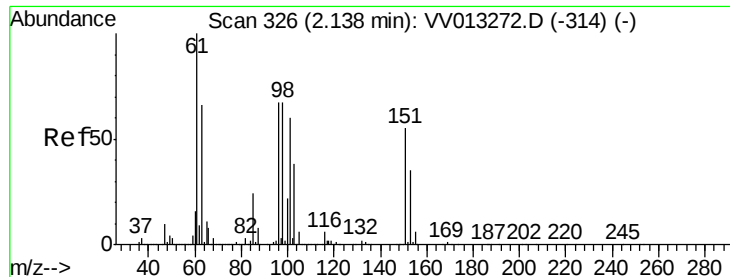
Ion Ratio Lower Upper

101 100

85 11.0 31.8 47.8#

151 12.9 72.9 109.3#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

Instrument :

MSVOA_V

ClientSampleId :

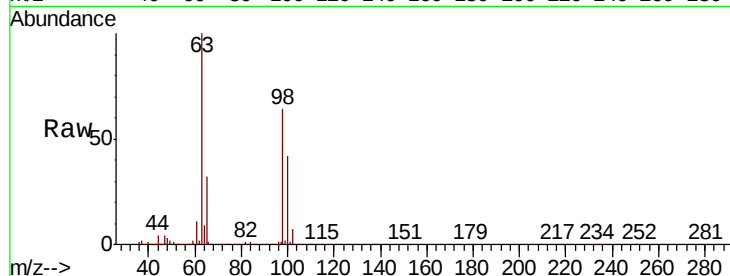
Tot Ion: 96 Resp: 2908

Ion Ratio Lower Upper

96 100

61 1057.0 104.0 193.1#

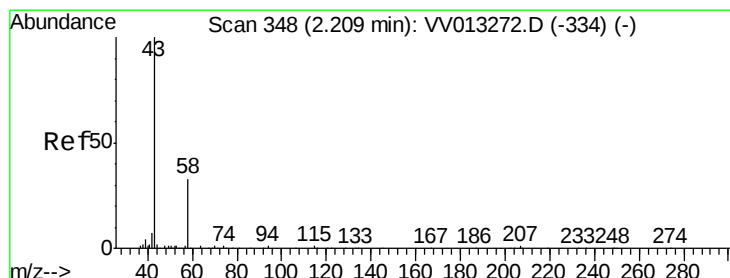
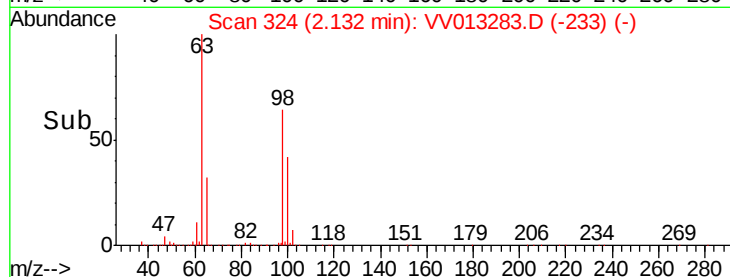
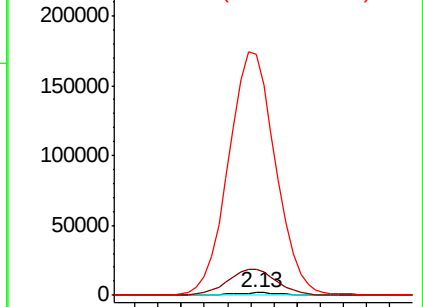
63 9608.9 67.1 124.5#



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: 2.438 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV013283.D

