

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013117.D
 Acq On : 11 Oct 2019 22:20
 Operator : SY/MD
 Sample : MDL05 2.5PPB
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:30:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	728501	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	686877	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	286278	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236675	51.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.80%
7) Chloroethane-d5	1.58	69	205161	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.70%
11) 1,1-Dichloroethene-d2	2.13	63	340677	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.44%
21) 2-Butanone-d5	3.92	46	371242	107.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.22%
24) Chloroform-d	4.40	84	461652	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
26) 1,2-Dichloroethane-d4	5.08	65	295585	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
32) Benzene-d6	5.10	84	990232	54.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.06%
36) 1,2-Dichloropropane-d6	6.11	67	312991	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.02%
41) Toluene-d8	7.36	98	847778	51.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.38%
43) trans-1,3-Dichloropropene-	7.66	79	128697	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.96%
47) 2-Hexanone-d5	8.13	63	229458	100.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	379530	51.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.44%
64) 1,2-Dichlorobenzene-d4	11.67	152	320381	57.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	11614	2.055	ug/L	98
3) Chloromethane	1.25	50	15746	2.449	ug/L	98
5) Vinyl chloride	1.32	62	14349	2.323	ug/L #	63
6) Bromomethane	1.53	94	9535	3.017	ug/L	100
8) Chloroethane	1.60	64	8461	2.303	ug/L	97
9) Trichlorofluoromethane	1.77	101	17509	2.209	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13788	2.953	ug/L #	83
12) 1,1-Dichloroethene	2.14	96	12083	2.674	ug/L #	1
13) Acetone	2.19	43	11580	3.642	ug/L	94
14) Carbon disulfide	2.32	76	29491	2.251	ug/L	100
15) Methyl Acetate	2.46	43	12224	2.170	ug/L	99
16) Methylene chloride	2.54	84	12960	2.411	ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	10727	2.189	ug/L	92
18) Methyl tert-butyl Ether	2.80	73	31331	2.118	ug/L	99
19) 1,1-Dichloroethane	3.23	63	20681	2.237	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	12505	2.254	ug/L	96
22) 2-Butanone	4.03	43	15142	3.742	ug/L	86

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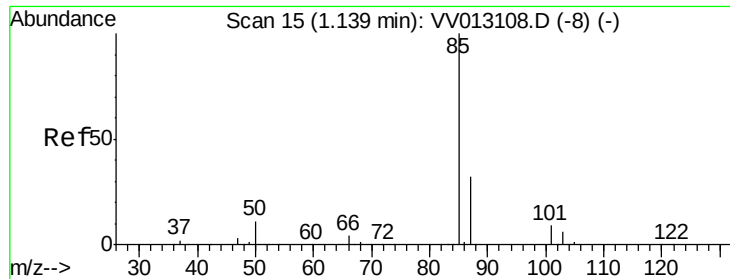
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:30:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	6191	2.197	ug/L #	85
25) Chloroform	4.42	83	26829	2.880	ug/L	98
27) 1,2-Dichloroethane	5.18	62	16544	2.317	ug/L	98
29) Cyclohexane	4.72	56	15967	1.941	ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	16886	2.216	ug/L	99
31) Carbon tetrachloride	4.87	117	14599	2.156	ug/L	98
33) Benzene	5.15	78	44741	2.139	ug/L	100
34) Trichloroethene	5.96	95	12410	2.228	ug/L	96
35) Methylcyclohexane	6.18	83	16404	1.947	ug/L	90
37) 1,2-Dichloropropane	6.22	63	11304	2.087	ug/L #	87
38) Bromodichloromethane	6.56	83	14528	2.108	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	16532	2.063	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	25831	3.642	ug/L	100
42) Toluene	7.43	91	47987	2.228	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	15199	2.188	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	11284	2.194	ug/L	96
46) Tetrachloroethene	8.02	164	9572	2.171	ug/L	95
48) 2-Hexanone	8.18	43	27501	5.015	ug/L	95
49) Dibromochloromethane	8.29	129	11542	2.059	ug/L	95
50) 1,2-Dibromoethane	8.40	107	11675	2.172	ug/L	98
51) Chlorobenzene	8.92	112	31080	2.201	ug/L	96
52) Ethylbenzene	9.05	91	45331	1.970	ug/L	99
53) m,p-Xylene	9.18	106	16715	1.931	ug/L	96
54) o-xylene	9.59	106	15939	1.838	ug/L	100
55) Styrene	9.60	104	23490	1.650	ug/L	95
56) Isopropylbenzene	9.97	105	39934	1.793	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	17621	2.357	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	14430	2.188	ug/L	99
61) Bromoform	9.77	173	7914	2.197	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	20359	2.199	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	21884	2.354	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	23113	2.452	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	2852	2.081	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	14181	2.148	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	11758	2.076	ug/L	96
69) Naphthalene	13.55	128	23206	1.487	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	11762	1.942	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.055 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

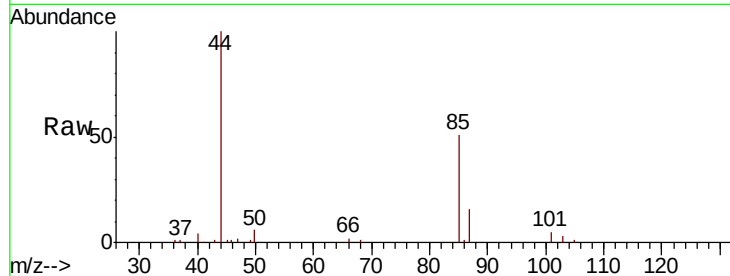
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 11614

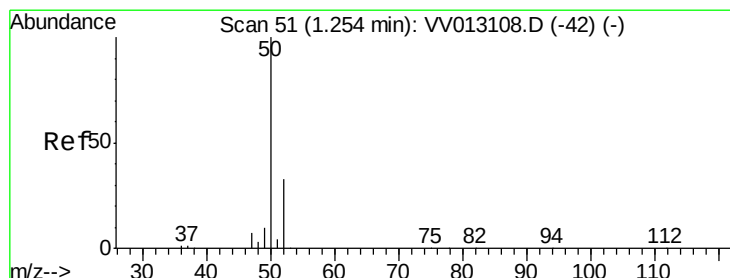
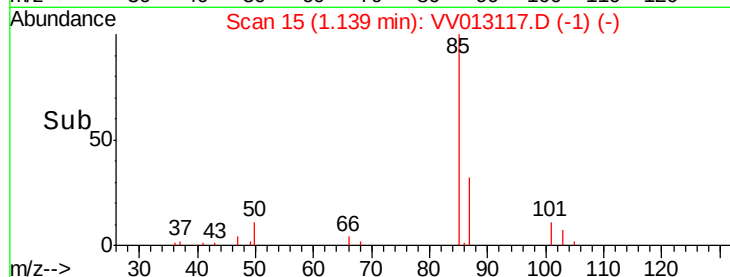
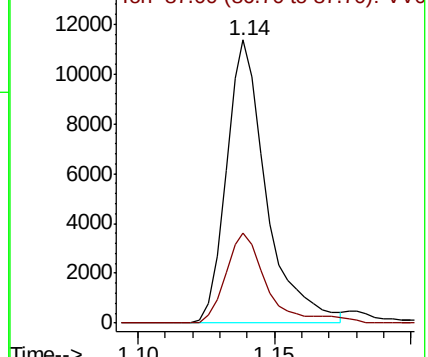
Ion Ratio Lower Upper

85 100

87 30.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013117.D (-1) (-)



#3

Chloromethane

Concen: 2.449 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013117.D

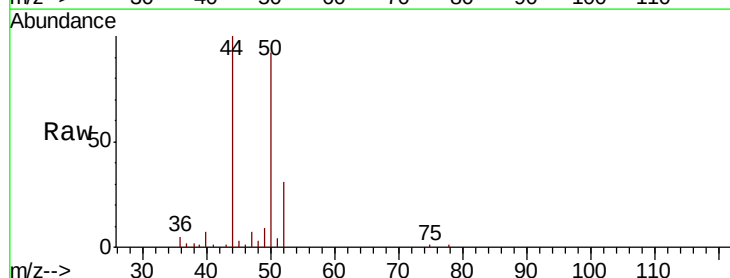
Acq: 11 Oct 2019 22:20

Tgt Ion: 50 Resp: 15746

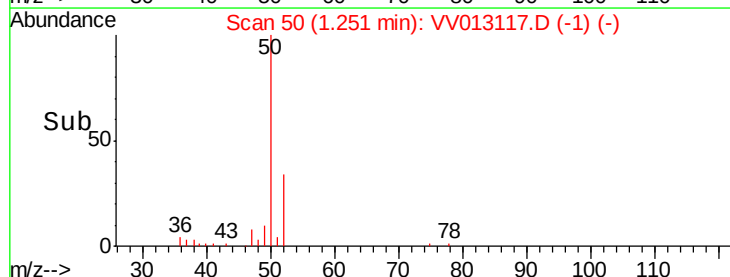
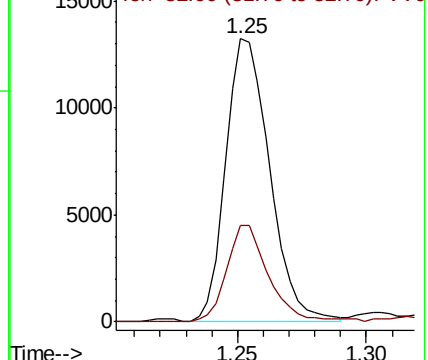
Ion Ratio Lower Upper

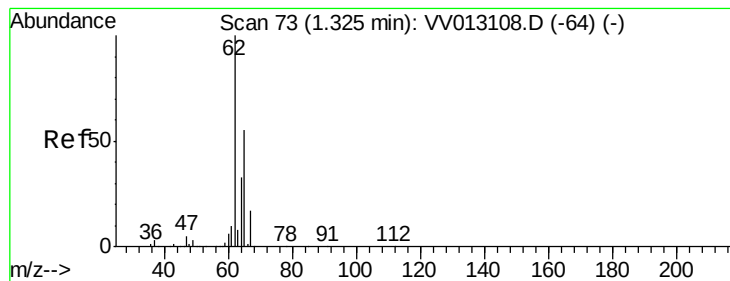
50 100

52 34.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013117.D (-1) (-)





#5

Vinyl chloride

Concen: 2.323 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

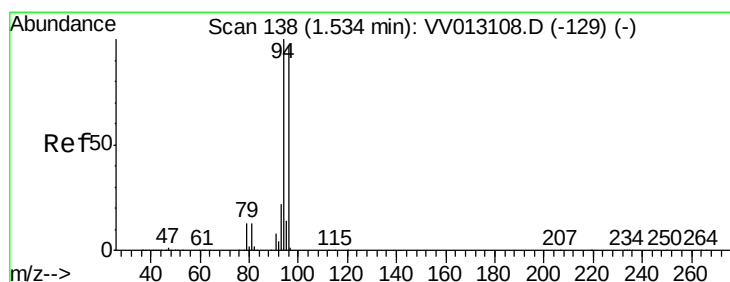
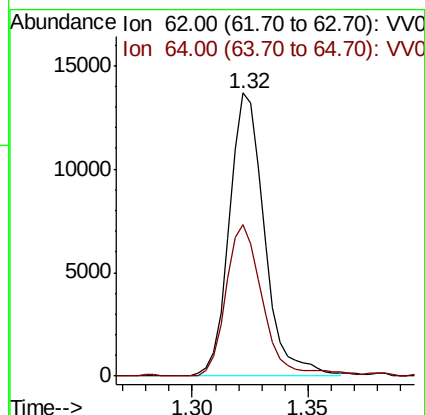
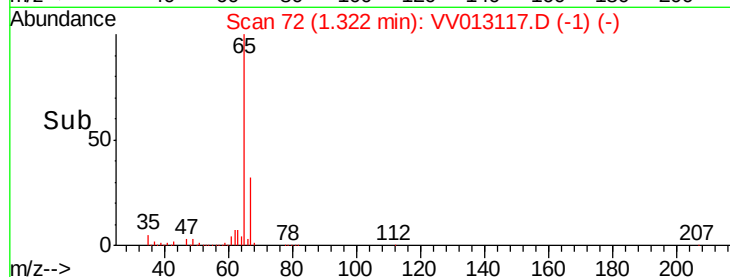
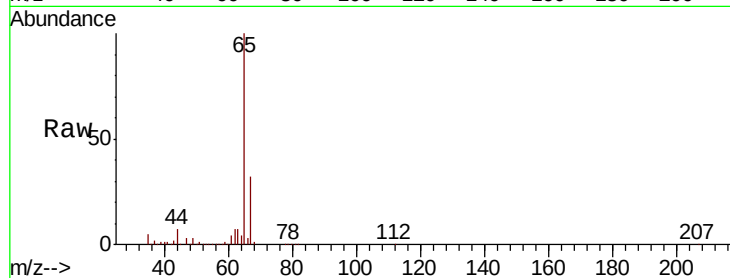
ClientSampled :

Tot Ion: 62 Resp: 14349

Ion Ratio Lower Upper

62 100

64 53.5 22.9 42.5#



#6

Bromomethane

Concen: 3.017 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV013117.D

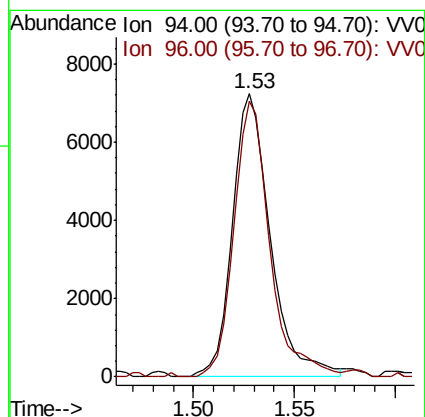
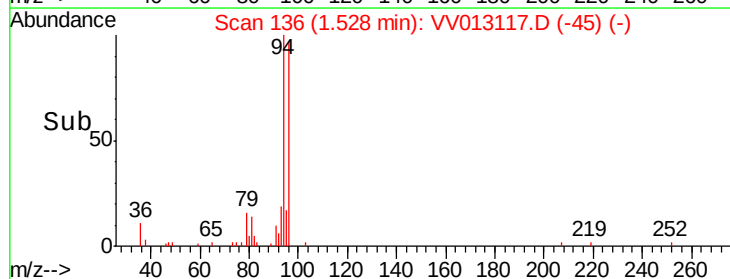
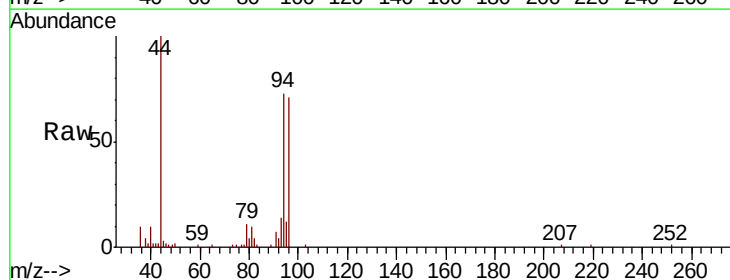
Acq: 11 Oct 2019 22:20

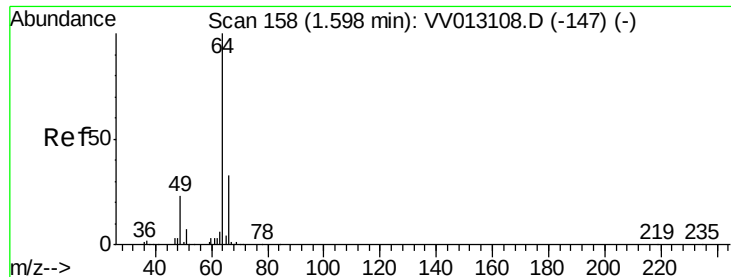
Tgt Ion: 94 Resp: 9535

Ion Ratio Lower Upper

94 100

96 97.3 68.0 126.2





#8

Chloroethane

Concen: 2.303 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

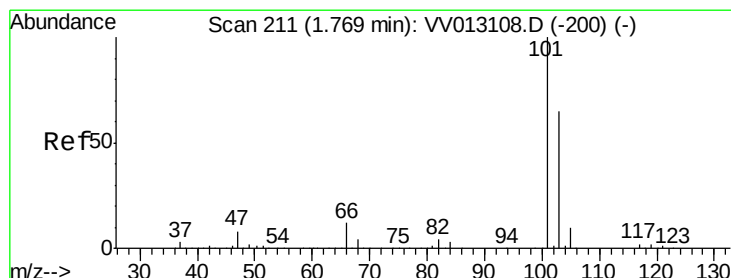
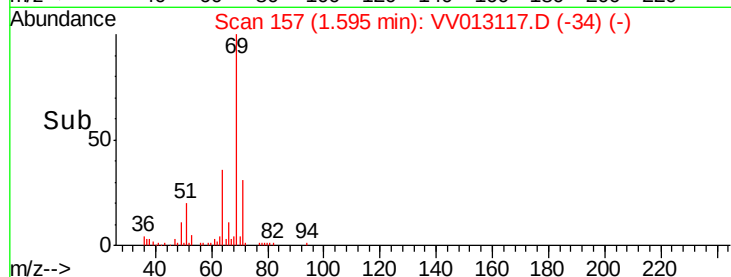
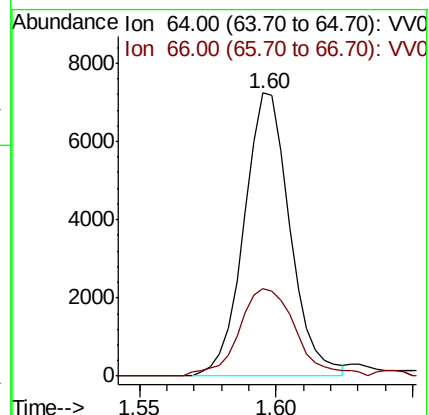
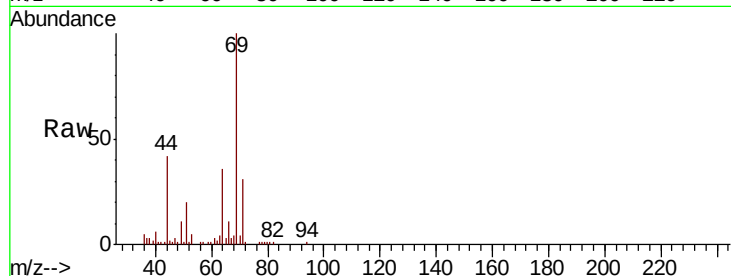
ClientSampleId :

