

Data File : VV013334.D
Acq On : 25 Oct 2019 02:05
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G17

Quant Time: Oct 25 04:48:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	437025	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	459454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	298772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	168015	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	134565	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	287000	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.93	46	447282	72.29	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.58%#
24) Chloroform-d	4.40	84	401360	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.08	65	183774	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	787919	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.12	67	239465	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.36	98	725924	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	84465	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.13	63	318499	52.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	168021	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	303299	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	228140	4.722 ug/L	99
3) Chloromethane	1.25	50	202776	4.836 ug/L	98
5) Vinyl chloride	1.32	62	216949	5.144 ug/L	100
6) Bromomethane	1.54	94	112649	4.742 ug/L	99
8) Chloroethane	1.60	64	120430	4.791 ug/L	99
9) Trichlorofluoromethane	1.77	101	313415	5.135 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	180722	5.011 ug/L	99
12) 1,1-Dichloroethene	2.14	96	171181	4.982 ug/L	94
13) Acetone	2.19	43	193394	60.451 ug/L #	46
14) Carbon disulfide	2.32	76	480703	4.873 ug/L	99
15) Methyl Acetate	2.46	43	70178	6.487 ug/L	99
16) Methylene chloride	2.53	84	224269	4.343 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	440004	5.529 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	227475	5.616 ug/L	95
19) 1,1-Dichloroethane	3.23	63	394835	5.997 ug/L	98
21) 2-Butanone	4.02	43	434313	60.644 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	245767	5.669 ug/L #	95

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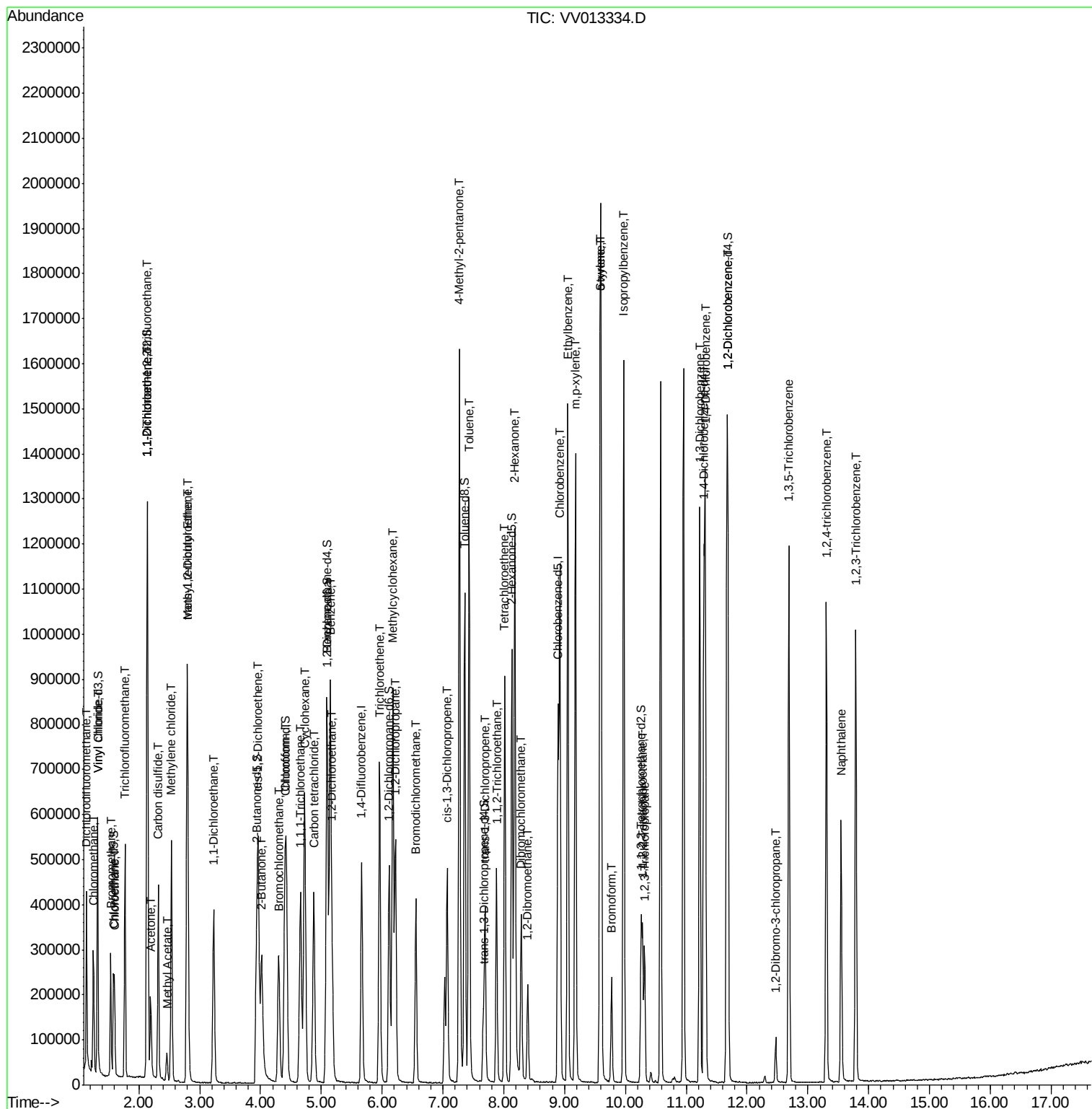
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	105978	5.151	ug/L	92
25) Chloroform	4.42	83	414836	4.833	ug/L	99
27) 1,2-Dichloroethane	5.18	62	221584	4.834	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	342577	5.044	ug/L	99
30) Cyclohexane	4.73	56	347793	4.934	ug/L	100
31) Carbon tetrachloride	4.88	117	317056	5.204	ug/L	98
33) Benzene	5.15	78	909082	5.182	ug/L	100
34) Trichloroethene	5.96	95	245455	5.214	ug/L	98
35) Methylcyclohexane	6.18	83	366859	5.065	ug/L	96
37) 1,2-Dichloropropane	6.22	63	212704	4.991	ug/L	99
38) Bromodichloromethane	6.55	83	274602	4.978	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	289103	4.816	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1074365	49.317	ug/L	95
42) Toluene	7.43	91	977512	5.306	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	215841	4.747	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	149095	5.012	ug/L	98
47) Tetrachloroethene	8.02	164	221826	5.189	ug/L	97
48) 2-Hexanone	8.18	43	770645	49.554	ug/L	97
49) Dibromochloromethane	8.29	129	187385	5.001	ug/L	98
50) 1,2-Dibromoethane	8.39	107	140561	4.959	ug/L	97
51) Chlorobenzene	8.92	112	636989	5.282	ug/L	97
52) Ethylbenzene	9.05	91	1026975	5.347	ug/L	100
53) m,p-xylene	9.18	106	410763	5.587	ug/L	100
54) o-xylene	9.59	106	390687	5.597	ug/L	99
55) Styrene	9.60	104	673047	5.674	ug/L	98
56) Isopropylbenzene	9.97	105	1032050	5.606	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	162673	4.757	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	123676	4.866	ug/L	97
61) Bromoform	9.77	173	108013	4.742	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	550519	5.232	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	554747	5.207	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	511375	5.277	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	23086	4.195	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	409615	5.266	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	357204	5.249	ug/L	100
69) Naphthalene	13.55	128	478229	5.094	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	336215	5.320	ug/L	99

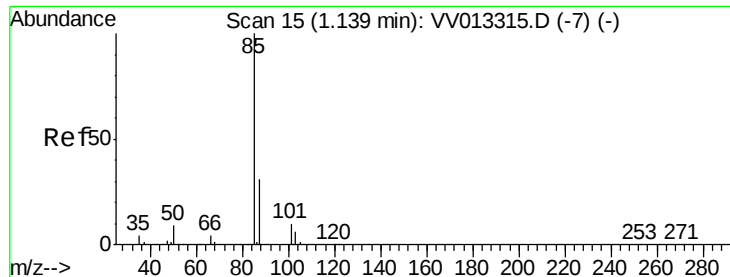
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.722 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

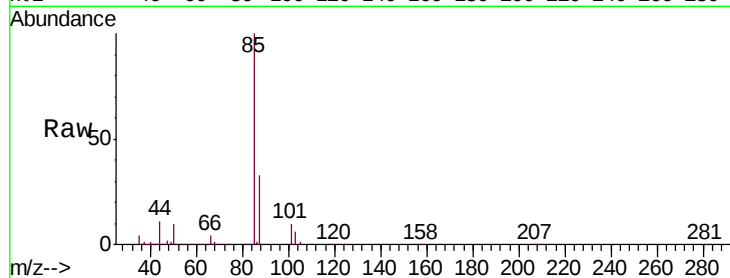
H0G17

Tgt Ion: 85 Resp: 228140

Ion Ratio Lower Upper

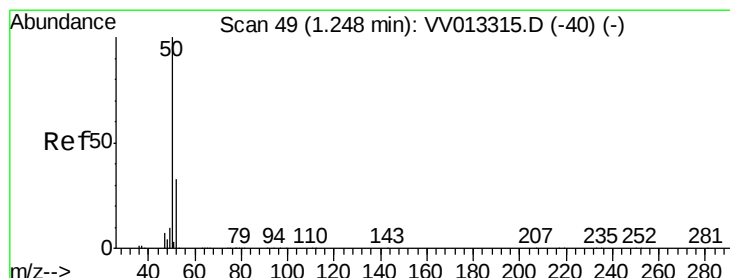
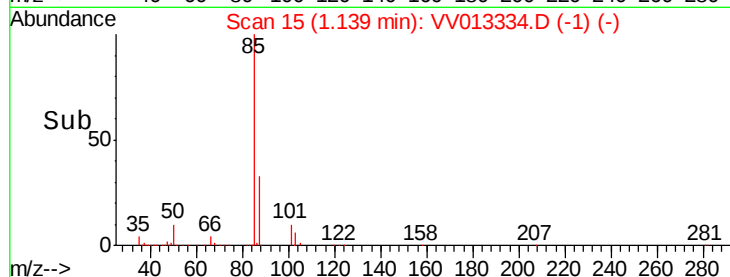
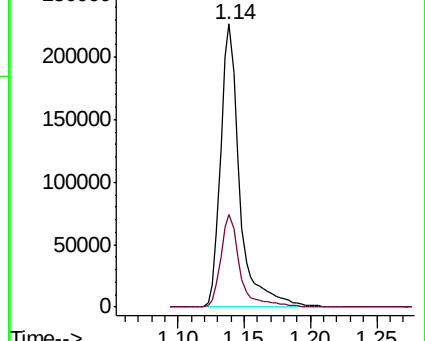
85 100

87 32.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.836 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013334.D

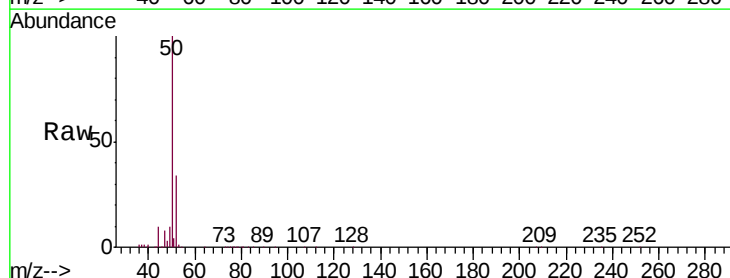
Acq: 25 Oct 2019 02:05

Tgt Ion: 50 Resp: 202776

Ion Ratio Lower Upper

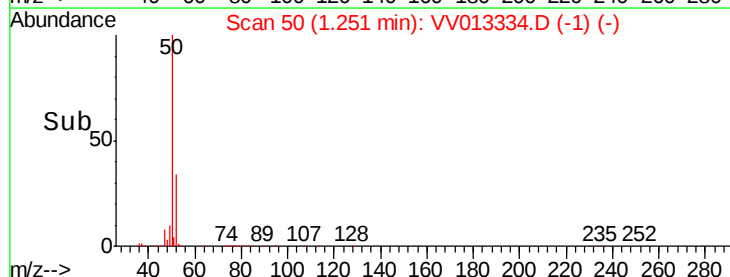
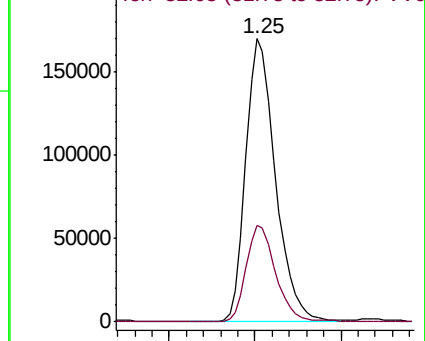
50 100

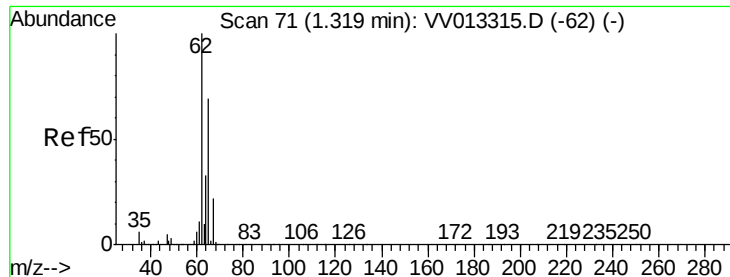
52 34.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.144 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

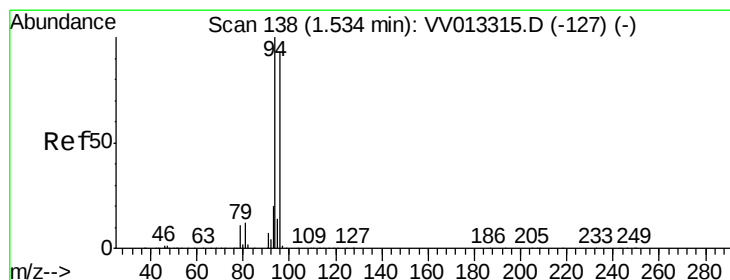
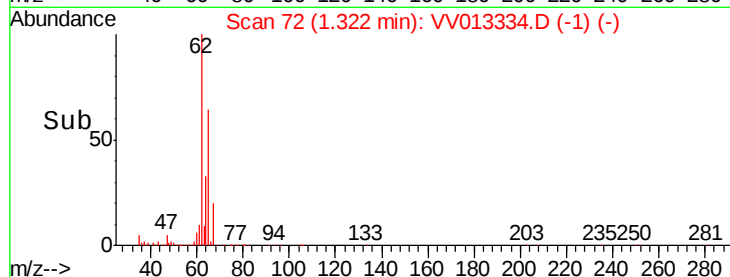
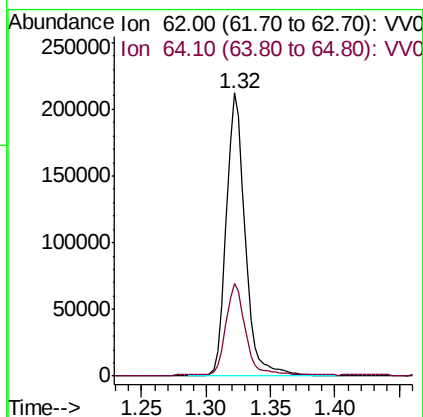
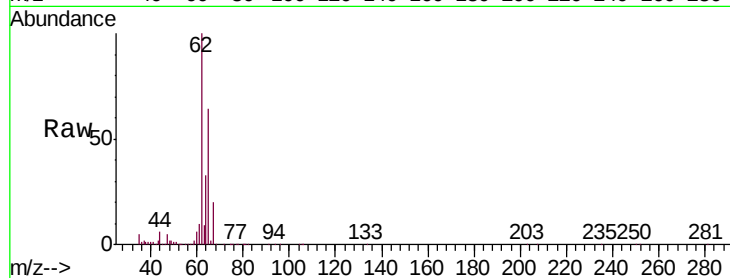
H0G17

Tgt Ion: 62 Resp: 216949

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



#6

Bromomethane

Concen: 4.742 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013334.D

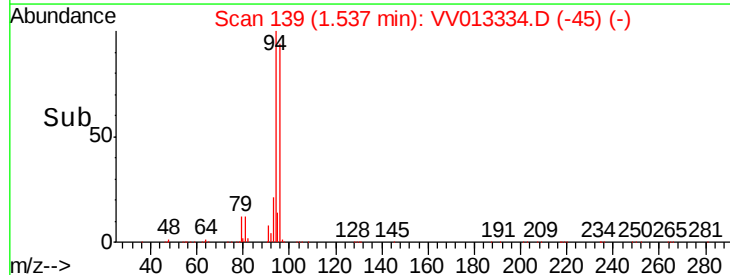
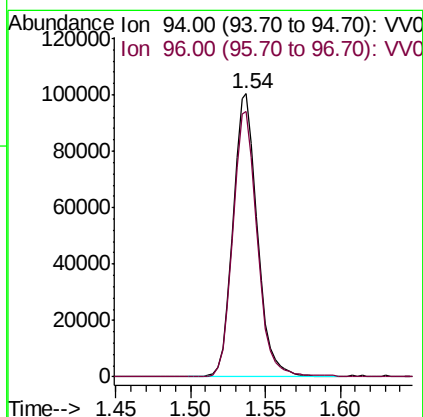
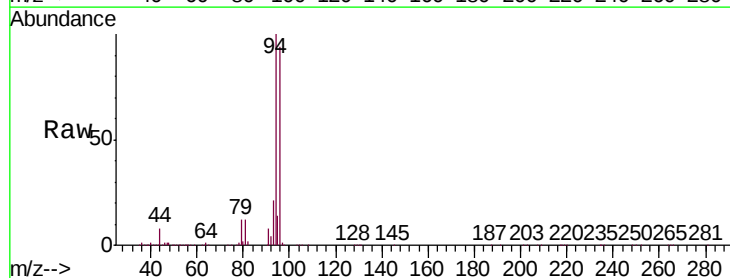
Acq: 25 Oct 2019 02:05