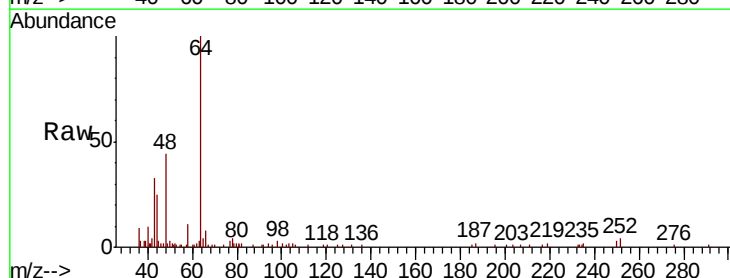
Acq: 22 Oct 2019 17:32

Tgt Ion: 43 Resp: 7288

Ion Ratio Lower Upper

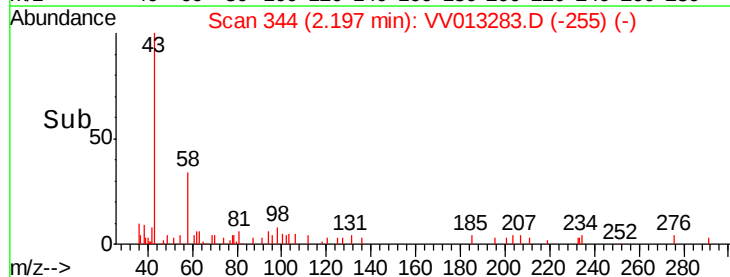
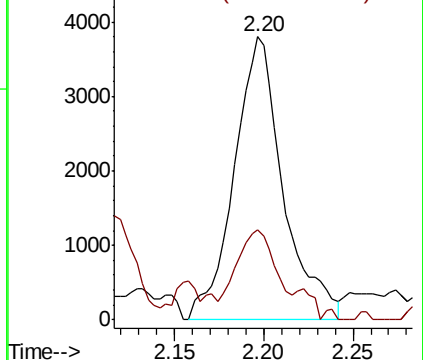
43 100

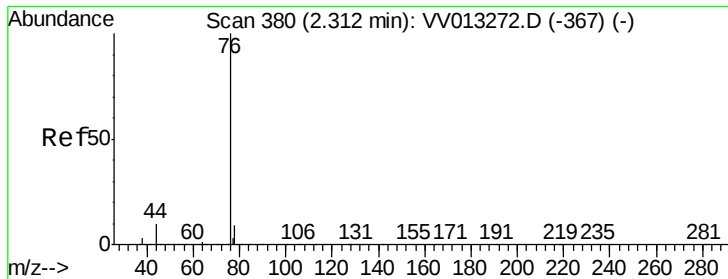
58 17.8 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.110 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

Instrument :

MSVOA_V

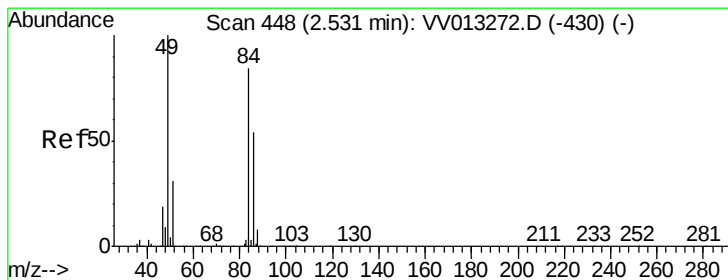
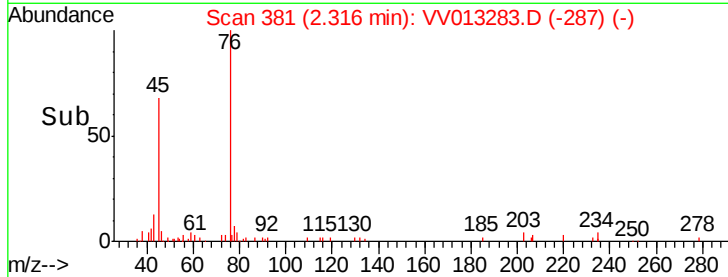
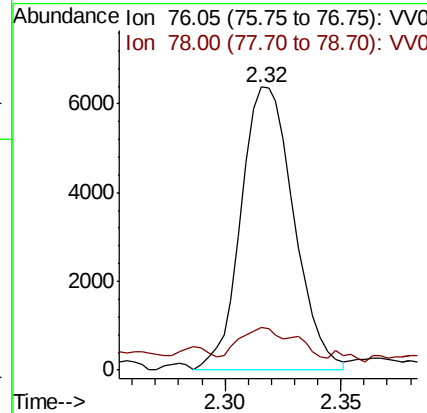
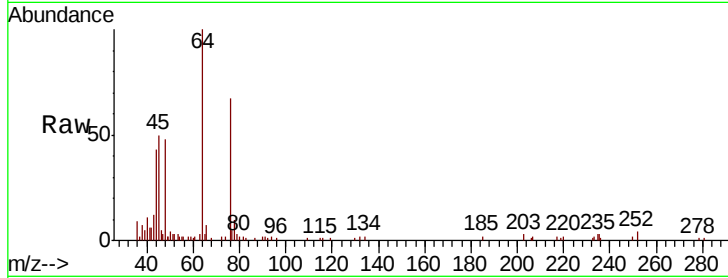
ClientSampled :

