

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015667.D
 Acq On : 24 Apr 2020 09:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 25 00:07:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 24 11:27:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	139175	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	131584	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	68142	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32598	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	31334	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.12	63	75405	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	3.94	46	114870	49.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.38%
24) Chloroform-d	4.37	84	82721	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	46030	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.07	84	151433	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.09	67	46973	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.33	98	143257	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.64	79	19003	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.11	63	91047	48.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36473	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	53086	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	60919	5.110	ug/L 98
3) Chloromethane	1.25	50	52938	5.133	ug/L 99
5) Vinyl chloride	1.32	62	55449	5.034	ug/L 100
6) Bromomethane	1.53	94	23990	5.073	ug/L 99
8) Chloroethane	1.59	64	35153	4.859	ug/L 99
9) Trichlorofluoromethane	1.76	101	79843	5.165	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	45300	5.180	ug/L 97
12) 1,1-Dichloroethene	2.13	96	41174	5.083	ug/L 97
13) Acetone	2.23	43	88480	54.562	ug/L 100
14) Carbon disulfide	2.30	76	116774	5.100	ug/L 100
15) Methyl Acetate	2.46	43	20096	5.211	ug/L 96
16) Methylene chloride	2.52	84	47120	4.712	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	115307	5.071	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	46553	5.133	ug/L 99
19) 1,1-Dichloroethane	3.21	63	91182	5.120	ug/L 99
21) 2-Butanone	4.02	43	132066	52.798	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	49811	4.967	ug/L 100

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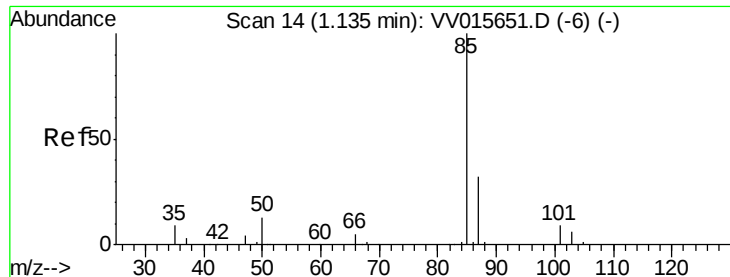
Instrument :
 MSVOA_V
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	20956	5.116	uq/L	97
25) Chloroform	4.40	83	96104	5.083	uq/L	100
27) 1,2-Dichloroethane	5.15	62	62770	5.053	uq/L	100
29) 1,1,1-Trichloroethane	4.63	97	85460	5.121	uq/L	99
30) Cyclohexane	4.70	56	80210	5.031	uq/L	99
31) Carbon tetrachloride	4.85	117	71644	5.184	uq/L	100
33) Benzene	5.12	78	191833	5.103	uq/L	100
34) Trichloroethene	5.94	95	52919	5.097	uq/L	97
35) Methylcyclohexane	6.15	83	80960	5.081	uq/L	99
37) 1,2-Dichloropropane	6.19	63	50244	5.258	uq/L	100
38) Bromodichloromethane	6.53	83	62823	5.177	uq/L #	98
39) cis-1,3-Dichloropropene	7.05	75	67949	5.101	uq/L	100
40) 4-Methyl-2-pentanone	7.25	43	316559	51.043	uq/L	100
42) Toluene	7.41	91	208398	5.188	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	58237	5.203	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	33854	5.198	uq/L	99
47) Tetrachloroethene	7.99	164	38653	5.171	uq/L	98
48) 2-Hexanone	8.16	43	232915	52.664	uq/L	99
49) Dibromochloromethane	8.27	129	35637	5.287	uq/L	96
50) 1,2-Dibromoethane	8.37	107	31810	5.281	uq/L	93
51) Chlorobenzene	8.90	112	132398	5.031	uq/L	97
52) Ethylbenzene	9.03	91	238165	5.123	uq/L	98
53) m,p-xylene	9.16	106	89497	5.256	uq/L	100
54) o-xylene	9.56	106	86436	5.246	uq/L	97
55) Styrene	9.58	104	145701	5.212	uq/L	100
56) Isopropylbenzene	9.95	105	237917	5.147	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	38568	5.071	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	30223	4.954	uq/L	99
61) Bromoform	9.75	173	14852	5.280	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	108187	5.016	uq/L	100
63) 1,4-Dichlorobenzene	11.30	146	109132	5.018	uq/L	100
65) 1,2-Dichlorobenzene	11.67	146	99416	5.097	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	6543	5.149	uq/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	80656	5.061	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	70167	4.784	uq/L	97
69) Naphthalene	13.53	128	120752	4.600	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	61840	4.777	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.110 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

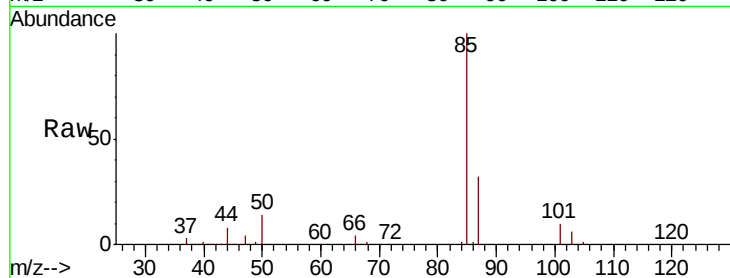
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 60919