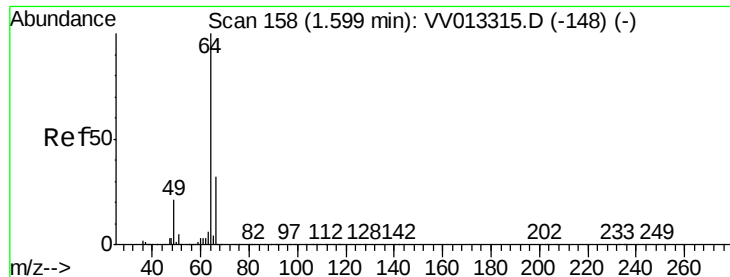
Tgt Ion: 94 Resp: 112649

Ion Ratio Lower Upper

94 100

96 93.9 66.2 123.0

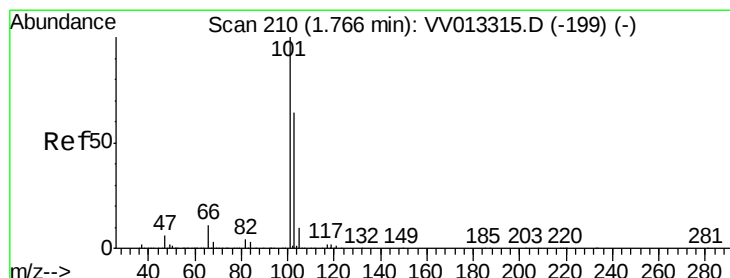
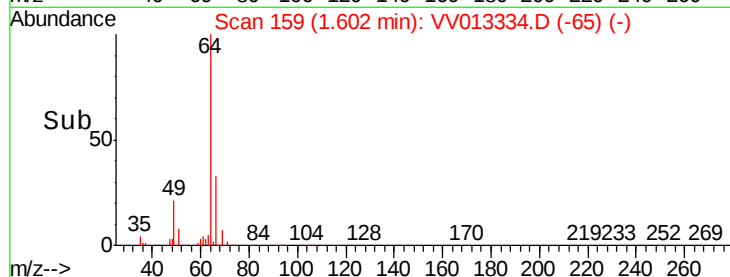
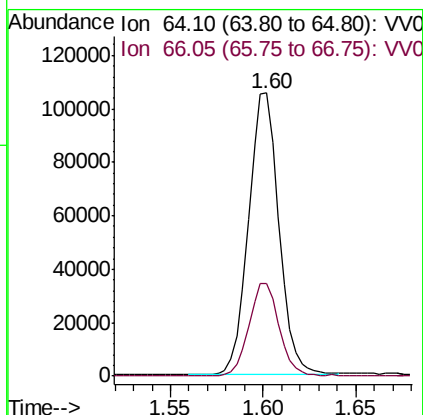
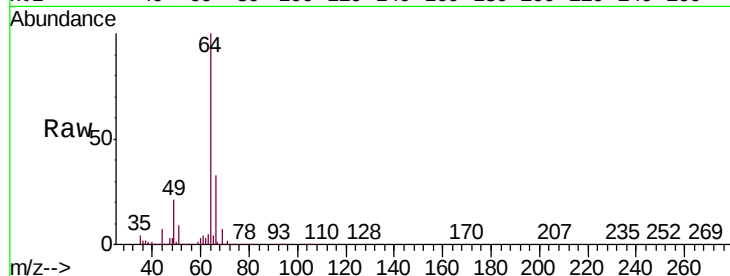




#8
Chloroethane
Concen: 4.791 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

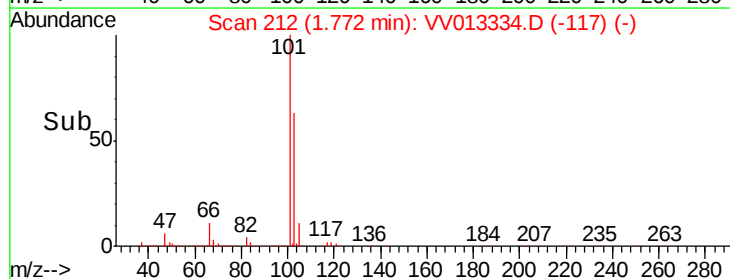
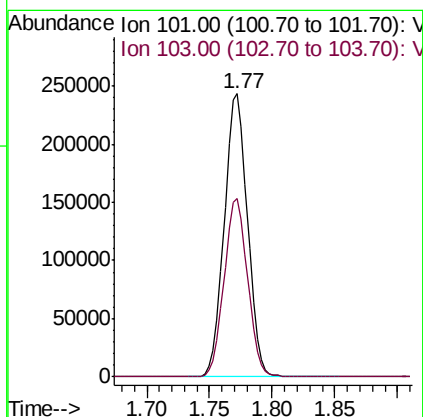
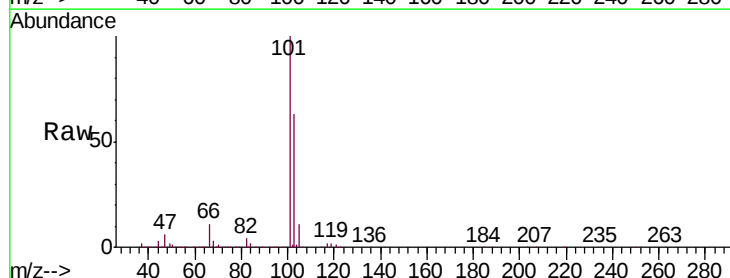
Instrument :
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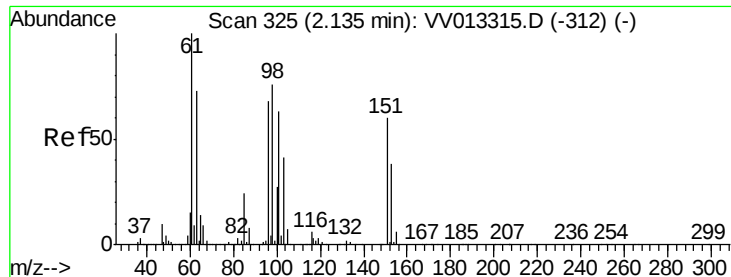
Tgt Ion: 64 Resp: 120430
Ion Ratio Lower Upper
64 100
66 32.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.135 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.01 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

Tgt Ion: 101 Resp: 313415
Ion Ratio Lower Upper
101 100
103 63.7 52.8 79.2





#10

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

Concen: 5.011 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

H0G17

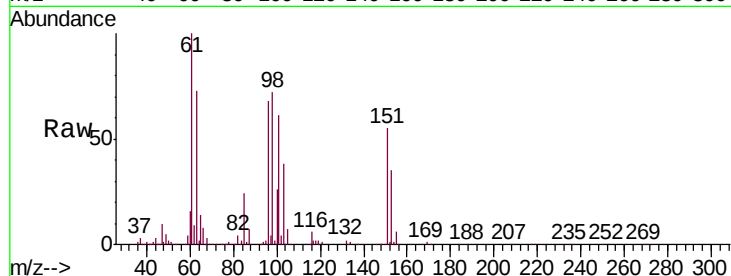
Tgt Ion: 101 Resp: 180722

Ion Ratio Lower Upper

101 100

85 39.6 31.8 47.8

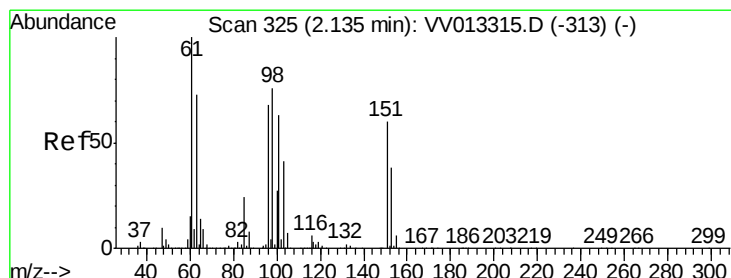
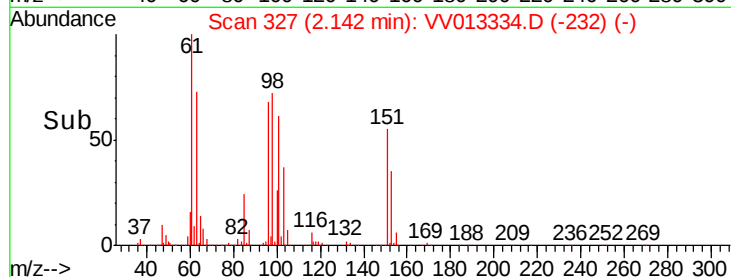
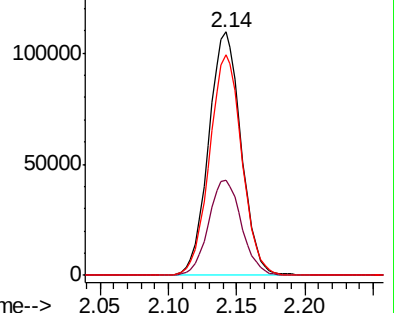
151 90.4 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013334.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013334.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013334.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.982 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

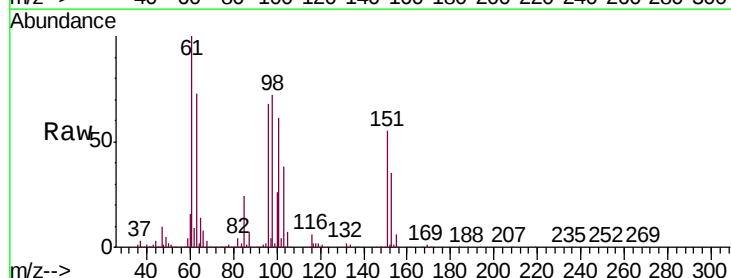
Tgt Ion: 96 Resp: 171181

Ion Ratio Lower Upper

96 100

61 146.8 104.0 193.1

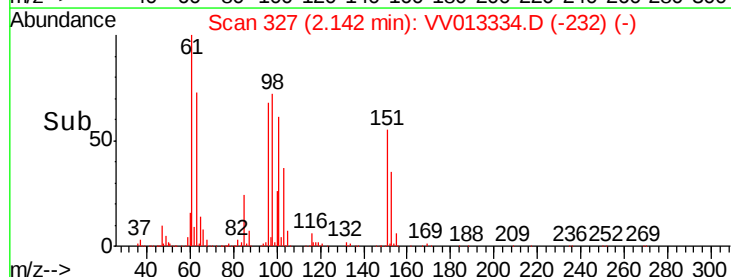
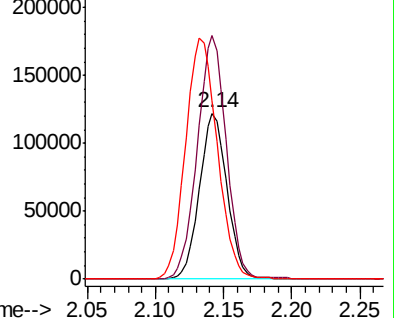
63 107.4 67.1 124.5

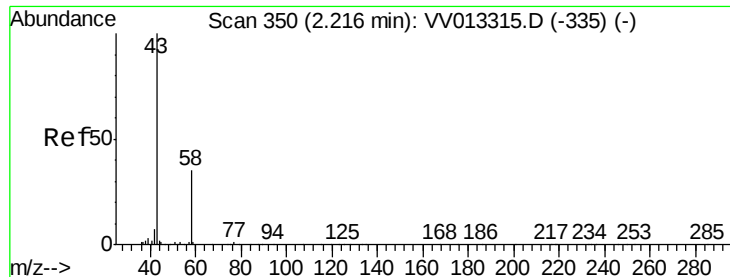


Abundance Ion 96.00 (95.70 to 96.70): VV013334.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV013334.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV013334.D (-232) (-)





#13

Acetone

Concen: 60.451 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV013334.D

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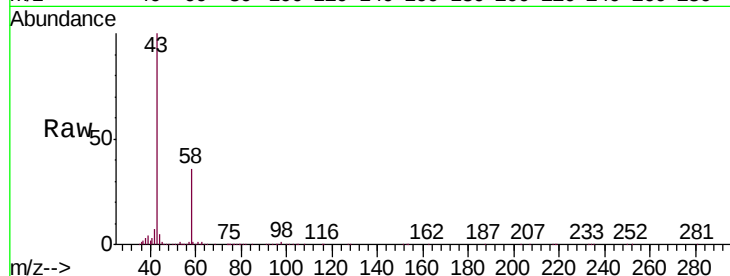
H0G17

Tgt Ion: 43 Resp: 193394

Ion Ratio Lower Upper

43 100

58 34.7 0.0 26.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

120000

100000

80000

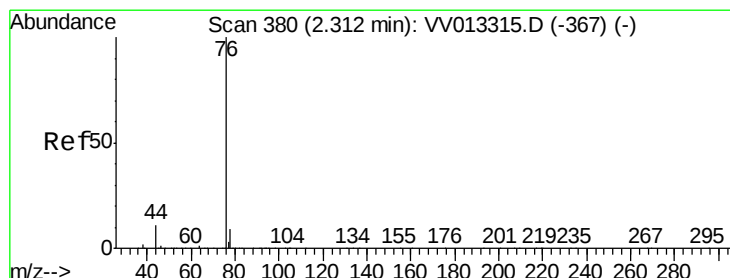
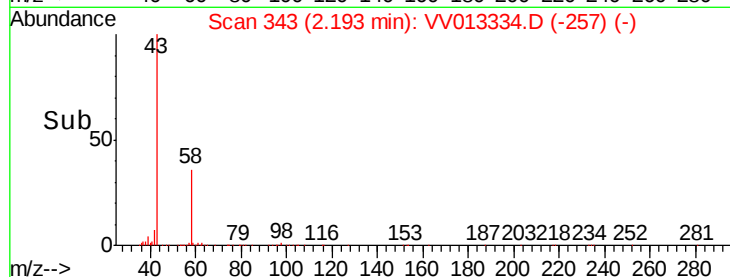
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.873 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013334.D

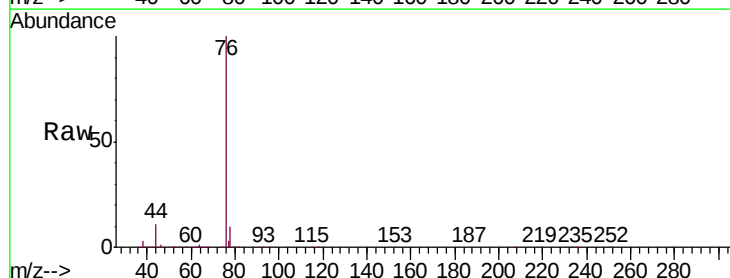
Acq: 25 Oct 2019 02:05

Tgt Ion: 76 Resp: 480703

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

400000

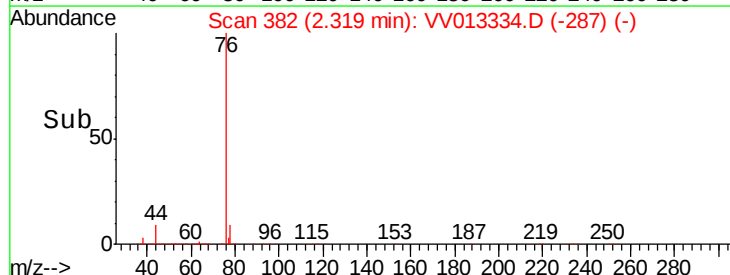
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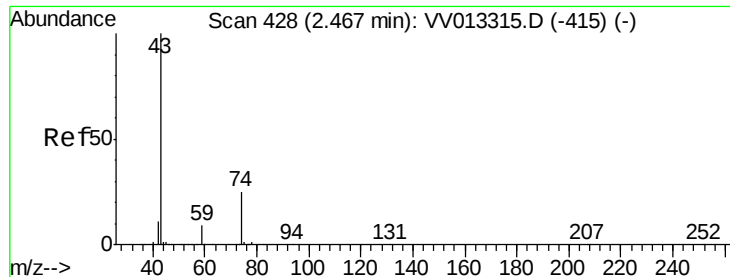
200000

100000

0

Time--> 2.20 2.30 2.40





#15

Methyl Acetate

Concen: 6.487 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

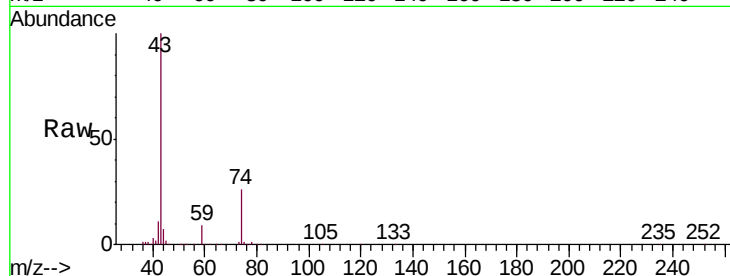
H0G17

Tgt Ion: 43 Resp: 70178

Ion Ratio Lower Upper

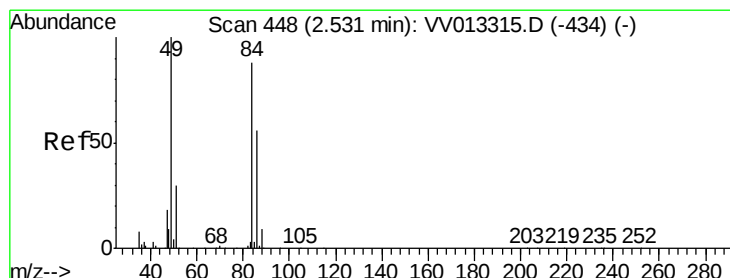
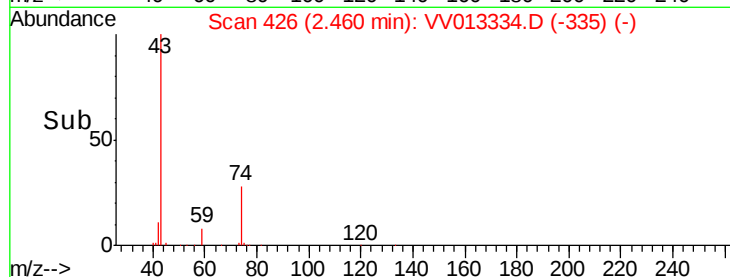
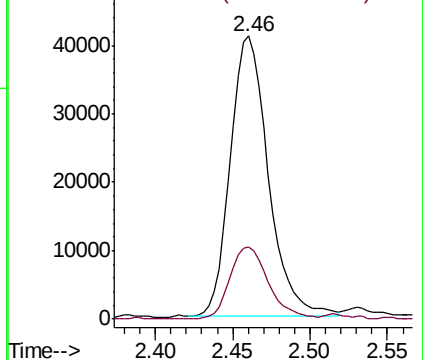
43 100

74 26.1 20.4 30.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.343 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