Tot Ion: 76 Resp: 10096

Ion Ratio Lower Upper

76 100

78 19.3 7.3 10.9#



#16

Methylene chloride

Concen: 0.128 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

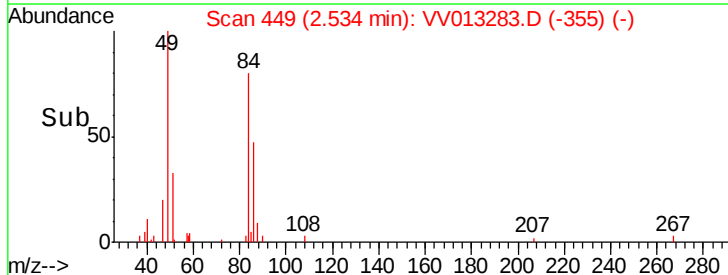
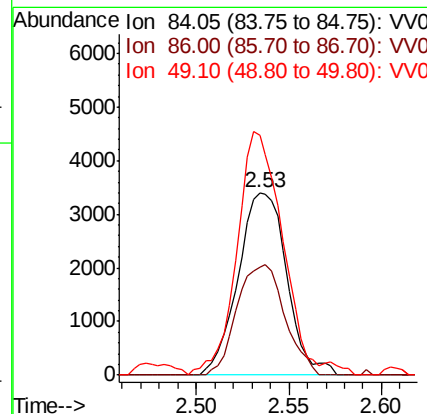
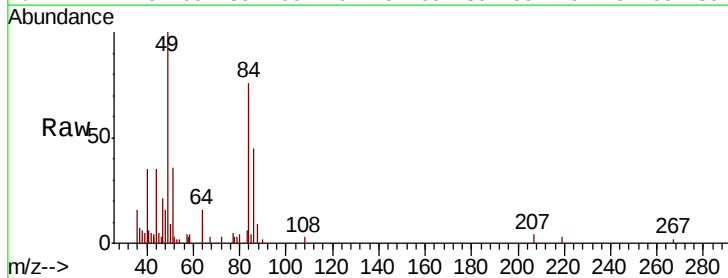
Tgt Ion: 84 Resp: 6196