Ion Ratio Lower Upper

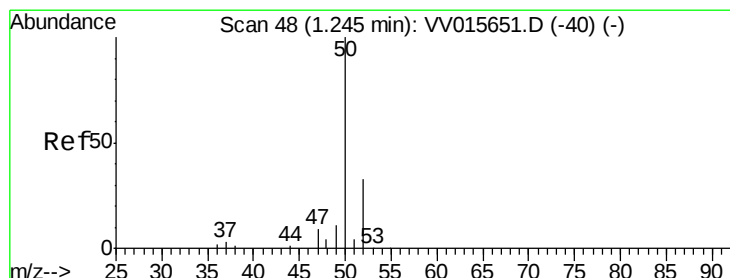
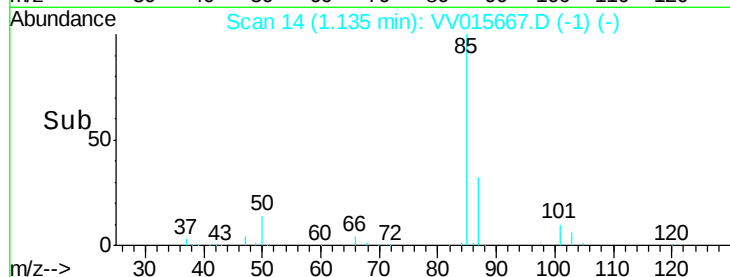
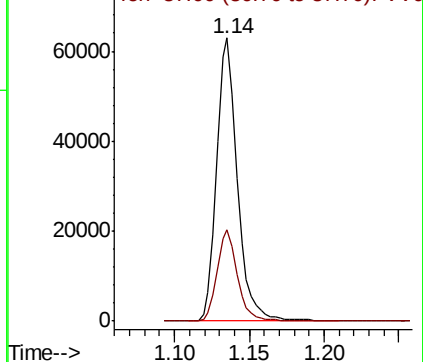
85 100

87 31.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.133 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015667.D

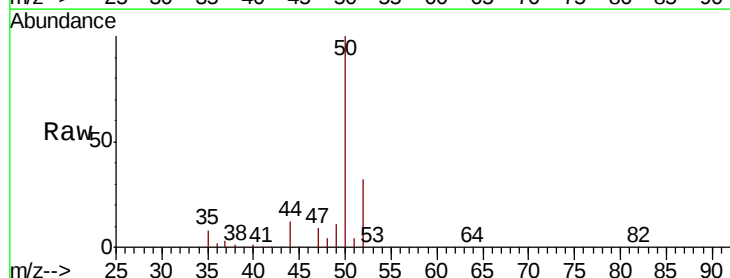
Acq: 24 Apr 2020 09:53

Tgt Ion: 50 Resp: 52938

Ion Ratio Lower Upper

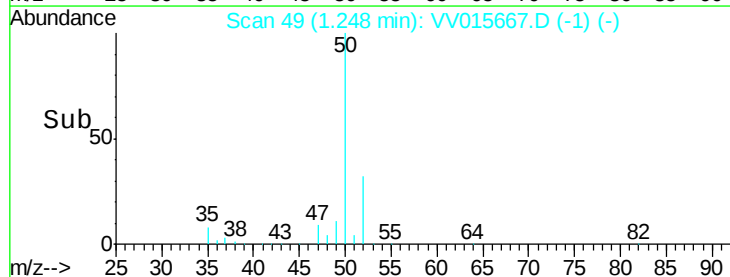
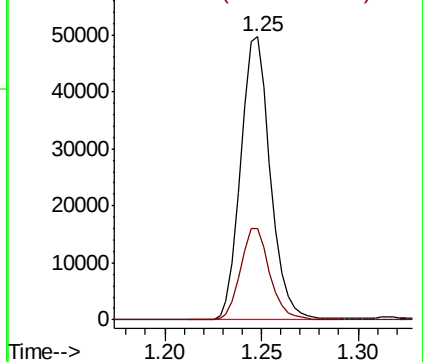
50 100

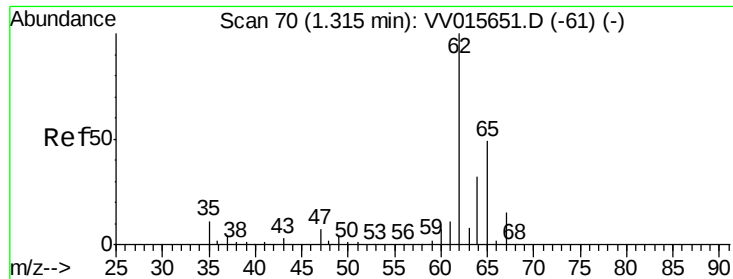
52 32.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