Tot Ion: 64 Resp: 8461

Ion Ratio Lower Upper

64 100

66 30.9 23.0 42.8



#9

Trichlorofluoromethane

Concen: 2.209 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013117.D

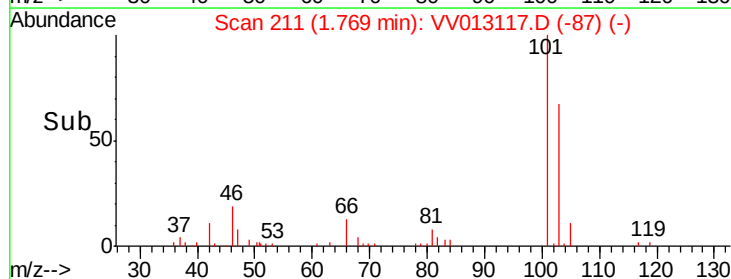
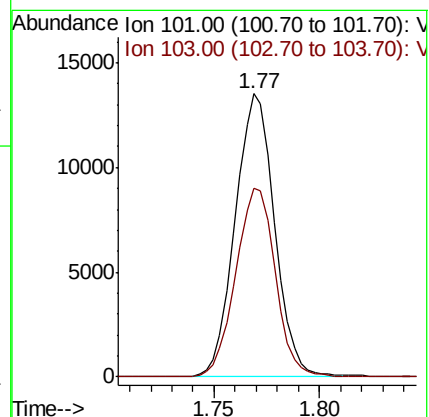
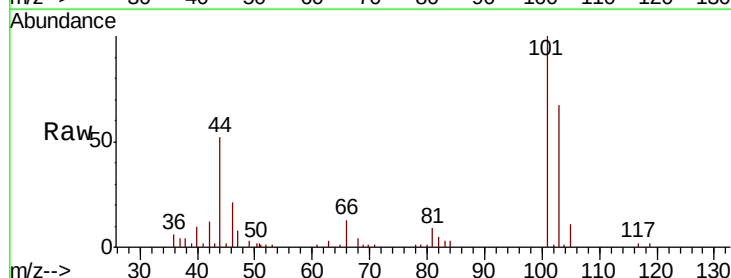
Acq: 11 Oct 2019 22:20

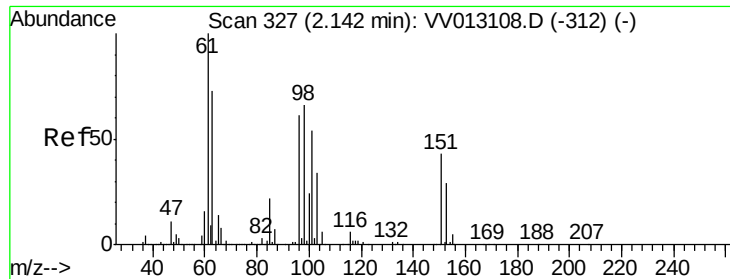
Tgt Ion: 101 Resp: 17509

Ion Ratio Lower Upper

101 100

103 67.0 51.3 76.9





#10

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

Concen: 2.953 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

ClientSampled :

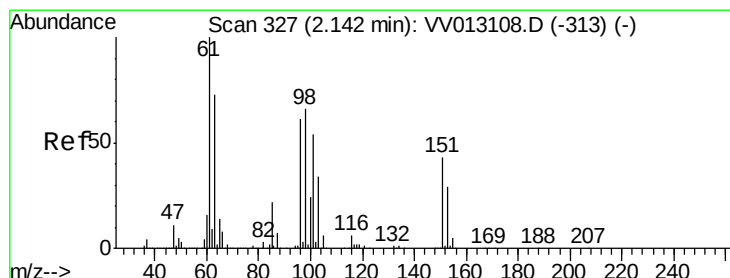
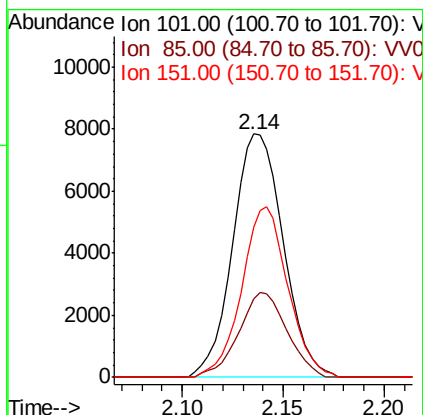
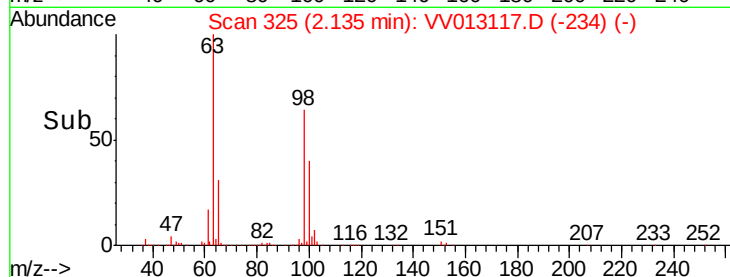
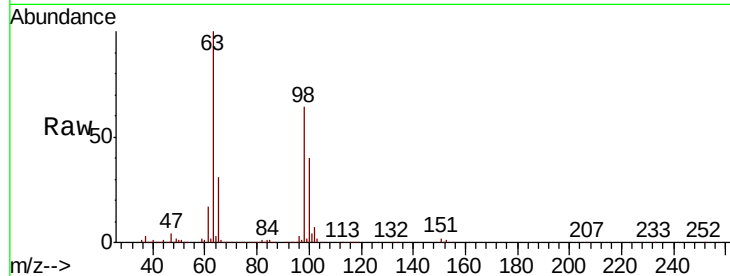
Tot Ion:101 Resp: 13788

Ion Ratio Lower Upper

101 100

85 33.3 32.9 49.3

151 64.0 64.9 97.3#



#12

1,1-Dichloroethene

Concen: 2.674 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

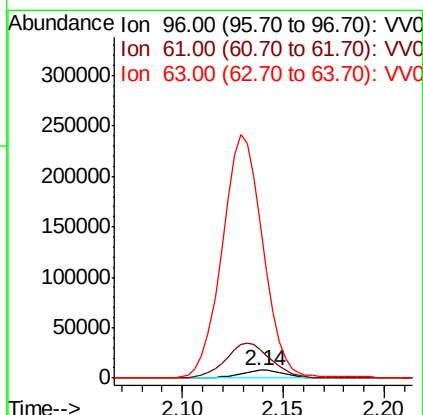
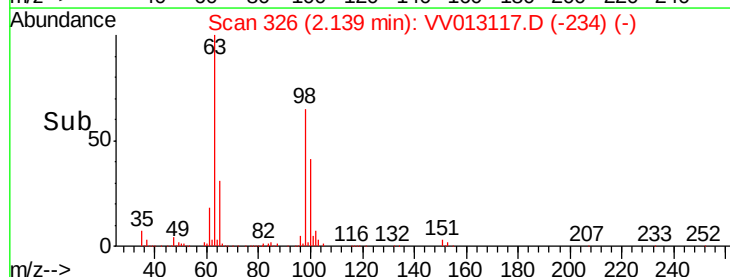
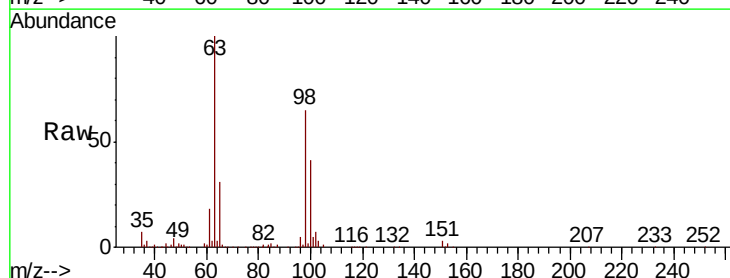
Tgt Ion: 96 Resp: 12083

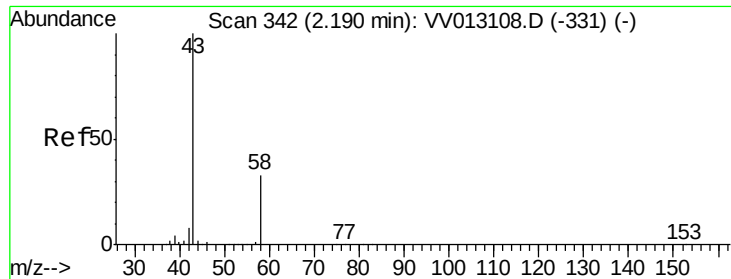
Ion Ratio Lower Upper

96 100

61 378.1 115.7 214.9#

63 2046.7 84.3 156.5#

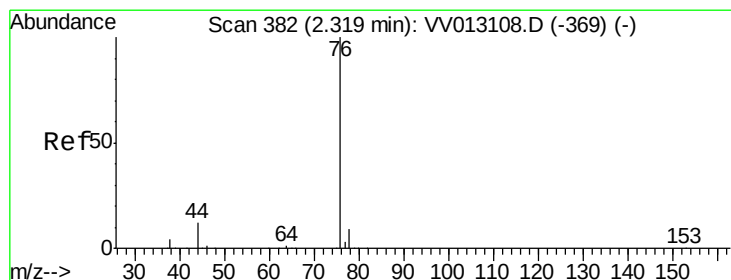
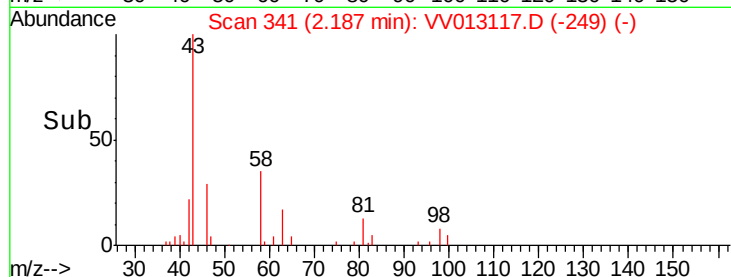
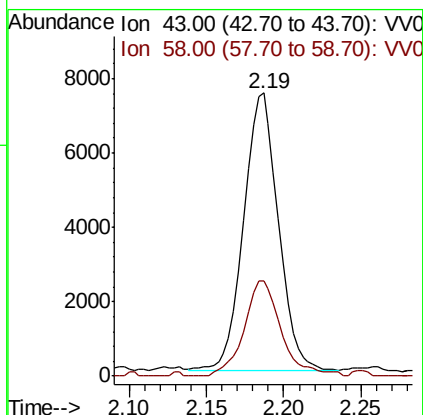
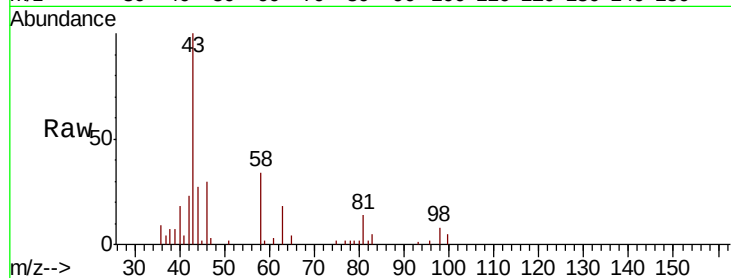




#13
Acetone
Concen: 3.642 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

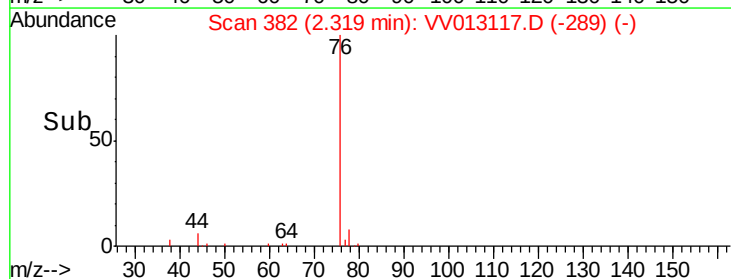
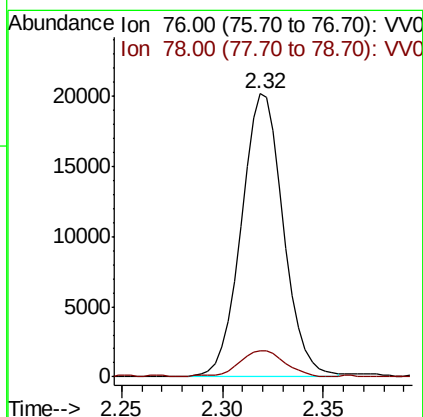
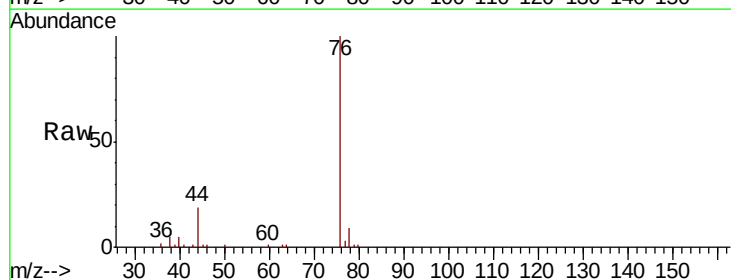
Instrument :
MSVOA_V
ClientSampleId :

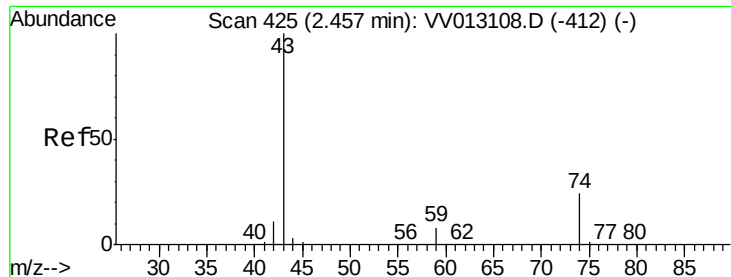
Tot Ion: 43 Resp: 11580
Ion Ratio Lower Upper
43 100
58 36.5 0.0 66.2



#14
Carbon disulfide
Concen: 2.251 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

Tgt Ion: 76 Resp: 29491
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

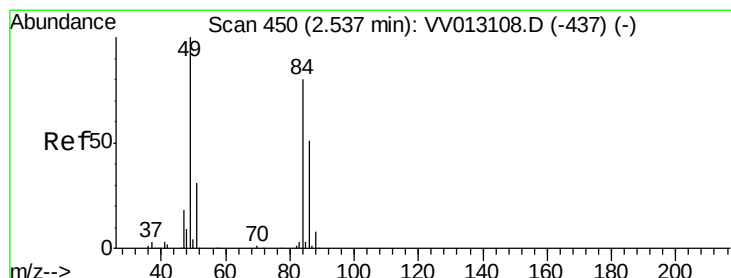
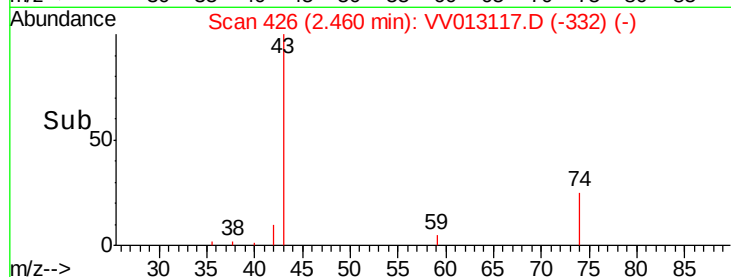
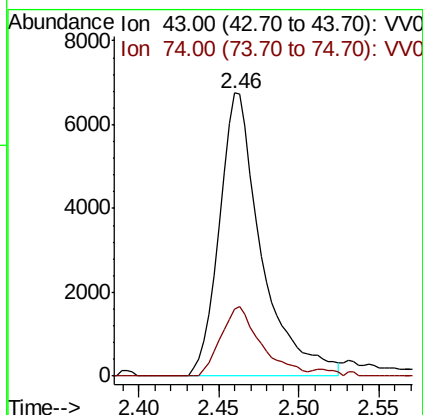
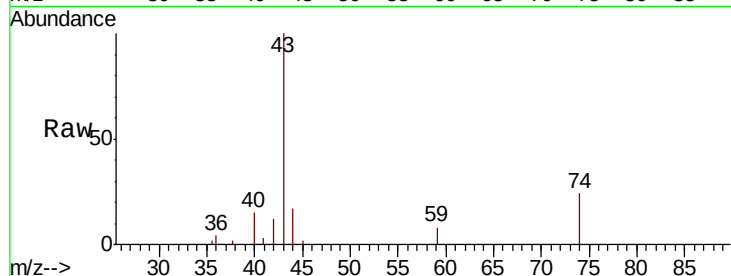




#15
Methvl Acetate
Concen: 2.170 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

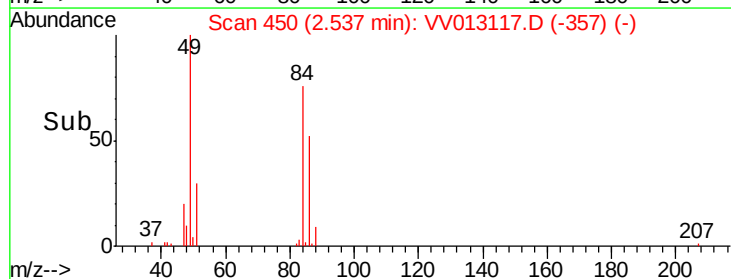
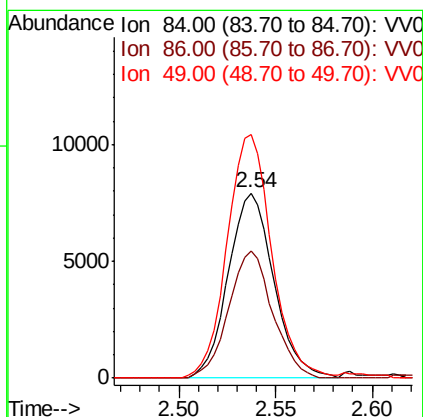
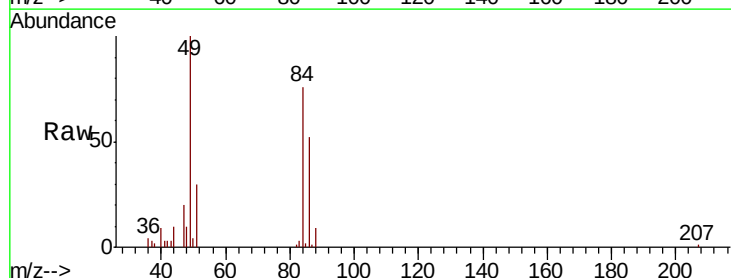
Instrument :
MSVOA_V
ClientSampleId :

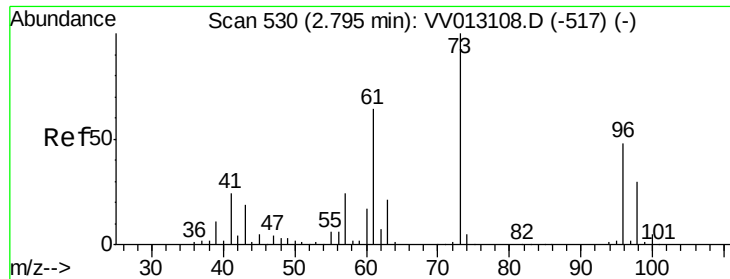
Tot Ion: 43 Resp: 12224
Ion Ratio Lower Upper
43 100
74 23.3 18.4 27.6