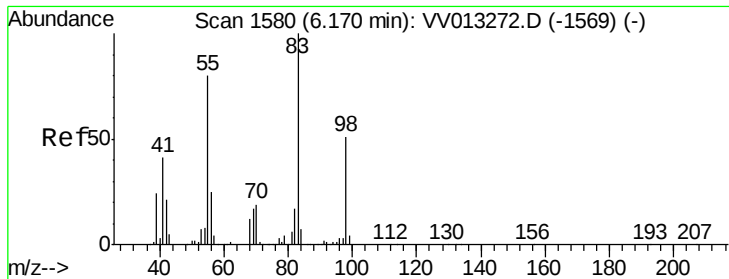
Ion Ratio Lower Upper

84 100

86 59.5 46.2 85.8

49 131.8 76.4 141.8





#35

Methvlcvclohexane

Concen: 0.855 ug/L

RT: 6.11 min Scan# 1562

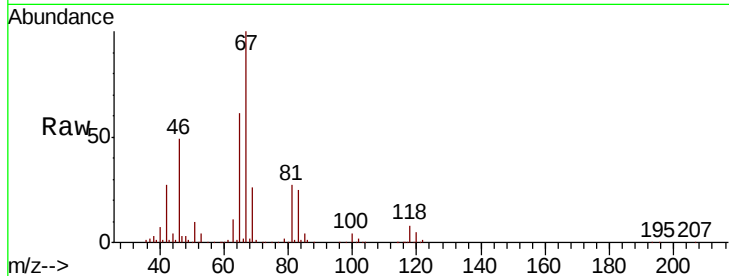
Delta R.T. -0.06 min

Lab File: VV013283.D

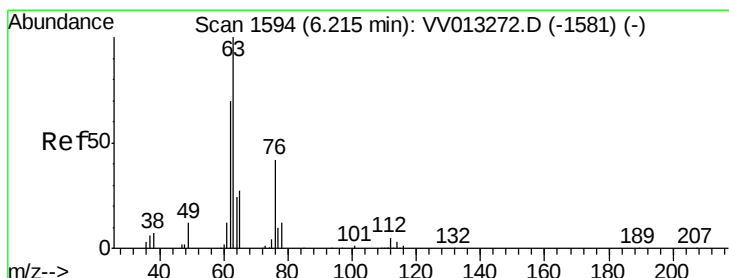
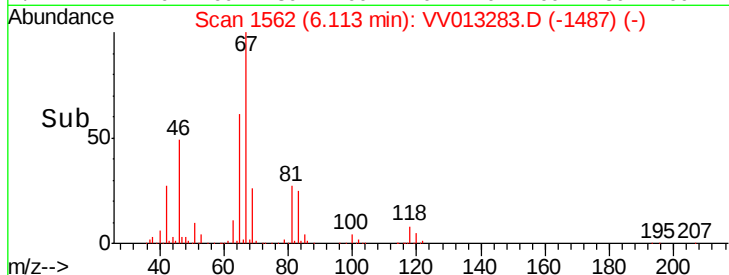
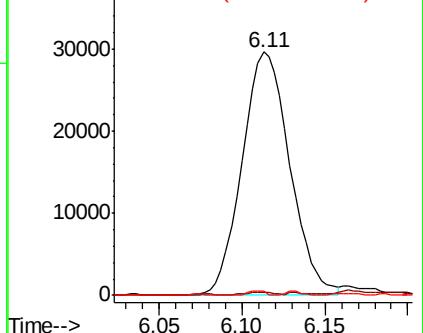
Acq: 22 Oct 2019 17:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	83	Resp:	59398
Ion	Ratio	Lower	Upper
83	100		
55	0.8	62.4	93.6#
98	0.6	39.2	58.8#



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: 0.625 ug/L

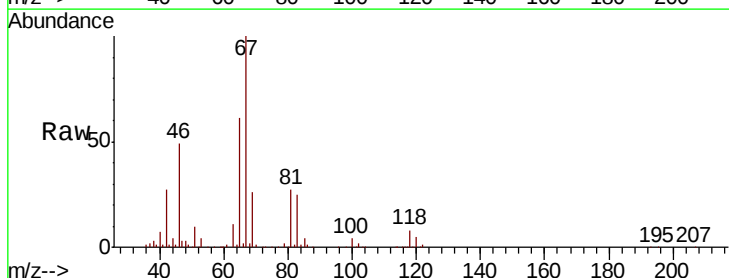
RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

