

Data File : VV013354.D
Acq On : 25 Oct 2019 18:56
Operator : SY/MD
Sample : K5462-13DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G10DL

Quant Time: Oct 26 01:02:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	408740	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	438426	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233585	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	181422	6.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.40%
7) Chloroethane-d5	1.58	69	145094	5.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.60%
11) 1,1-Dichloroethene-d2	2.13	63	216743	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.96	46	389518	67.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.62%#
24) Chloroform-d	4.40	84	345908	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	168804	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.10	84	753570	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.12	67	222709	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.36	98	649013	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.66	79	74233	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.14	63	230694	40.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	142847	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	260995	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	27190	0.689 ug/L	88
8) Chloroethane	1.32	64	8857	0.377 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2914	0.086 ug/L #	29
12) 1,1-Dichloroethene	2.13	96	3624	0.113 ug/L #	1
14) Carbon disulfide	2.31	76	4474	0.048 ug/L #	83
16) Methylene chloride	2.53	84	7154	0.148 ug/L	93
17) Methyl tert-butyl Ether	2.81	73	67847	0.912 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	32063	0.846 ug/L	95
19) 1,1-Dichloroethane	3.23	63	7147	0.116 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	390093	9.620 ug/L #	93
25) Chloroform	4.42	83	25092	0.313 ug/L	98
27) 1,2-Dichloroethane	5.09	62	4098	0.096 ug/L	97
34) Trichloroethene	5.96	95	196305	4.370 ug/L	98
35) Methylcyclohexane	6.12	83	55277	0.800 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	22900	0.563 ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	4347	0.100 ug/L #	66
47) Tetrachloroethene	8.02	164	5866	0.144 ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

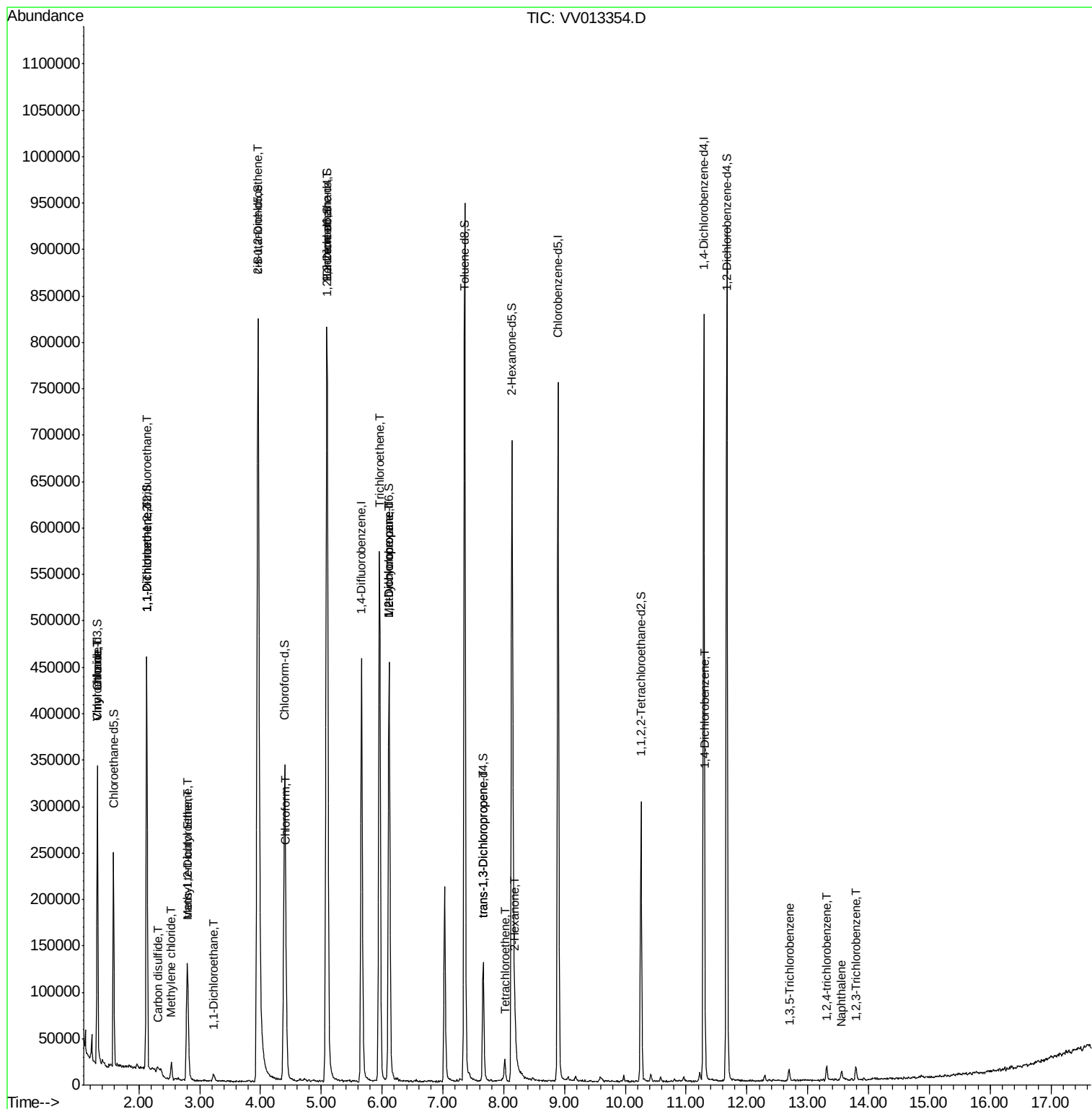
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.19	43	26981	1.818	ug/L #	88
63) 1,4-Dichlorobenzene	11.32	146	4568	0.055	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	4764	0.078	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	5689	0.107	ug/L	98
69) Naphthalene	13.55	128	9492	0.129	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	5669	0.115	ug/L	92

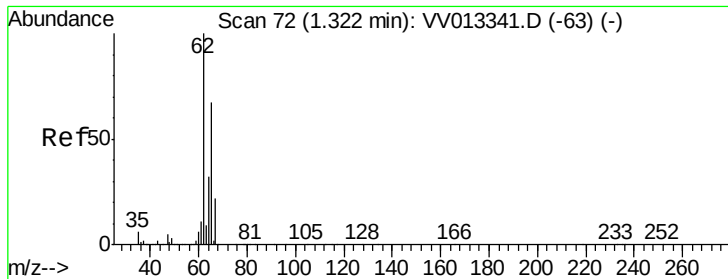
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.689 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

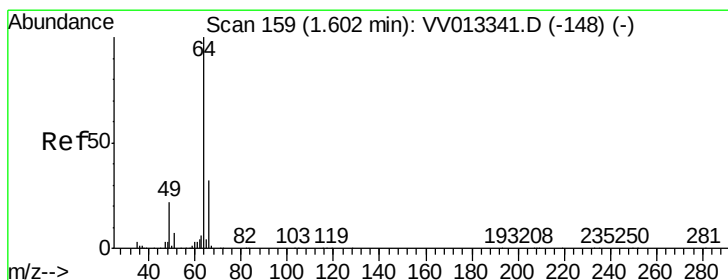
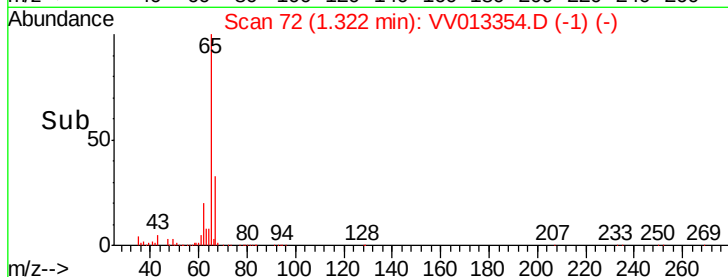
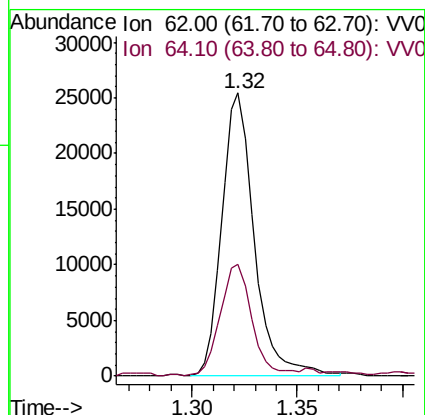
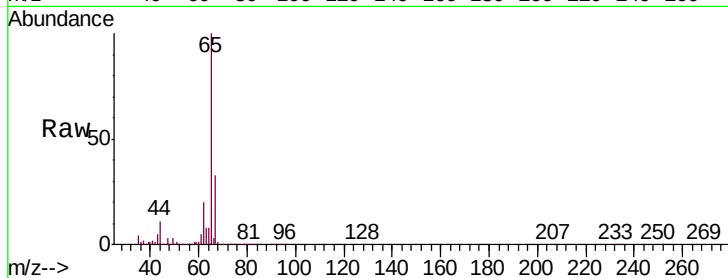
H0G10DL