#16
Methylene chloride
Concen: 2.411 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

Tgt Ion: 84 Resp: 12960
Ion Ratio Lower Upper
84 100
86 68.4 45.1 83.9
49 131.4 87.8 163.0

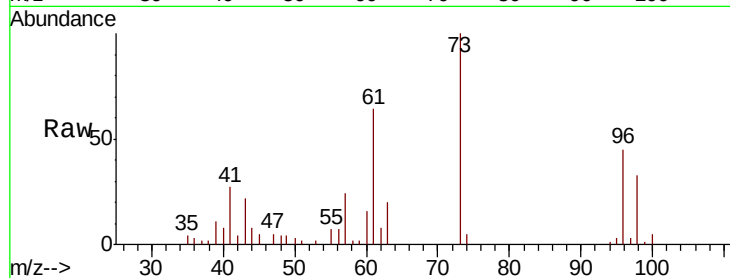




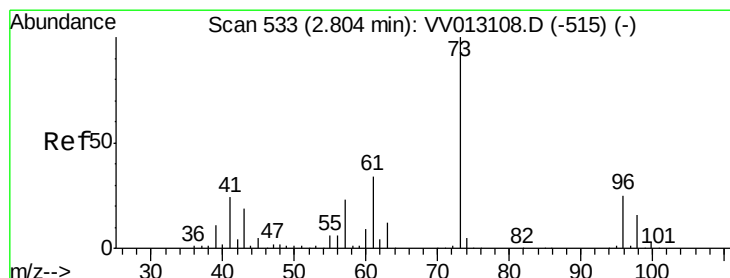
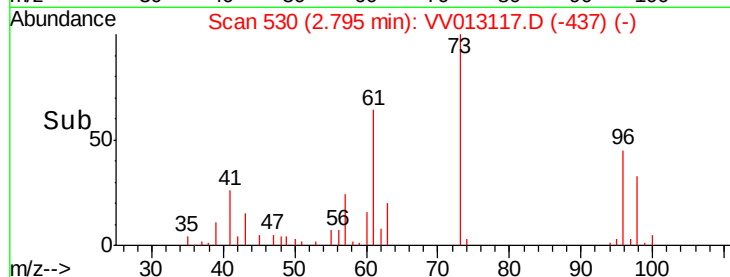
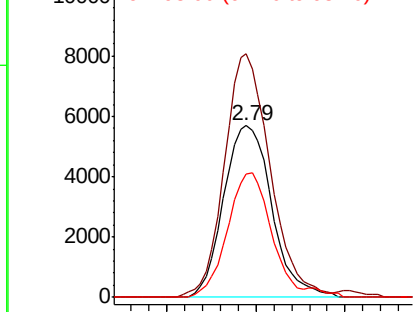
#17
trans-1,2-Dichloroethene
Concen: 2.189 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 10727
Ion Ratio Lower Upper
96 100
61 141.9 93.9 174.5
98 72.0 43.9 81.5

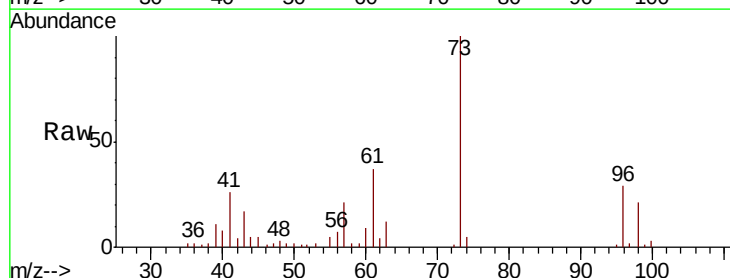


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

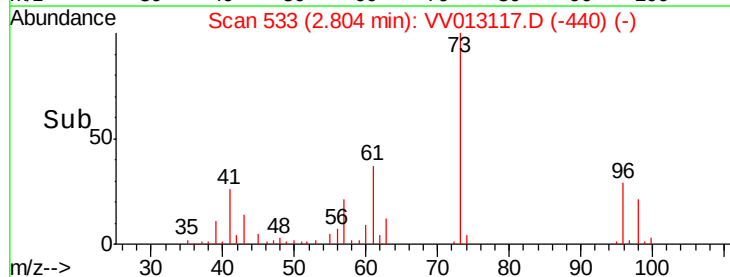
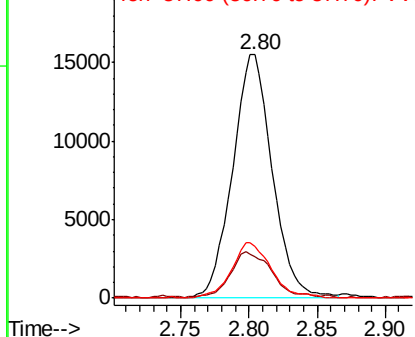


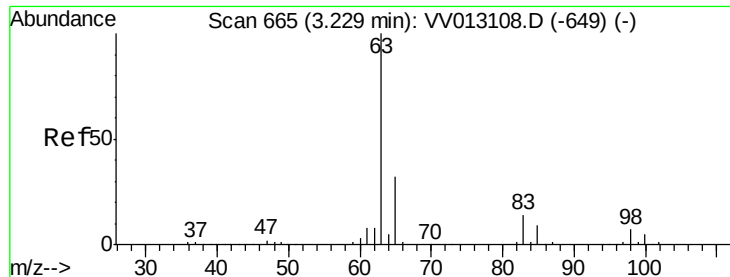
#18
Methyl tert-butyl Ether
Concen: 2.118 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

Tgt Ion: 73 Resp: 31331
Ion Ratio Lower Upper
73 100
43 19.8 15.0 22.6
57 22.8 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

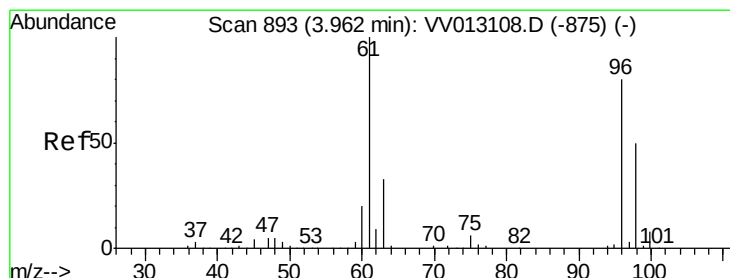
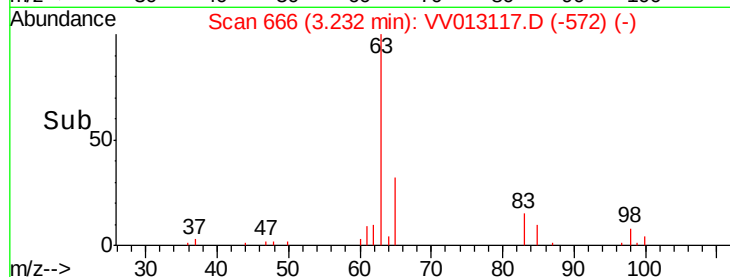
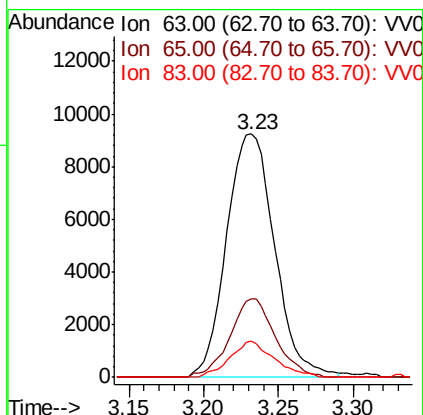
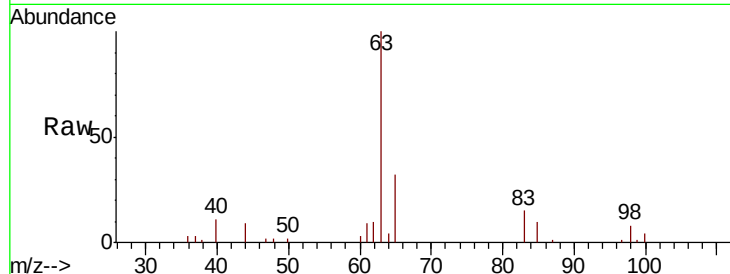




#19
 1,1-Dichloroethane
 Concen: 2.237 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

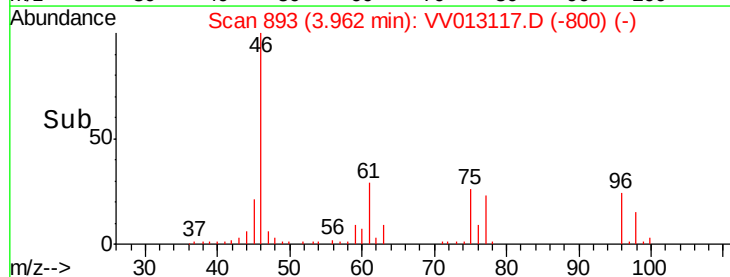
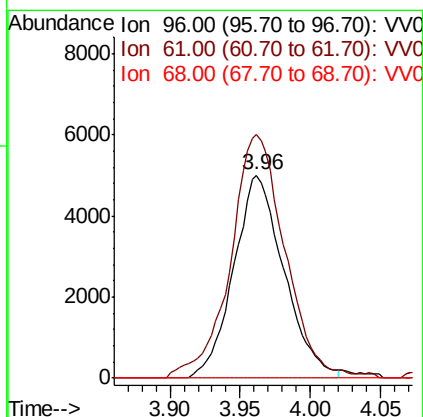
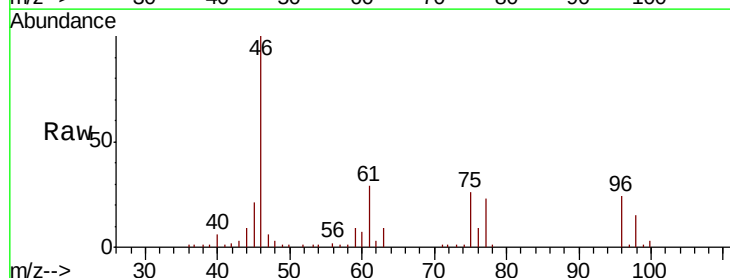
Instrument :
 MSVOA_V
 ClientSampleId :

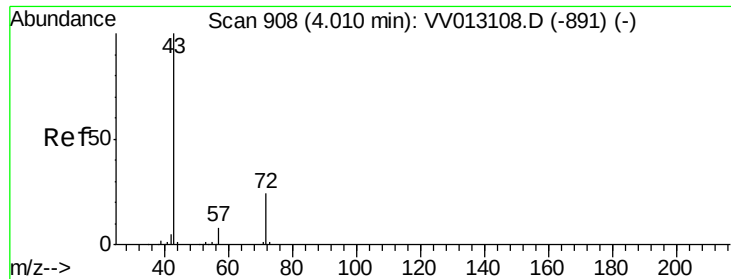
Tot Ion: 63 Resp: 20681
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.1 41.1
 83 15.0 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.254 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion: 96 Resp: 12505
 Ion Ratio Lower Upper
 96 100
 61 120.0 87.5 162.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.742 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

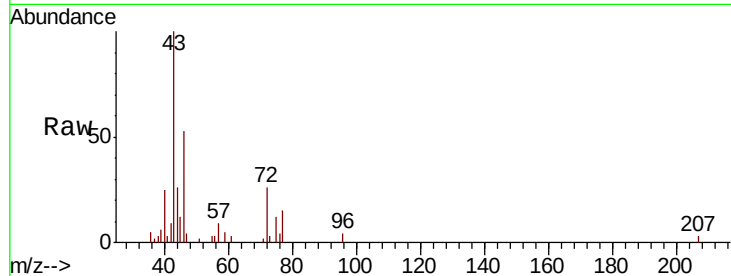
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 15142

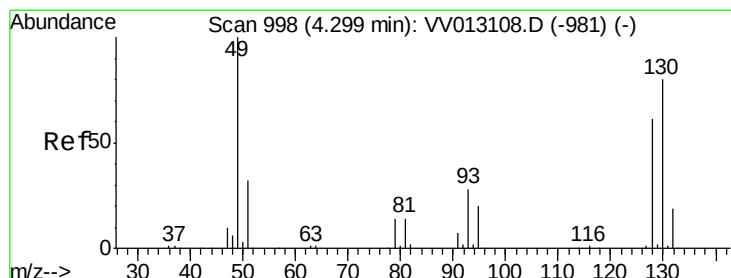
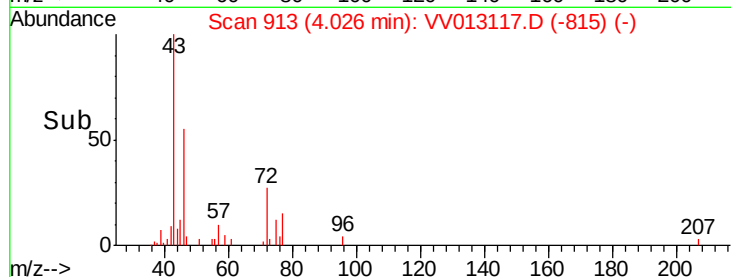
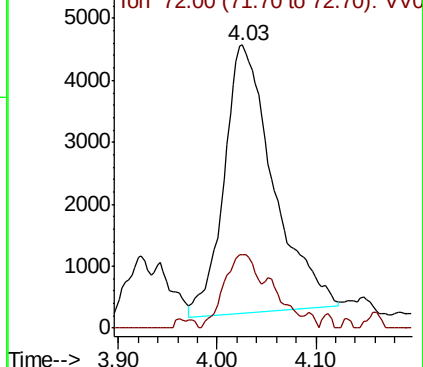
Ion Ratio Lower Upper

43 100

72 18.5 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-891) (-)



#23

Bromochloromethane

Concen: 2.197 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Tgt Ion: 128 Resp: 6191

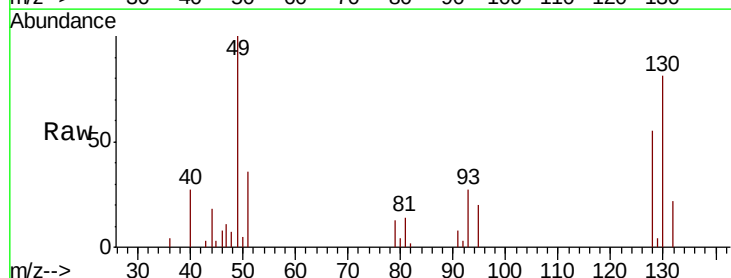
Ion Ratio Lower Upper

128 100

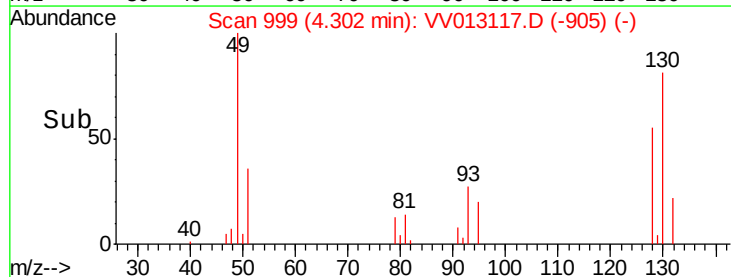
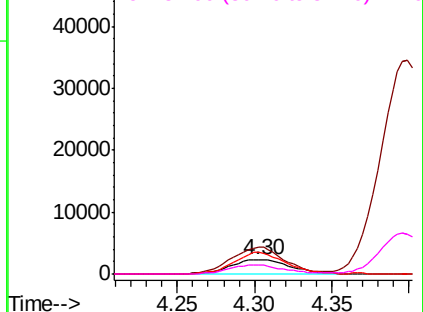
49 181.5 114.0 211.6

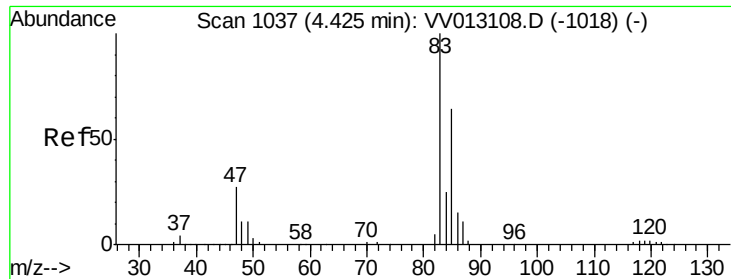
130 147.5 90.8 168.6

51 65.0 41.0 61.4#



Abundance Ion 128.00 (127.70 to 128.70): VV013108.D (-981) (-)





#25

Chloroform

Concen: 2.880 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

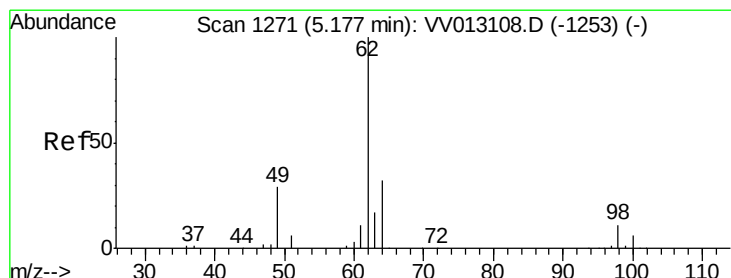
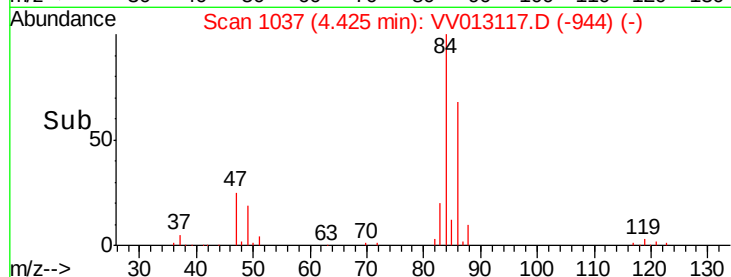
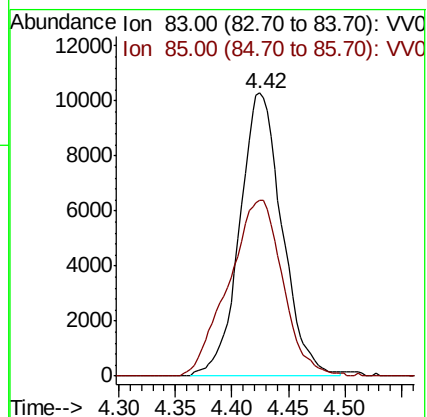
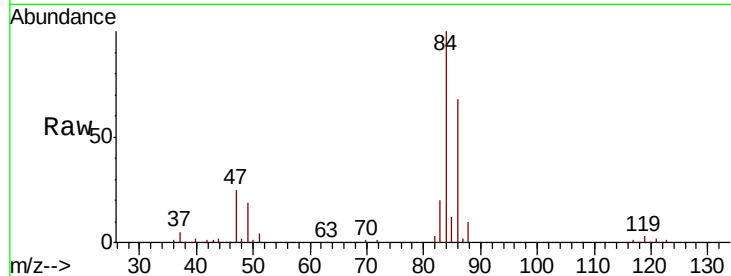
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 26829