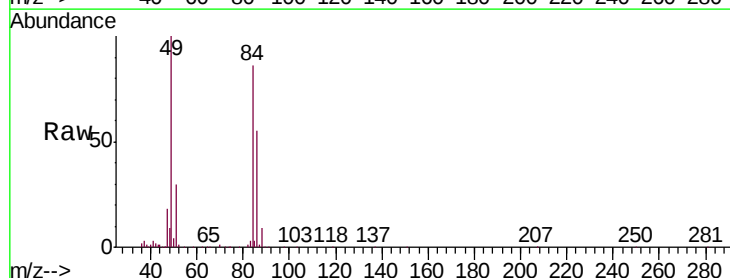
Tgt Ion: 84 Resp: 224269

Ion Ratio Lower Upper

84 100

86 63.5 46.2 85.8

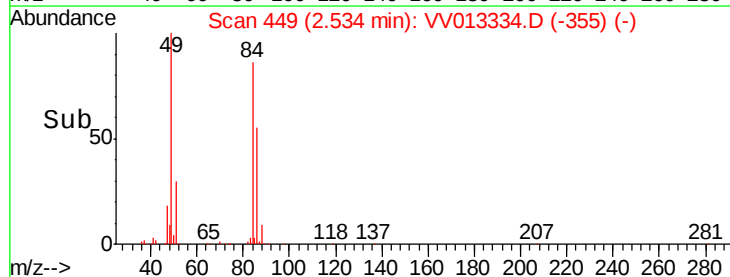
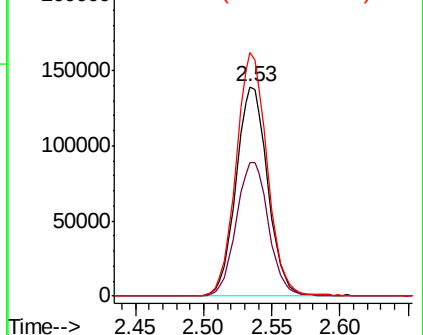
49 116.2 76.4 141.8

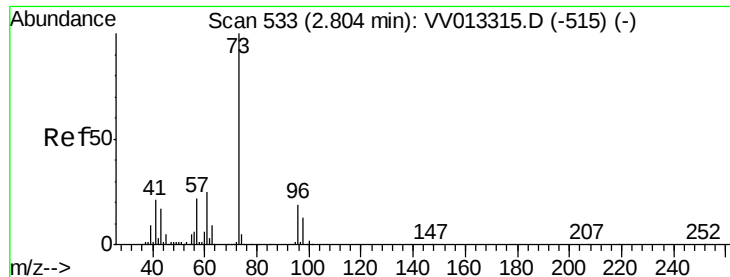


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.529 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampled :

H0G17

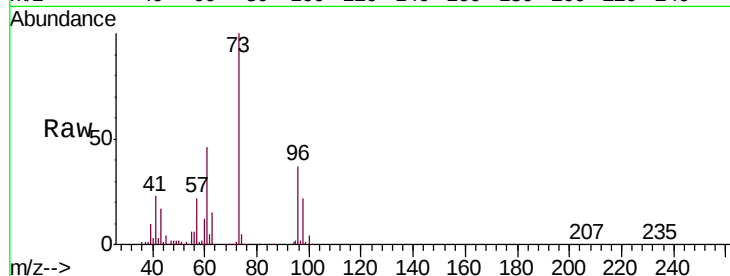
Tgt Ion: 73 Resp: 440004

Ion Ratio Lower Upper

73 100

43 17.7 13.1 19.7

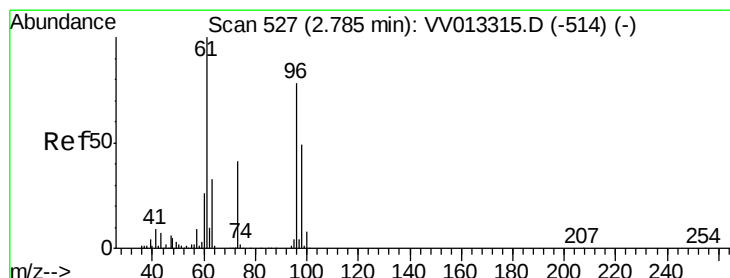
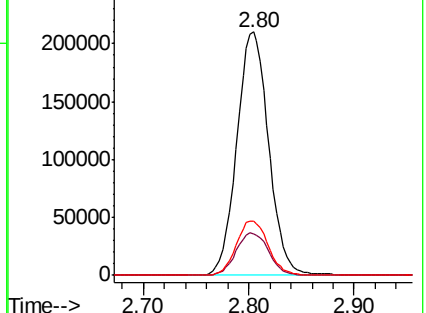
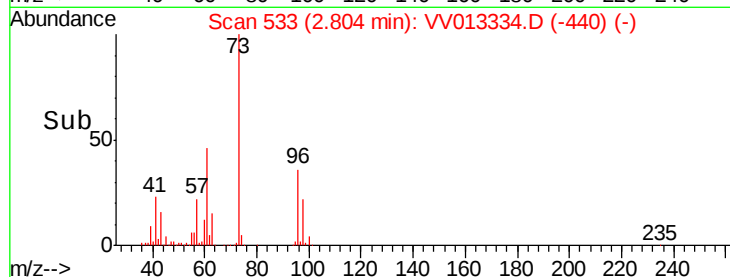
57 22.4 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.616 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

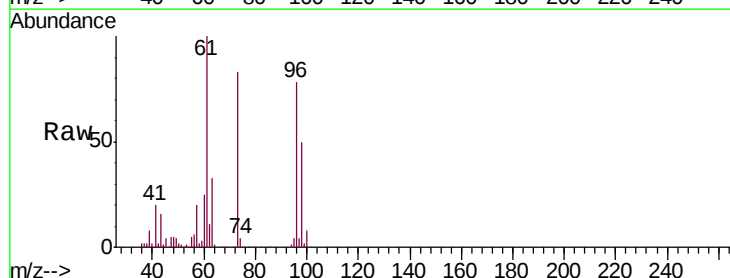
Tgt Ion: 96 Resp: 227475

Ion Ratio Lower Upper

96 100

61 128.3 84.4 156.8

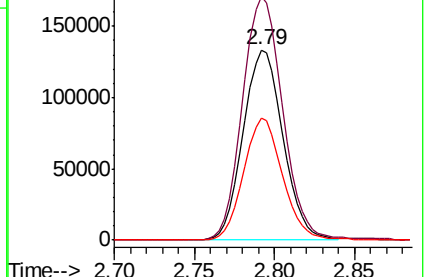
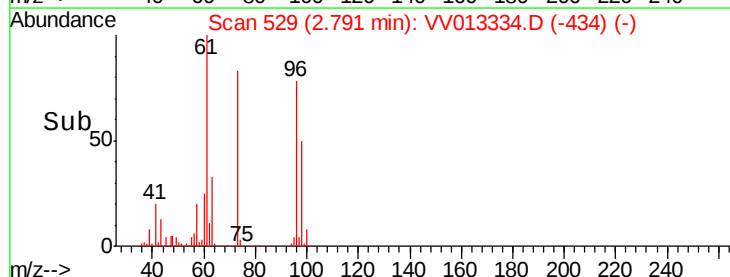
98 64.3 44.4 82.4

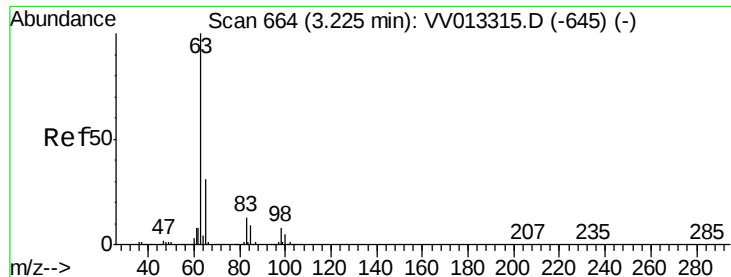


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

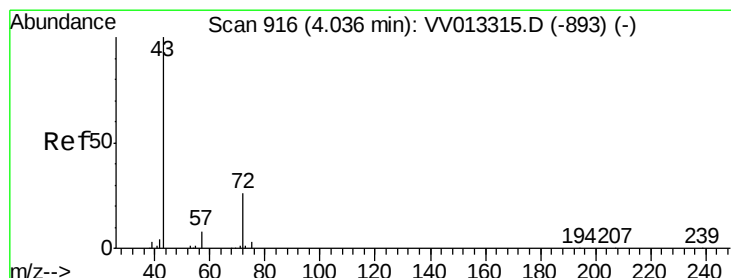
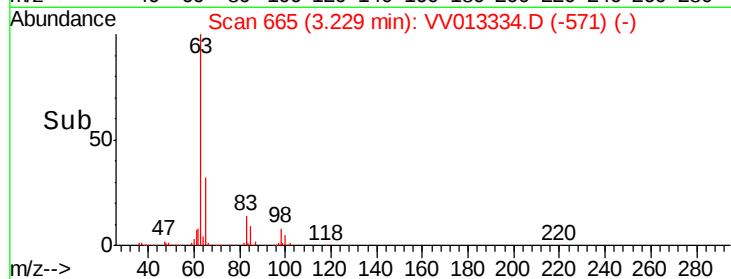
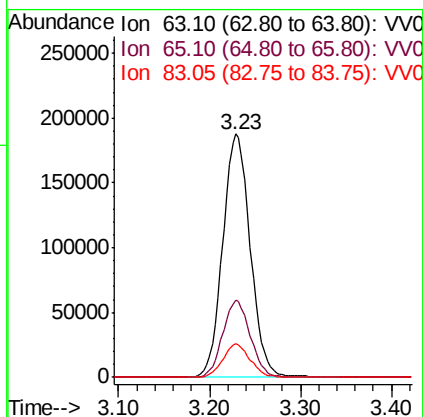
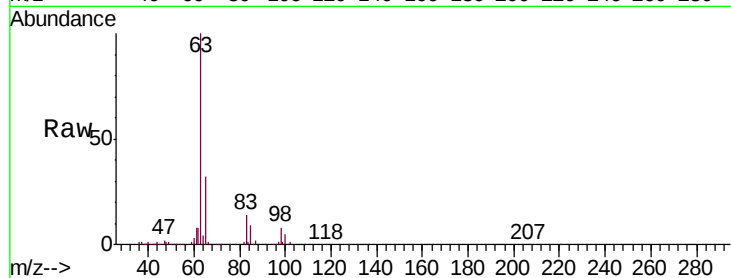




#19
 1,1-Dichloroethane
 Concen: 5.997 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

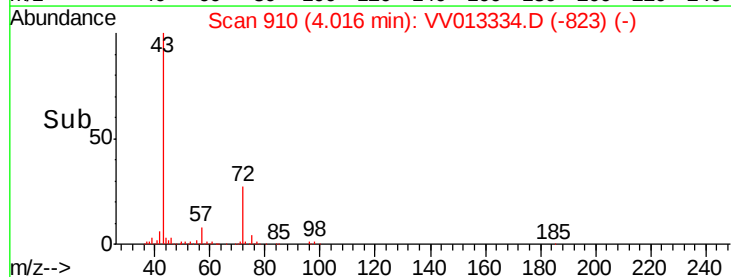
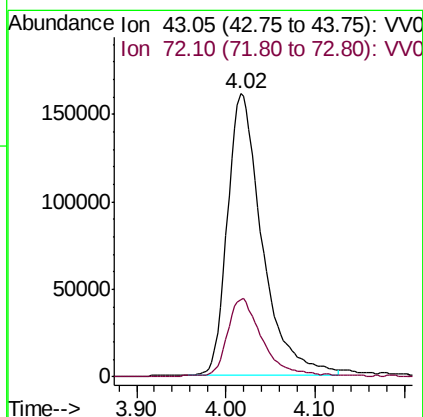
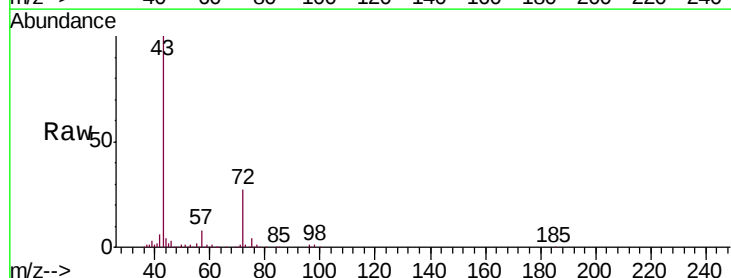
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

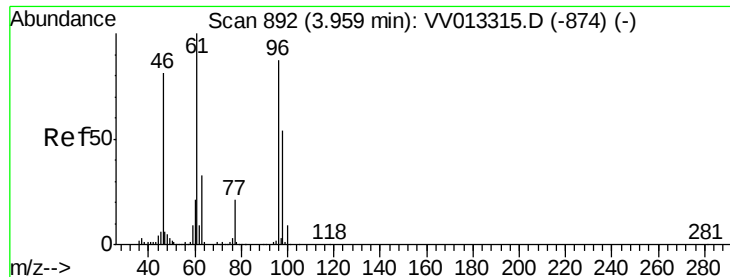
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.0	42.8
83	13.7	10.2	19.0



#21
 2-Butanone
 Concen: 60.644 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.9	13.1	39.3



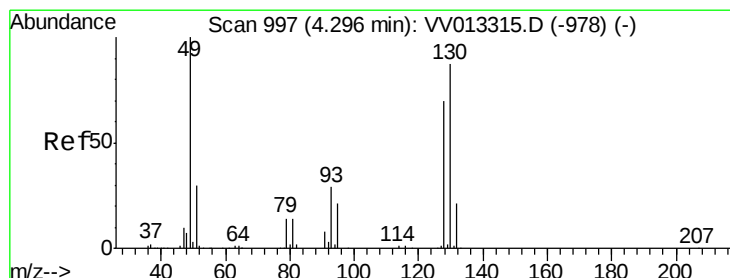
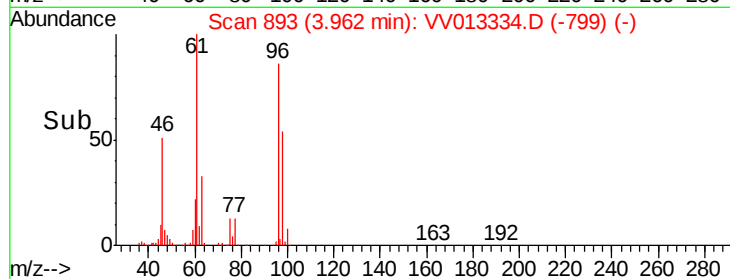
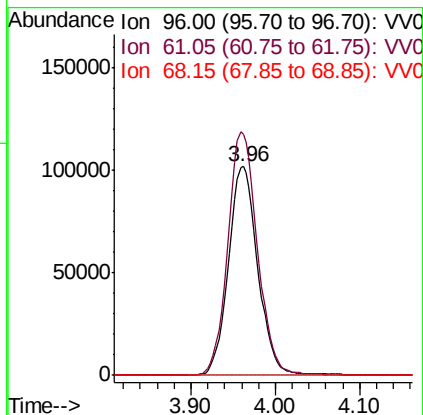
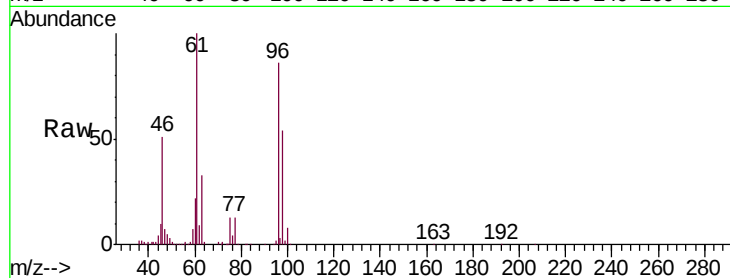


#22

cis-1,2-Dichloroethene
 Concen: 5.669 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

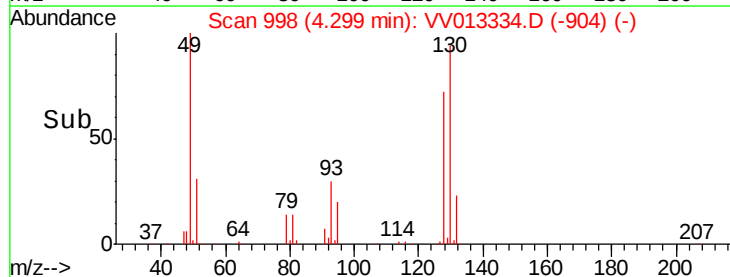
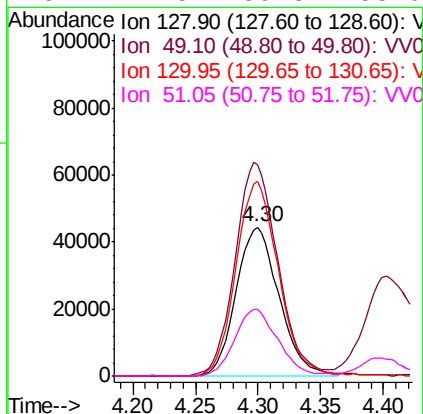
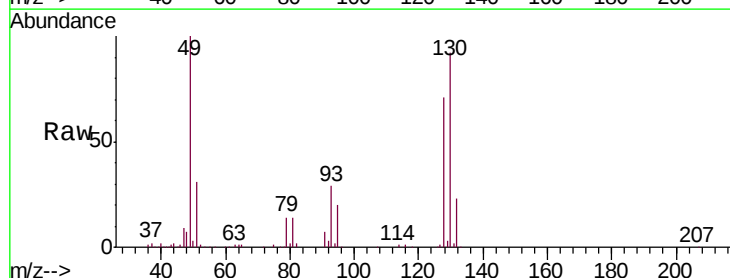
Tgt Ion: 96 Resp: 245767
 Ion Ratio Lower Upper
 96 100
 61 115.8 77.3 143.7
 68 0.0 0.1 0.1#

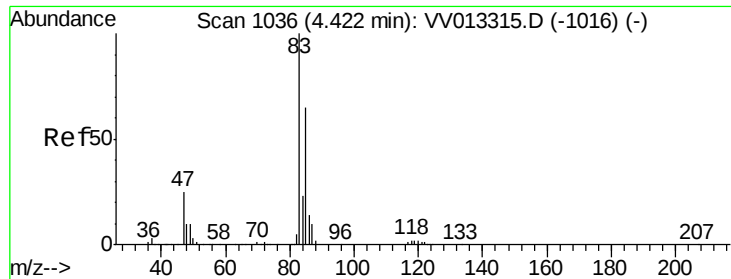


#23

Bromochloromethane
 Concen: 5.151 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion: 128 Resp: 105978
 Ion Ratio Lower Upper
 128 100
 49 141.6 109.9 204.1
 130 130.6 88.7 164.7
 51 44.5 39.3 58.9