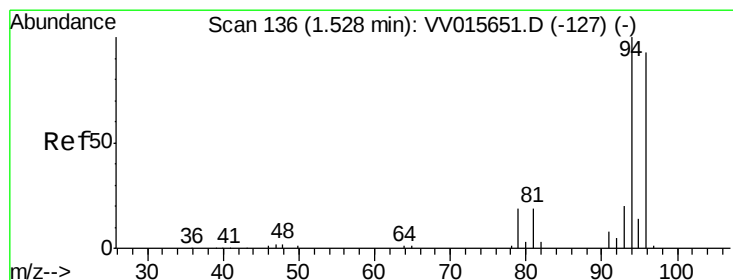
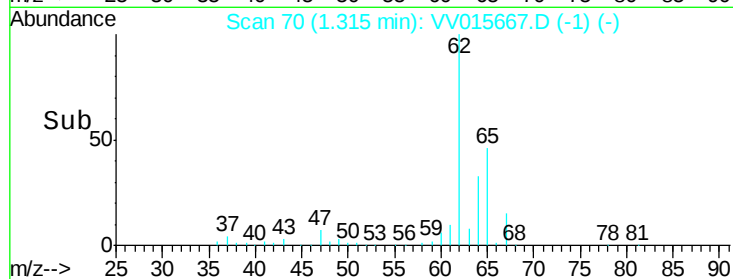
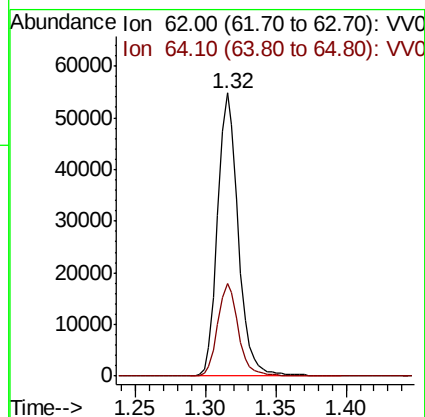
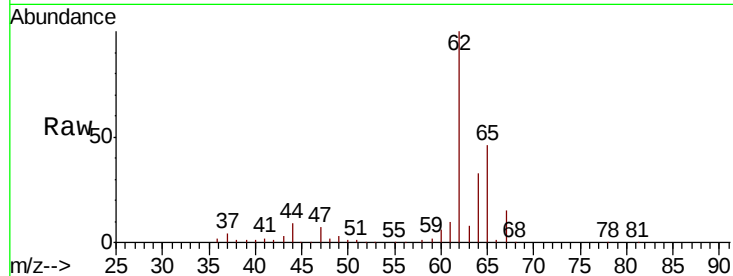




#5
 Vinyl chloride
 Concen: 5.034 ug/L
 RT: 1.32 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

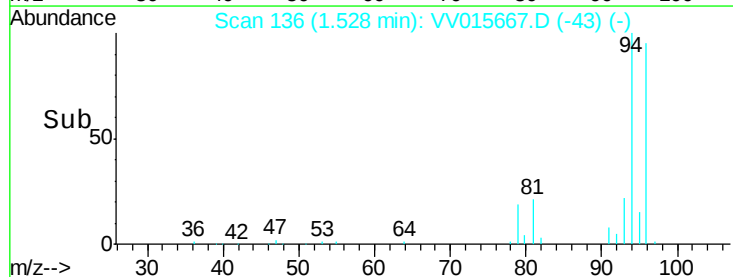
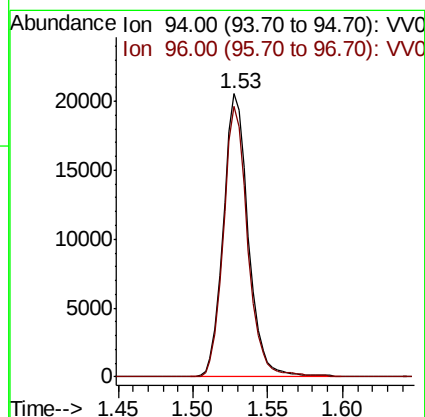
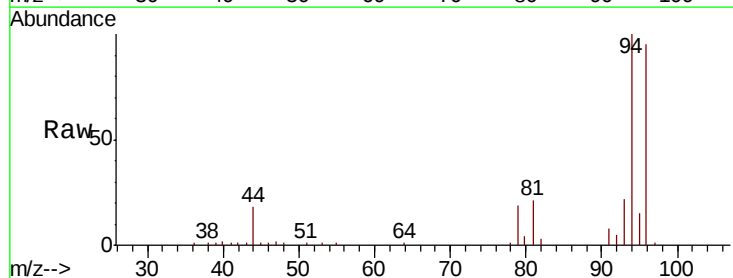
Instrument :
 MSVOA_V
 ClientSampleId :