Ion Ratio Lower Upper

83 100

85 62.2 44.7 82.9



#27

1,2-Dichloroethane

Concen: 2.317 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013117.D

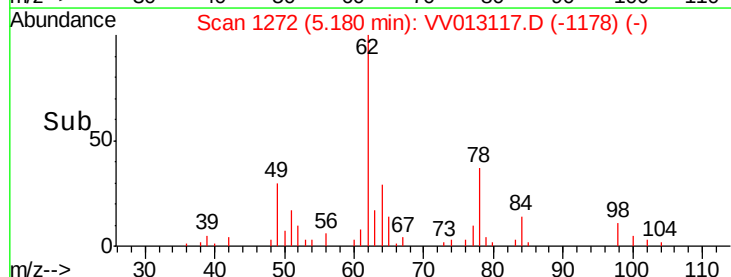
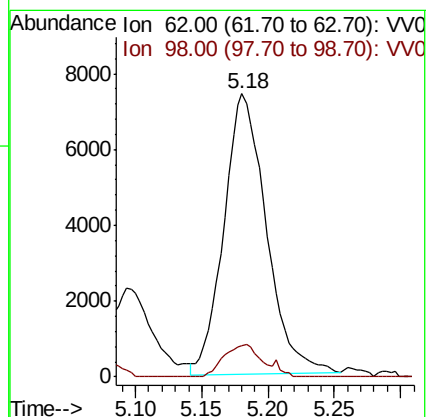
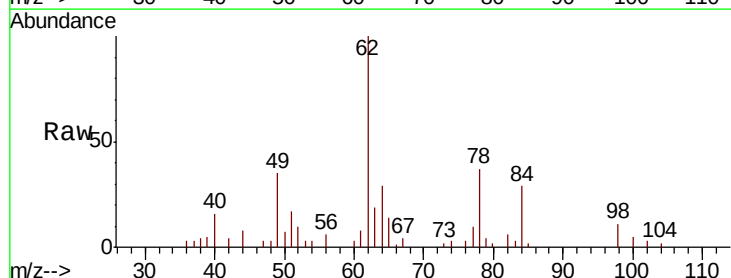
Acq: 11 Oct 2019 22:20

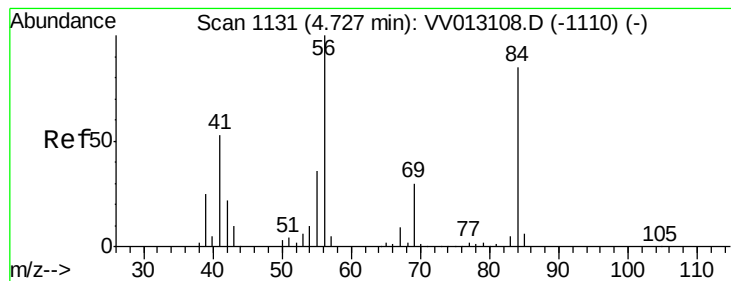
Tgt Ion: 62 Resp: 16544

Ion Ratio Lower Upper

62 100

98 11.2 8.3 12.5





#29

Cyclohexane

Concen: 1.941 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

ClientSampleId :

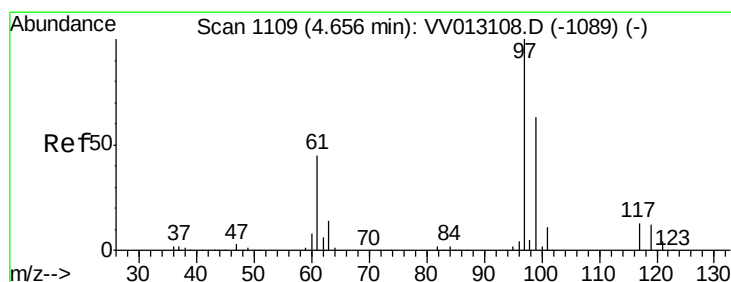
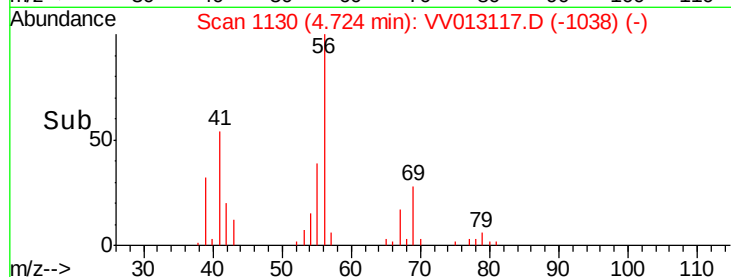
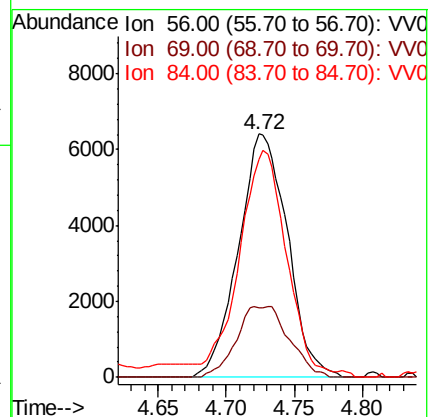
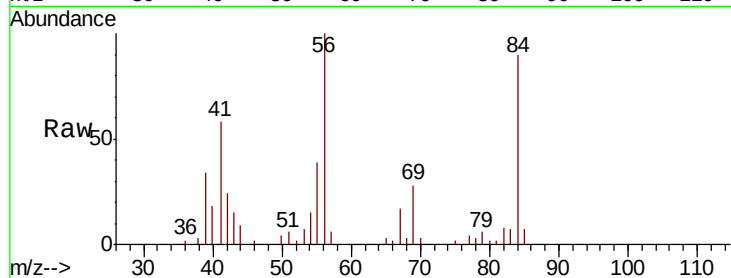
Tot Ion: 56 Resp: 15967

Ion Ratio Lower Upper

56 100

69 14.4 24.2 36.4#

84 86.8 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 2.216 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

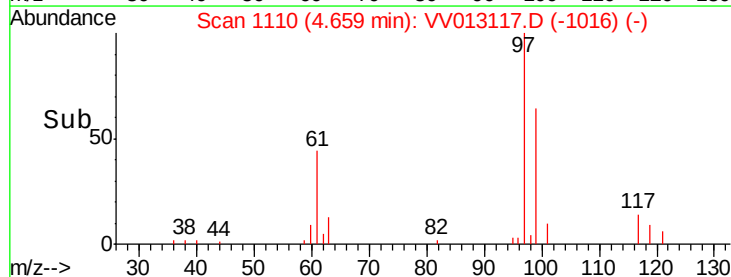
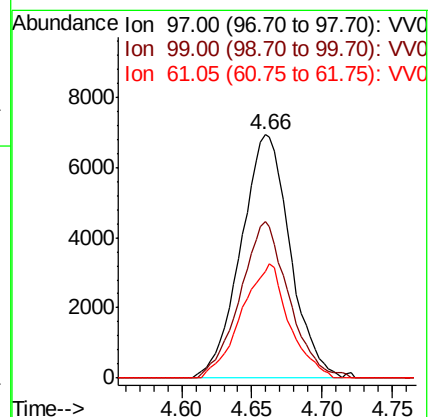
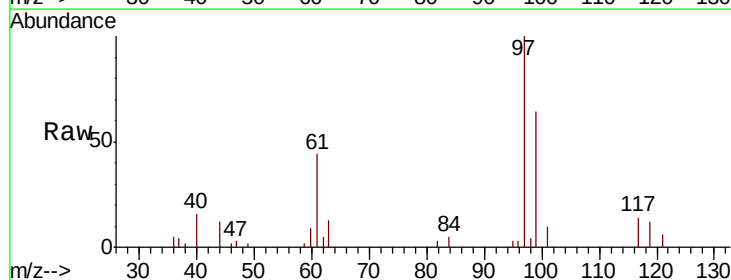
Tgt Ion: 97 Resp: 16886

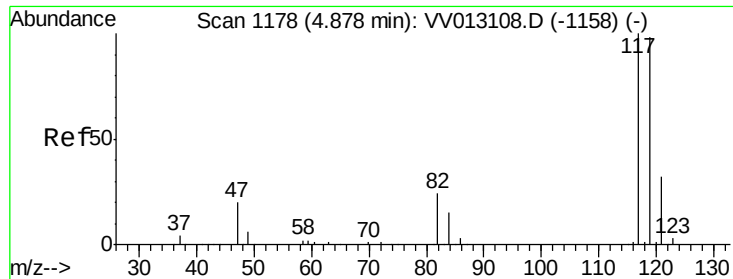
Ion Ratio Lower Upper

97 100

99 63.5 51.9 77.9

61 45.5 36.8 55.2

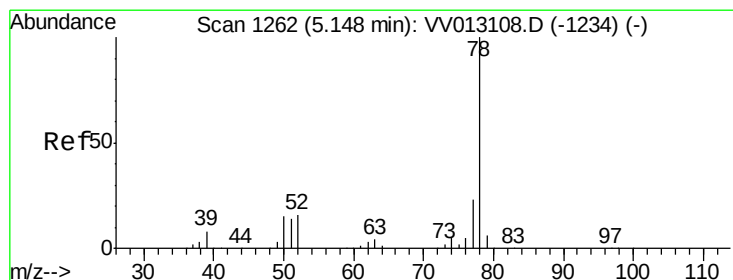
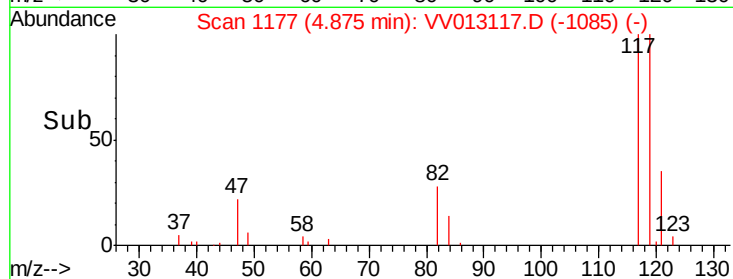
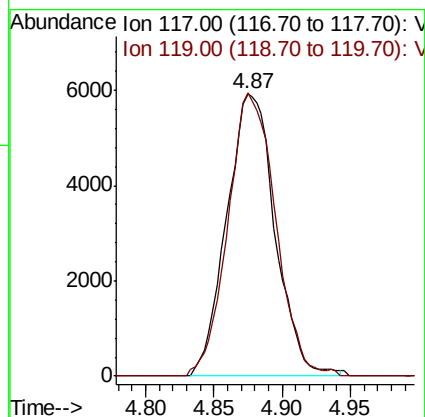
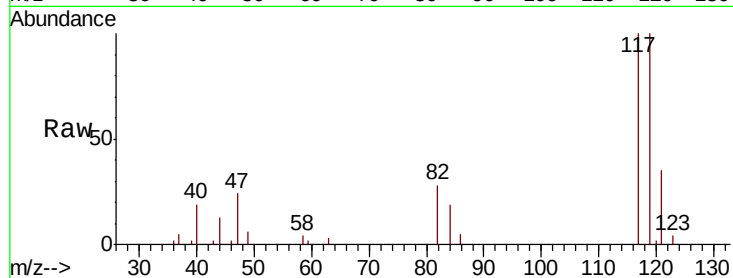




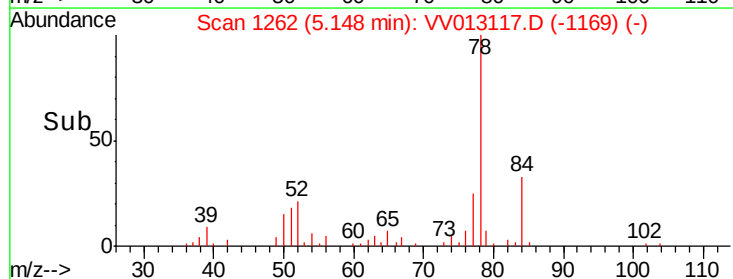
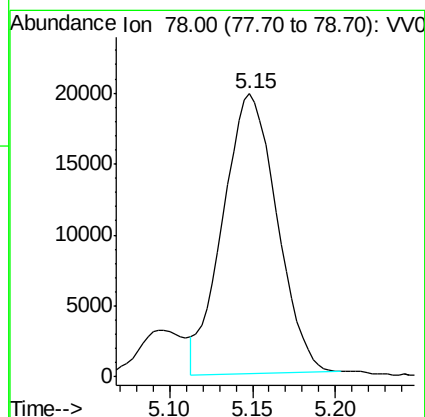
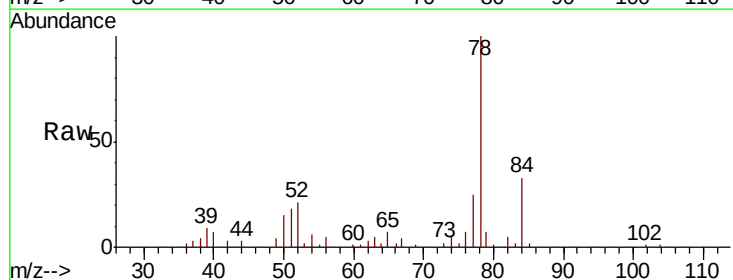
#31
Carbon tetrachloride
Concen: 2.156 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

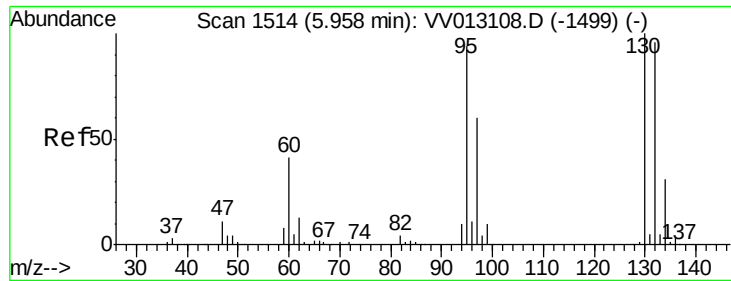
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 14599
Ion Ratio Lower Upper
117 100
119 98.4 77.4 116.0



#33
Benzene
Concen: 2.139 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20
Tgt Ion: 78 Resp: 44741

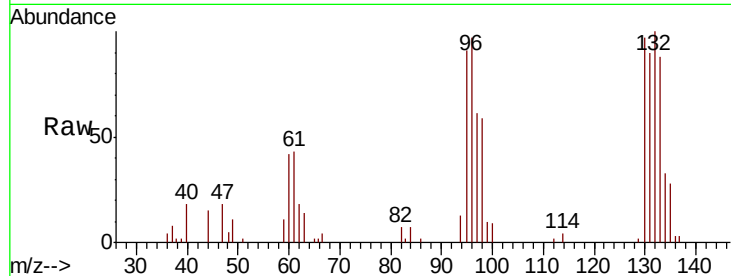




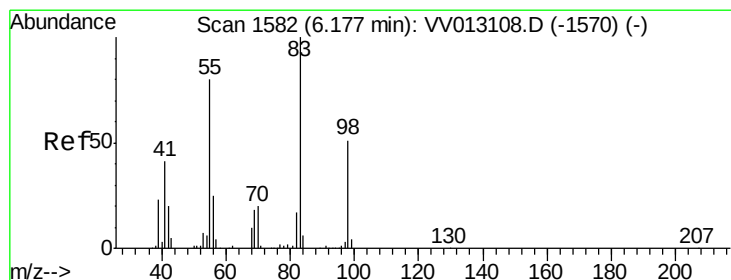
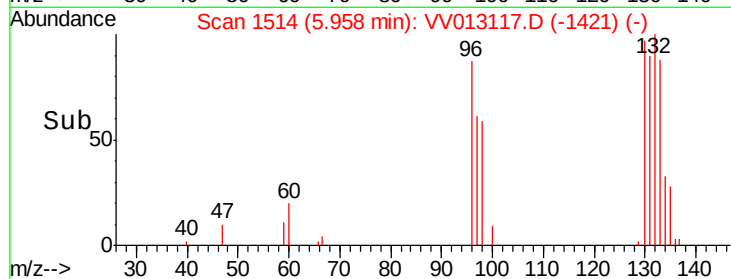
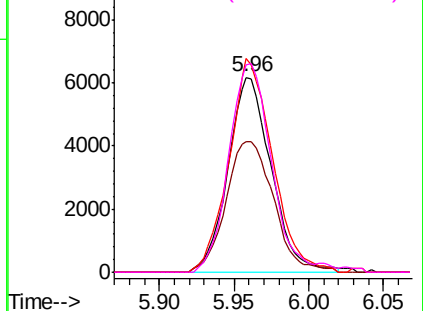
#34
 Trichloroethene
 Concen: 2.228 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 12410
 Ion Ratio Lower Upper
 95 100
 97 66.9 44.7 82.9
 132 109.7 71.4 132.6
 130 106.7 74.2 137.8

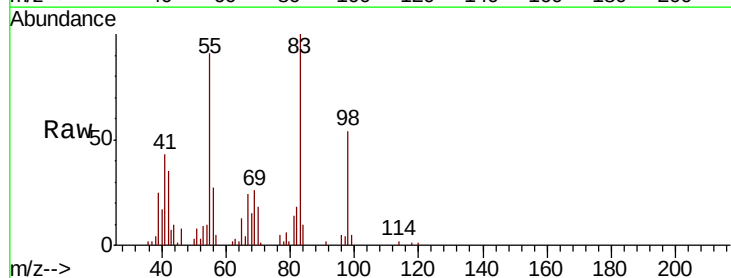


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

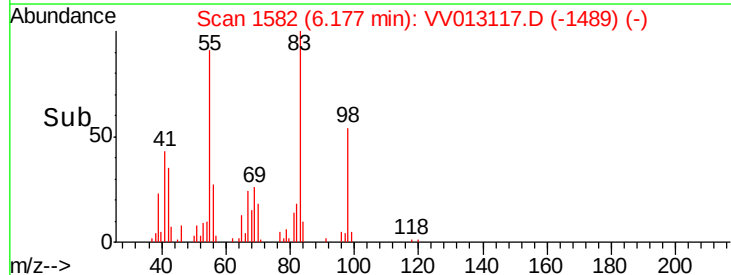
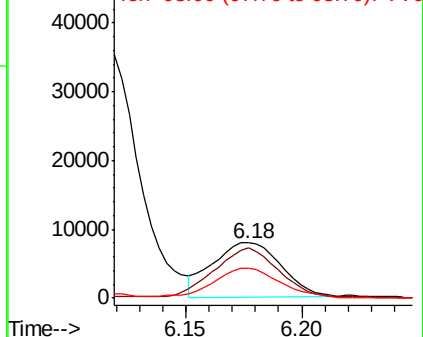