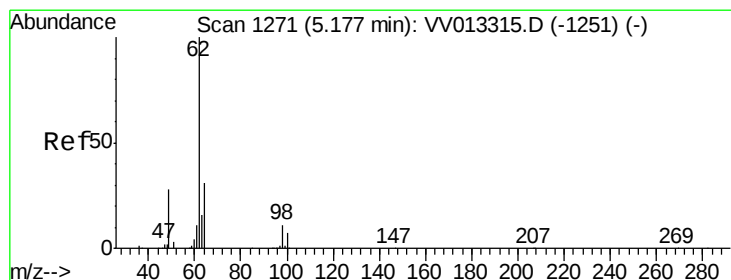
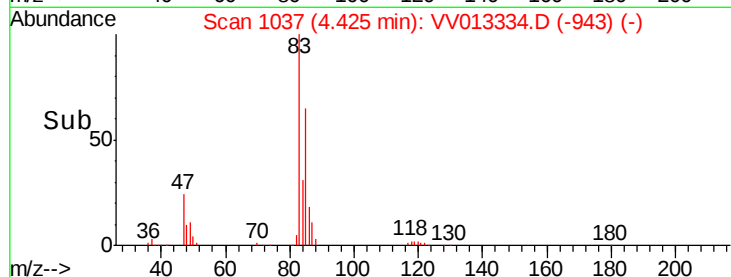
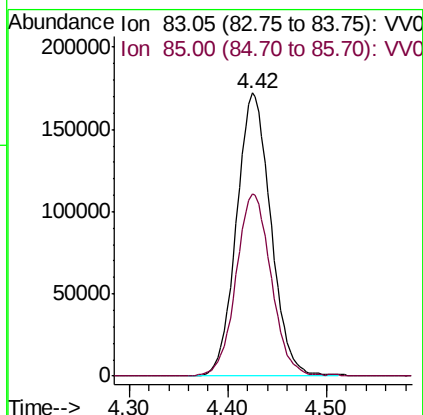
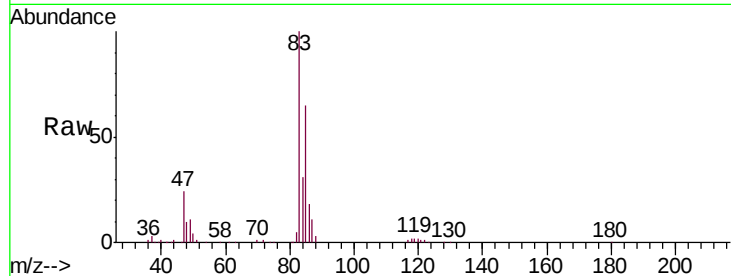




#25
Chloroform
Concen: 4.833 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

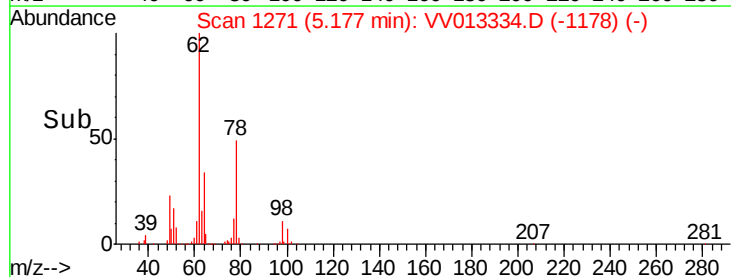
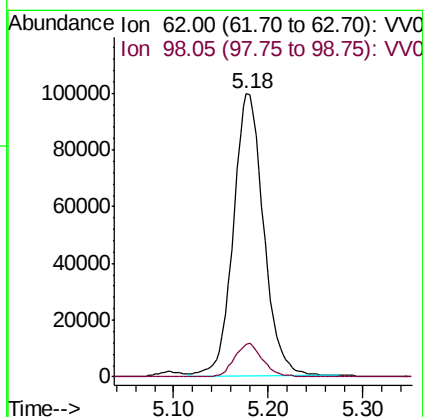
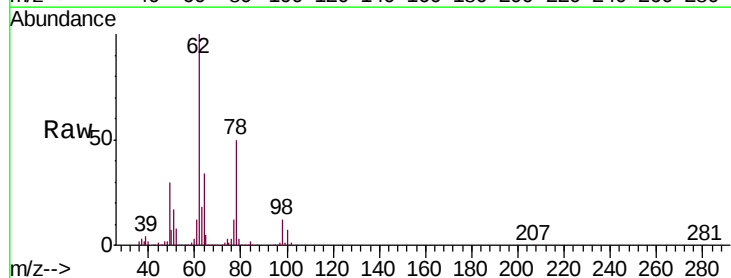
Instrument :
MSVOA_V
ClientSampleId :
H0G17

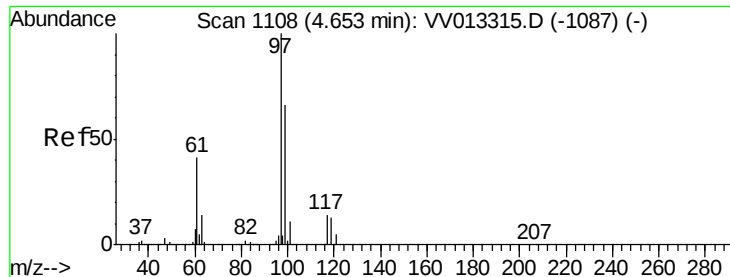
Tgt Ion: 83 Resp: 414836
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.834 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

Tgt Ion: 62 Resp: 221584
Ion Ratio Lower Upper
62 100
98 11.5 8.3 12.5

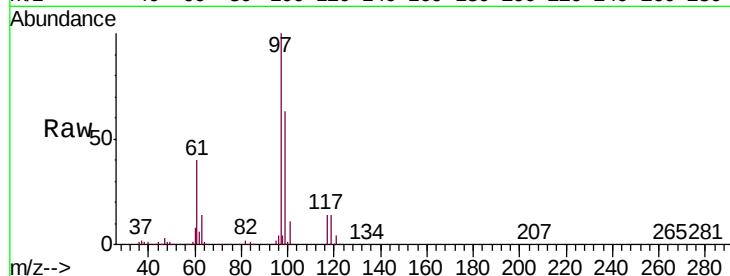




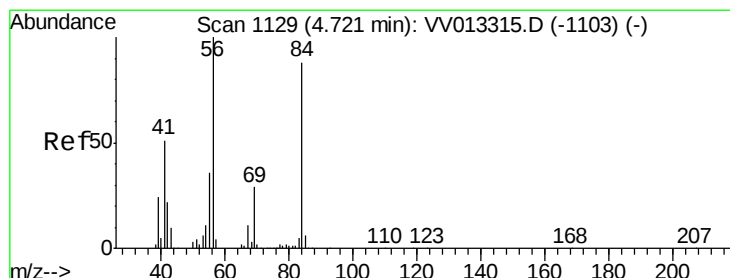
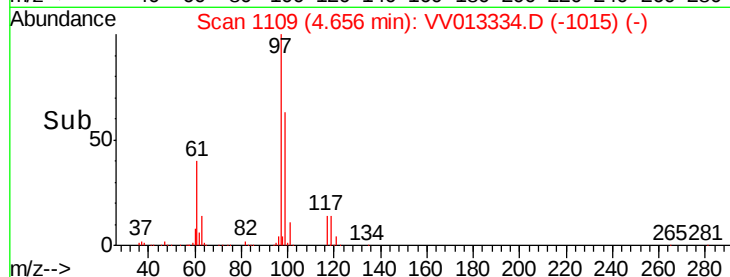
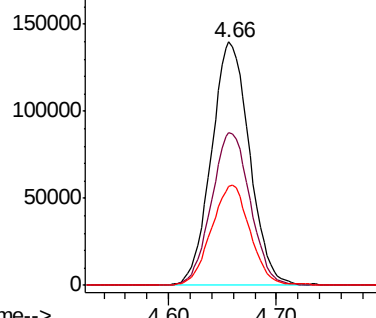
#29
 1,1,1-Trichloroethane
 Concen: 5.044 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

Tgt Ion	Resp	Lower	Upper
97	342577		
99	63.7	51.7	77.5
61	41.7	34.3	51.5

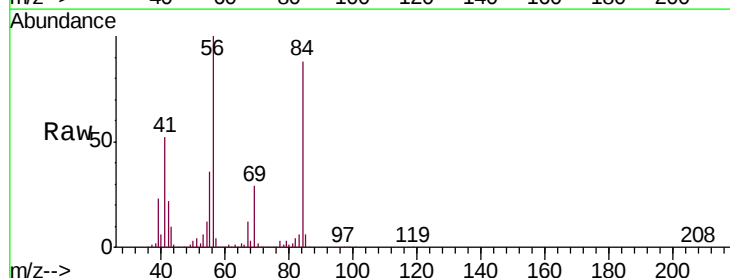


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

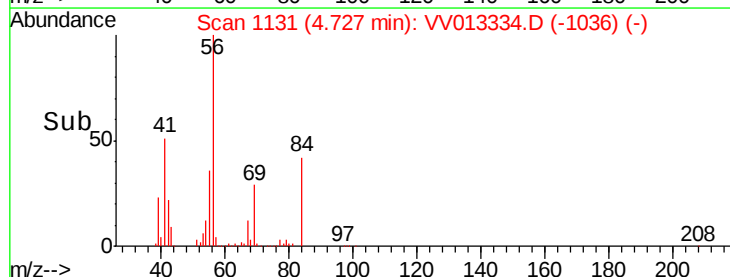
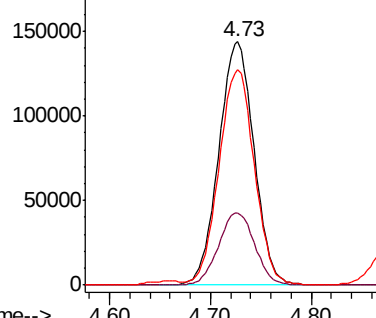


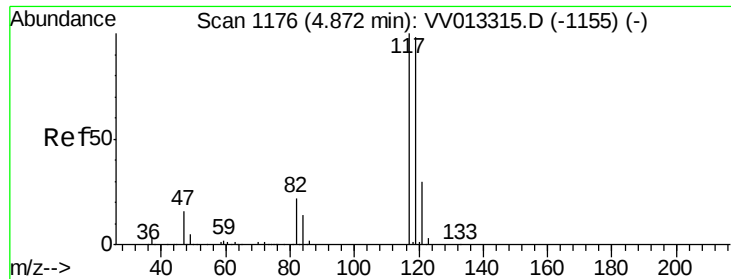
#30
 Cyclohexane
 Concen: 4.934 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion	Resp	Lower	Upper
56	347793		
69	30.6	24.6	37.0
84	88.8	71.0	106.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.204 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

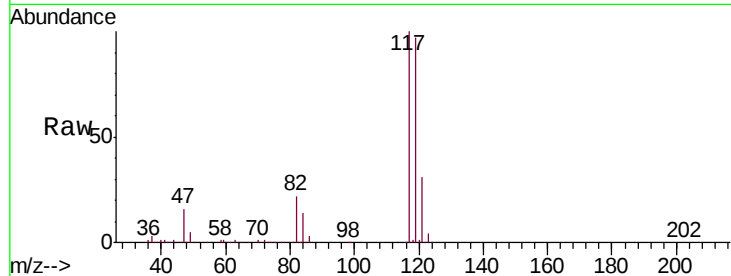
H0G17

Tgt Ion:117 Resp: 317056

Ion Ratio Lower Upper

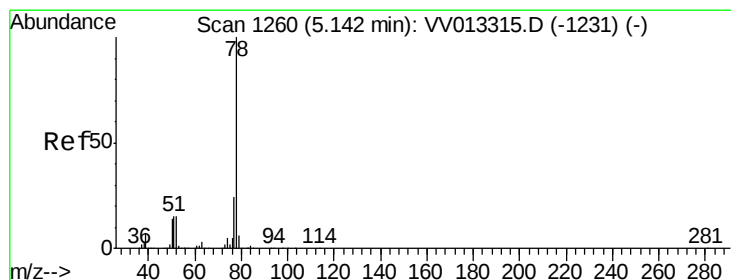
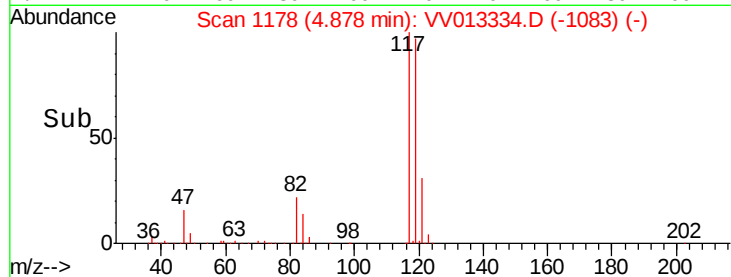
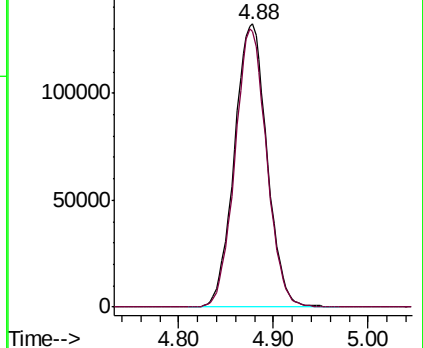
117 100

119 95.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.182 ug/L

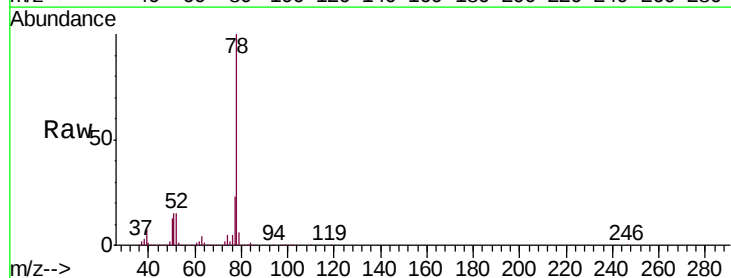
RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

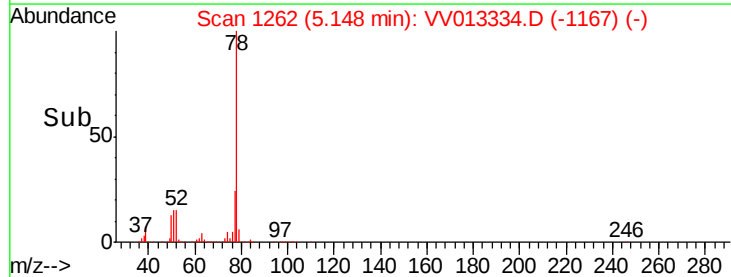
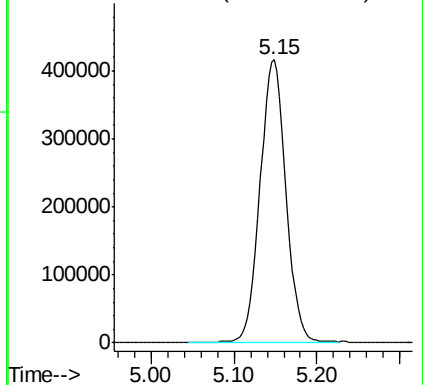
Lab File: VV013334.D

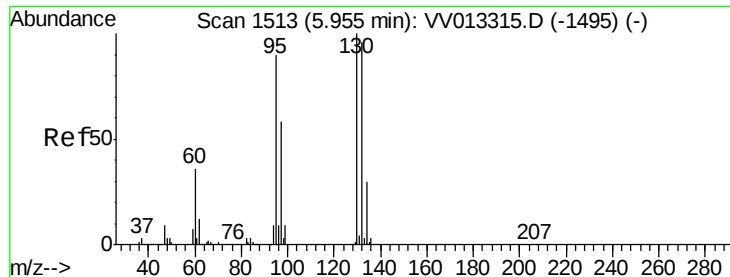
Acq: 25 Oct 2019 02:05

Tgt Ion: 78 Resp: 909082



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.214 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

H0G17

Tgt Ion: 95 Resp: 245455

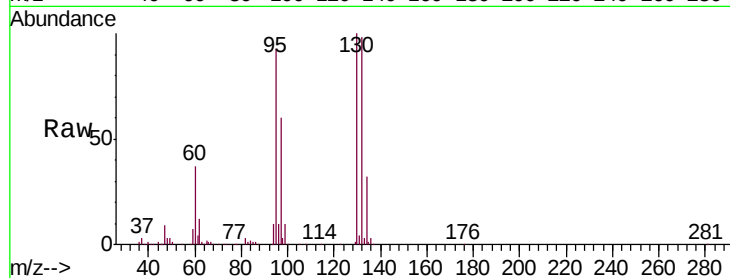
Ion Ratio Lower Upper

95 100

97 64.2 45.2 84.0

132 105.1 70.6 131.2

130 107.7 75.5 140.3



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

200000

150000

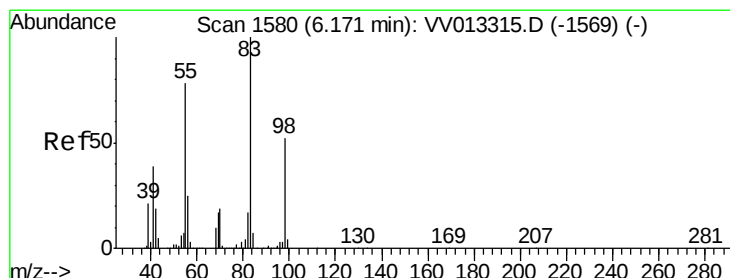
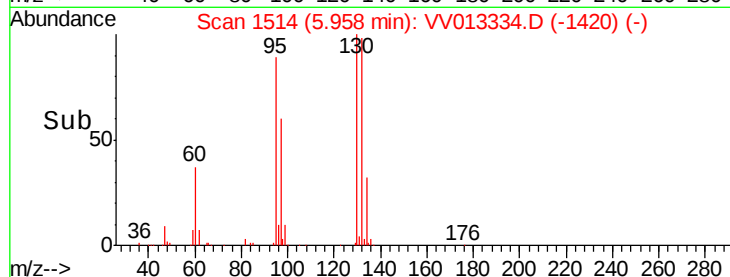
100000