Tgt Ion: 62 Resp: 27190

Ion Ratio Lower Upper

62 100

64 39.7 22.9 42.5



#8

Chloroethane

Concen: 0.377 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013354.D

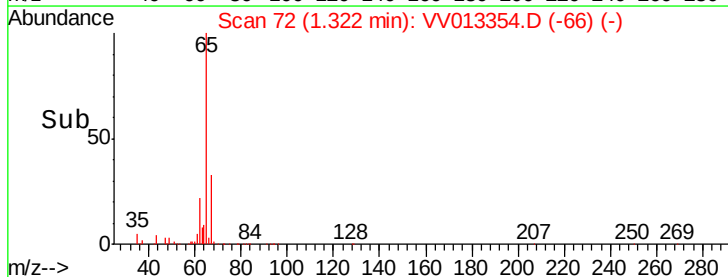
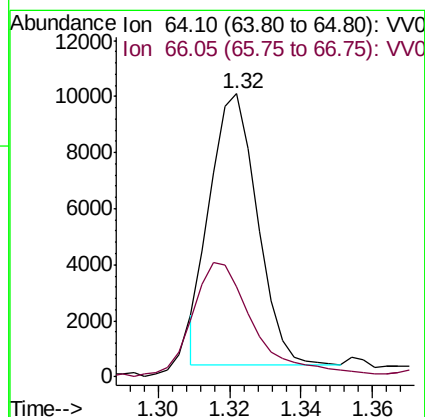
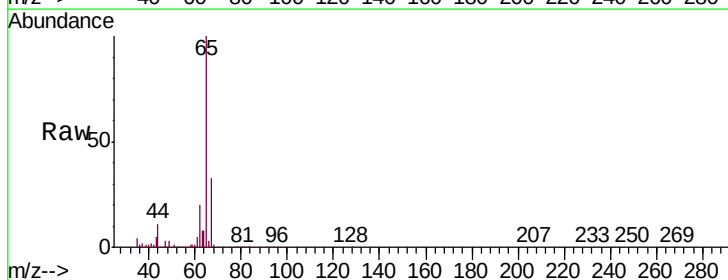
Acq: 25 Oct 2019 18:56

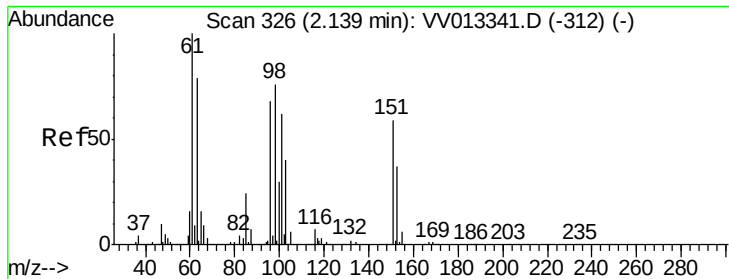
Tgt Ion: 64 Resp: 8857

Ion Ratio Lower Upper

64 100

66 32.0 22.7 42.3





#10

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

Concen: 0.086 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

H0G10DL

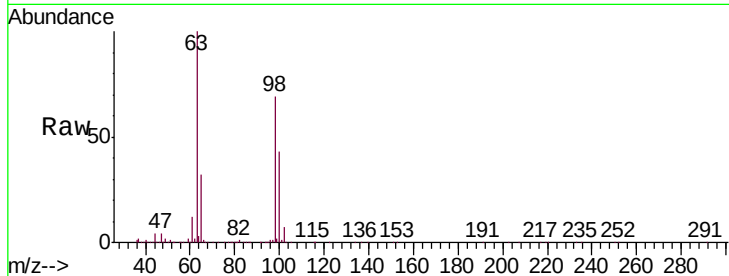
Tgt Ion:101 Resp: 2914

Ion Ratio Lower Upper

101 100

85 8.2 31.8 47.8#

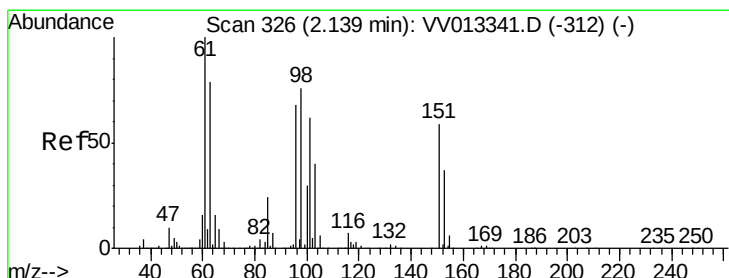
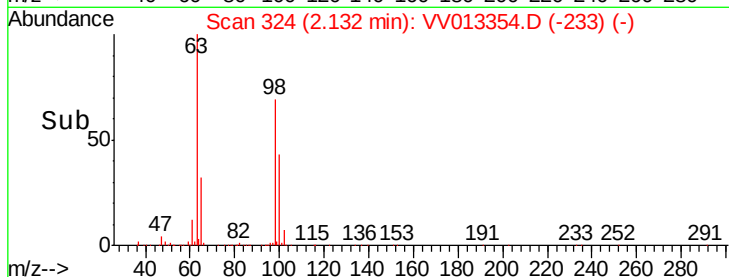
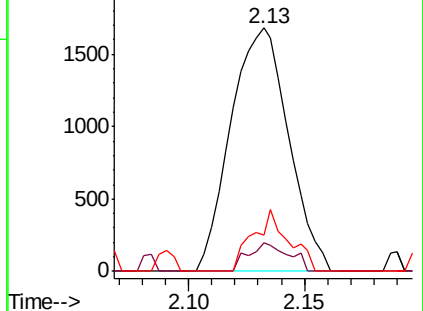
151 15.8 72.9 109.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.113 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

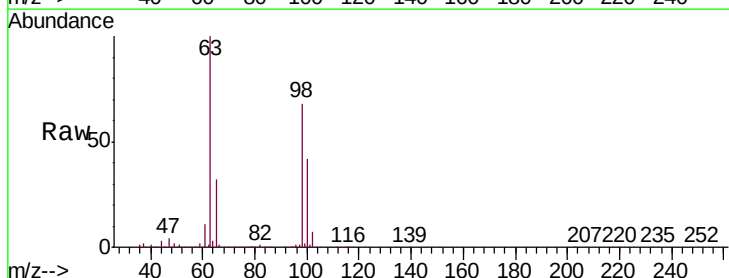
Tgt Ion: 96 Resp: 3624

Ion Ratio Lower Upper

96 100

61 894.9 104.0 193.1#

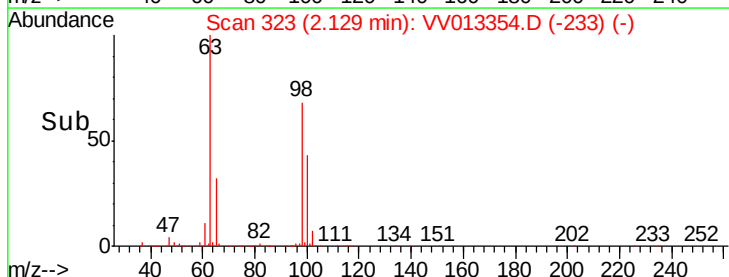
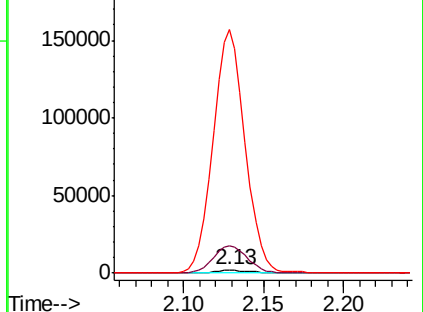
63 7889.8 67.1 124.5#

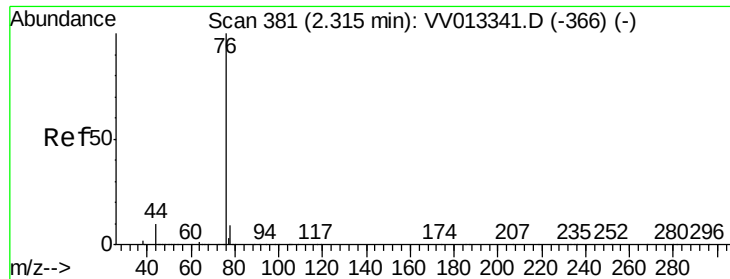


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.048 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