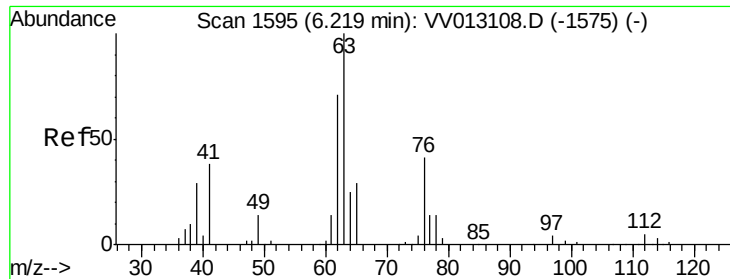
#35
 Methylcyclohexane
 Concen: 1.947 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion: 83 Resp: 16404
 Ion Ratio Lower Upper
 83 100
 55 87.8 61.2 91.8
 98 54.1 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

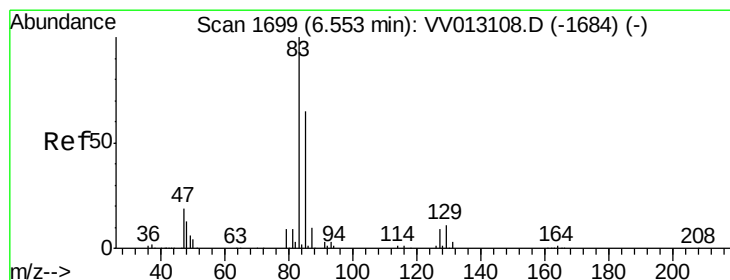
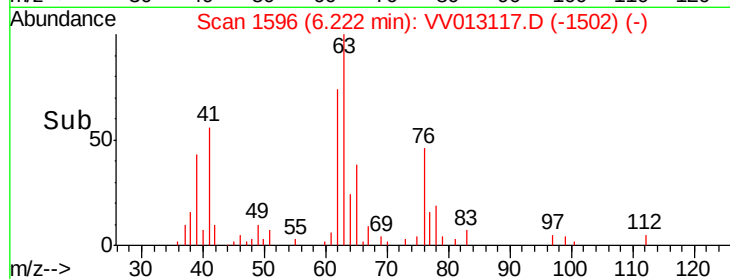
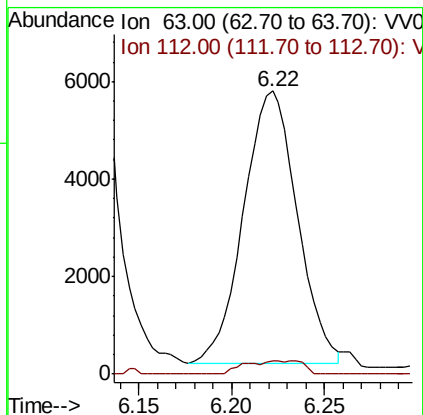
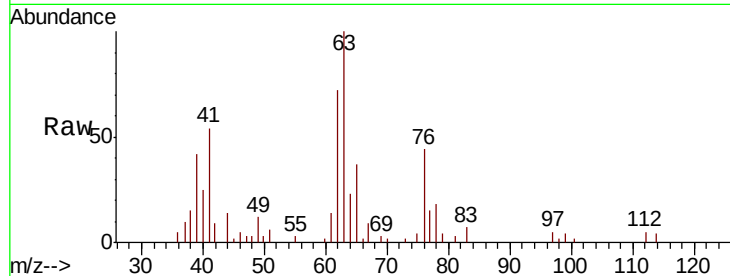




#37
 1,2-Dichloropropane
 Concen: 2.087 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

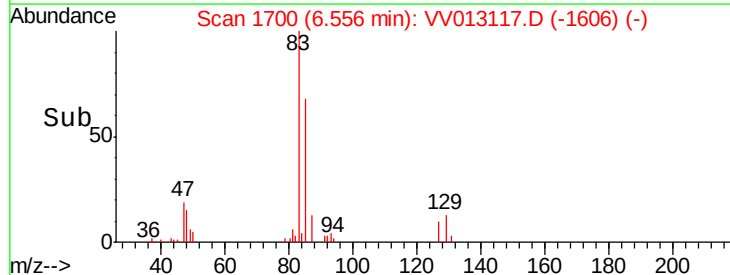
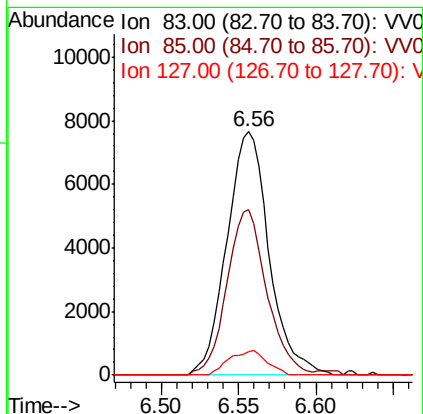
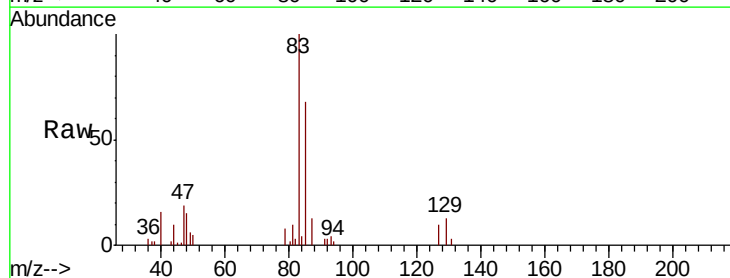
Instrument :
 MSVOA_V
 ClientSampleId :

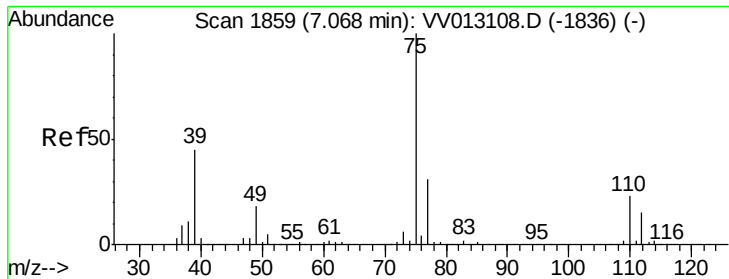
Tot Ion: 63 Resp: 11304
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 2.108 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion: 83 Resp: 14528
 Ion Ratio Lower Upper
 83 100
 85 67.8 45.8 85.0
 127 9.9 7.4 11.0

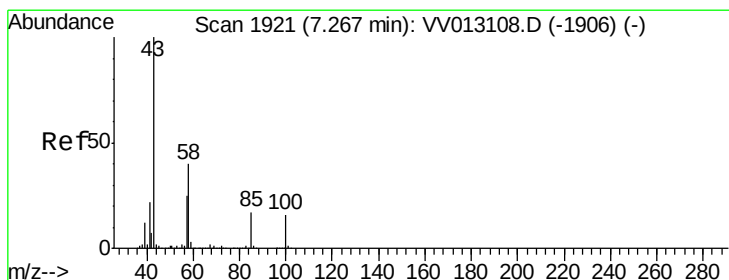
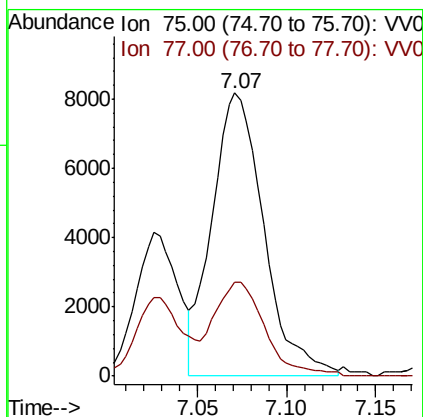
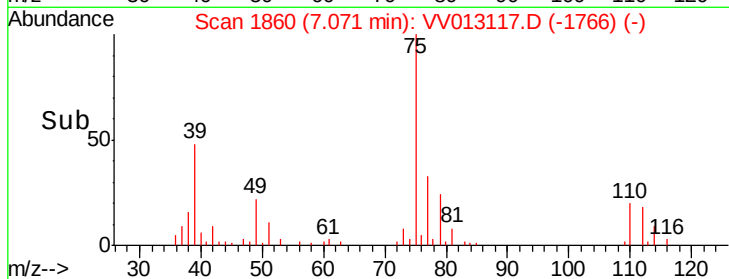
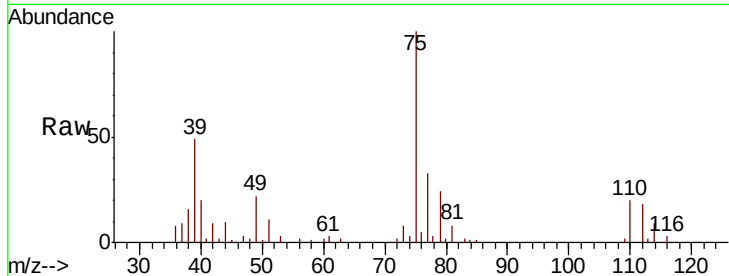




#39
 cis-1,3-Dichloropropene
 Concen: 2.063 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

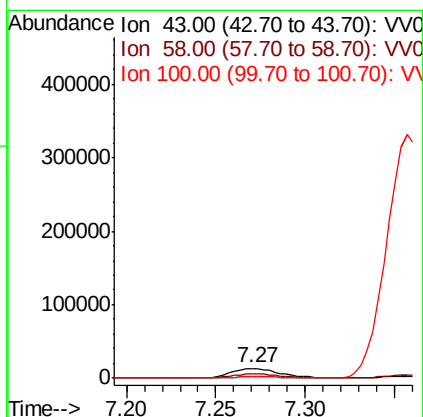
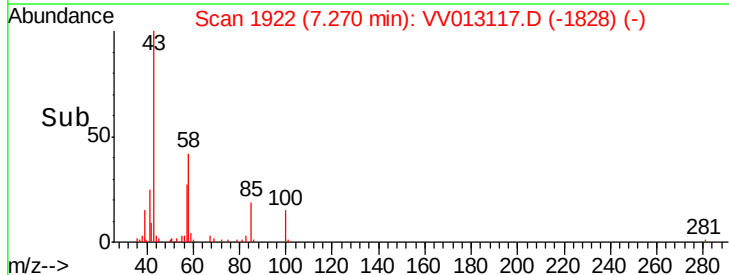
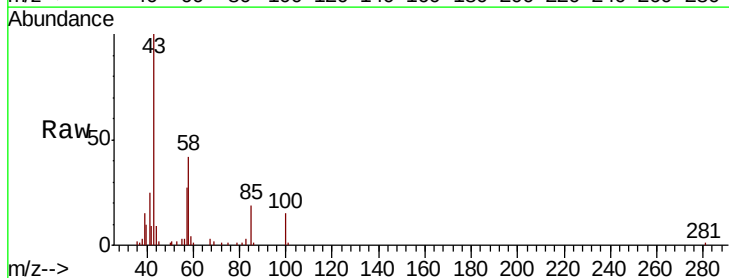
Instrument :
 MSVOA_V
 ClientSampled :

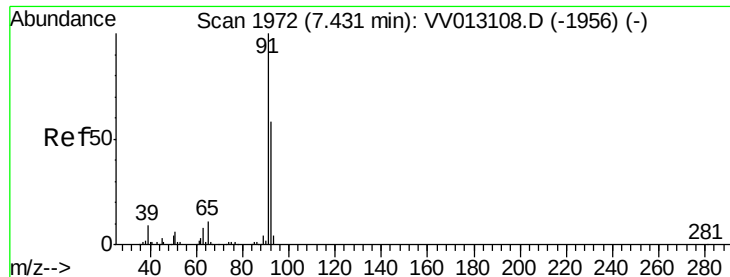
Tot Ion: 75 Resp: 16532
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 3.642 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion: 43 Resp: 25831
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.0 48.0
 100 15.5 12.7 19.1





#42

Toluene

Concen: 2.228 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

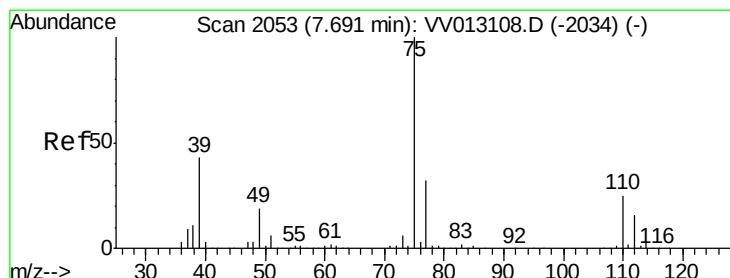
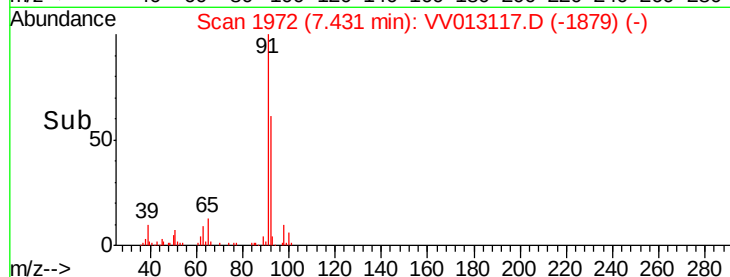
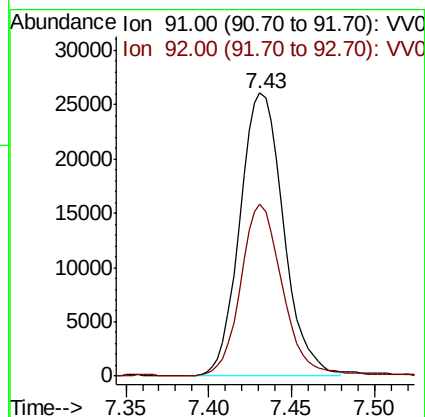
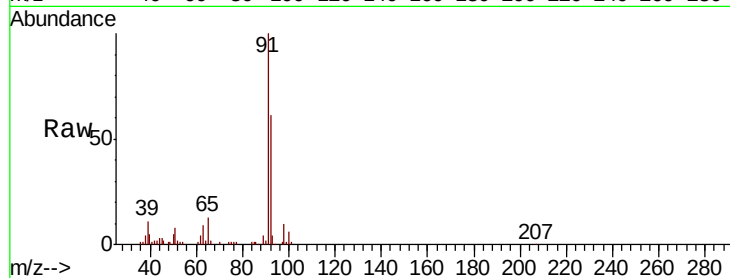
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 47987

Ion Ratio Lower Upper

91 100

92 60.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 2.188 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013117.D

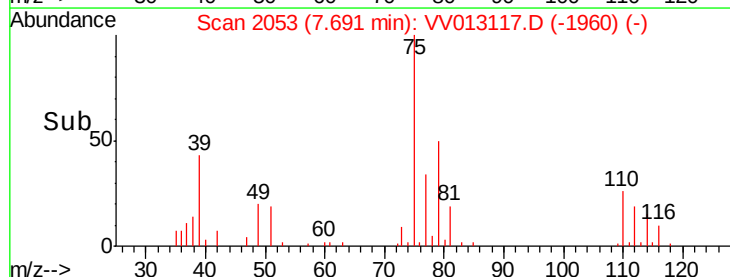
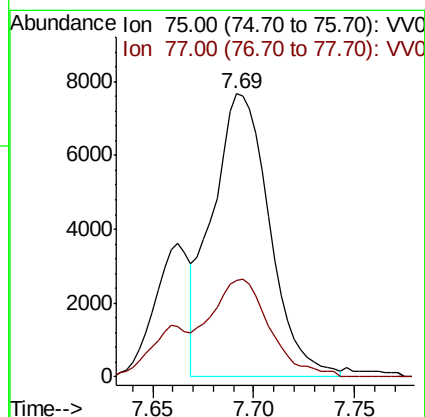
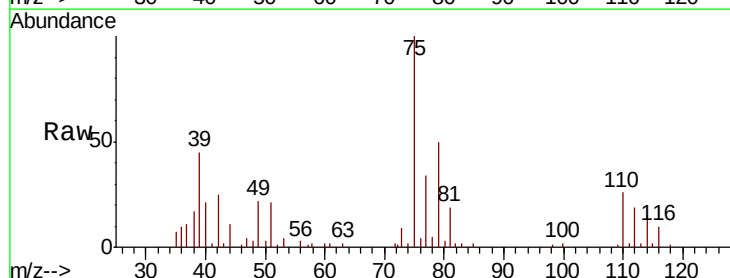
Acq: 11 Oct 2019 22:20

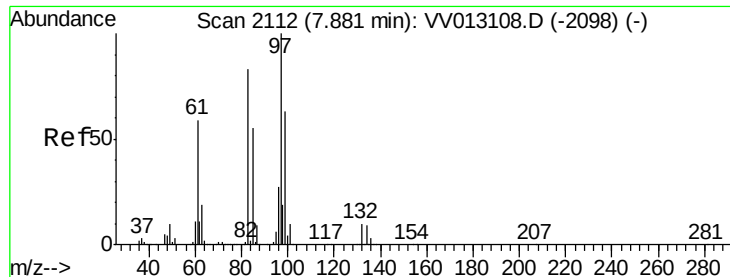
Tgt Ion: 75 Resp: 15199

Ion Ratio Lower Upper

75 100

77 34.3 22.0 41.0

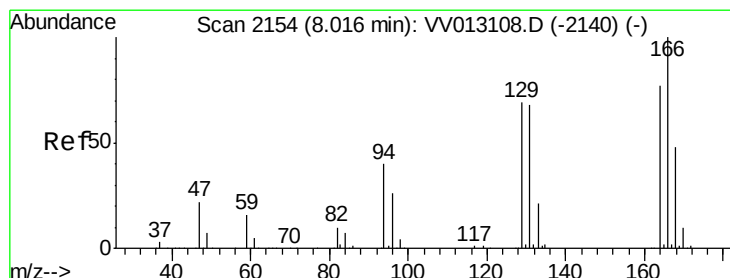
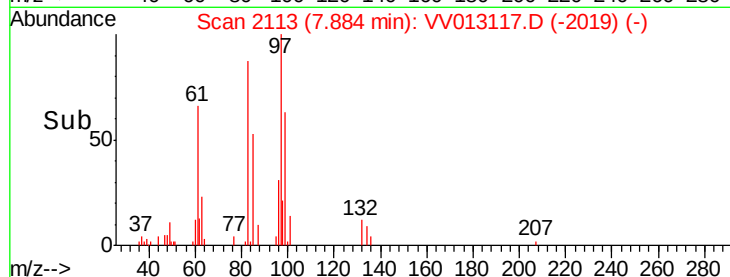
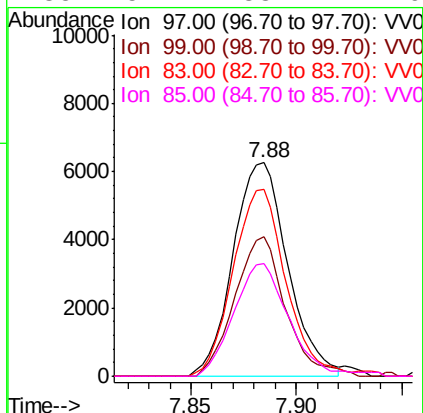
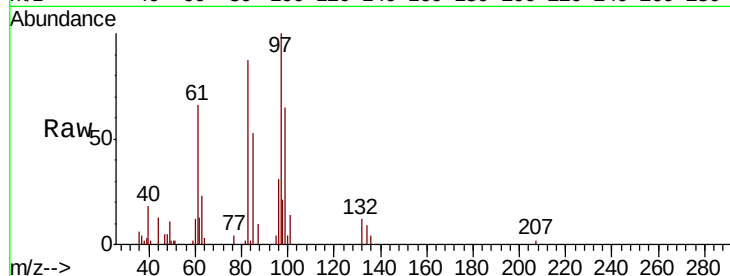