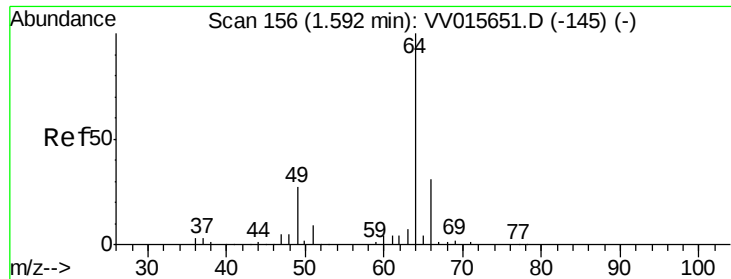
Tot Ion: 62 Resp: 55449
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.1



#6
 Bromomethane
 Concen: 5.073 ug/L
 RT: 1.53 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion: 94 Resp: 23990
 Ion Ratio Lower Upper
 94 100
 96 95.5 67.3 125.1





#8

Chloroethane

Concen: 4.859 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

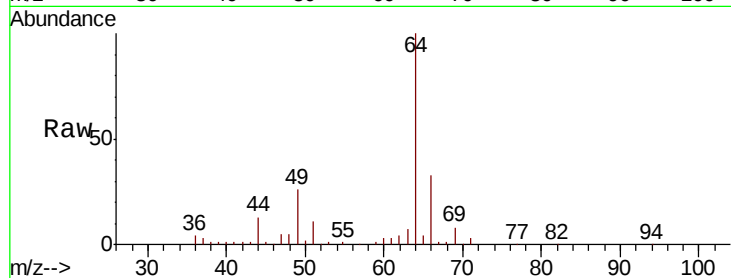
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 35153

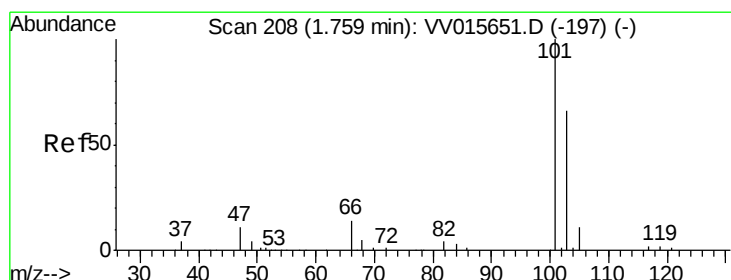
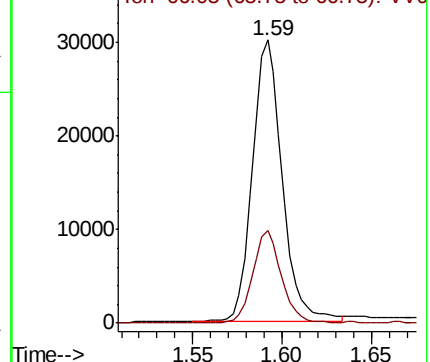
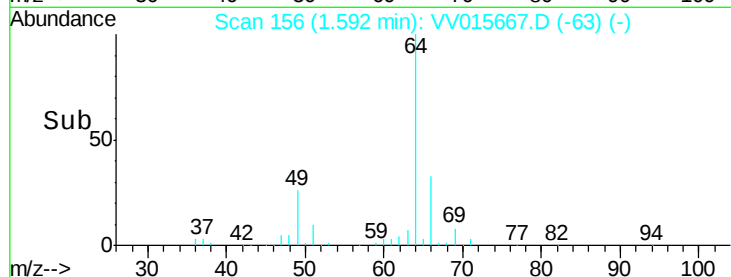
Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015667.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.165 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015667.D

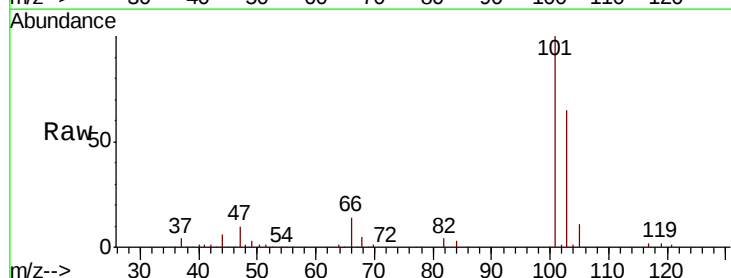
Acq: 24 Apr 2020 09:53

Tgt Ion:101 Resp: 79843

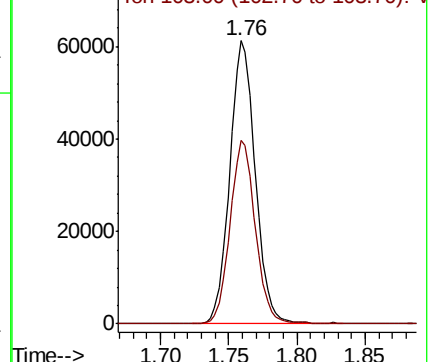
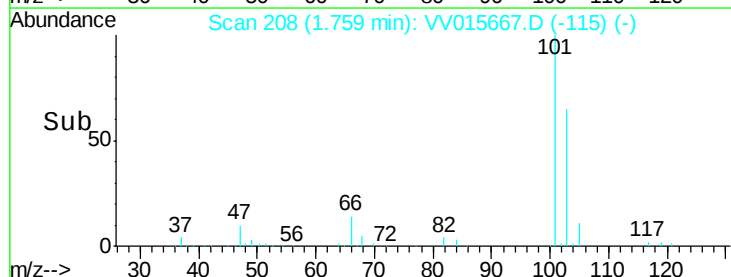
Ion Ratio Lower Upper