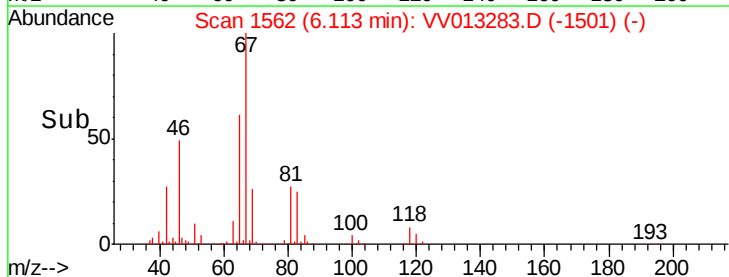
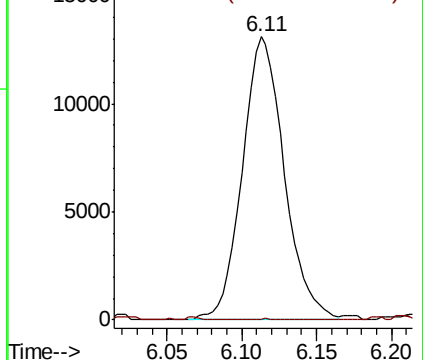
Lab File: VV013283.D

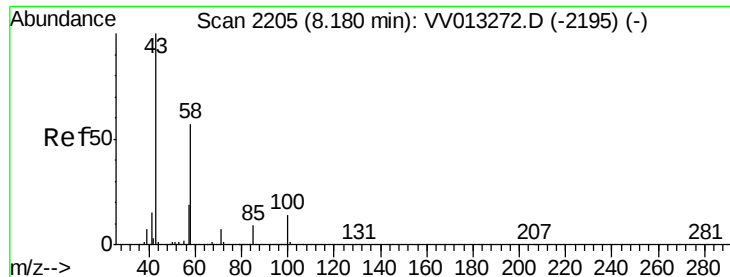
Acq: 22 Oct 2019 17:32

Tgt Ion:	63	Resp:	25549
Ion	Ratio	Lower	Upper
63	100		
112	0.1	4.1	6.1#



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

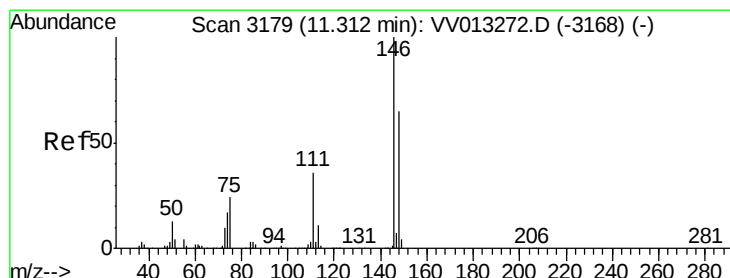
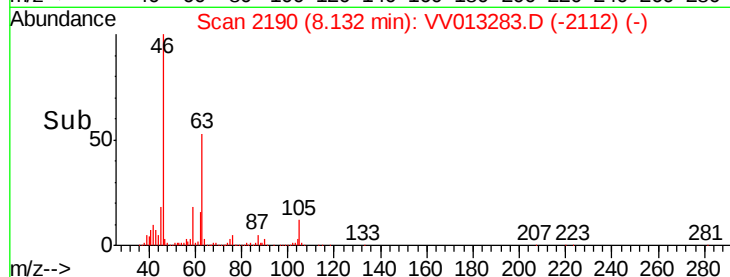
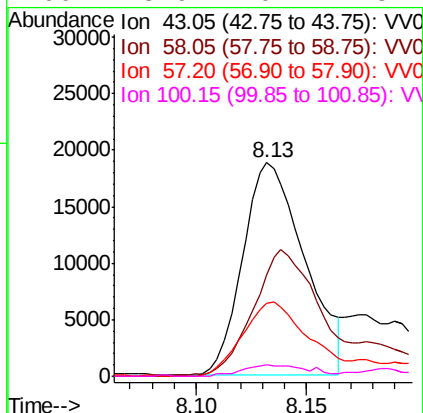
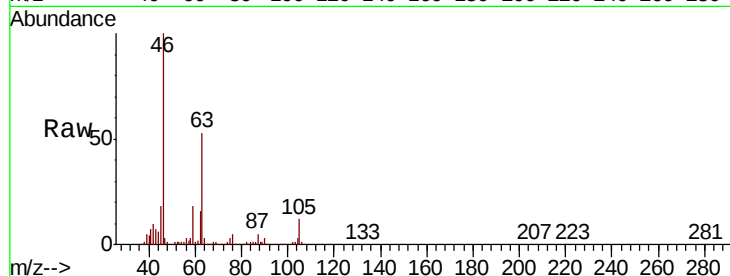