#45
 1,1,2-Trichloroethane
 Concen: 2.194 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

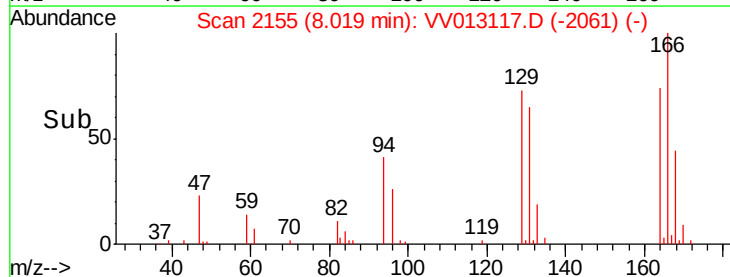
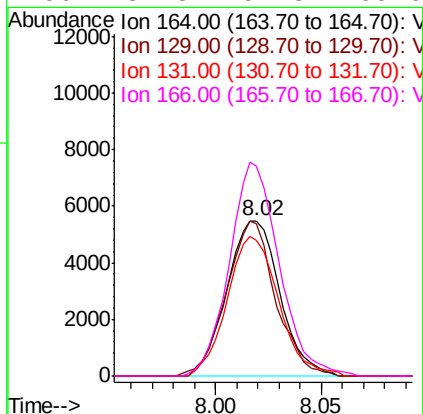
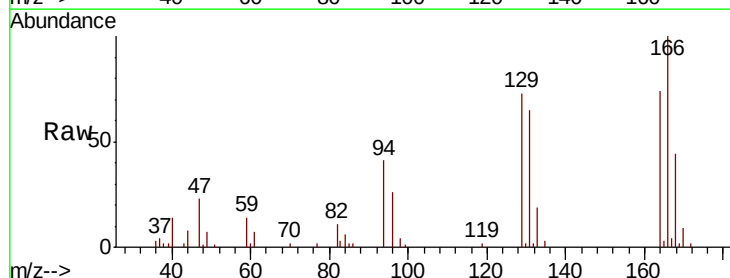
Instrument :
 MSVOA_V
 ClientSampleId :

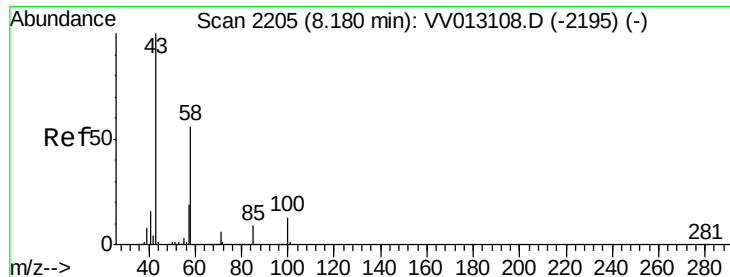
Tot Ion:	97	Resp:	11284
Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.4	82.5
83	87.5	58.2	108.0
85	52.7	38.7	71.9



#46
 Tetrachloroethene
 Concen: 2.171 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion:	164	Resp:	9572
Ion	Ratio	Lower	Upper
164	100		
129	98.2	63.1	117.1
131	87.4	62.4	116.0
166	134.8	91.3	169.6

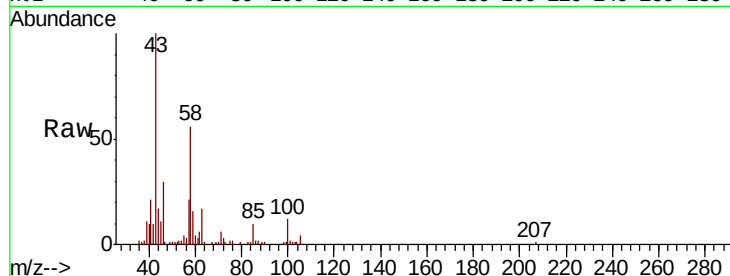




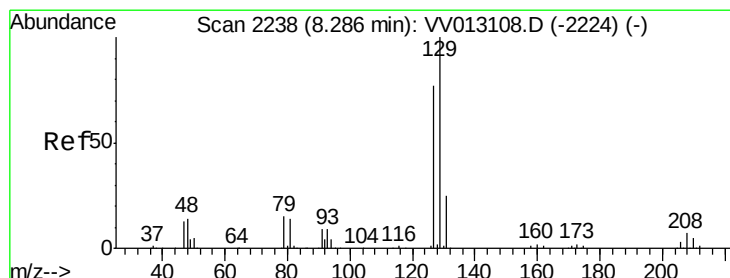
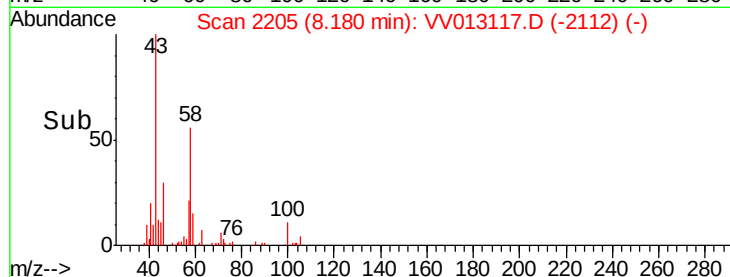
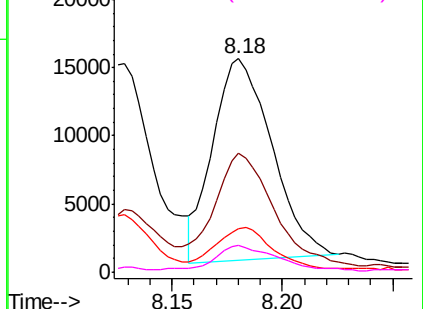
#48
2-Hexanone
Concen: 5.015 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	27501
Ion	Ratio	Lower	Upper
43	100		
58	59.9	44.9	67.3
57	20.4	15.0	22.6
100	13.8	10.2	15.2

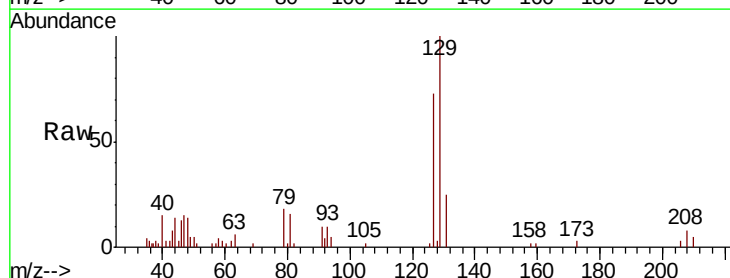


Abundance Ion 43.00 (42.70 to 43.70): VV013117.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV013117.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV013117.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV013117.D (-2195) (-)

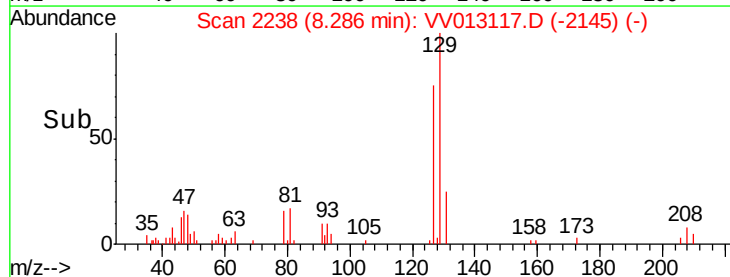
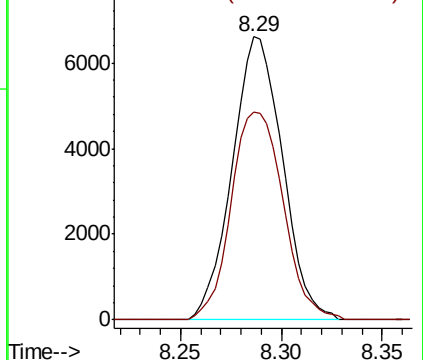


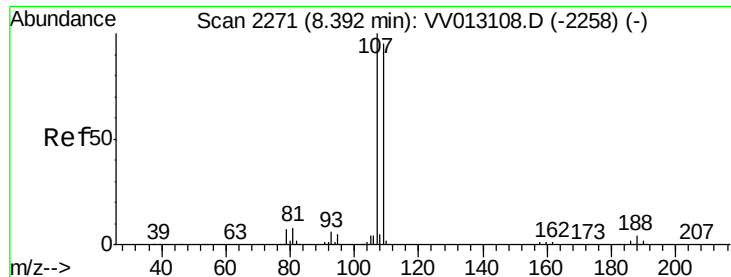
#49
Dibromochloromethane
Concen: 2.059 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013117.D
Acq: 11 Oct 2019 22:20

Tgt Ion:	129	Resp:	11542
Ion	Ratio	Lower	Upper
129	100		
127	73.2	54.0	100.4



Abundance Ion 129.00 (128.70 to 129.70): VV013117.D (-2145) (-)
Ion 127.00 (126.70 to 127.70): VV013117.D (-2145) (-)

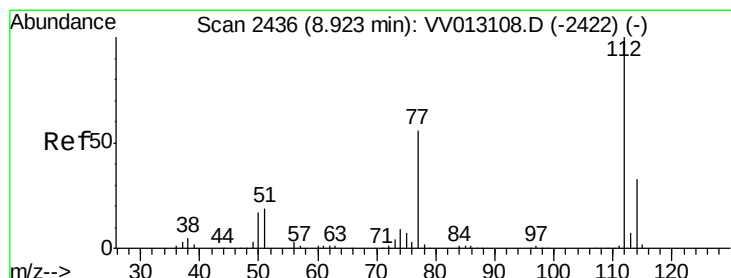
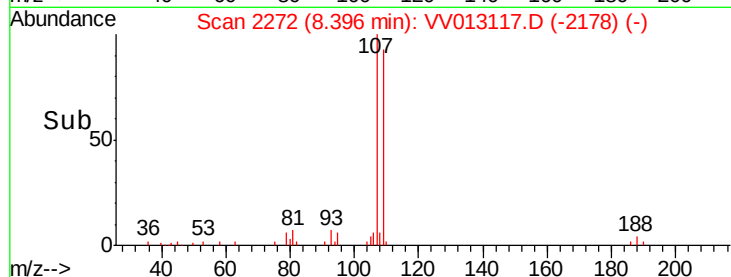
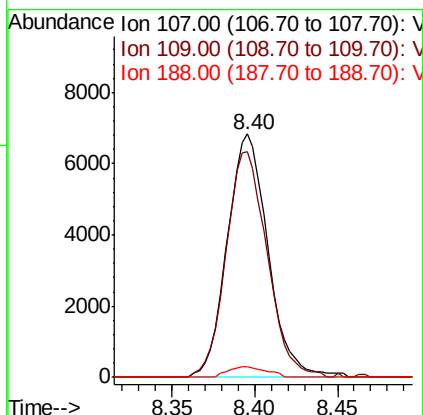
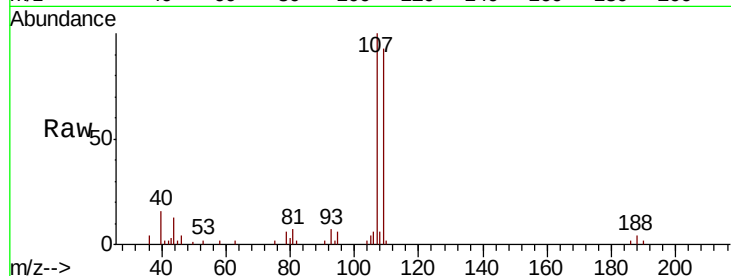




#50
 1,2-Dibromoethane
 Concen: 2.172 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

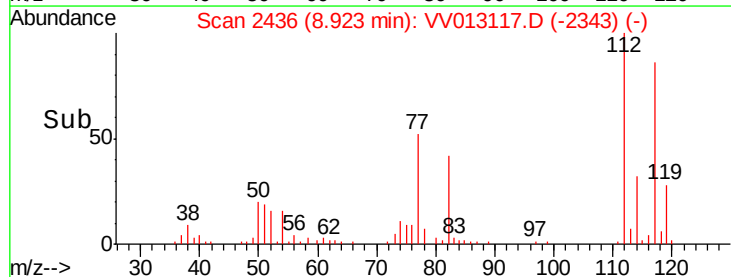
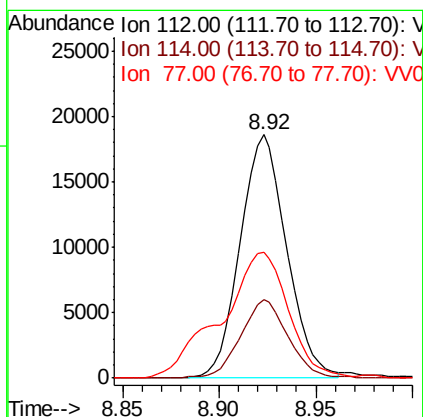
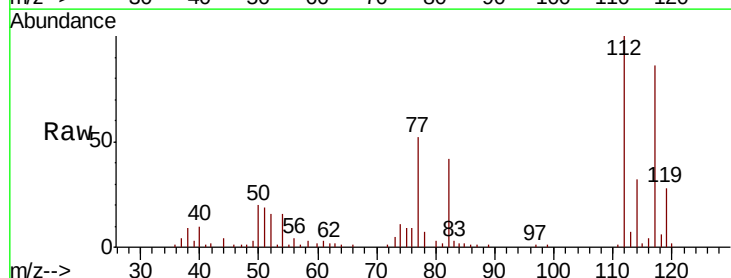
Instrument :
 MSVOA_V
 ClientSampleId :

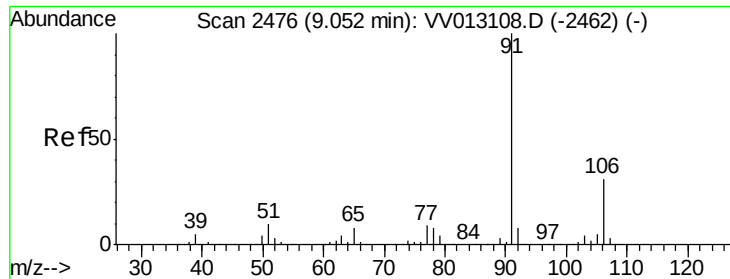
Tot Ion:107 Resp: 11675
 Ion Ratio Lower Upper
 107 100
 109 92.8 66.6 123.6
 188 4.4 3.4 5.2



#51
 Chlorobenzene
 Concen: 2.201 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion:112 Resp: 31080
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.8 42.4
 77 51.7 45.1 67.7





#52

Ethylbenzene

Concen: 1.970 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

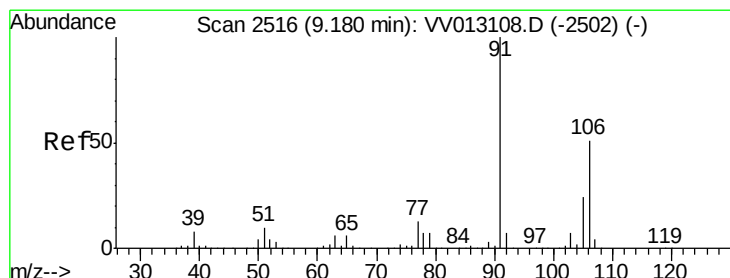
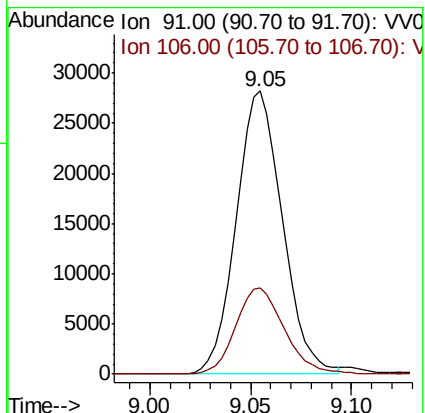
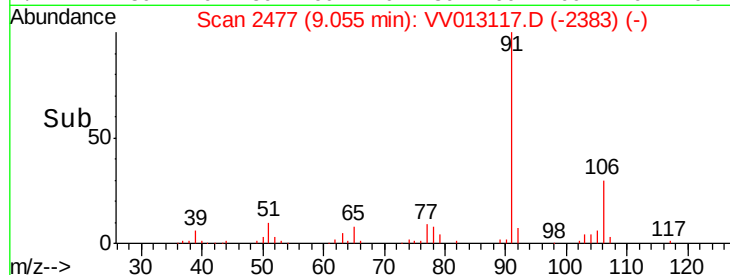
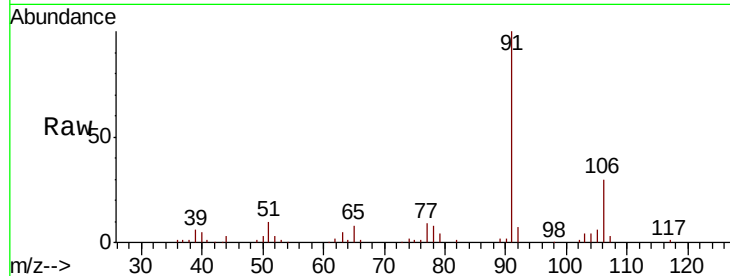
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 45331