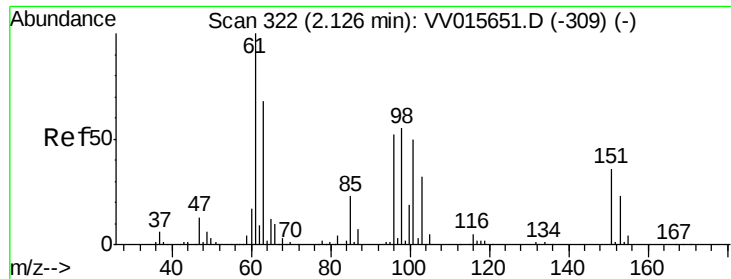
101 100

103 64.3 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015667.D (-115) (-)





#10

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

Concen: 5.180 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

ClientSampled :

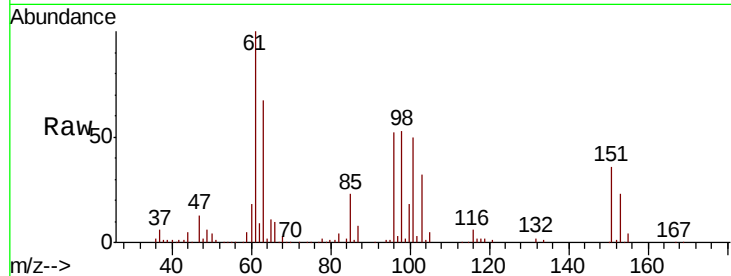
Tot Ion:101 Resp: 45300

Ion Ratio Lower Upper

101 100

85 45.4 36.1 54.1

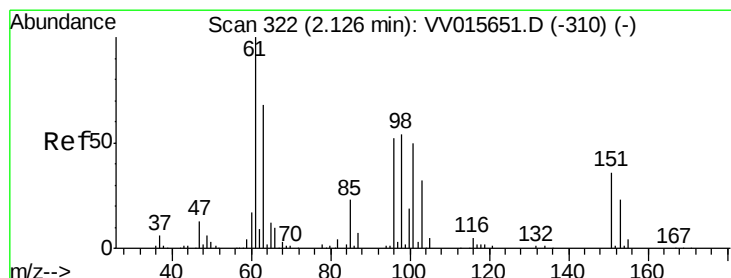
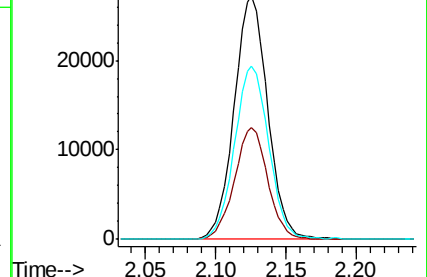
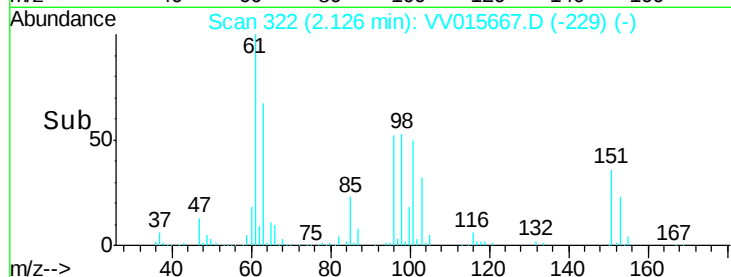
151 72.5 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015667.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015667.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015667.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.083 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