#48
2-Hexanone
Concen: 2.447 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV013283.D
Acq: 22 Oct 2019 17:32

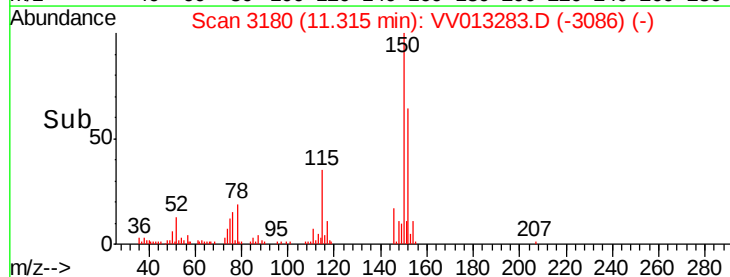
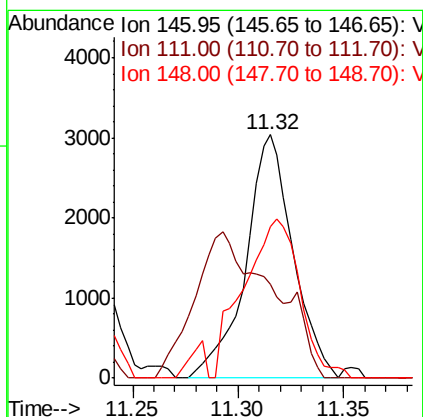
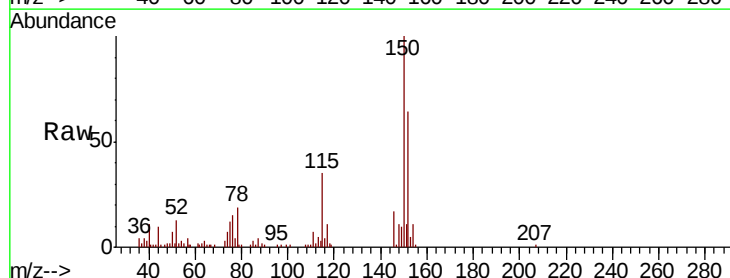
Instrument :
MSVOA_V
ClientSampleId :

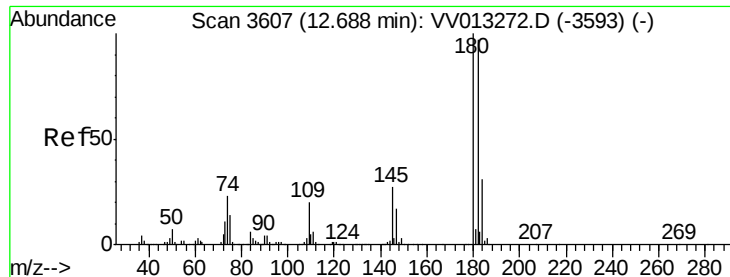
Tot Ion	Ratio	Lower	Upper
43	100		
58	64.8	45.1	67.7
57	37.8	15.5	23.3
100	5.9	10.2	15.2



#63
1,4-Dichlorobenzene
Concen: 0.058 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV013283.D
Acq: 22 Oct 2019 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	24.6	45.6
148	62.3	43.3	80.5





#67

1,3,5-Trichlorobenzene

Concen: 0.073 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.01 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 4387