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#53

m,p-Xylene

Concen: 1.931 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV013117.D

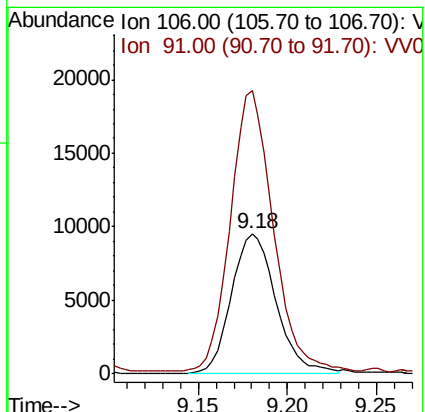
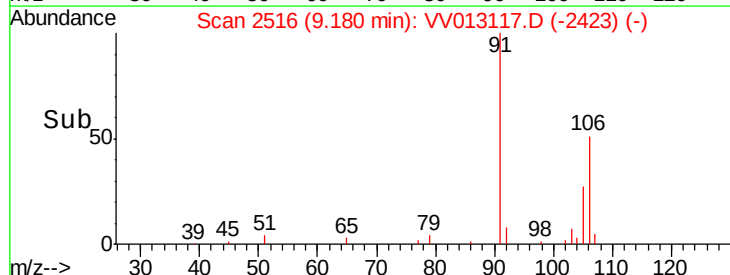
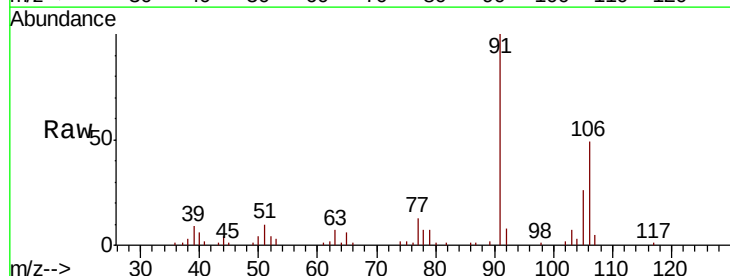
Acq: 11 Oct 2019 22:20

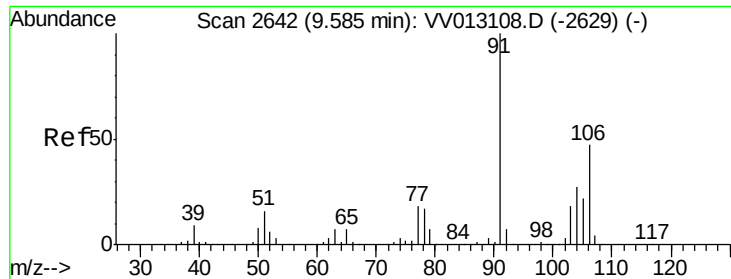
Tgt Ion: 106 Resp: 16715

Ion Ratio Lower Upper

106 100

91 202.1 137.8 255.8





#54

o-xylene

Concen: 1.838 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

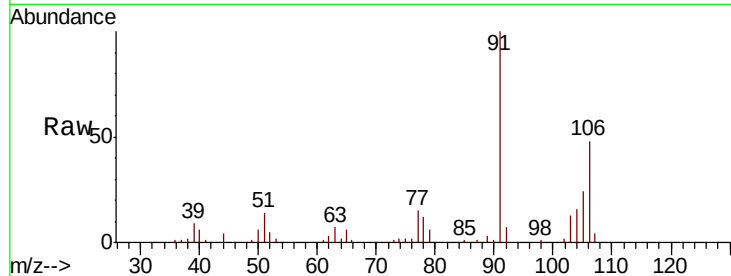
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 15939

Ion Ratio Lower Upper

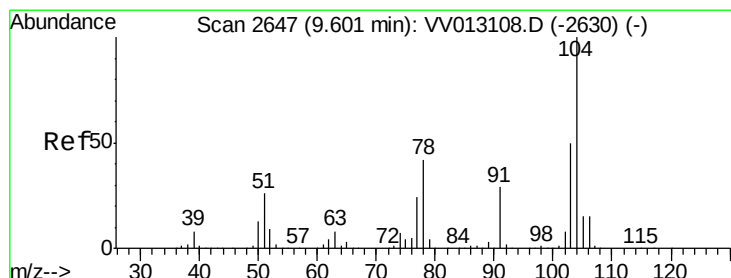
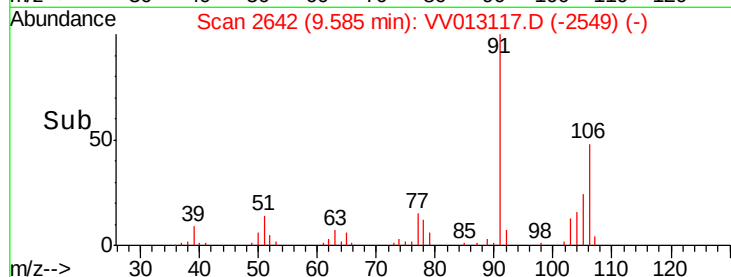
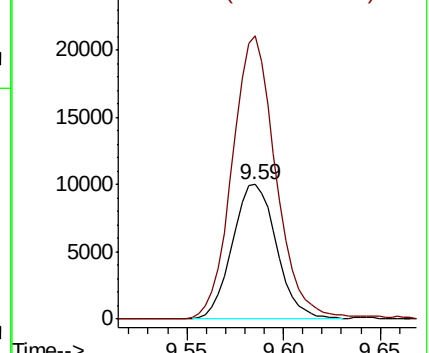
106 100

91 210.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.650 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013117.D

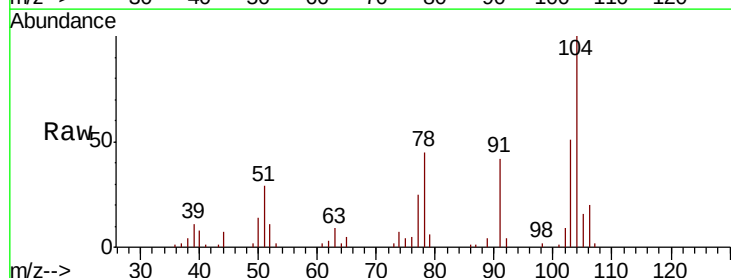
Acq: 11 Oct 2019 22:20

Tgt Ion:104 Resp: 23490

Ion Ratio Lower Upper

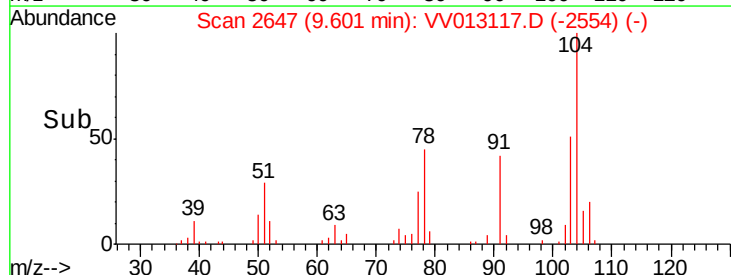
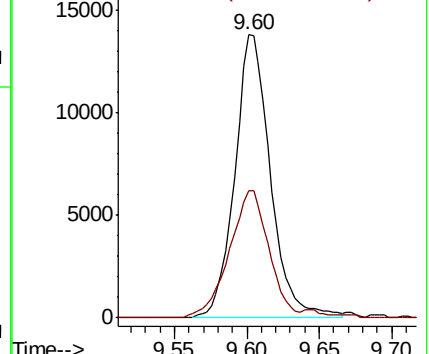
104 100

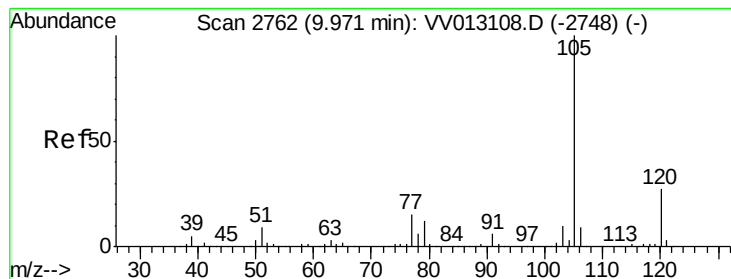
78 44.8 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.793 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :
MSVOA_V
ClientSampleId :

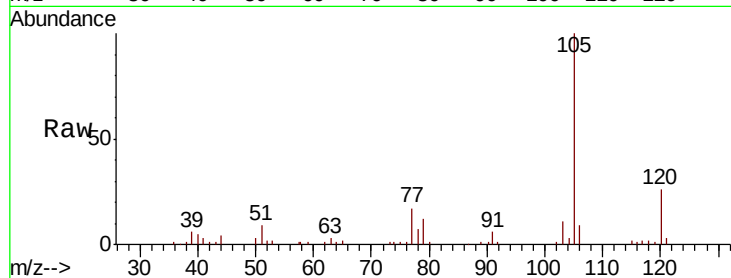
Tot Ion:105 Resp: 39934

Ion Ratio Lower Upper

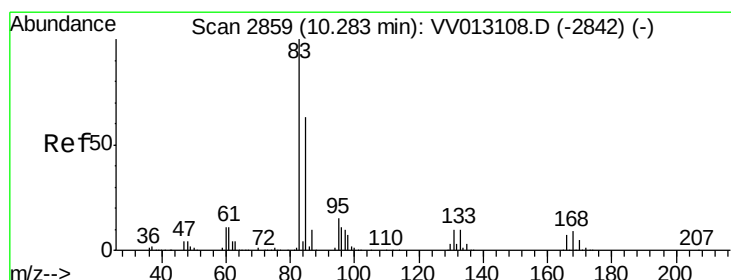
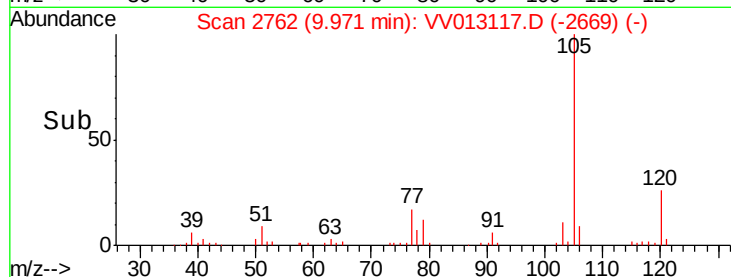
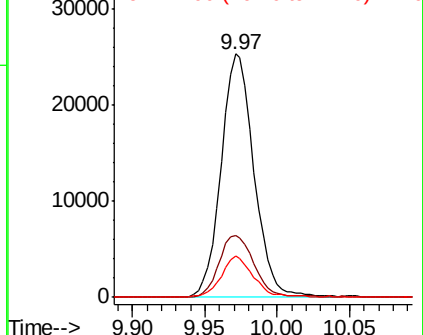
105 100

120 26.7 21.4 32.2

77 16.6 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.357 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

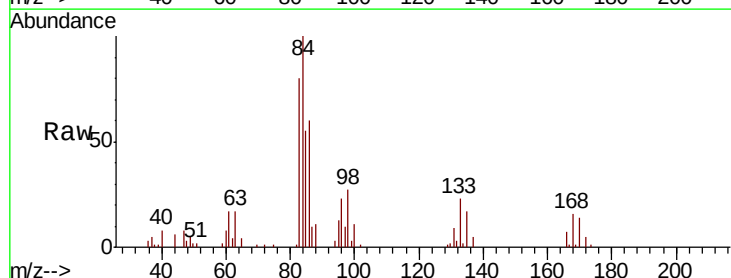
Tgt Ion: 83 Resp: 17621

Ion Ratio Lower Upper

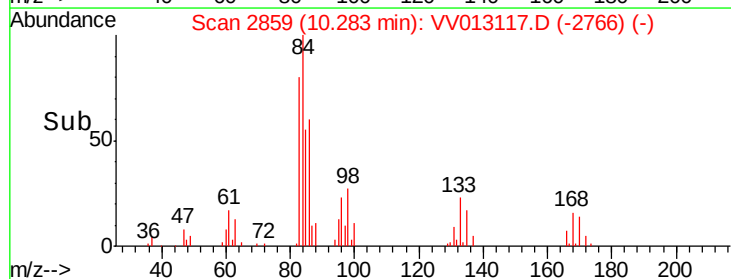
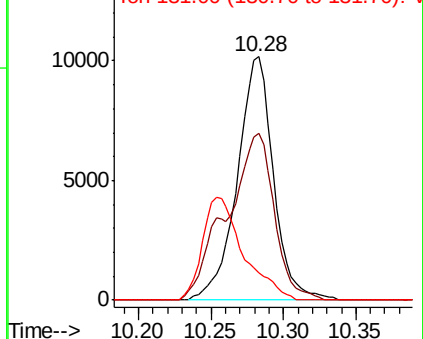
83 100

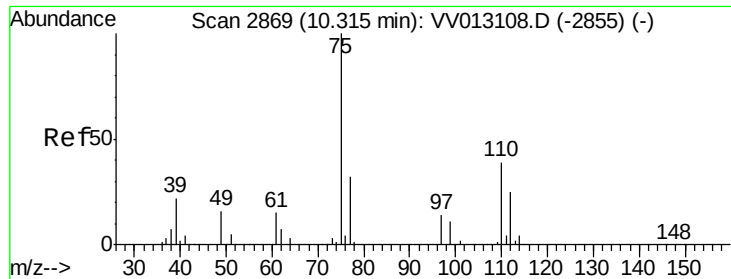
85 68.4 44.3 82.3

131 11.1 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V

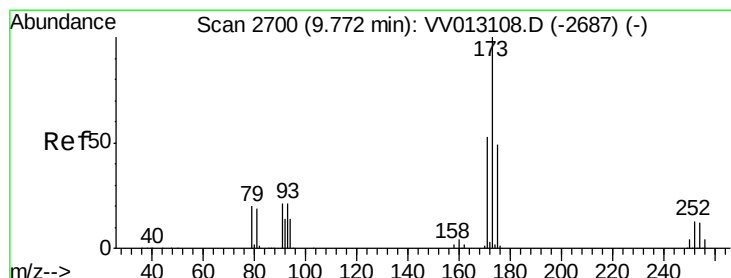
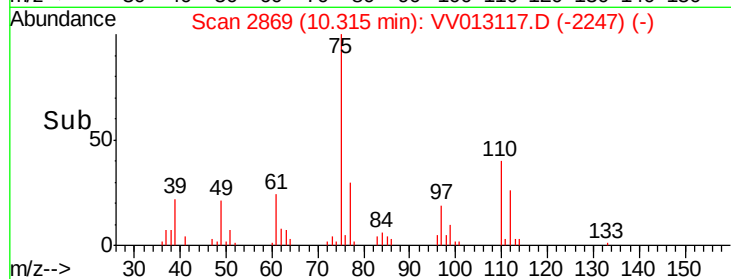
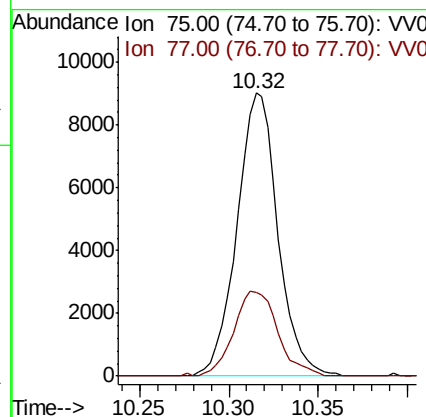
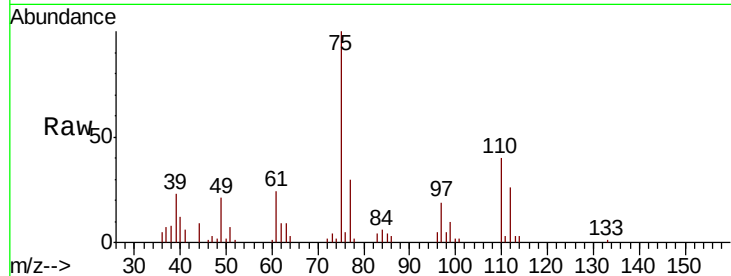




#59
 1,2,3-Trichloropropane
 Concen: 2.188 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

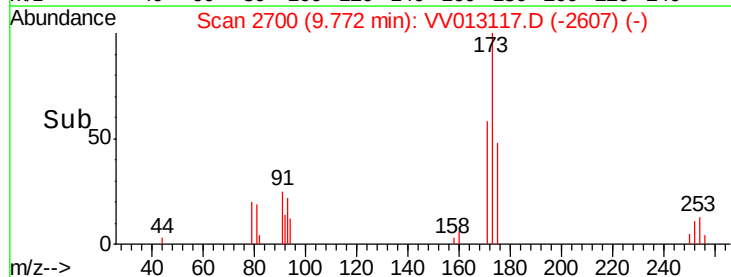
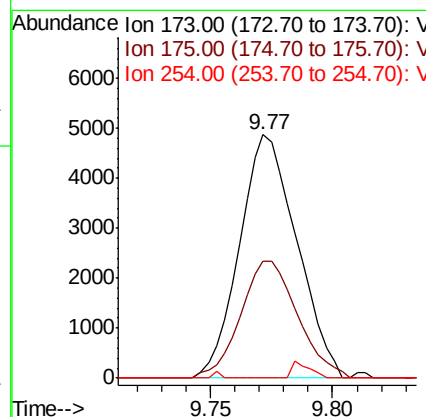
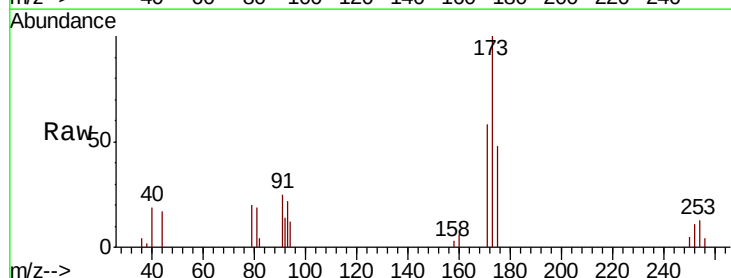
Instrument :
 MSVOA_V
 ClientSampled :

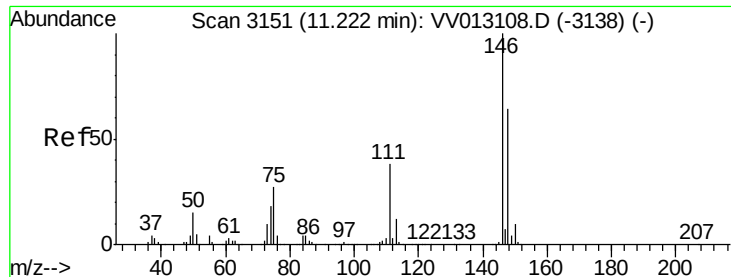
Tot Ion: 75 Resp: 14430
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#61
 Bromoform
 Concen: 2.197 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion: 173 Resp: 7914
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.8 58.2
 254 2.2 9.6 14.4#





#62

1,3-Dichlorobenzene

Concen: 2.199 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

ClientSampleId :