50000

0

5.90 6.00 6.10

Time-->



#35

Methylcyclohexane

Concen: 5.065 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

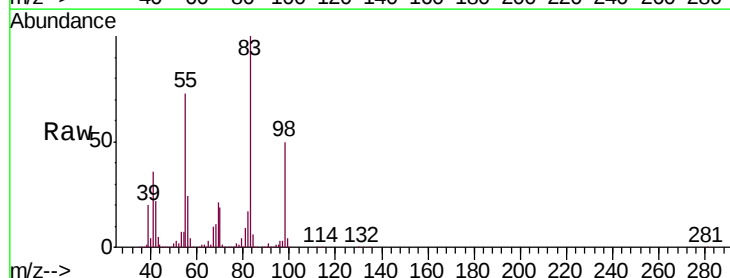
Tgt Ion: 83 Resp: 366859

Ion Ratio Lower Upper

83 100

55 73.2 62.4 93.6

98 48.4 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

250000

200000

150000

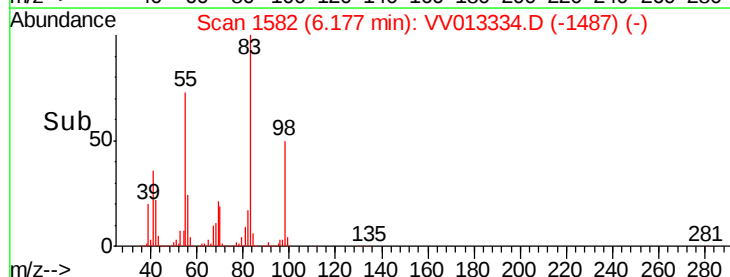
100000

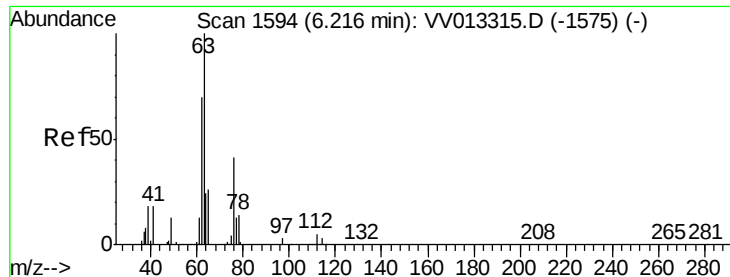
50000

0

6.10 6.15 6.20 6.25 6.30

Time-->





#37

1,2-Dichloropropane

Concen: 4.991 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

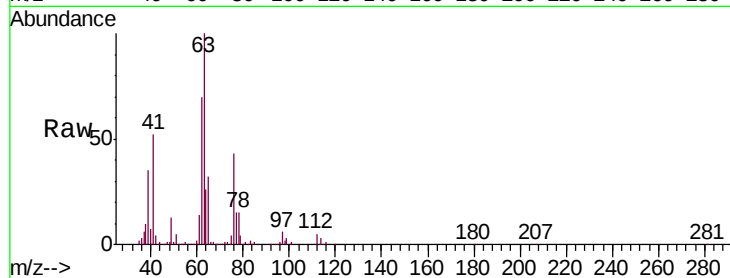
H0G17

Tgt Ion: 63 Resp: 212704

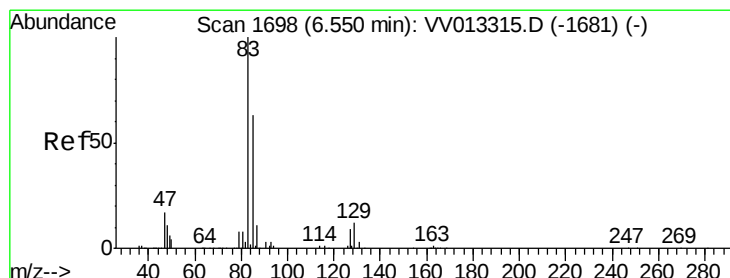
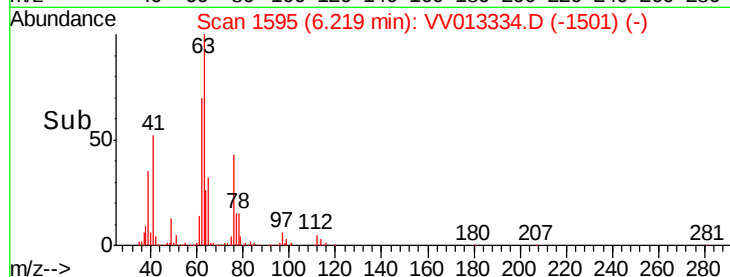
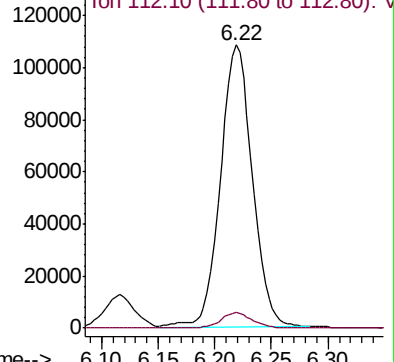
Ion Ratio Lower Upper

63 100

112 5.4 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VV013334.D (-1501) (-)



#38

Bromodichloromethane

Concen: 4.978 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

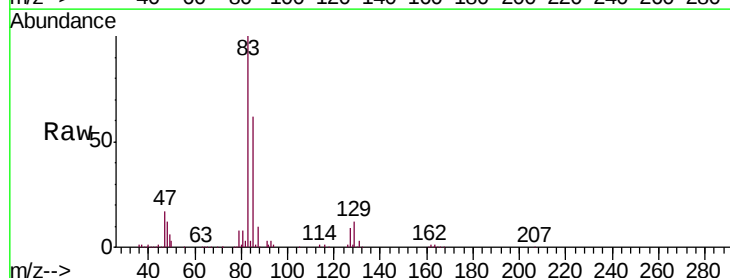
Tgt Ion: 83 Resp: 274602

Ion Ratio Lower Upper

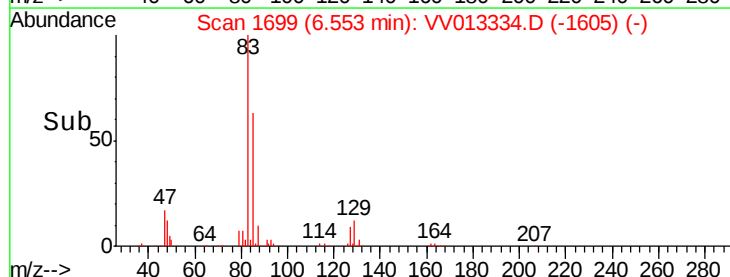
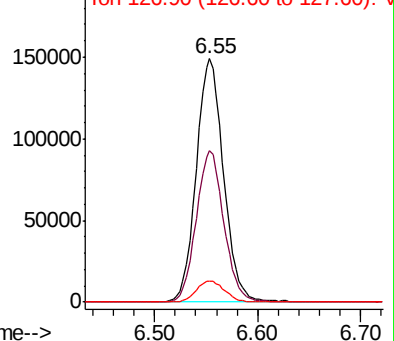
83 100

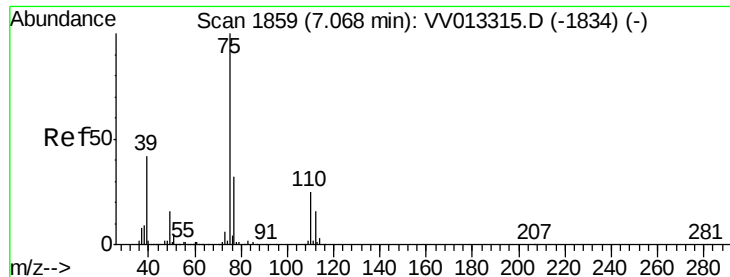
85 62.4 44.4 82.5

127 8.8 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV013334.D (-1605) (-)

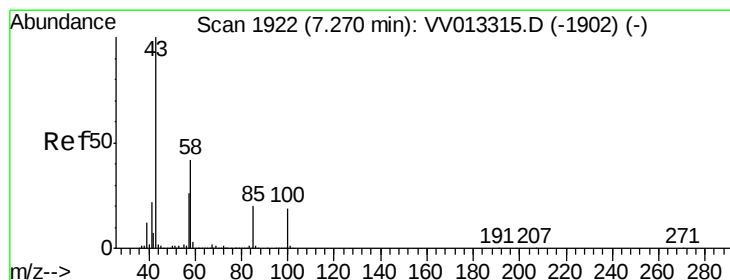
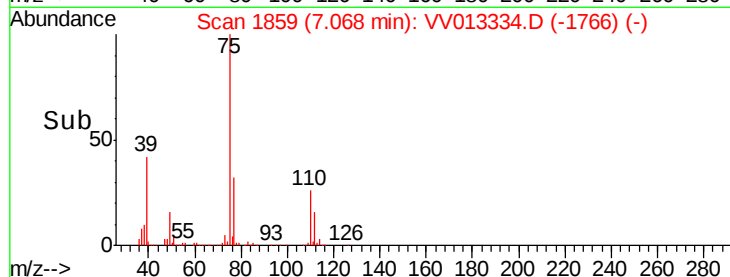
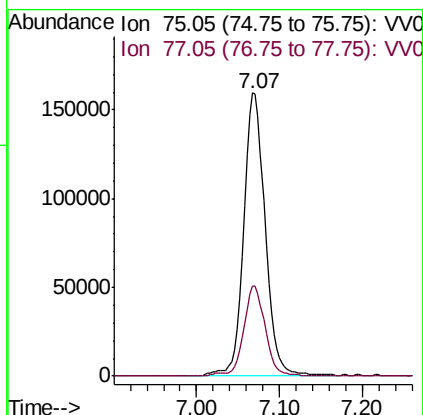
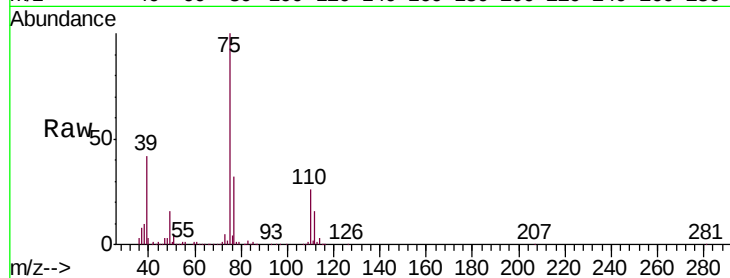




#39
 cis-1,3-Dichloropropene
 Concen: 4.816 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

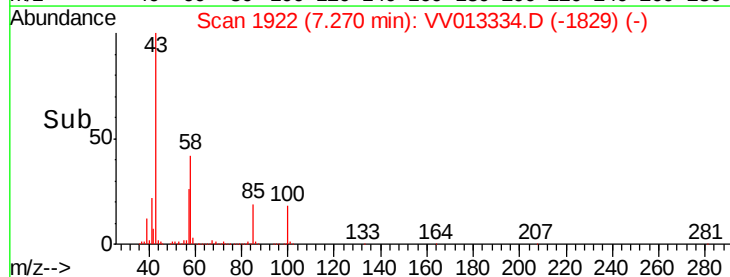
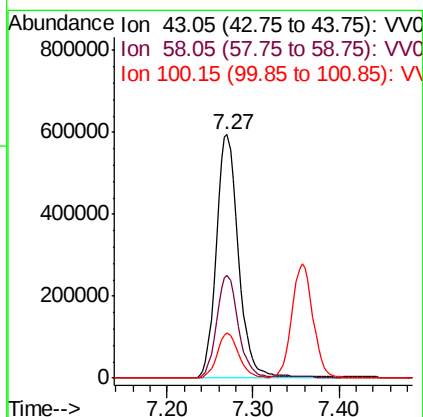
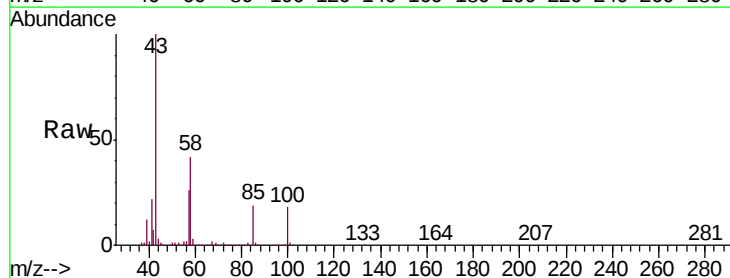
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

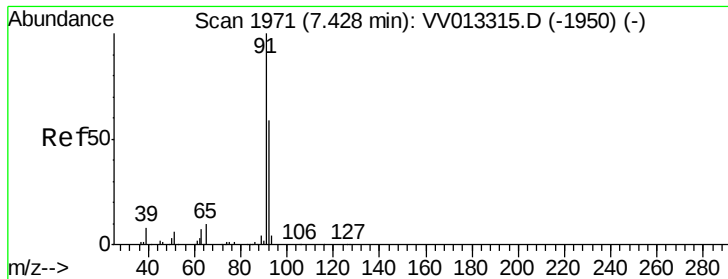
Tgt Ion: 75 Resp: 289103
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 49.317 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion: 43 Resp: 1074365
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.7 46.1
 100 17.8 12.4 18.6





#42

Toluene

Concen: 5.306 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

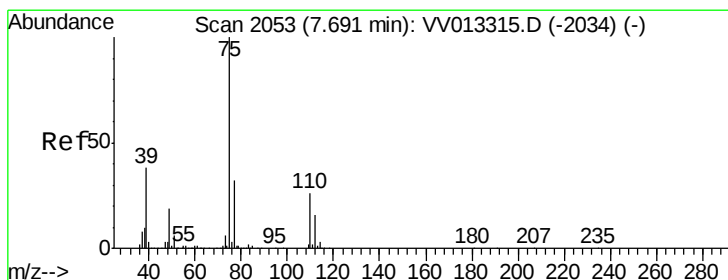
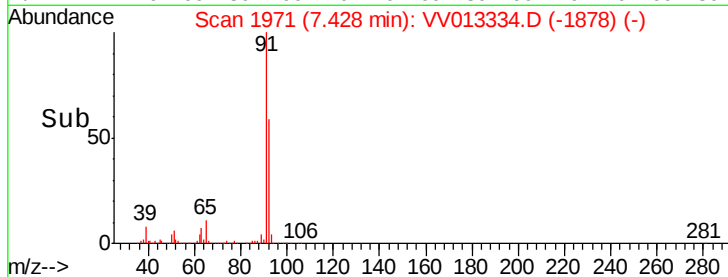
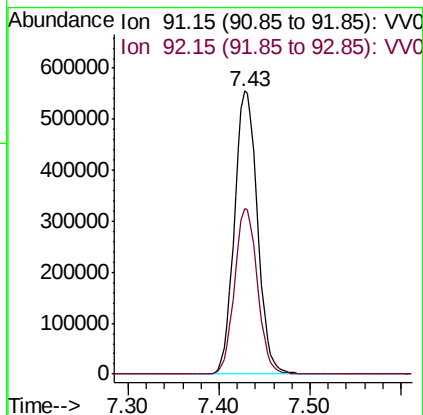
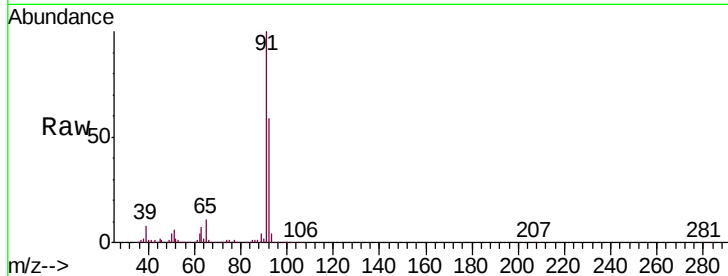
H0G17

Tgt Ion: 91 Resp: 977512

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.747 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013334.D

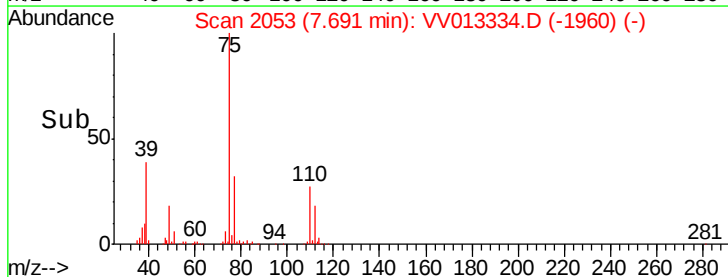
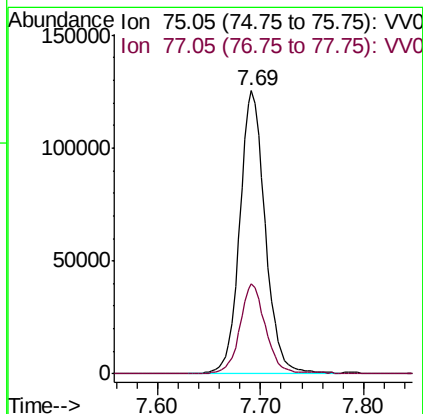
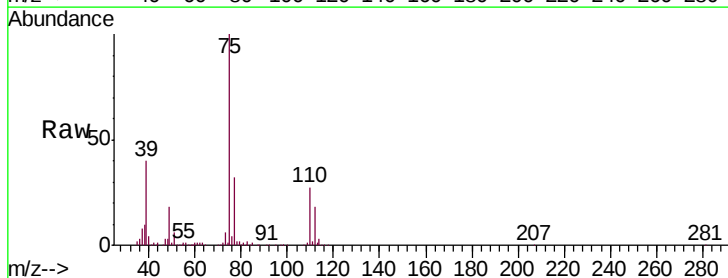
Acq: 25 Oct 2019 02:05

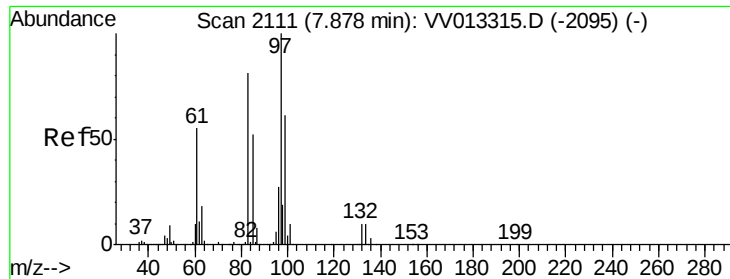
Tgt Ion: 75 Resp: 215841

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

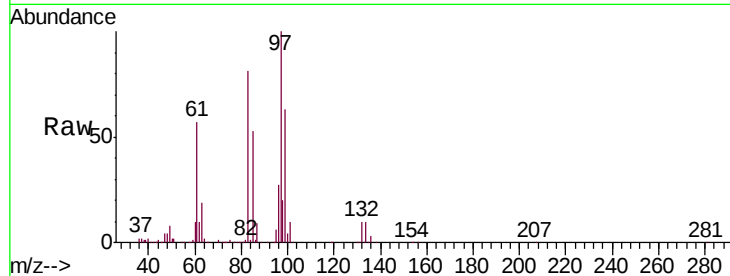




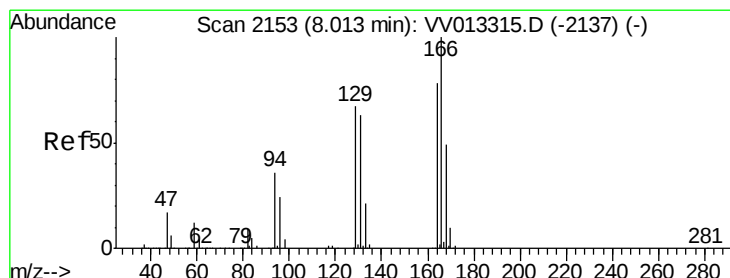
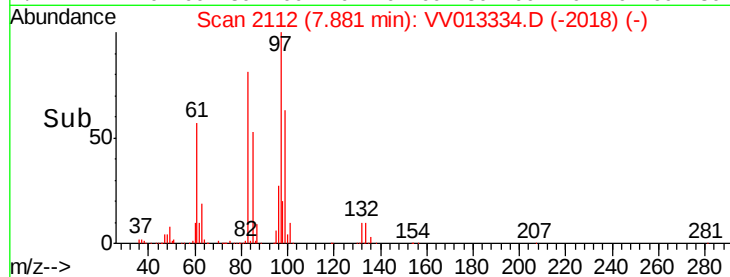
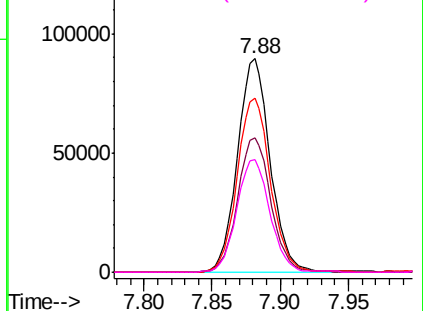
#45
 1,1,2-Trichloroethane
 Concen: 5.012 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