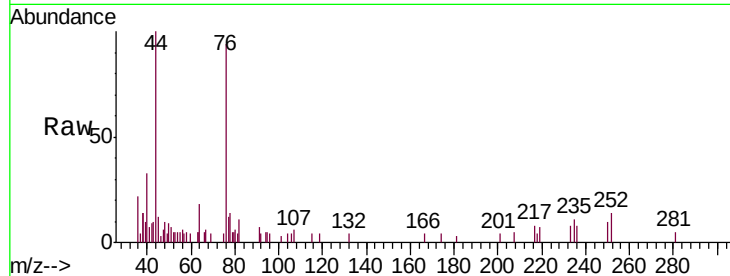
H0G10DL

Tgt Ion: 76 Resp: 4474

Ion Ratio Lower Upper

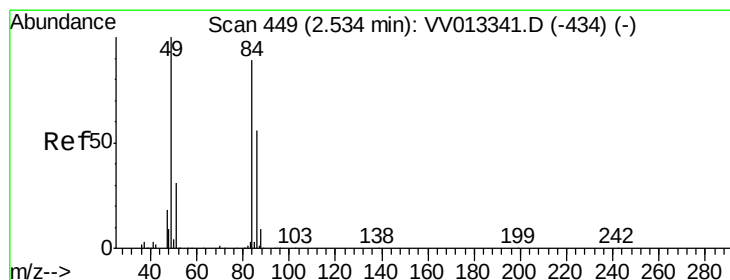
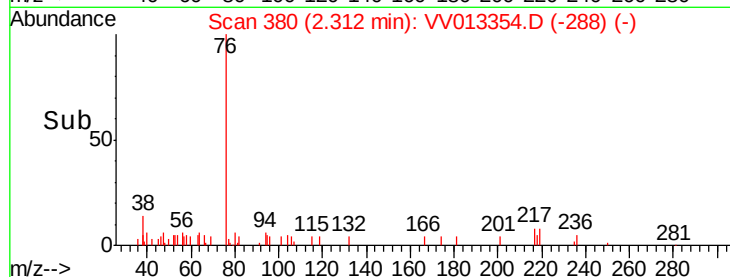
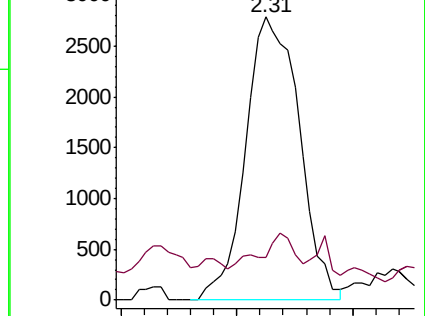
76 100

78 15.2 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.148 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

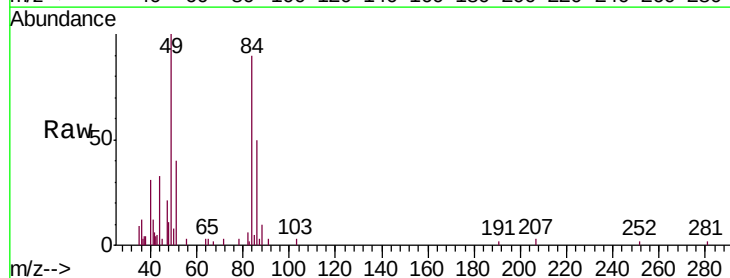
Tgt Ion: 84 Resp: 7154

Ion Ratio Lower Upper

84 100

86 55.4 46.2 85.8

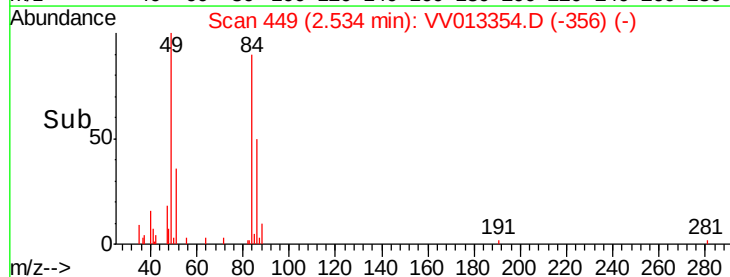
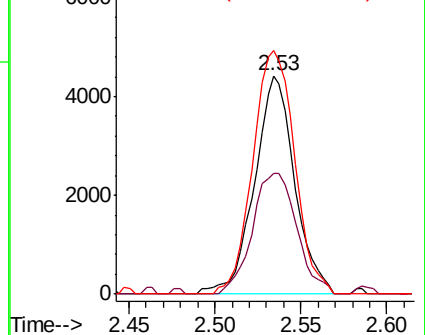
49 111.6 76.4 141.8

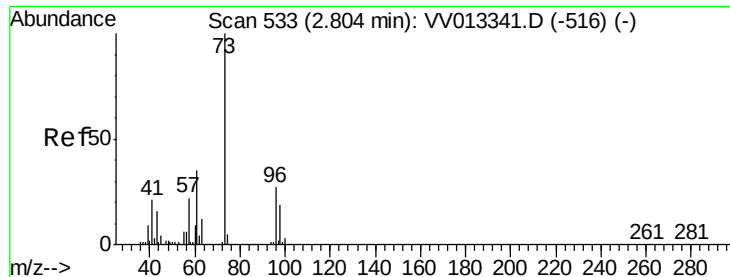


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

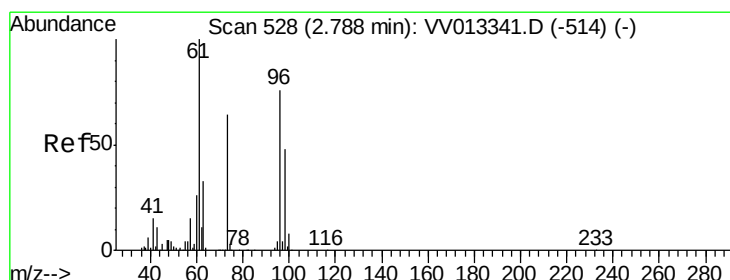
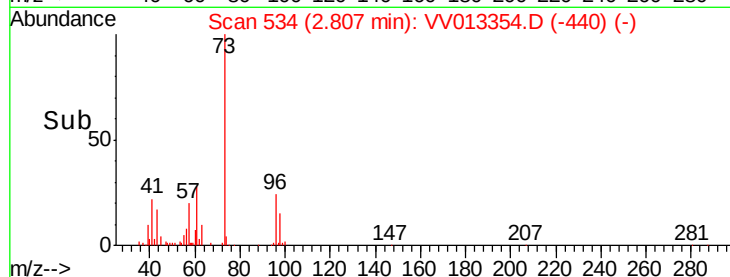
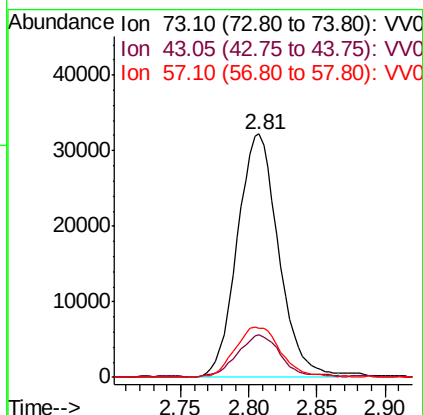
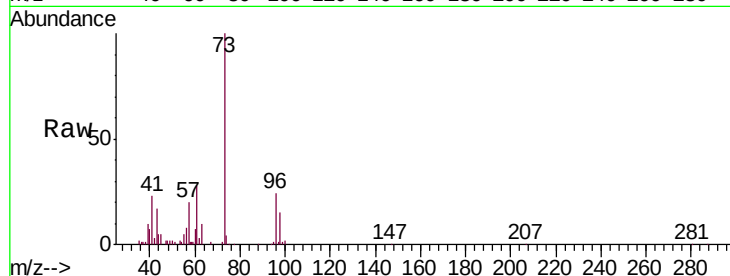




#17
Methyl tert-butyl Ether
Concen: 0.912 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013354.D
Acq: 25 Oct 2019 18:56