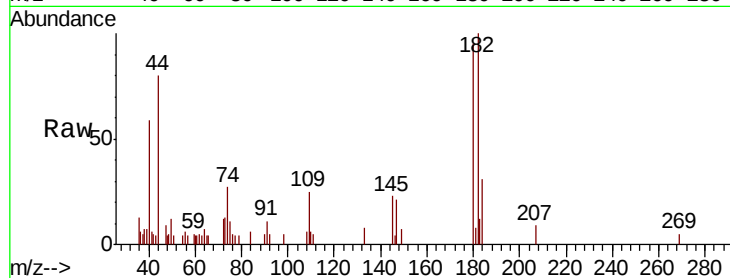
Ion Ratio Lower Upper

180 100

182 111.9 76.2 114.2

184 26.9 24.0 36.0

145 26.4 21.8 32.8

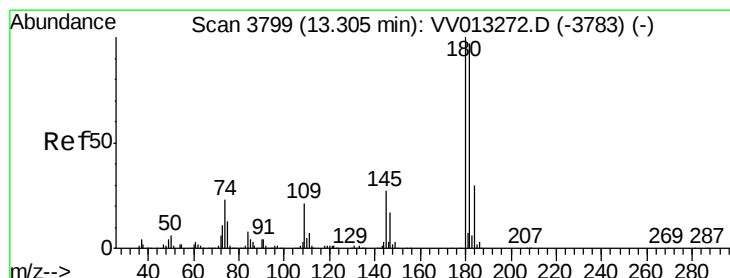
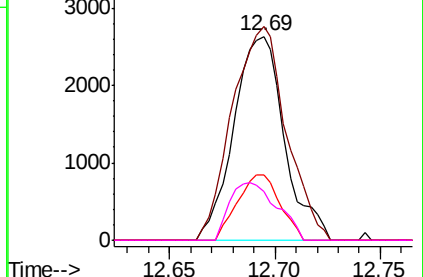
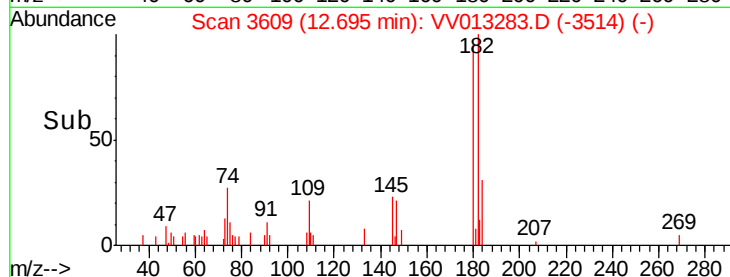


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.114 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.01 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

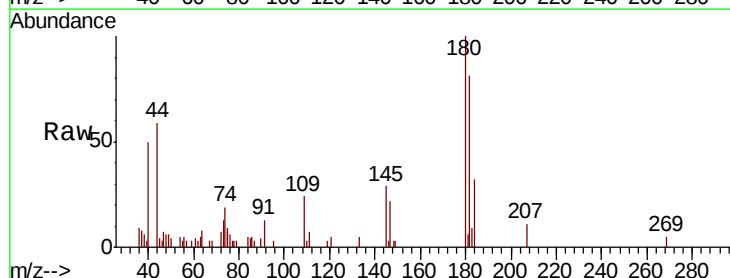
Tgt Ion:180 Resp: 6004

Ion Ratio Lower Upper

180 100

182 96.2 76.7 115.1

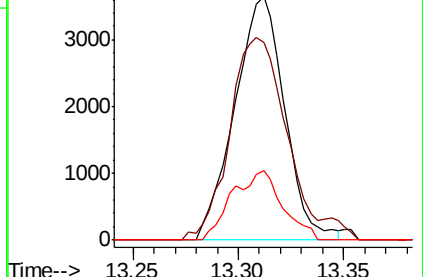
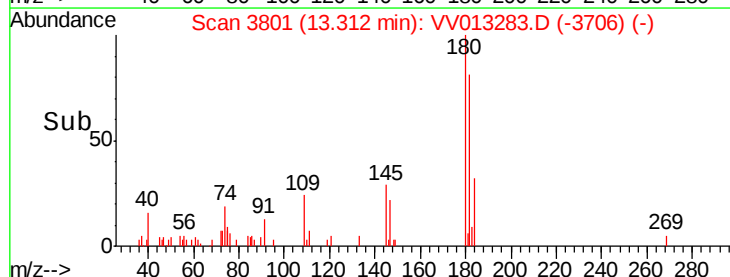
145 28.7 22.1 33.1