Tgt Ion:	97	Resp:	149095
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.2	78.4
83	81.4	58.4	108.4
85	52.8	37.0	68.6

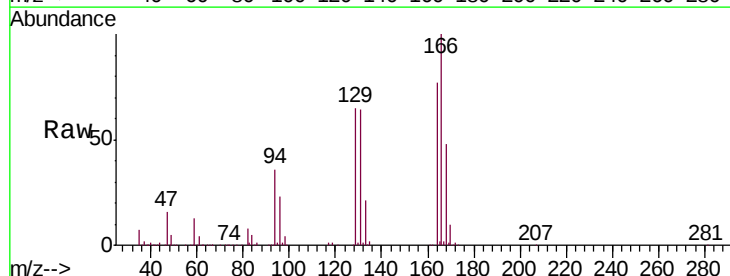


Abundance Ion 96.95 (96.65 to 97.65): VV013315.D (-2095) (-)
 Ion 99.05 (98.75 to 99.75): VV013315.D (-2095) (-)
 Ion 82.95 (82.65 to 83.65): VV013315.D (-2095) (-)
 Ion 85.00 (84.70 to 85.70): VV013315.D (-2095) (-)

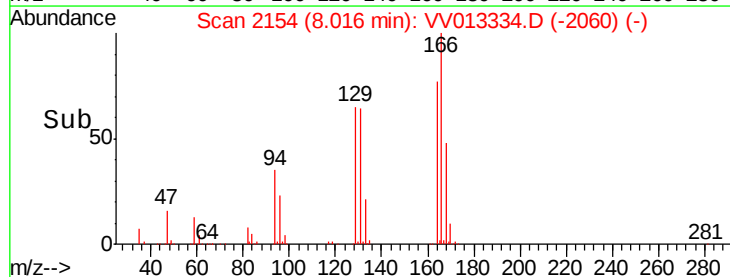
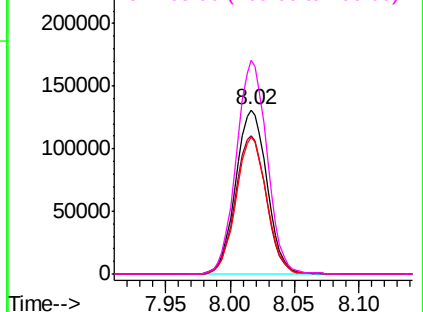


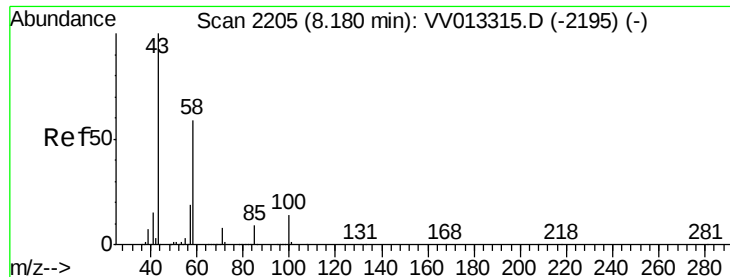
#47
 Tetrachloroethene
 Concen: 5.189 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion:	164	Resp:	221826
Ion	Ratio	Lower	Upper
164	100		
129	84.5	61.0	113.2
131	83.4	57.5	106.9
166	130.0	87.8	163.0



Abundance Ion 163.90 (163.60 to 164.60): VV013315.D (-2137) (-)
 Ion 128.95 (128.65 to 129.65): VV013315.D (-2137) (-)
 Ion 130.95 (130.65 to 131.65): VV013315.D (-2137) (-)
 Ion 165.90 (165.60 to 166.60): VV013315.D (-2137) (-)

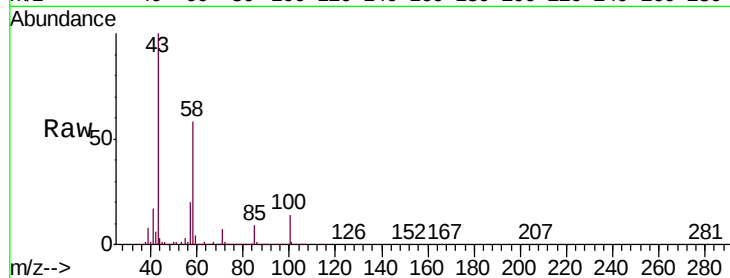




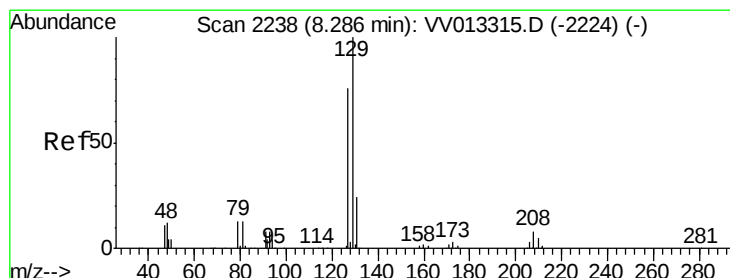
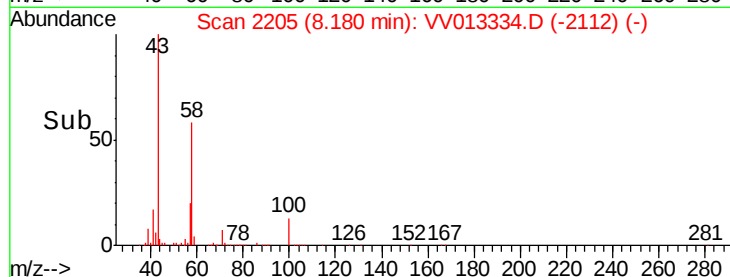
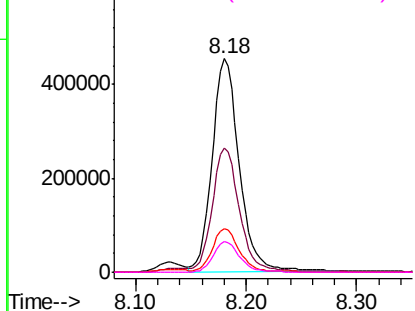
#48
2-Hexanone
Concen: 49.554 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

Instrument :
MSVOA_V
ClientSampleId :
H0G17

Tgt Ion: 43 Resp: 770645
Ion Ratio Lower Upper
43 100
58 59.4 45.1 67.7
57 20.3 15.5 23.3
100 14.0 10.2 15.2

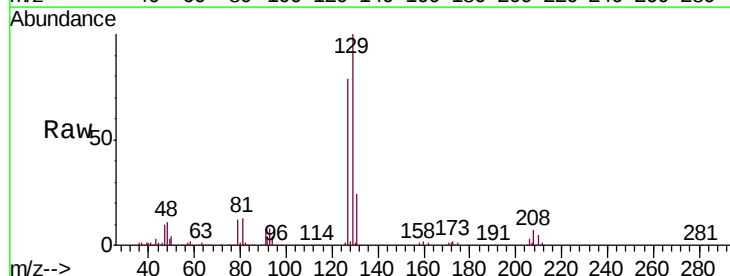


Abundance Ion 43.05 (42.75 to 43.75): VV013315.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013315.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013315.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013315.D (-2195) (-)

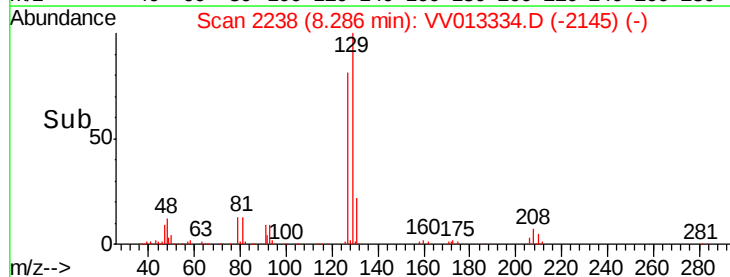
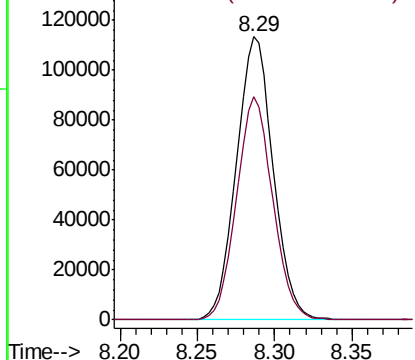


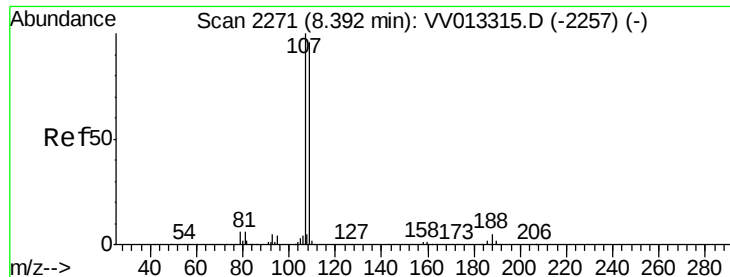
#49
Dibromochloromethane
Concen: 5.001 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

Tgt Ion: 129 Resp: 187385
Ion Ratio Lower Upper
129 100
127 78.8 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV013315.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV013315.D (-2224) (-)

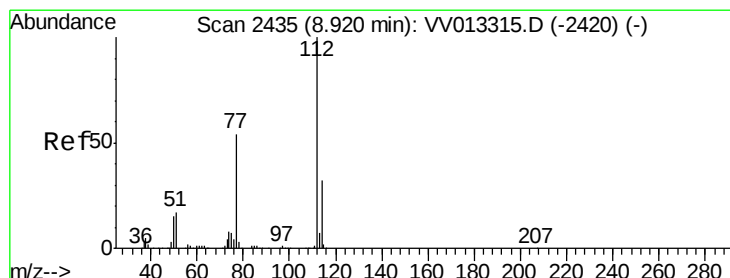
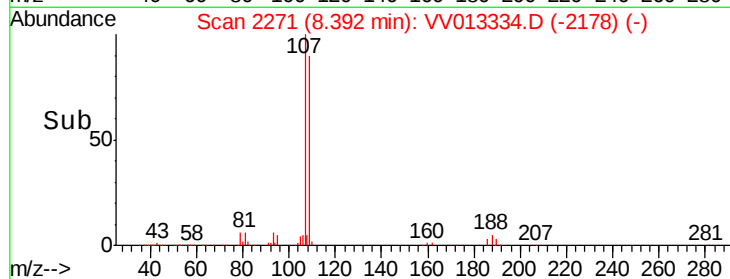
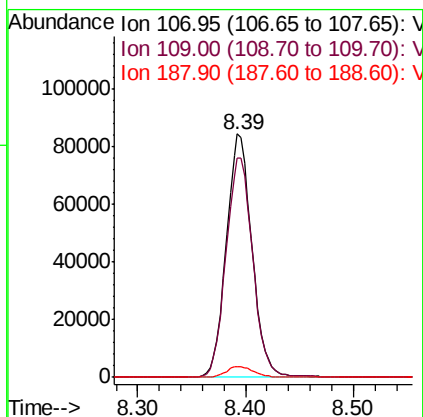
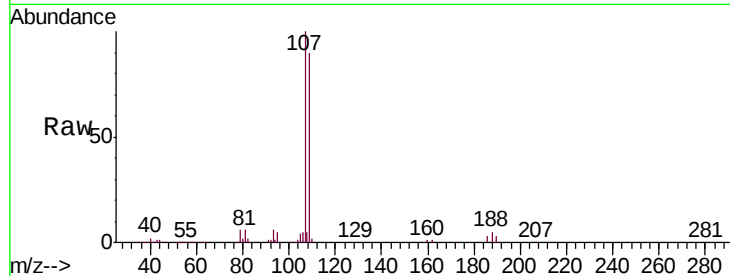




#50
 1,2-Dibromoethane
 Concen: 4.959 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

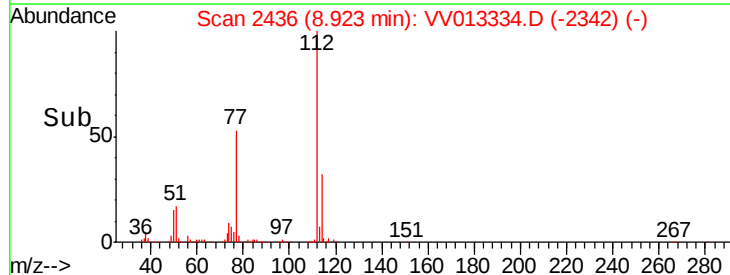
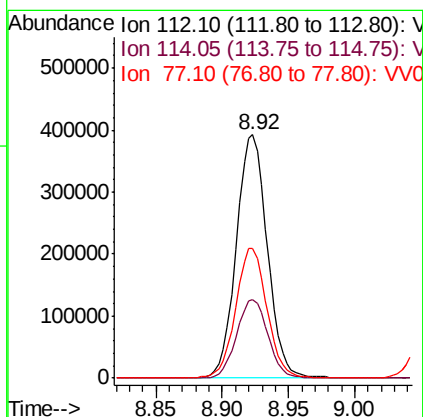
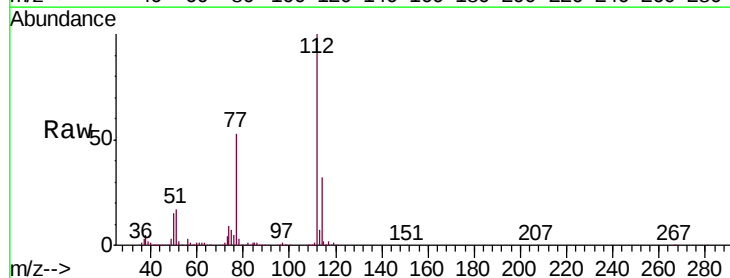
Instrument :
 MSVOA_V
 ClientSampled :
 H0G17

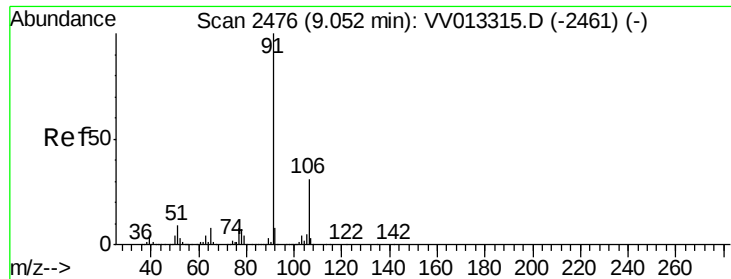
Tgt Ion:107 Resp: 140561
 Ion Ratio Lower Upper
 107 100
 109 90.3 65.5 121.6
 188 4.5 3.7 5.5



#51
 Chlorobenzene
 Concen: 5.282 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion:112 Resp: 636989
 Ion Ratio Lower Upper
 112 100
 114 32.5 21.8 40.6
 77 53.3 44.4 66.6





#52

Ethylbenzene

Concen: 5.347 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

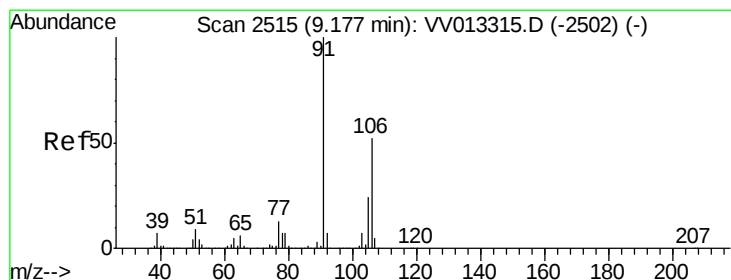
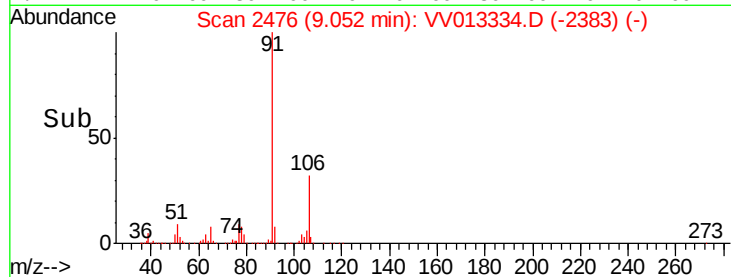
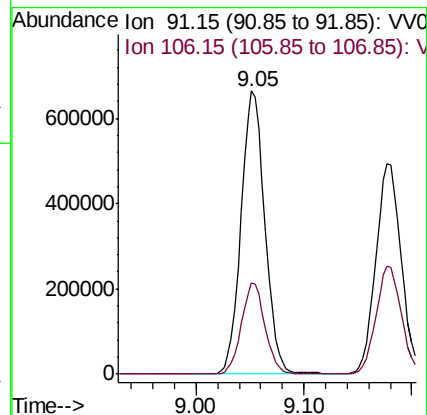
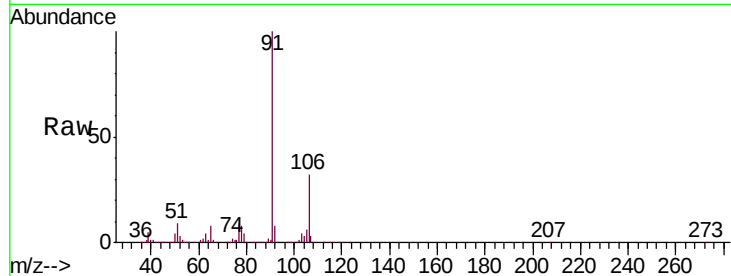
H0G17