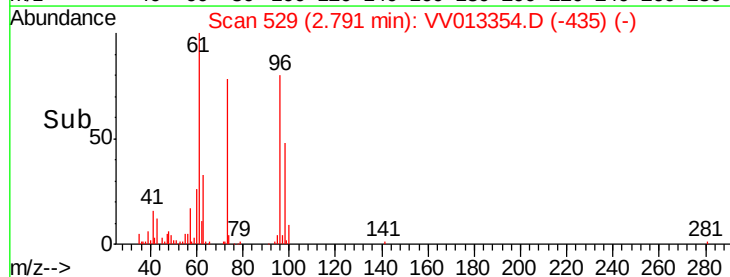
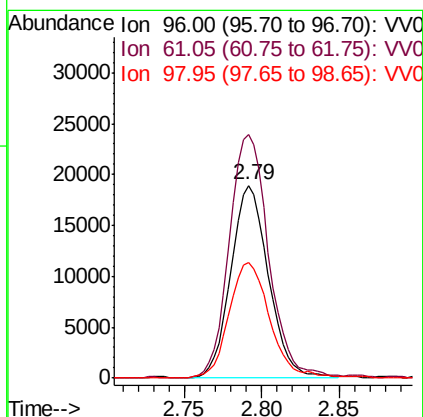
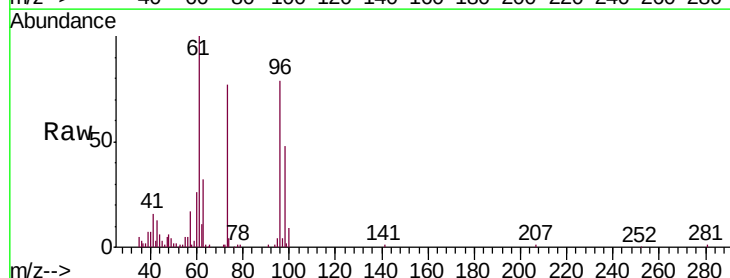
Instrument :
MSVOA_V
ClientSampleId :
H0G10DL

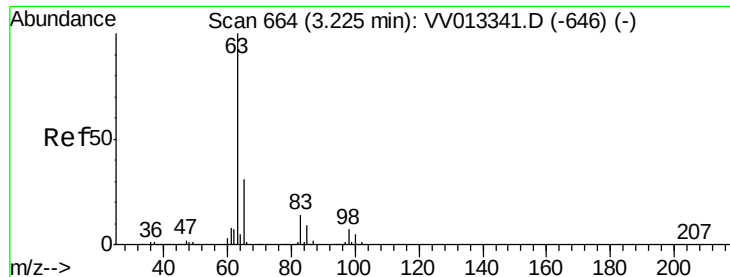
Tgt Ion: 73 Resp: 67847
Ion Ratio Lower Upper
73 100
43 18.2 13.1 19.7
57 23.0 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 0.846 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013354.D
Acq: 25 Oct 2019 18:56

Tgt Ion: 96 Resp: 32063
Ion Ratio Lower Upper
96 100
61 126.4 84.4 156.8
98 60.2 44.4 82.4





#19

1,1-Dichloroethane

Concen: 0.116 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

H0G10DL

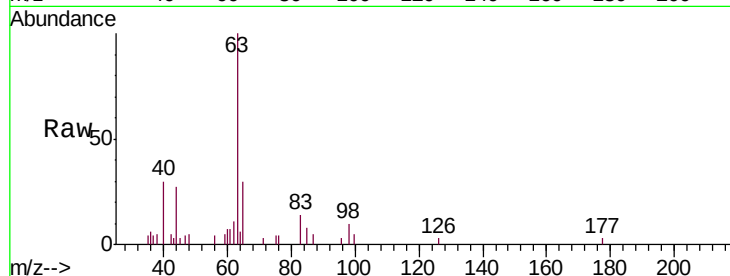
Tgt Ion: 63 Resp: 7147

Ion Ratio Lower Upper

63 100

65 30.0 23.0 42.8

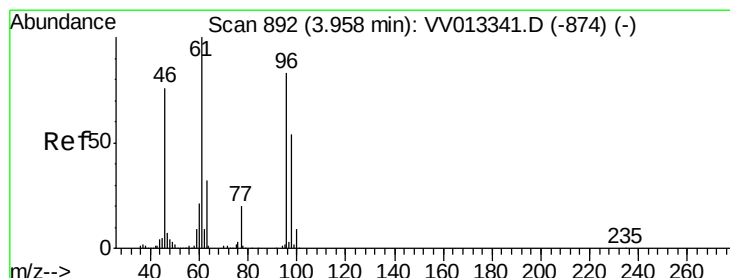
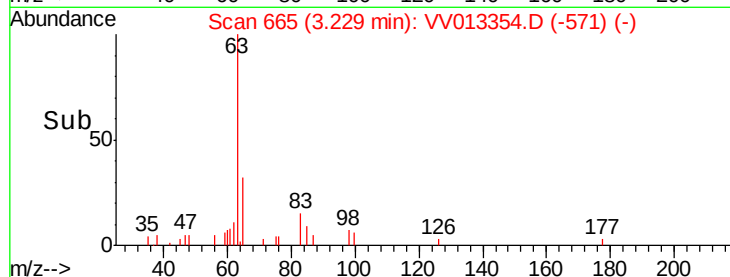
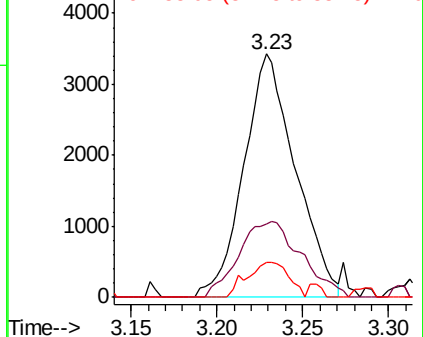
83 14.2 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 9.620 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

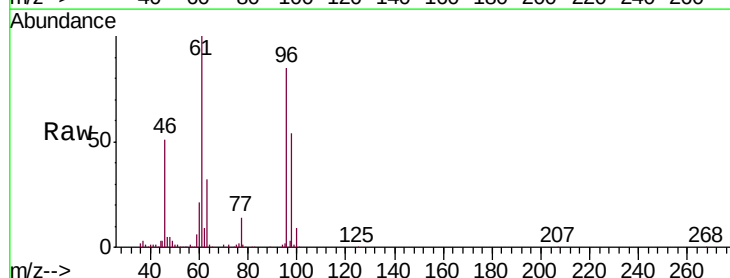
Tgt Ion: 96 Resp: 390093

Ion Ratio Lower Upper

96 100

61 117.8 77.3 143.7

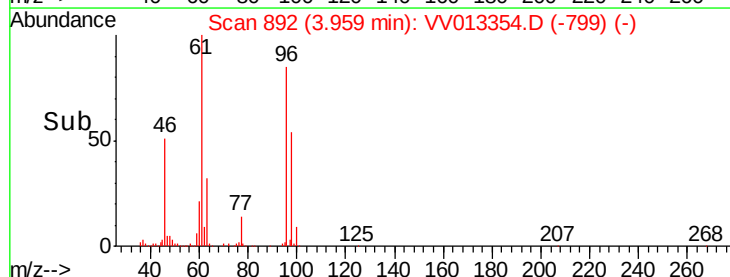
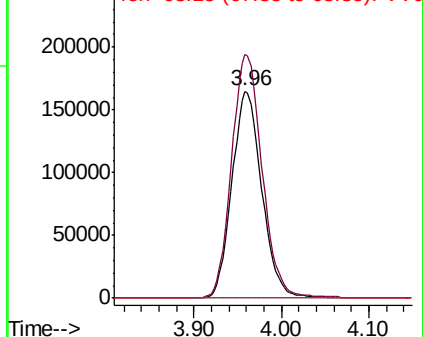
68 0.0 0.1 0.1#