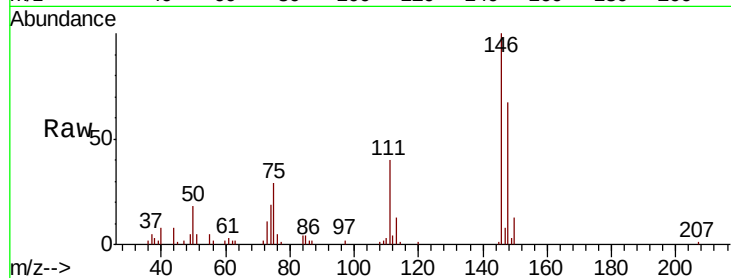
Tot Ion:146 Resp: 20359

Ion Ratio Lower Upper

146 100

111 40.1 26.6 49.4

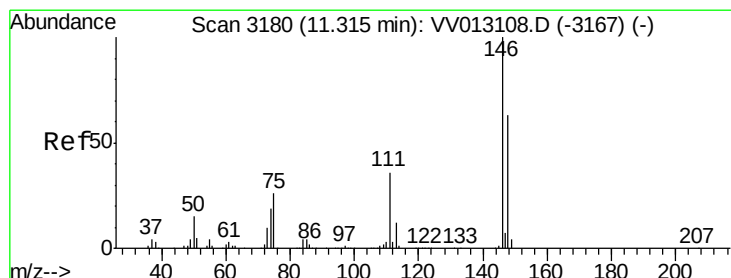
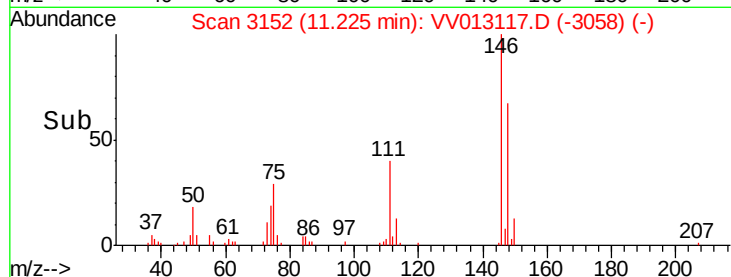
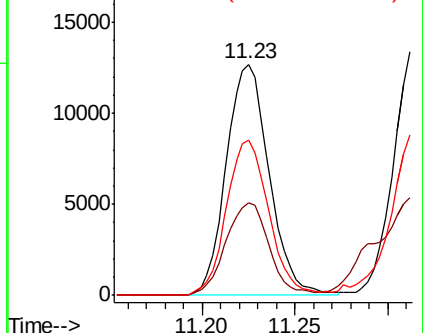
148 67.0 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.354 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

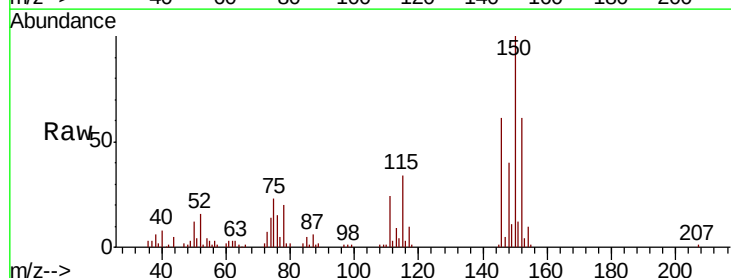
Tgt Ion:146 Resp: 21884

Ion Ratio Lower Upper

146 100

111 39.1 25.4 47.2

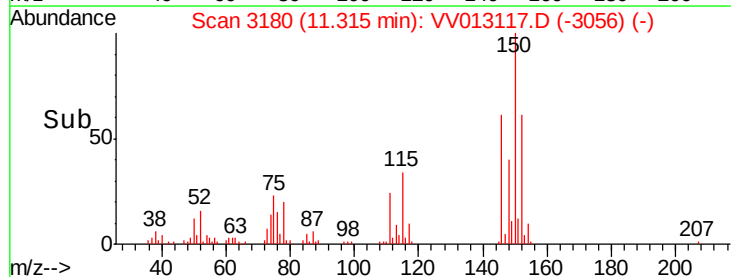
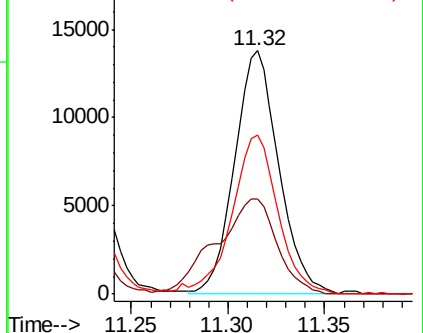
148 65.2 44.2 82.2

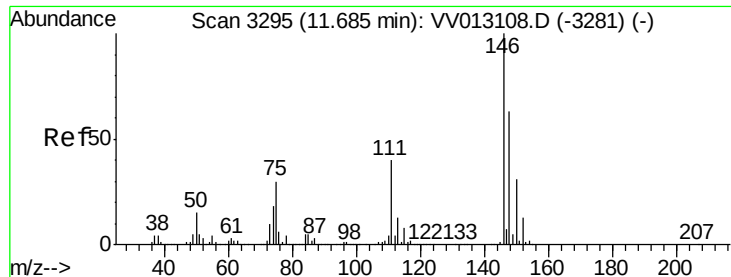


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.452 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

ClientSampleId :

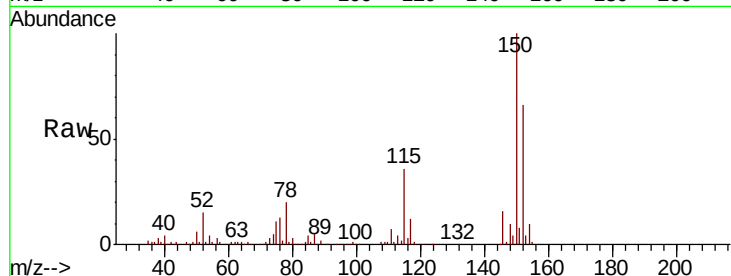
Tot Ion:146 Resp: 23113

Ion Ratio Lower Upper

146 100

111 45.4 32.2 48.2

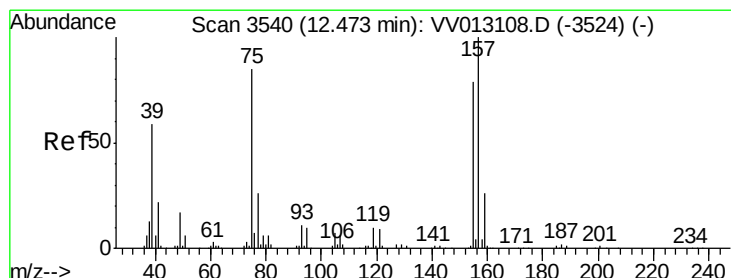
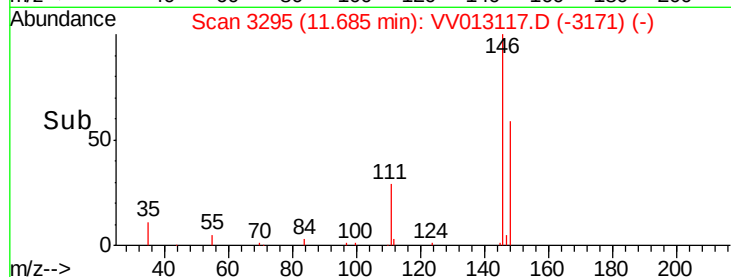
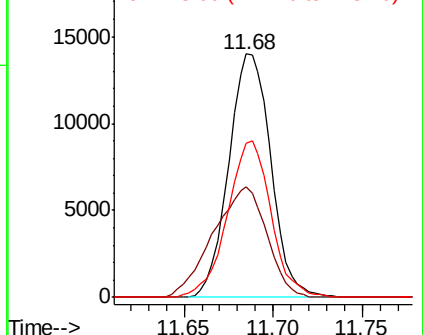
148 63.0 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): 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: 2.081 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

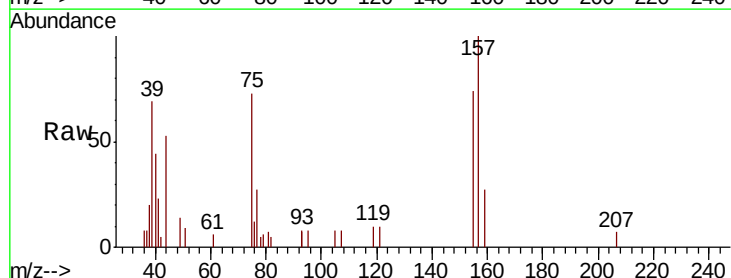
Tgt Ion: 75 Resp: 2852

Ion Ratio Lower Upper

75 100

155 100.6 74.6 111.8

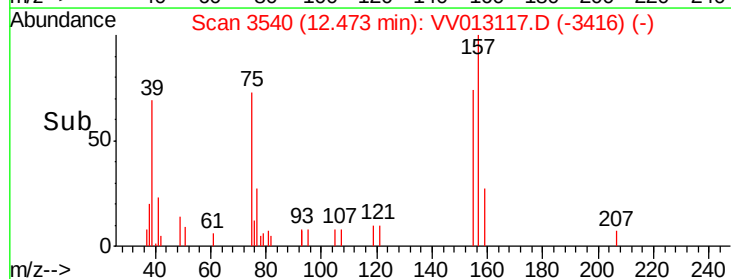
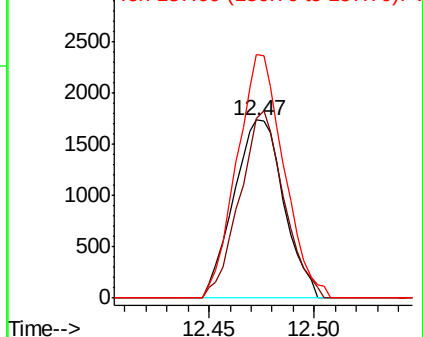
157 136.7 94.2 141.4

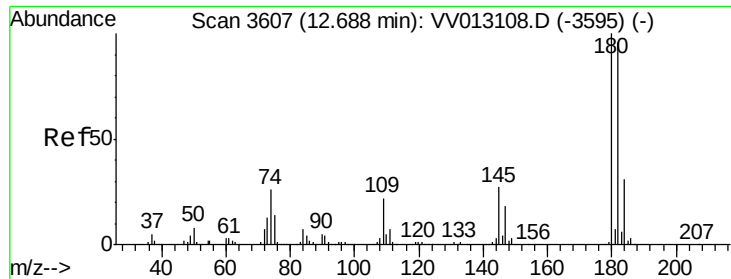


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

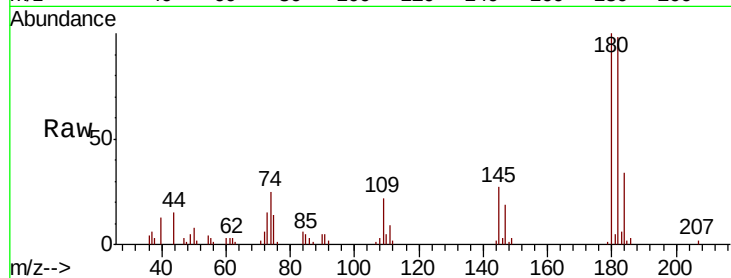




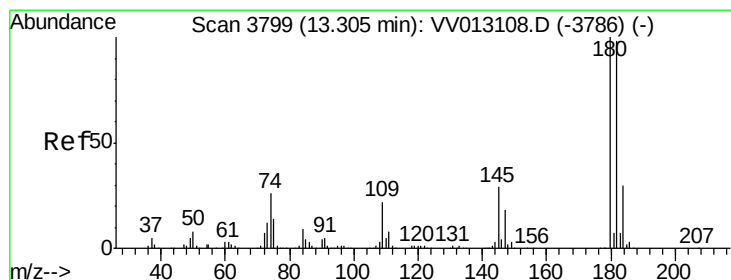
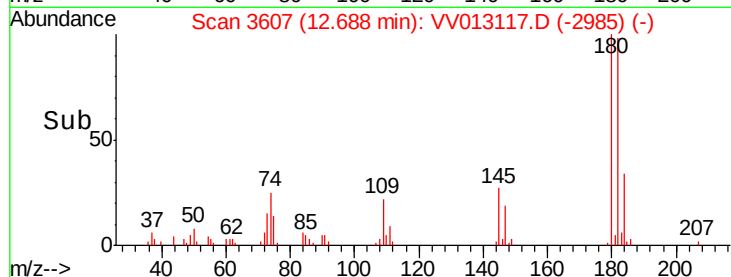
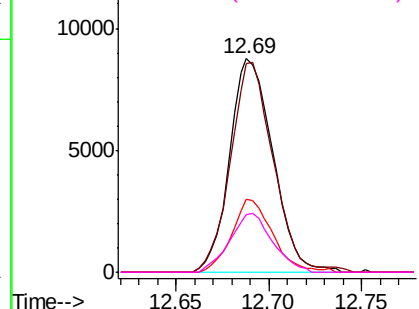
#67
 1,3,5-Trichlorobenzene
 Concen: 2.148 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	14181
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.7 115.1
184	31.9	24.3 36.5
145	27.4	21.7 32.5

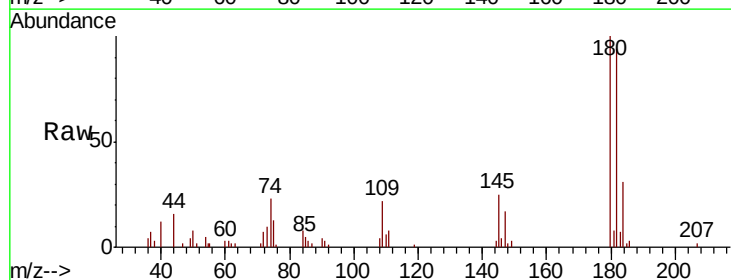


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

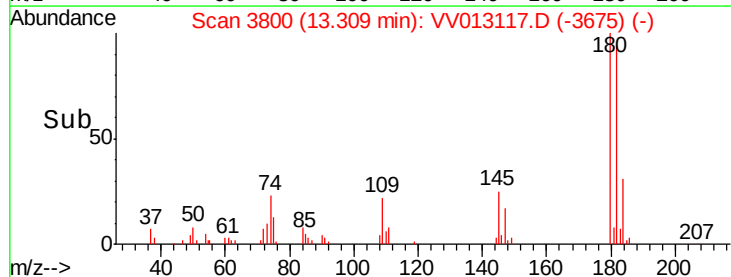
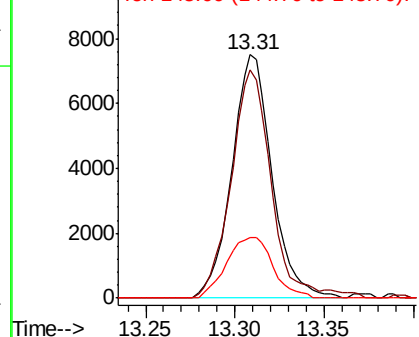


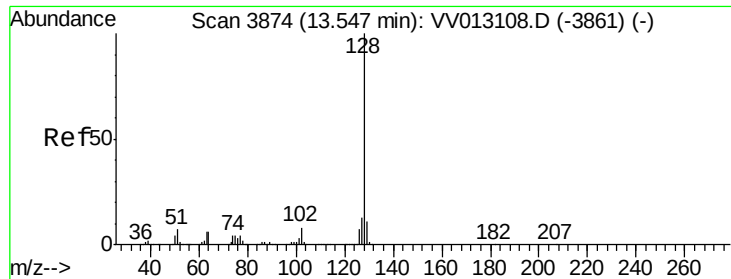
#68
 1,2,4-trichlorobenzene
 Concen: 2.076 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013117.D
 Acq: 11 Oct 2019 22:20

Tgt Ion:180	Resp:	11758
Ion Ratio	Lower	Upper
180	100	
182	92.0	77.4 116.0
145	28.9	22.7 34.1



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





#69

Naphthalene

Concen: 1.487 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

Instrument :

MSVOA_V

ClientSampleId :

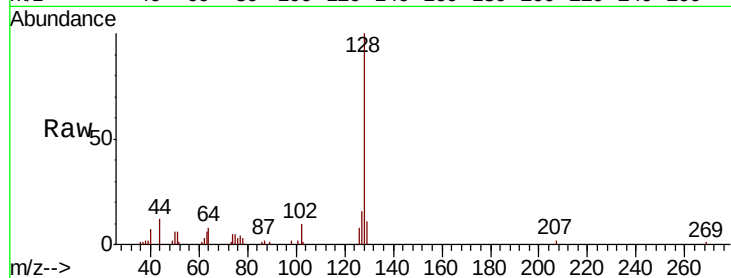
Tot Ion:128 Resp: 23206

Ion Ratio Lower Upper

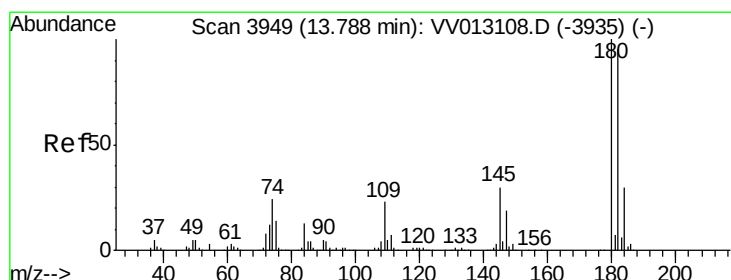
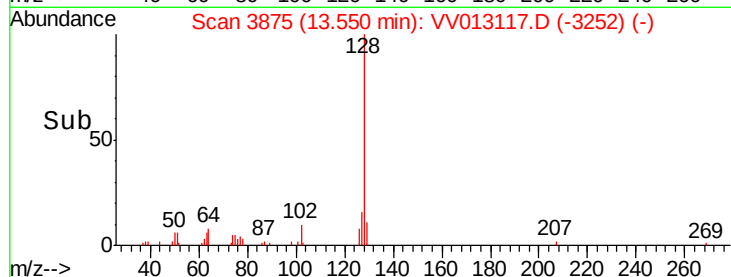
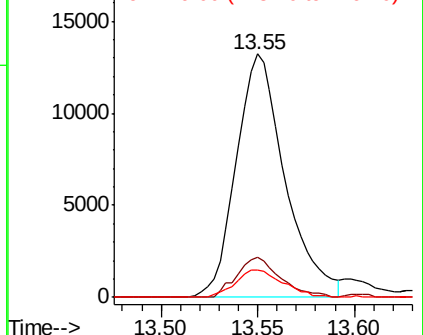
128 100

127 14.6 10.2 15.4

129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.942 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013117.D

Acq: 11 Oct 2019 22:20

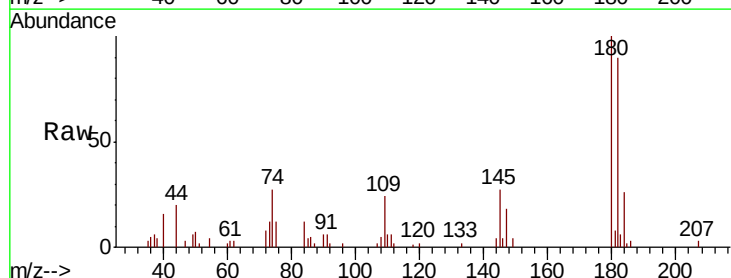
Tgt Ion:180 Resp: 11762

Ion Ratio Lower Upper

180 100

182 92.7 76.9 115.3

145 29.5 23.8 35.8



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