Tgt Ion: 91 Resp: 1026975

Ion Ratio Lower Upper

91 100

106 32.3 22.4 41.6



#53

m,p-xylene

Concen: 5.587 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013334.D

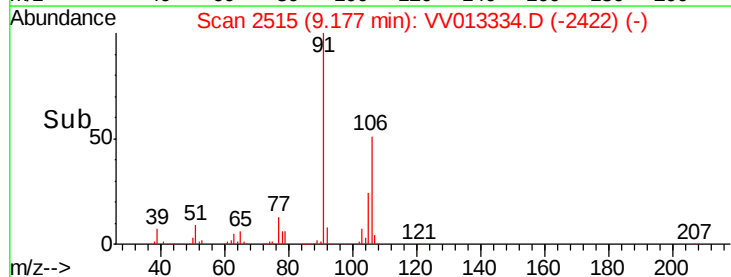
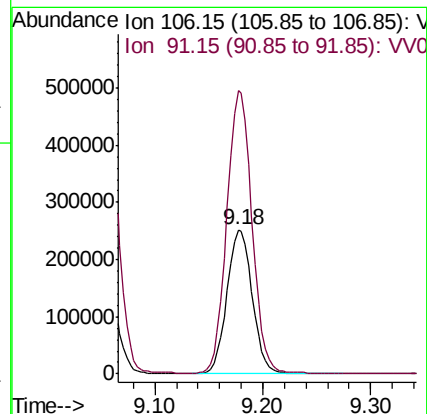
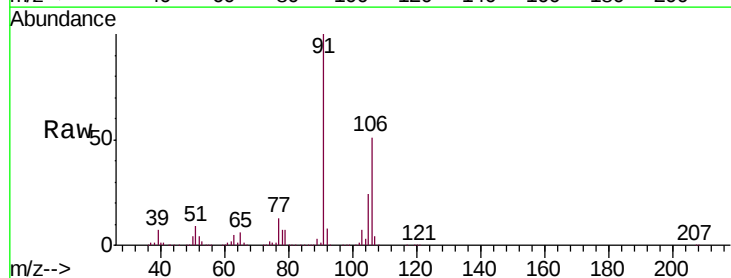
Acq: 25 Oct 2019 02:05

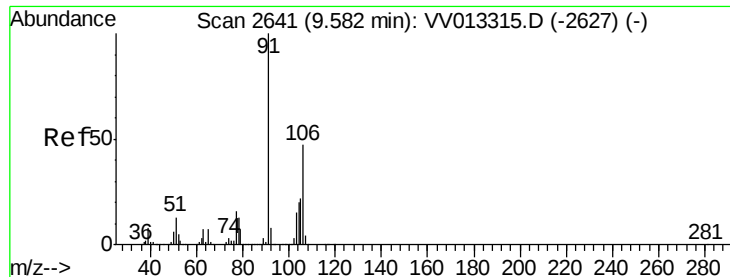
Tgt Ion: 106 Resp: 410763

Ion Ratio Lower Upper

106 100

91 196.3 137.8 255.8





#54

o-xylene

Concen: 5.597 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

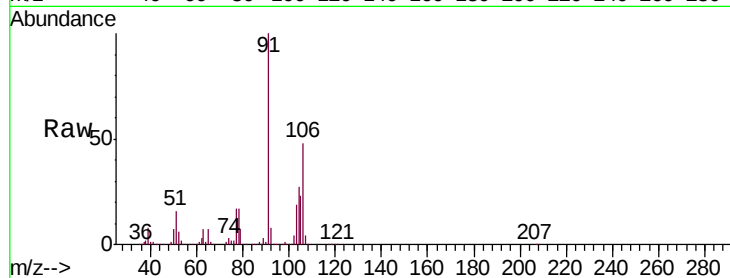
H0G17

Tgt Ion:106 Resp: 390687

Ion Ratio Lower Upper

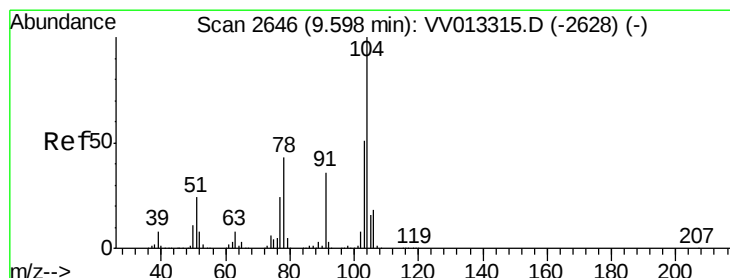
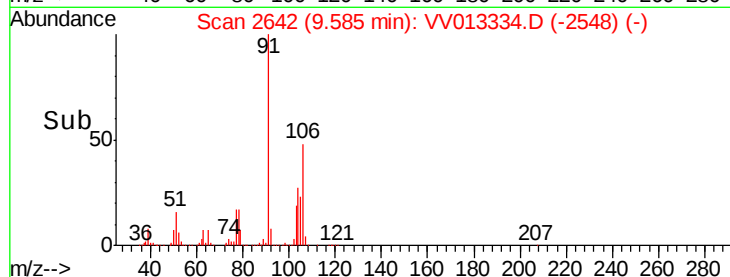
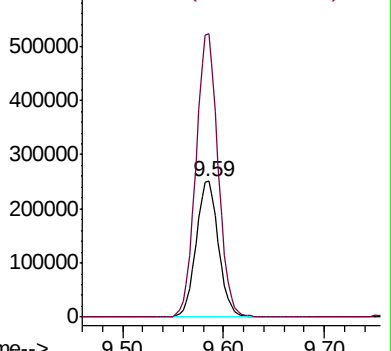
106 100

91 208.2 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.674 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013334.D

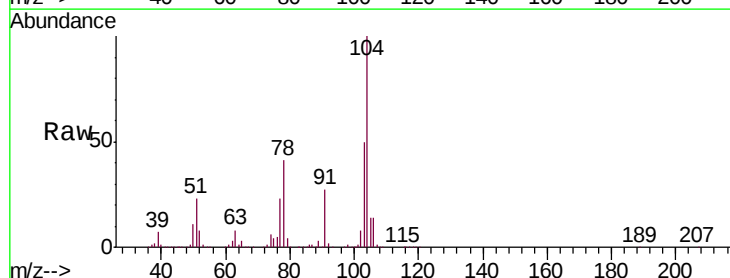
Acq: 25 Oct 2019 02:05

Tgt Ion:104 Resp: 673047

Ion Ratio Lower Upper

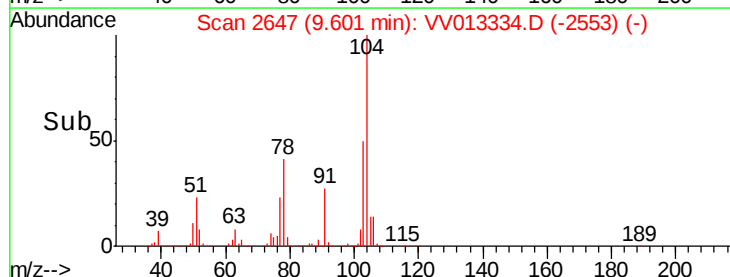
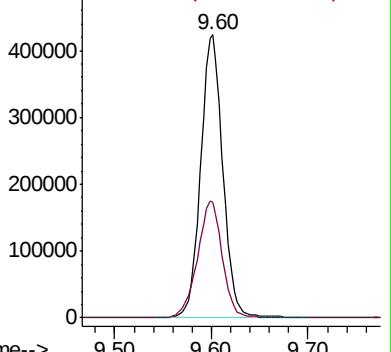
104 100

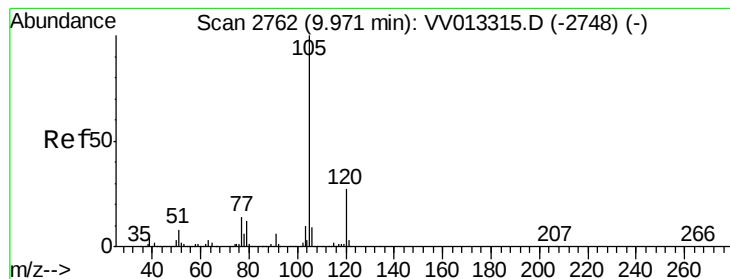
78 40.9 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.606 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

H0G17

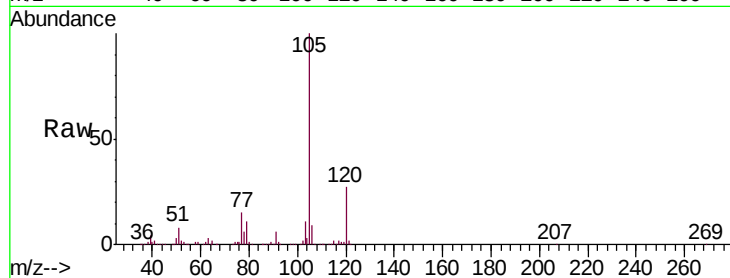
Tgt Ion:105 Resp: 1032050

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.6

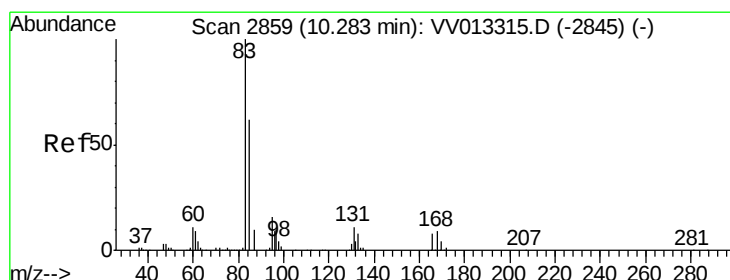
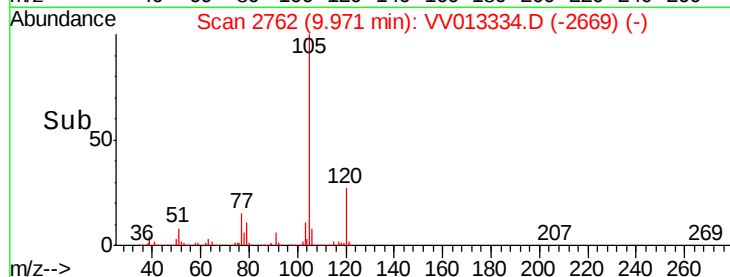
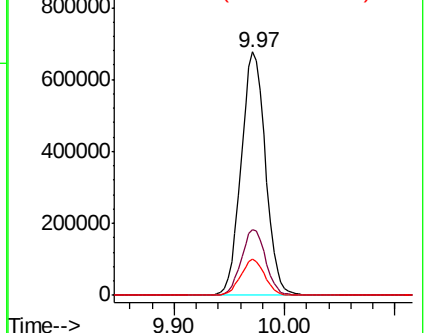
77 14.6 12.0 18.0



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.757 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

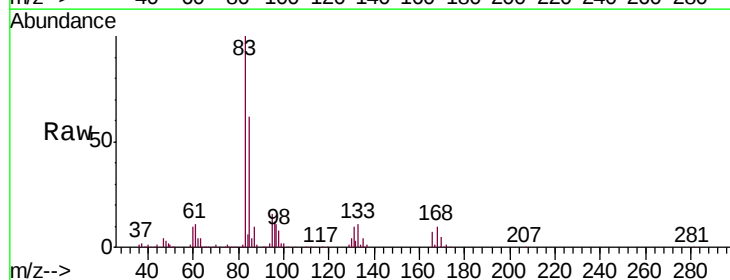
Tgt Ion: 83 Resp: 162673

Ion Ratio Lower Upper

83 100

85 61.8 43.3 80.3

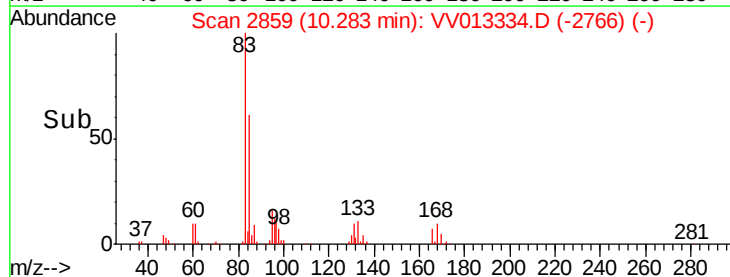
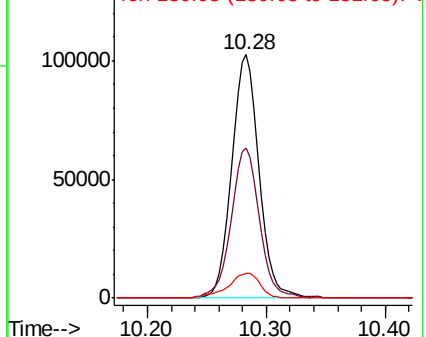
131 10.2 8.3 12.5

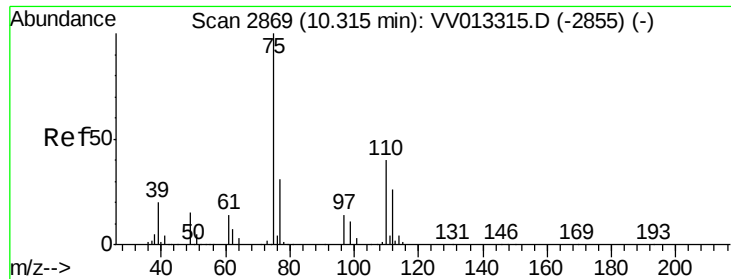


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.866 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

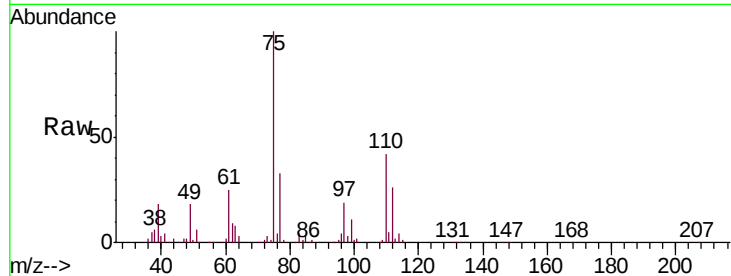
H0G17

Tgt Ion: 75 Resp: 123676

Ion Ratio Lower Upper

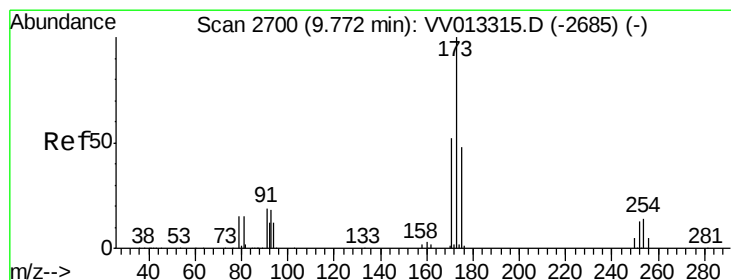
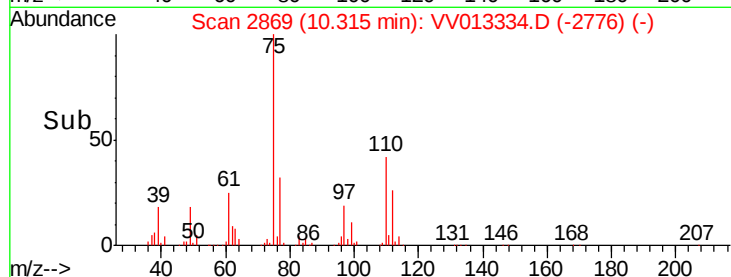
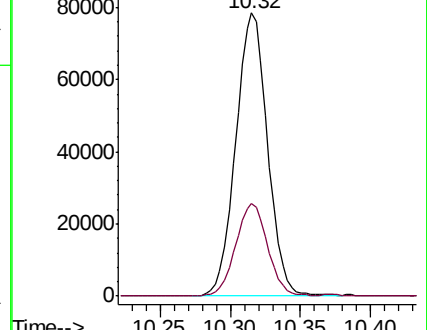
75 100

77 32.4 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VV013315.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013315.D (-2855) (-)



#61

Bromoform

Concen: 4.742 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

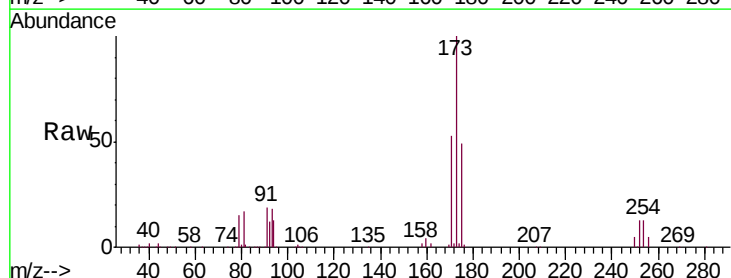
Tgt Ion: 173 Resp: 108013

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

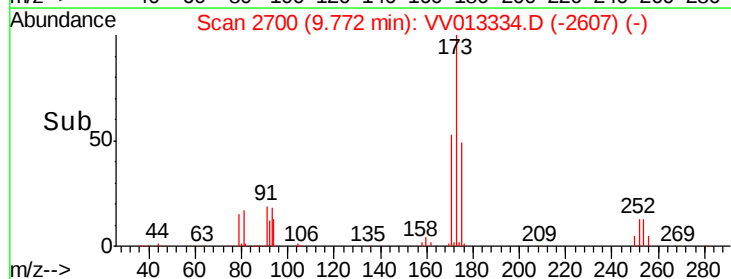
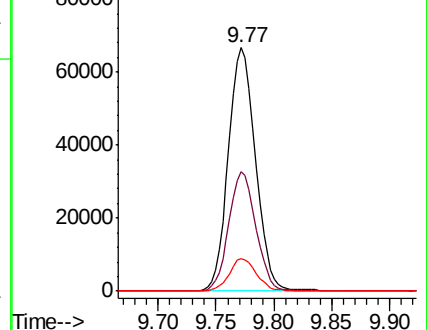
254 13.4 9.8 14.8

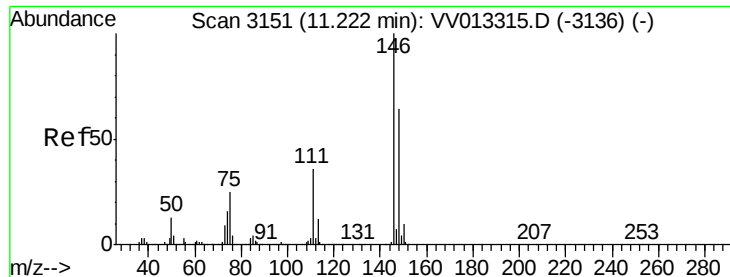


Abundance Ion 172.90 (172.60 to 173.60): VV013315.D (-2685) (-)

Ion 174.90 (174.60 to 175.60): VV013315.D (-2685) (-)

Ion 253.75 (253.45 to 254.45): VV013315.D (-2685) (-)