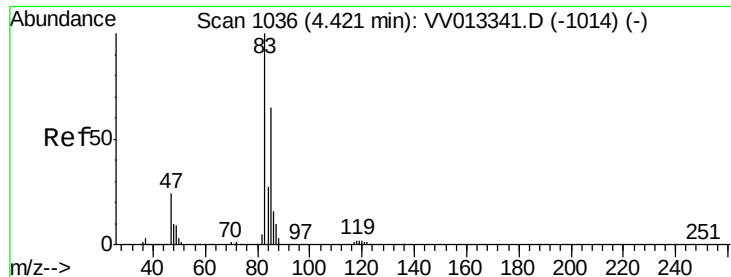


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

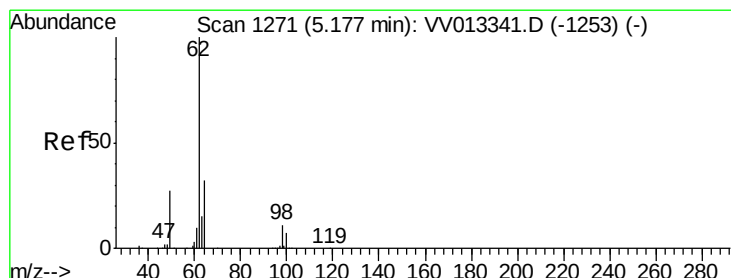
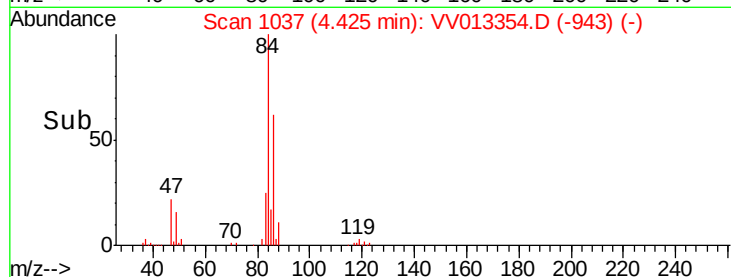
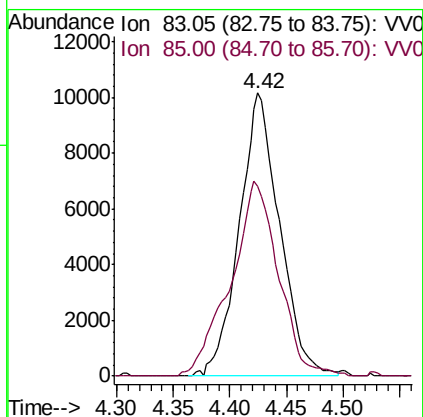
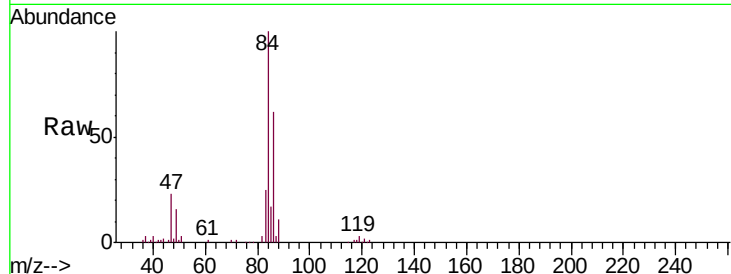




#25
Chloroform
Concen: 0.313 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013354.D
Acq: 25 Oct 2019 18:56

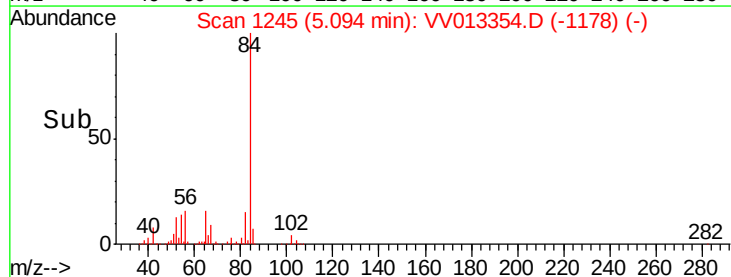
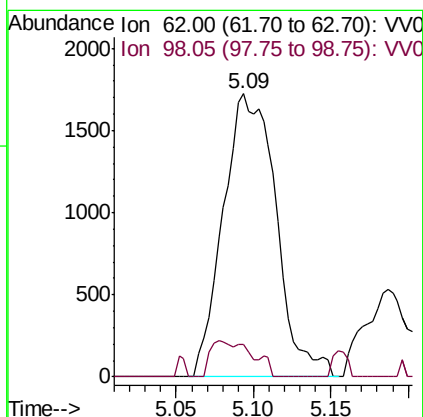
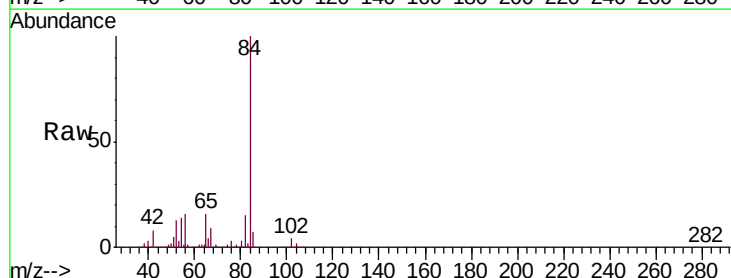
Instrument :
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ClientSampleId :
H0G10DL

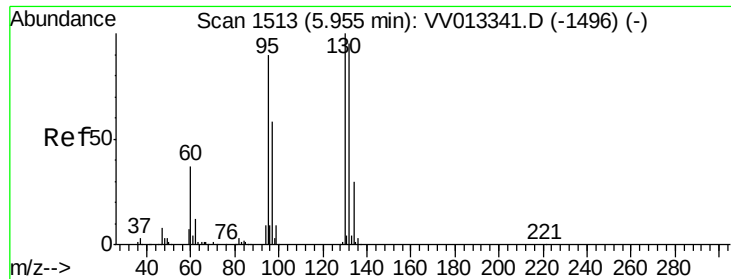
Tgt Ion: 83 Resp: 25092
Ion Ratio Lower Upper
83 100
85 67.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.096 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV013354.D
Acq: 25 Oct 2019 18:56

Tgt Ion: 62 Resp: 4098
Ion Ratio Lower Upper
62 100
98 11.4 8.3 12.5

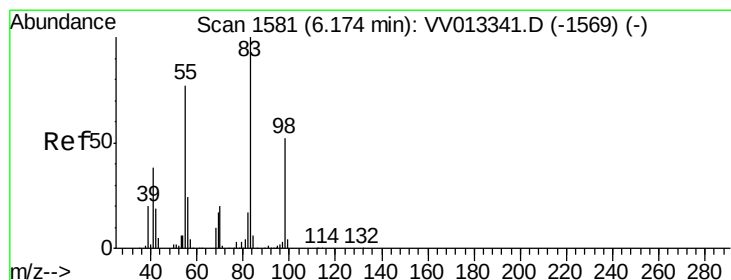
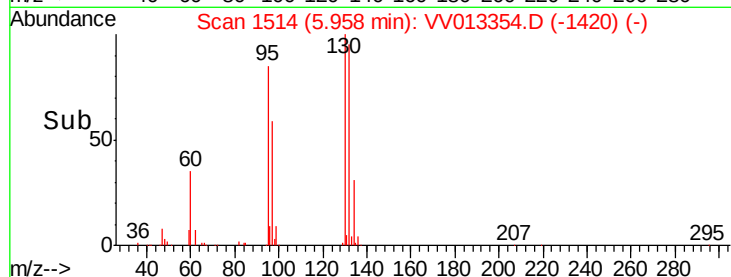
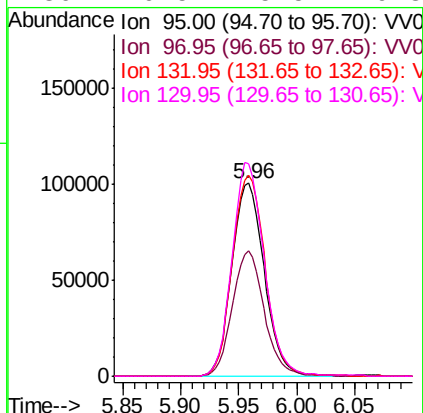
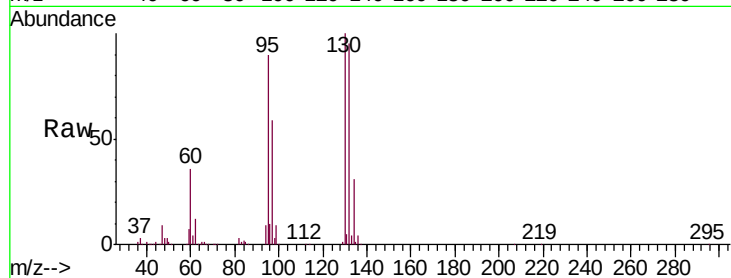




#34
 Trichloroethene
 Concen: 4.370 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013354.D
 Acq: 25 Oct 2019 18:56