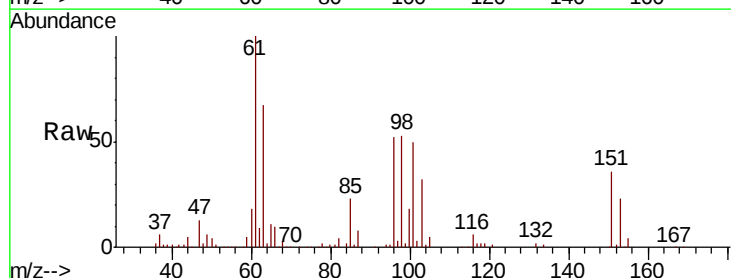
Tgt Ion: 96 Resp: 41174

Ion Ratio Lower Upper

96 100

61 191.0 130.1 241.7

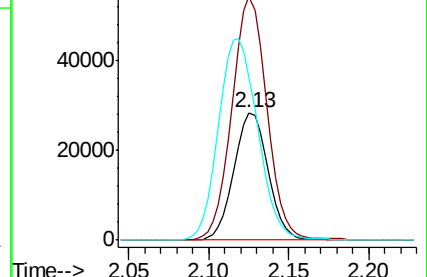
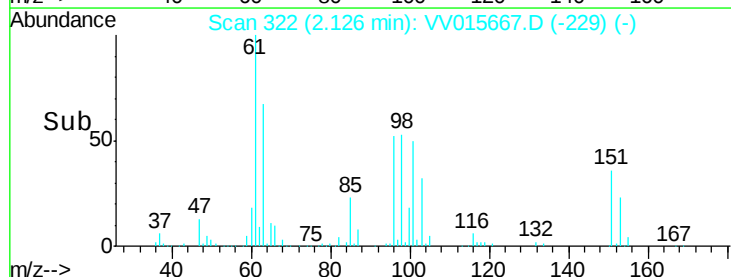
63 128.0 91.4 169.8

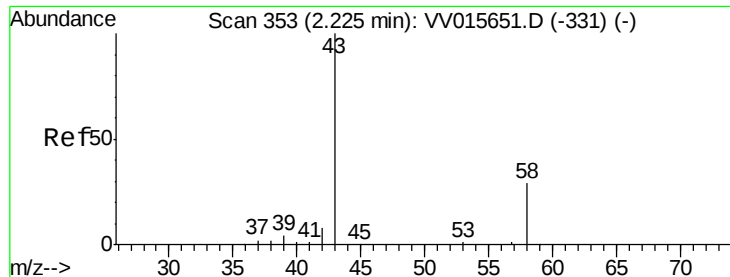


Abundance Ion 96.00 (95.70 to 96.70): VV015667.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015667.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015667.D (-229) (-)





#13

Acetone

Concen: 54.562 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

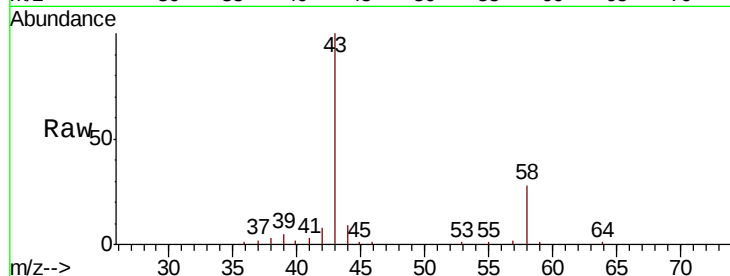
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 88480

Ion Ratio Lower Upper

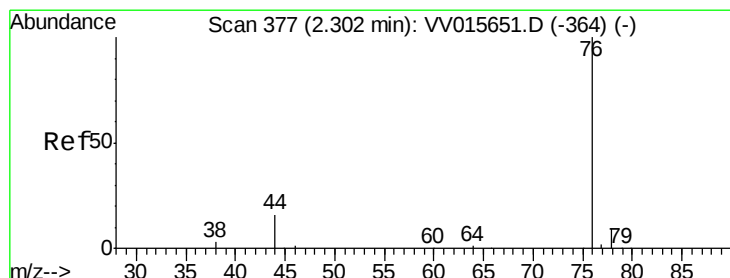
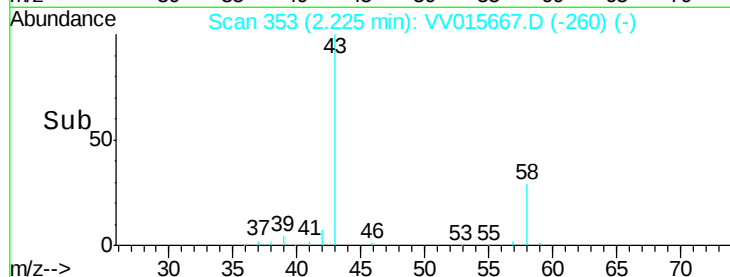
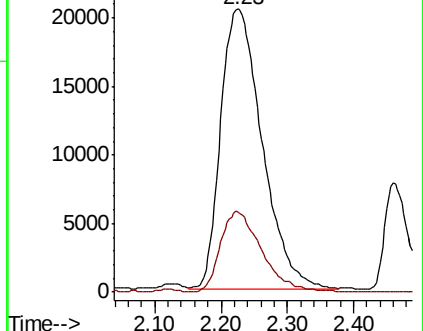
43 100

58 28.7 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015651.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV015651.D (-331) (-)