#62

1,3-Dichlorobenzene

Concen: 5.232 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

H0G17

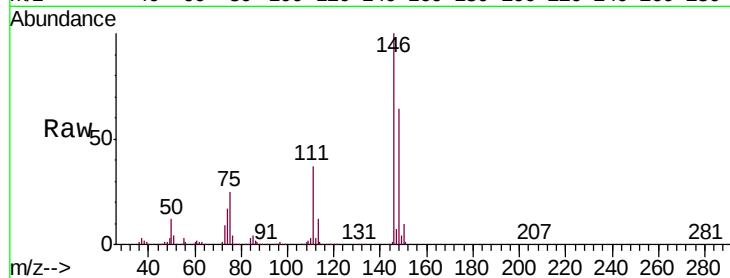
Tgt Ion:146 Resp: 550519

Ion Ratio Lower Upper

146 100

111 36.9 25.8 47.8

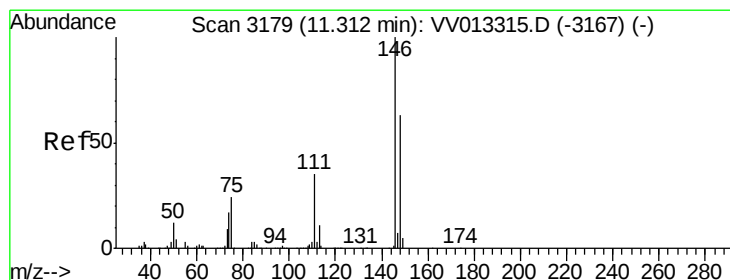
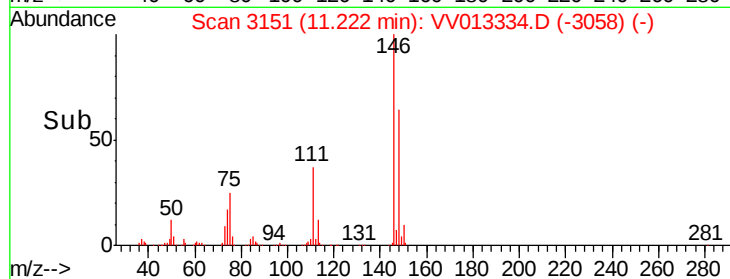
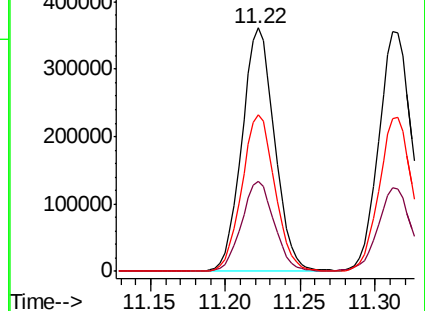
148 64.5 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.207 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

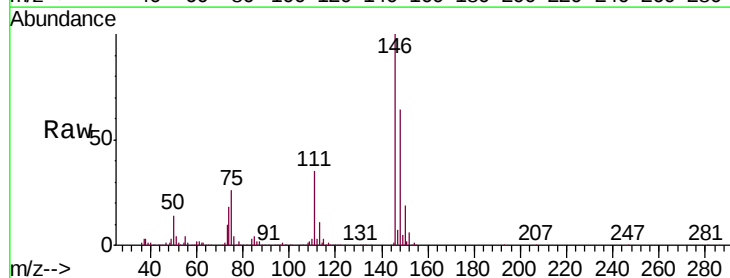
Tgt Ion:146 Resp: 554747

Ion Ratio Lower Upper

146 100

111 34.9 24.6 45.6

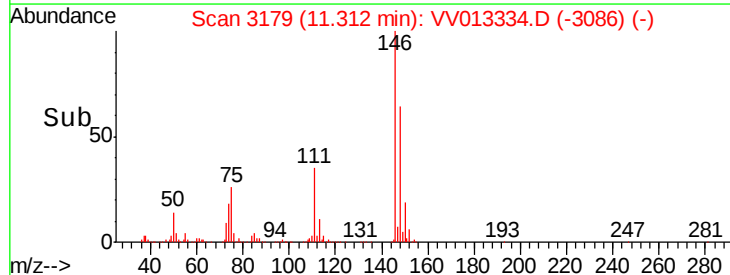
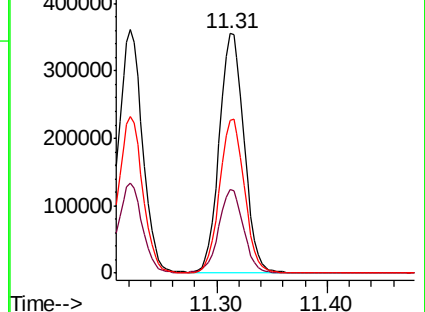
148 63.8 43.3 80.5

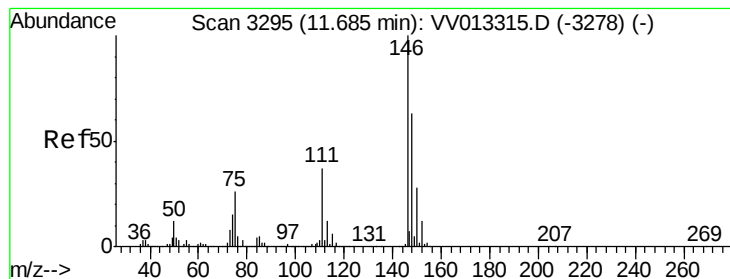


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.277 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

Instrument :

MSVOA_V

ClientSampleId :

H0G17

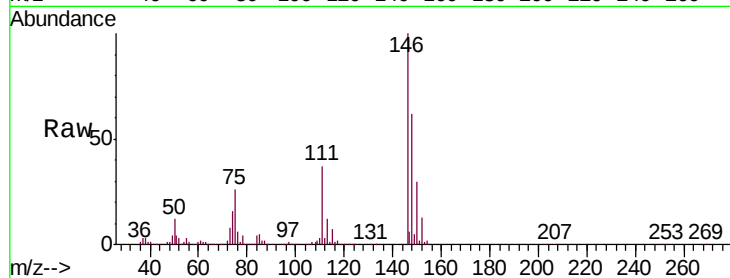
Tgt Ion:146 Resp: 511375

Ion Ratio Lower Upper

146 100

111 37.2 31.8 47.6

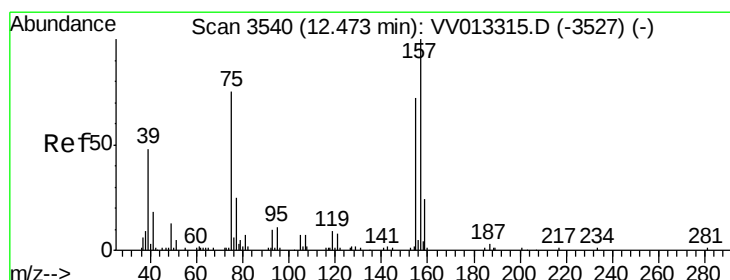
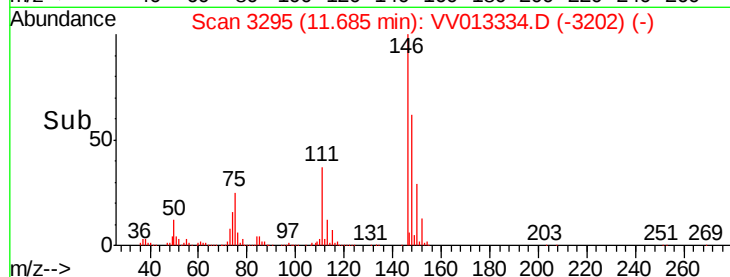
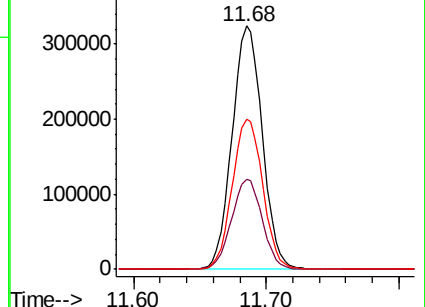
148 61.8 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.195 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV013334.D

Acq: 25 Oct 2019 02:05

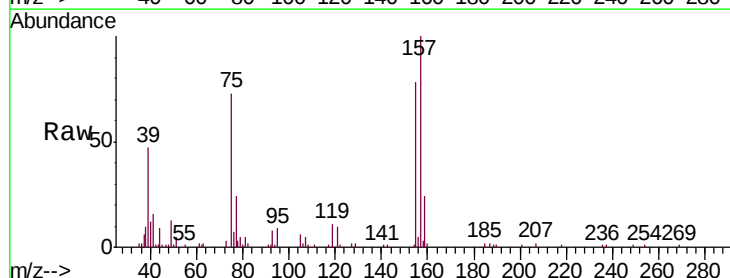
Tgt Ion: 75 Resp: 23086

Ion Ratio Lower Upper

75 100

155 105.6 69.3 103.9#

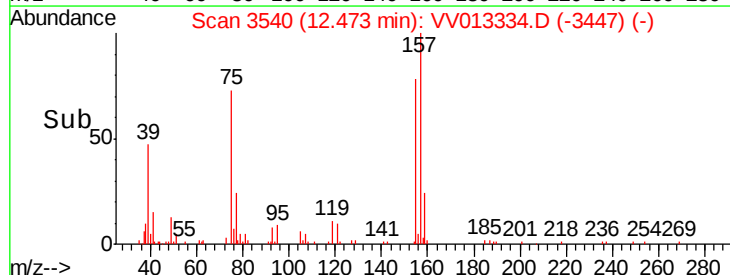
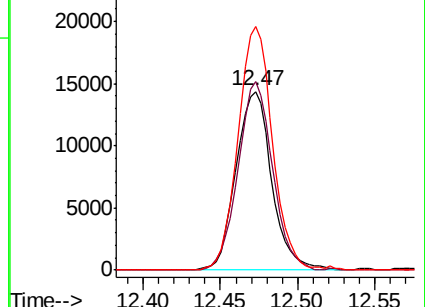
157 136.2 94.3 141.5

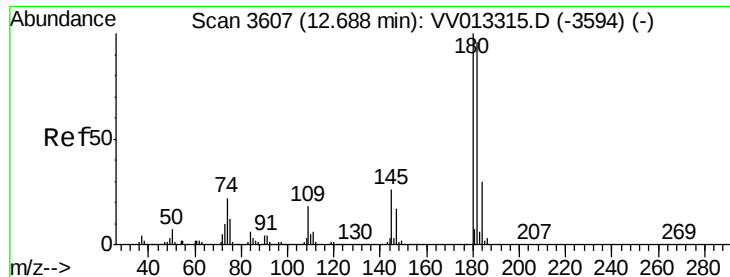


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

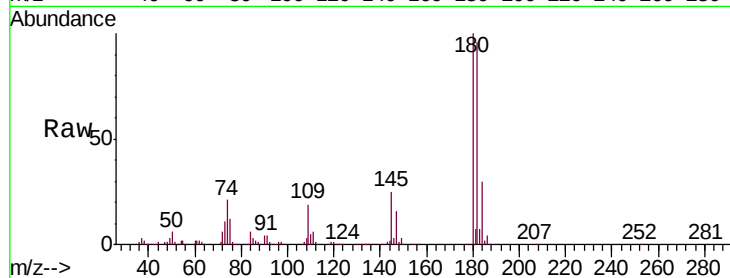




#67
 1,3,5-Trichlorobenzene
 Concen: 5.266 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G17

Tgt Ion:	180	Resp:	409615
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.2
184	30.1	24.0	36.0
145	26.1	21.8	32.8



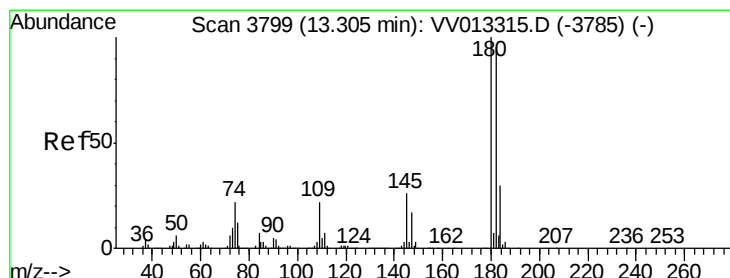
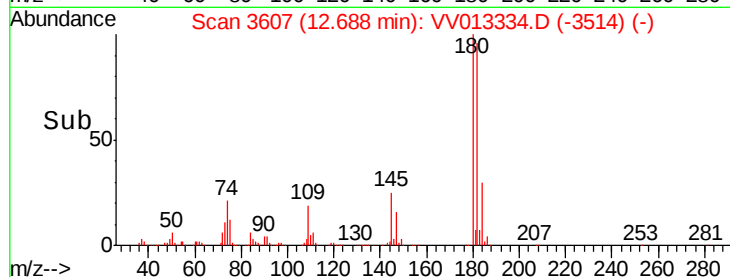
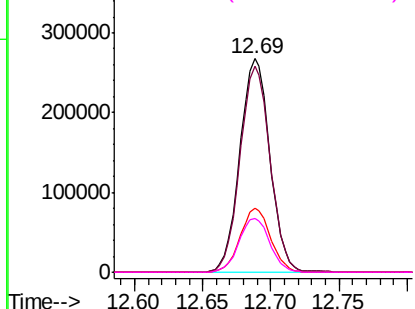
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

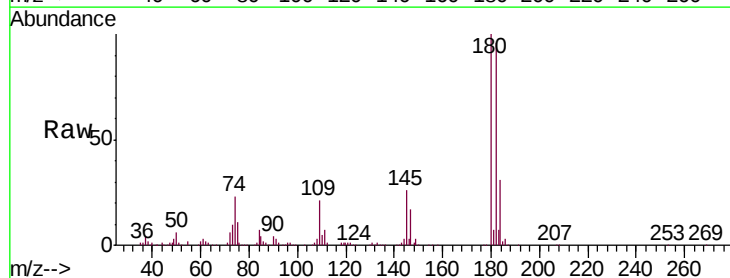
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.249 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013334.D
 Acq: 25 Oct 2019 02:05

Tgt Ion:	180	Resp:	357204
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	27.2	22.1	33.1

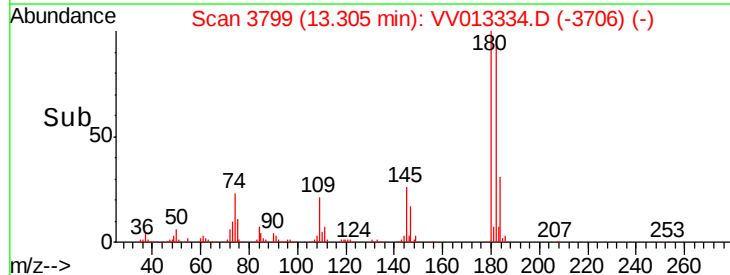
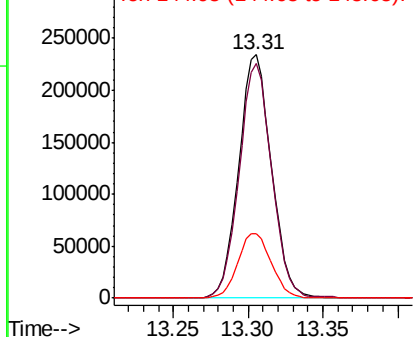


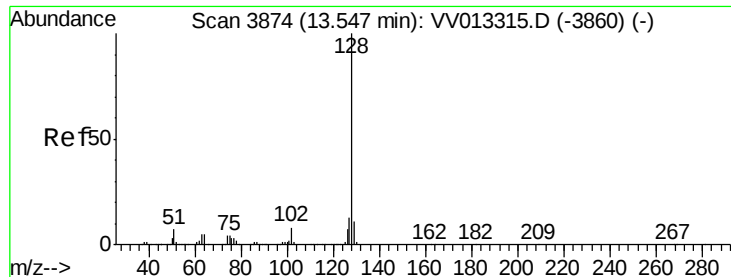
Abundance

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

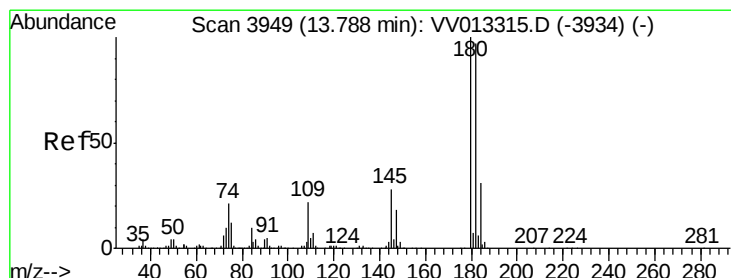
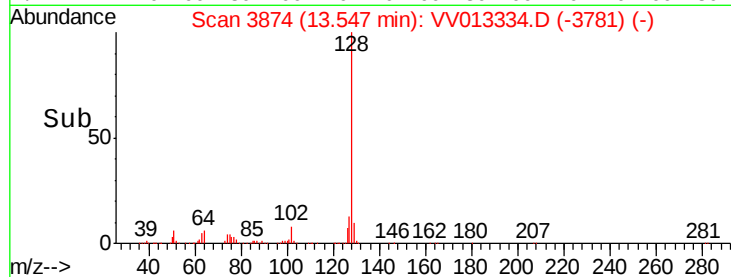
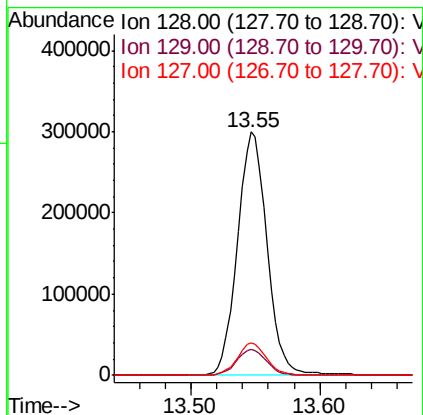
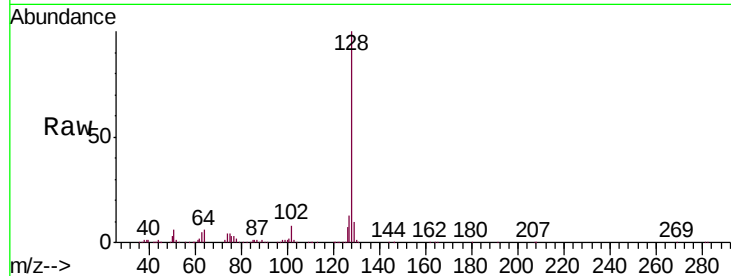




#69
Naphthalene
Concen: 5.094 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. -0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

Instrument :
MSVOA_V
ClientSampleId :
H0G17

Tgt Ion:	128	Resp:	478229
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.0	10.4	15.6



#70
1,2,3-Trichlorobenzene
Concen: 5.320 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV013334.D
Acq: 25 Oct 2019 02:05

Tgt Ion:	180	Resp:	336215
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
145	28.6	23.5	35.3