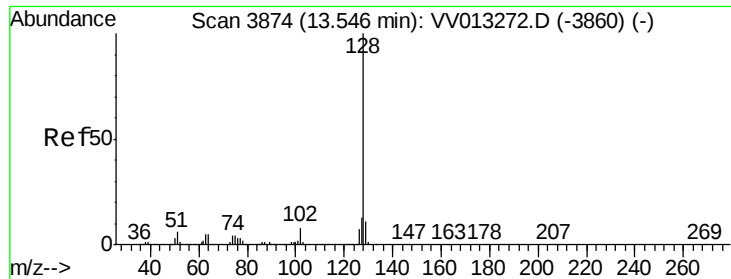


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.104 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

Instrument :

MSVOA_V

ClientSampled :

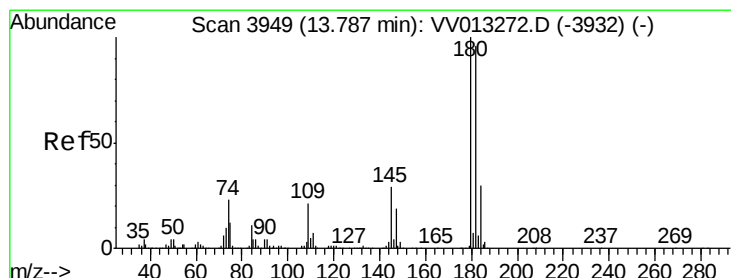
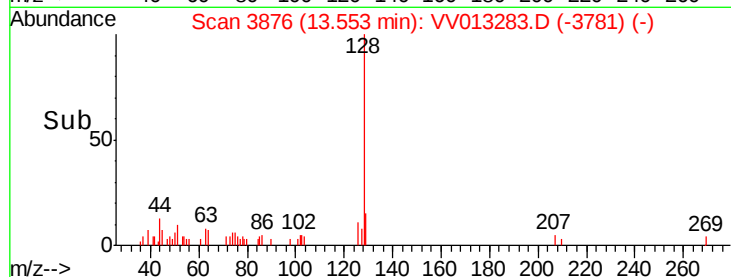
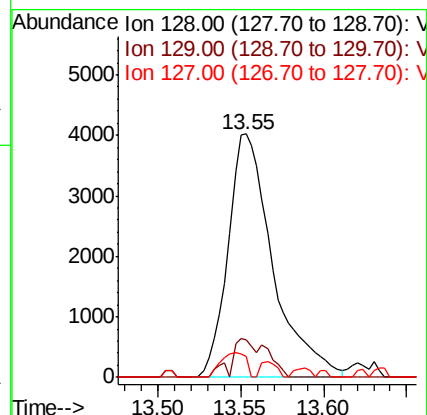
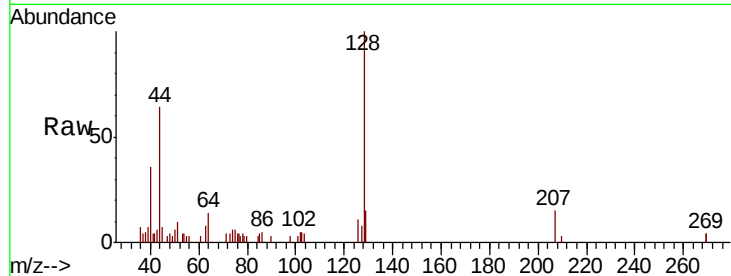
Tot Ion:128 Resp: 7550

Ion Ratio Lower Upper

128 100

129 8.4 9.0 13.6#

127 5.7 10.4 15.6#



#70

1,2,3-Trichlorobenzene

Concen: 0.107 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013283.D

Acq: 22 Oct 2019 17:32

Tgt Ion:180 Resp: 5204

Ion Ratio Lower Upper

180 100

182 88.3 76.5 114.7

145 28.8 23.5 35.3