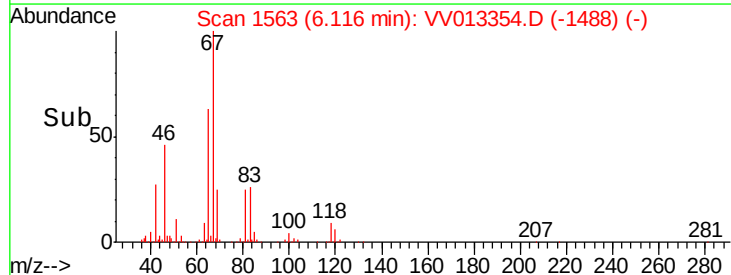
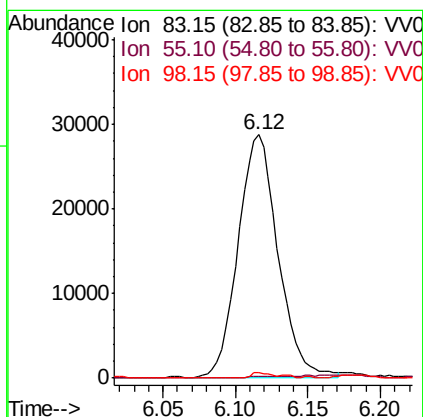
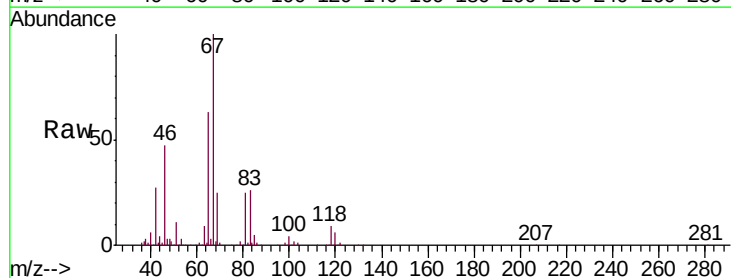
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10DL

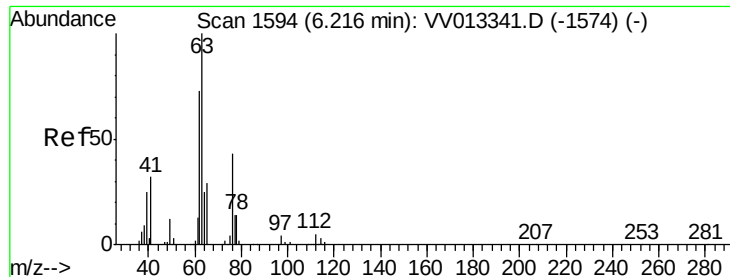
Tgt Ion:	95	Resp:	196305
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.2	84.0
132	104.5	70.6	131.2
130	110.5	75.5	140.3



#35
 Methylcyclohexane
 Concen: 0.800 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV013354.D
 Acq: 25 Oct 2019 18:56

Tgt Ion:	83	Resp:	55277
Ion	Ratio	Lower	Upper
83	100		
55	0.3	62.4	93.6#
98	1.0	39.2	58.8#

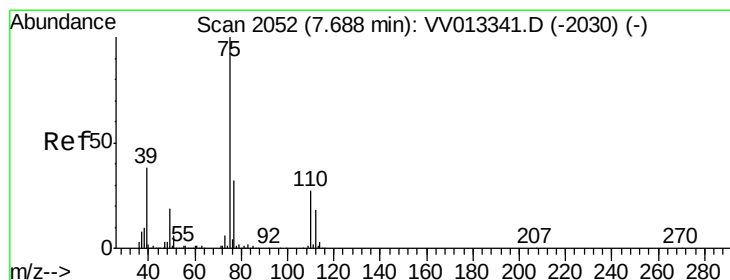
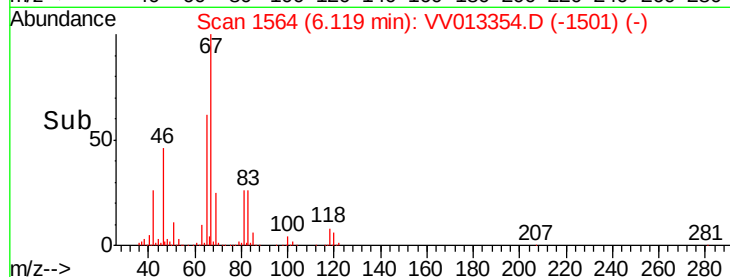
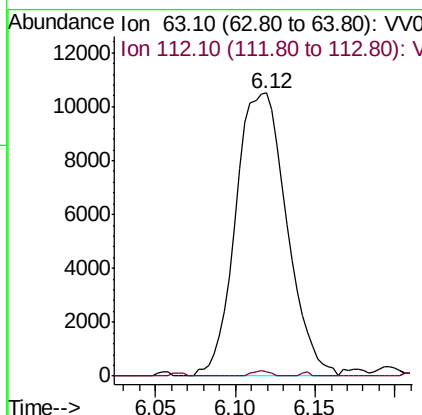
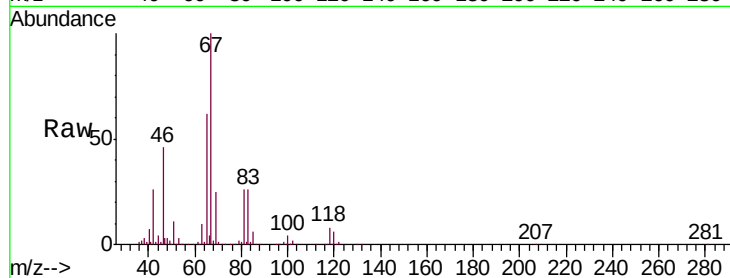




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV013354.D
 Acq: 25 Oct 2019 18:56

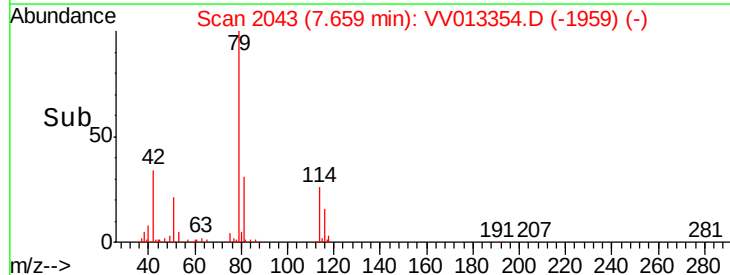
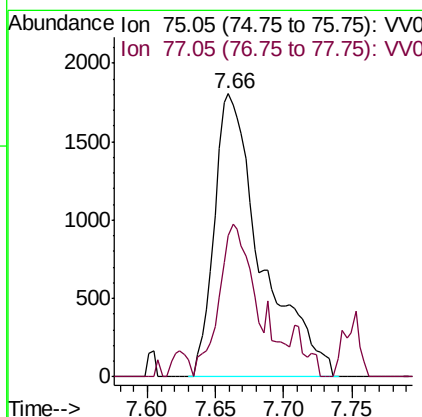
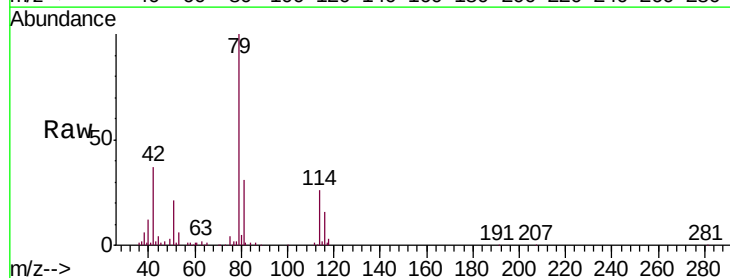
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10DL

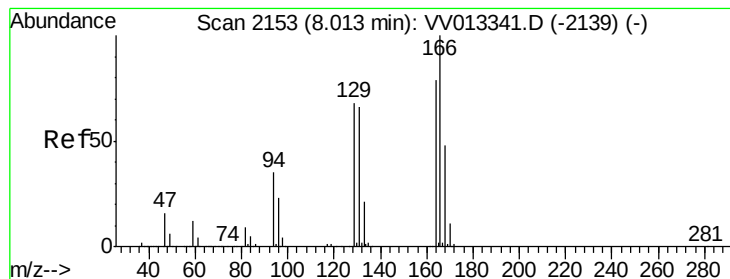
Tgt Ion: 63 Resp: 22900
 Ion Ratio Lower Upper
 63 100
 112 0.7 4.1 6.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.66 min Scan# 2043
 Delta R.T. -0.03 min
 Lab File: VV013354.D
 Acq: 25 Oct 2019 18:56

Tgt Ion: 75 Resp: 4347
 Ion Ratio Lower Upper
 75 100
 77 49.8 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.144 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