#14

Carbon disulfide

Concen: 5.100 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015667.D

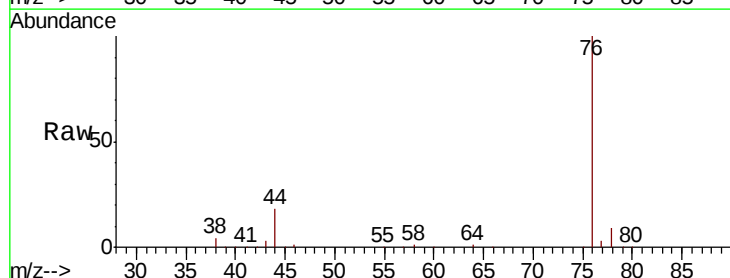
Acq: 24 Apr 2020 09:53

Tgt Ion: 76 Resp: 116774

Ion Ratio Lower Upper

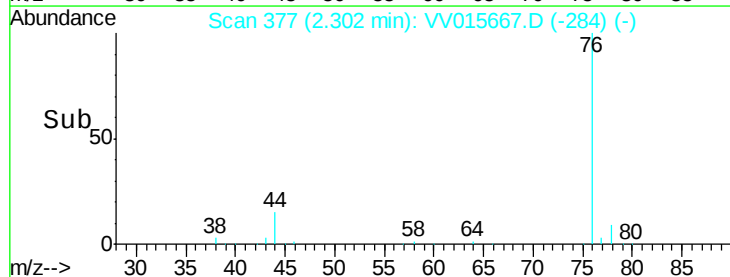
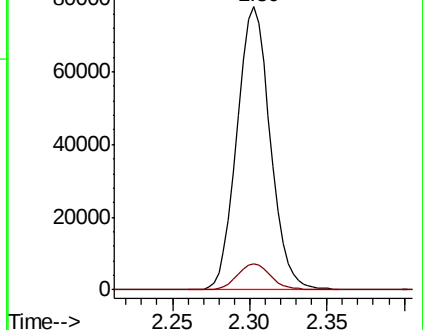
76 100

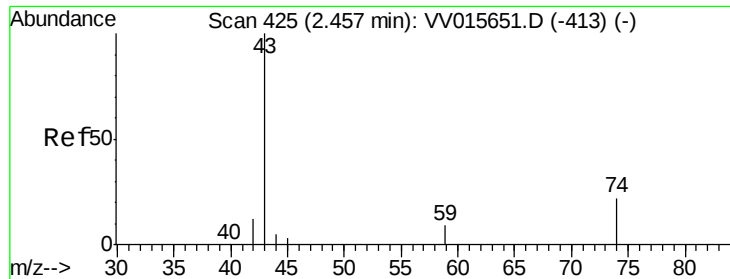
78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015651.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV015651.D (-364) (-)

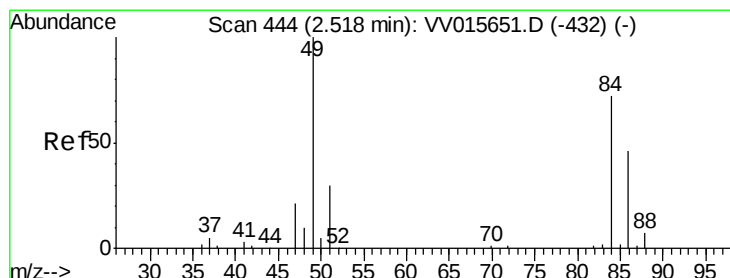
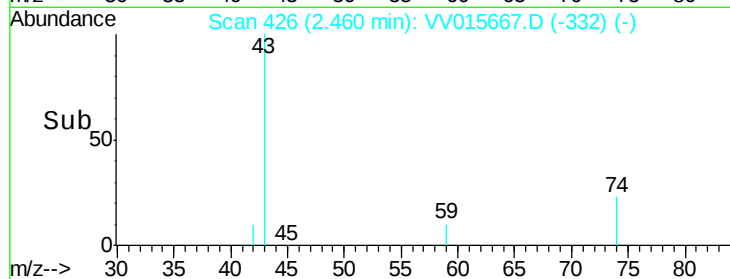
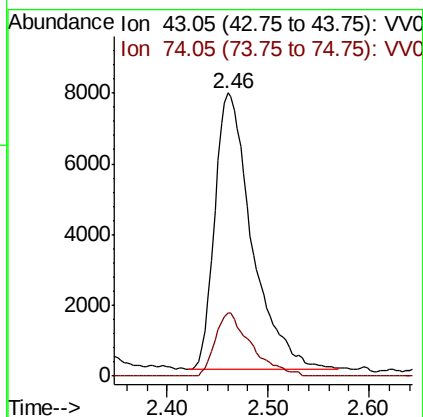
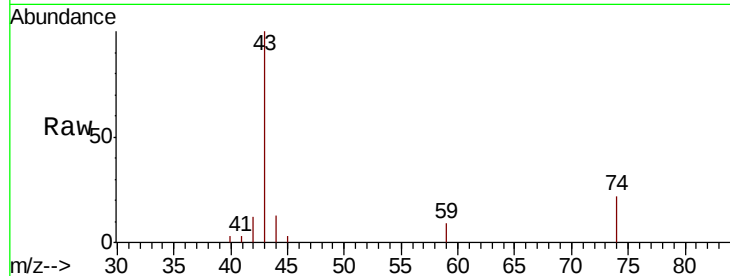




#15
Methvl Acetate
Concen: 5.211 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