H0G10DL

Tgt Ion:164 Resp: 5866

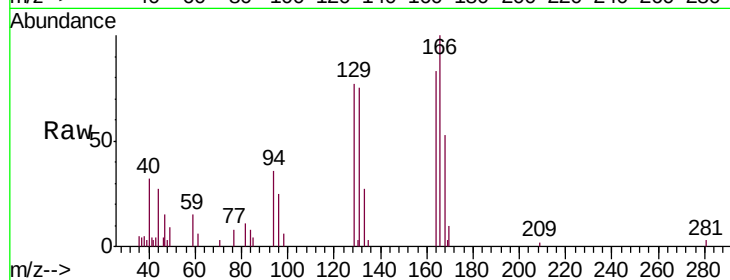
Ion Ratio Lower Upper

164 100

129 92.1 61.0 113.2

131 89.8 57.5 106.9

166 120.2 87.8 163.0

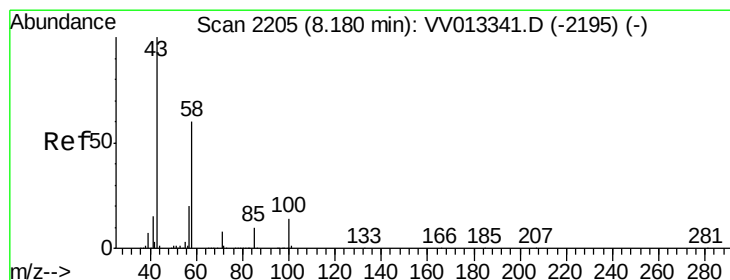
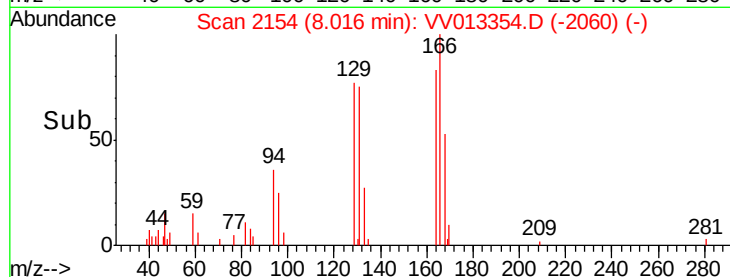
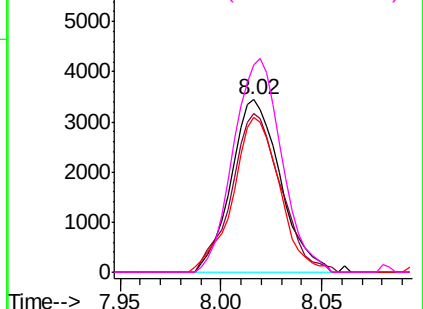


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.818 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Tgt Ion: 43 Resp: 26981

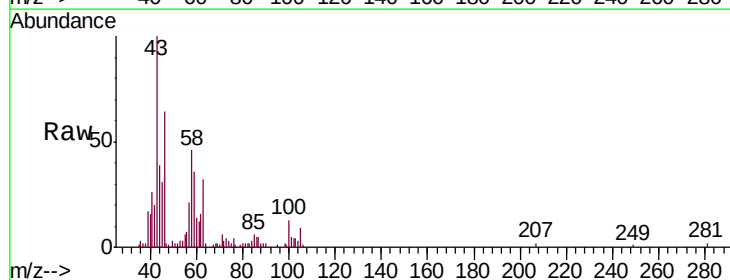
Ion Ratio Lower Upper

43 100

58 44.4 45.1 67.7#

57 23.3 15.5 23.3#

100 13.0 10.2 15.2

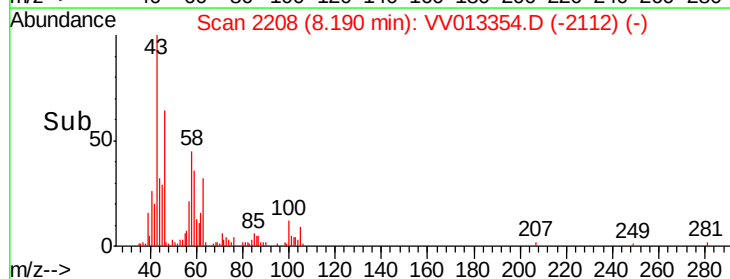
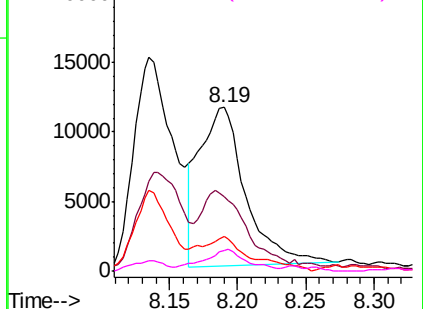


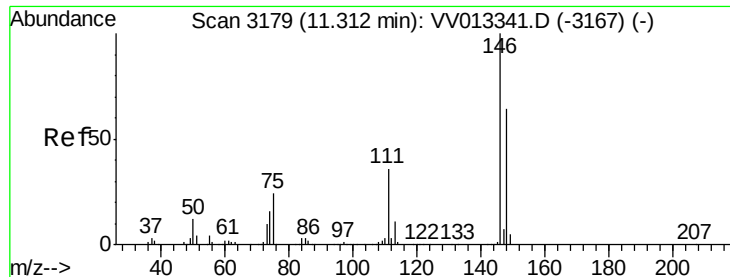
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

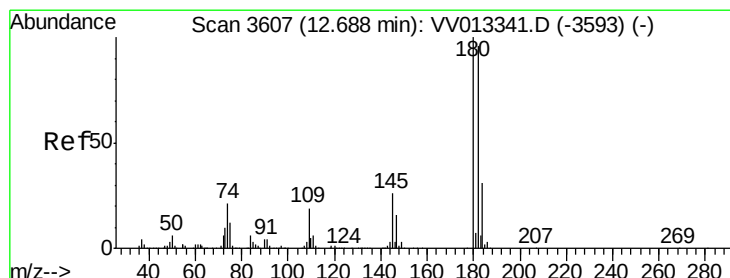
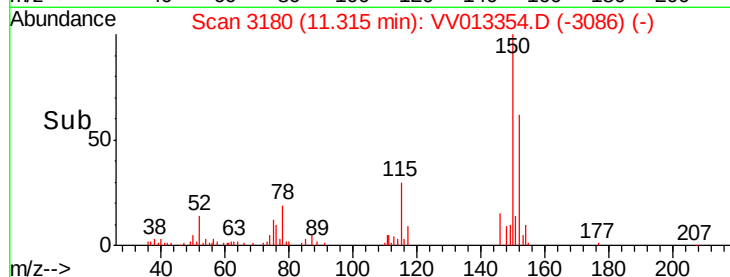
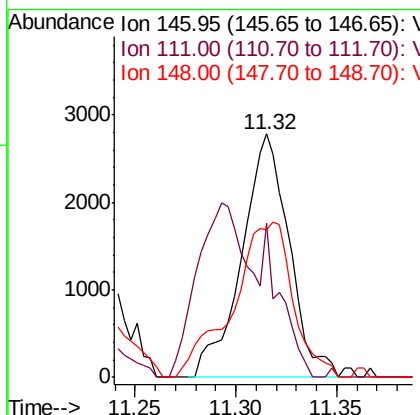
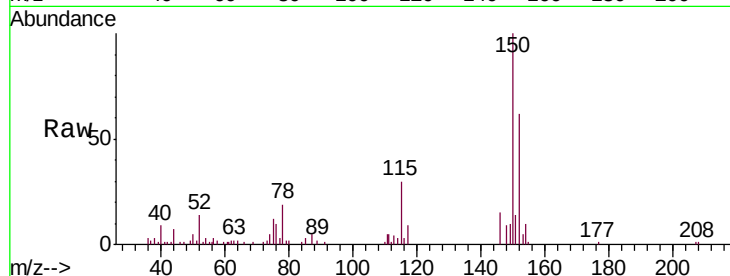




#63
 1,4-Dichlorobenzene
 Concen: 0.055 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013354.D
 Acq: 25 Oct 2019 18:56

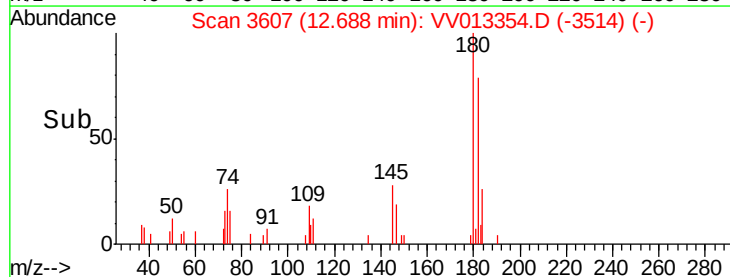
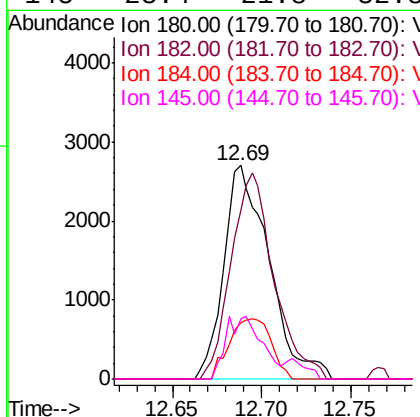
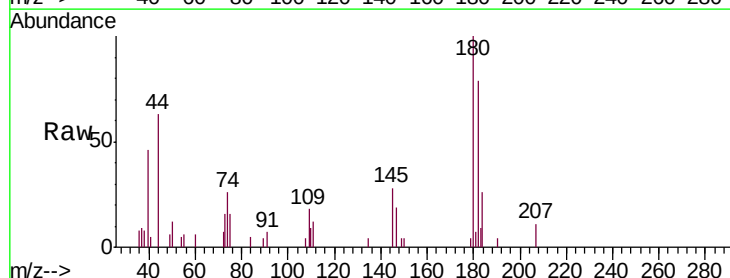
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10DL

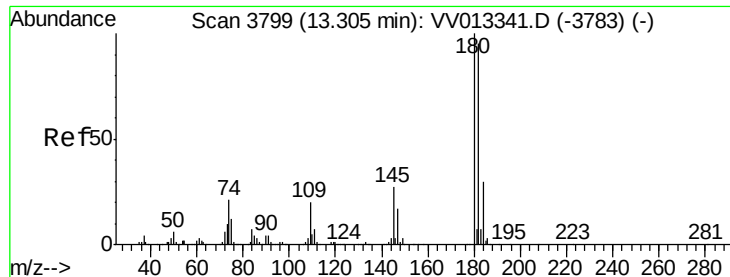
Tgt Ion:146 Resp: 4568
 Ion Ratio Lower Upper
 146 100
 111 63.4 24.6 45.6#
 148 60.5 43.3 80.5



#67
 1,3,5-Trichlorobenzene
 Concen: 0.078 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013354.D
 Acq: 25 Oct 2019 18:56

Tgt Ion:180 Resp: 4764
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.2 114.2
 184 25.9 24.0 36.0
 145 23.4 21.8 32.8

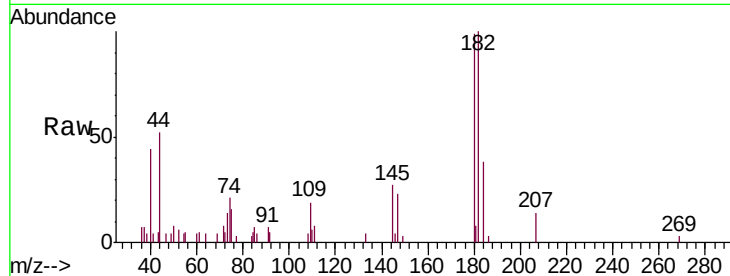




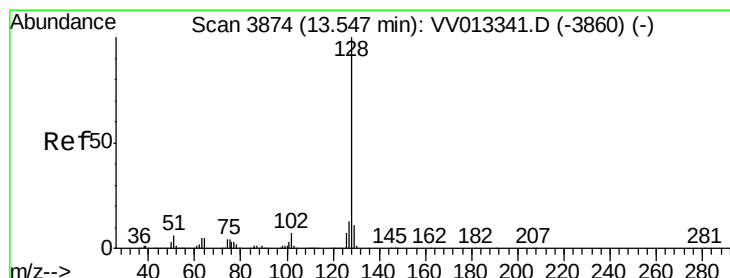
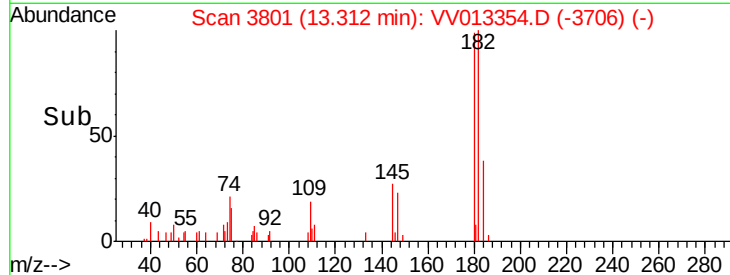
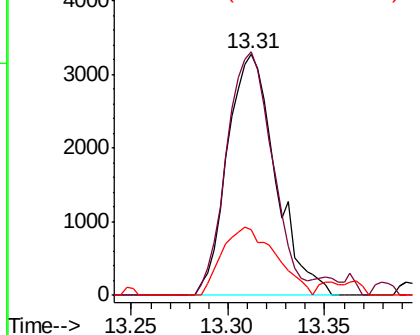
#68
1,2,4-trichlorobenzene
Concen: 0.107 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.01 min
Lab File: VV013354.D
Acq: 25 Oct 2019 18:56

Instrument :
MSVOA_V
ClientSampleId :
H0G10DL

Tgt Ion:180 Resp: 5689
Ion Ratio Lower Upper
180 100
182 95.9 76.7 115.1
145 31.5 22.1 33.1

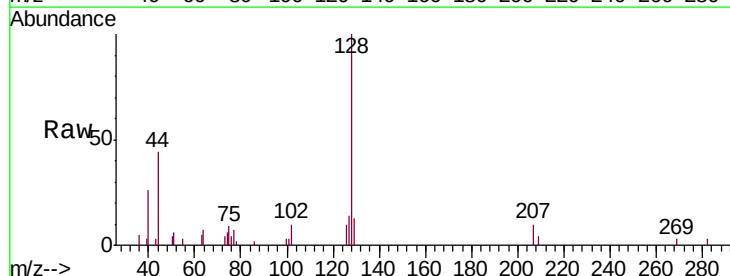


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

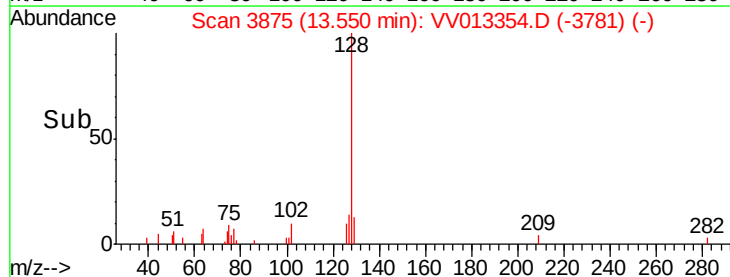
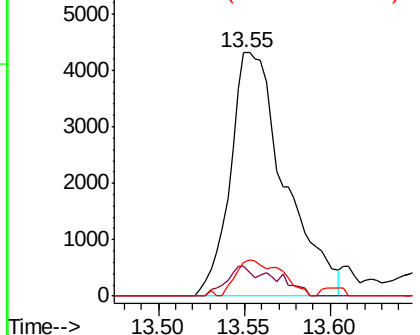


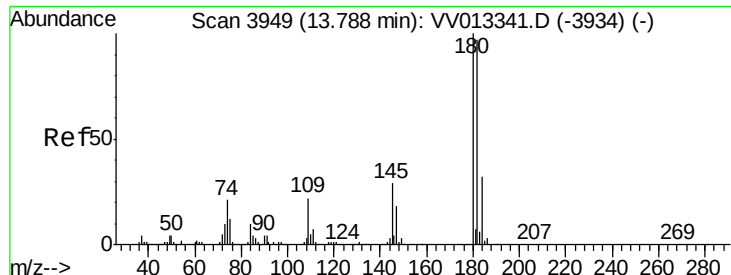
#69
Naphthalene
Concen: 0.129 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013354.D
Acq: 25 Oct 2019 18:56

Tgt Ion:128 Resp: 9492
Ion Ratio Lower Upper
128 100
129 6.0 9.0 13.6#
127 12.4 10.4 15.6



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: 0.115 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013354.D

Acq: 25 Oct 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

H0G10DL

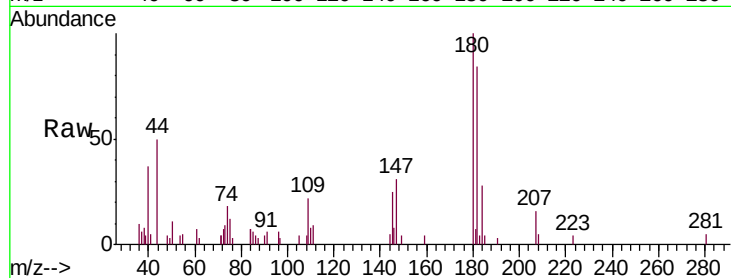
Tgt Ion:180 Resp: 5669

Ion Ratio Lower Upper

180 100

182 85.7 76.5 114.7

145 28.6 23.5 35.3



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