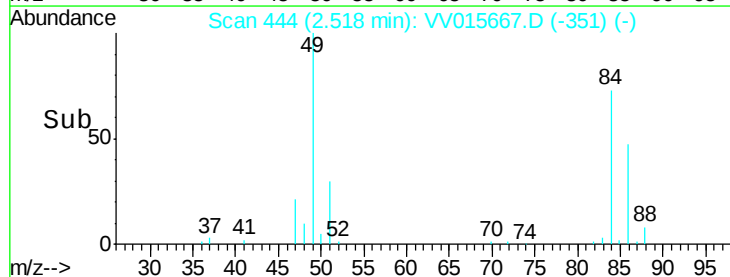
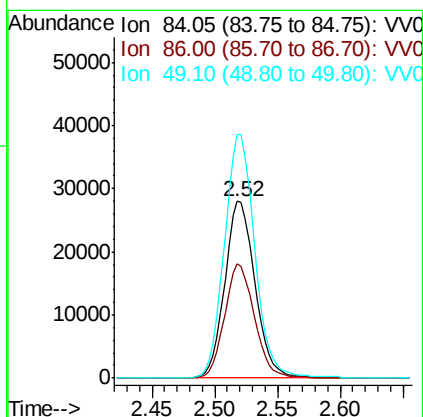
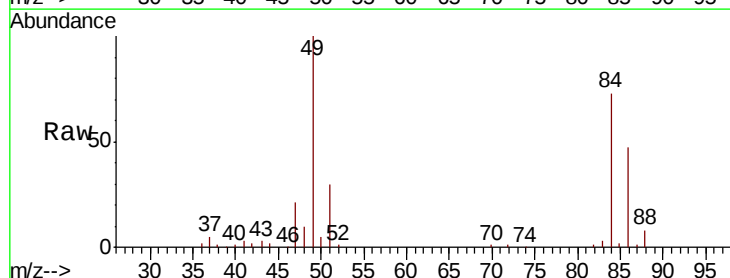
Instrument :
MSVOA_V
ClientSampleId :

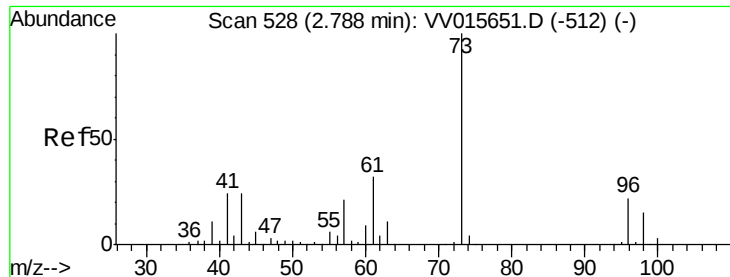
Tot Ion: 43 Resp: 20096
Ion Ratio Lower Upper
43 100
74 22.2 16.3 24.5



#16
Methylene chloride
Concen: 4.712 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Tgt Ion: 84 Resp: 47120
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.7
49 137.3 94.4 175.4

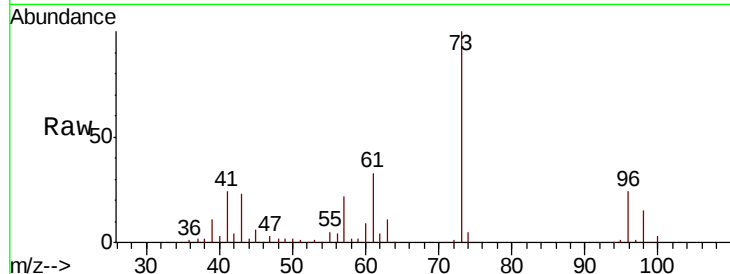




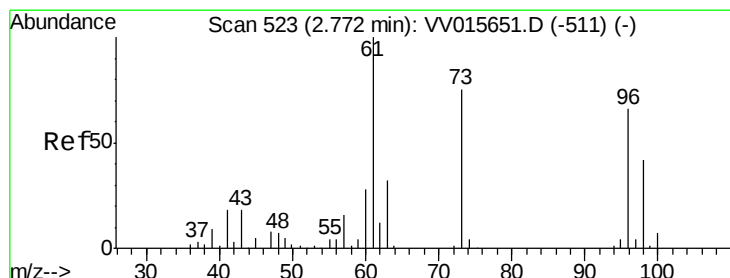
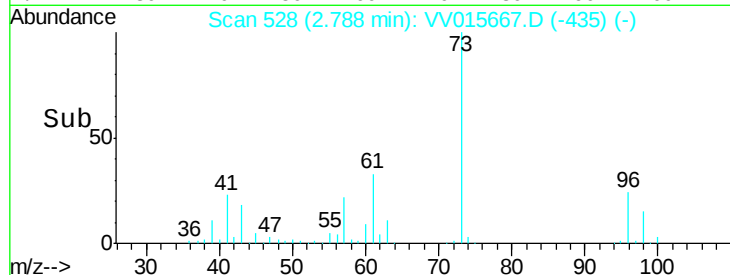
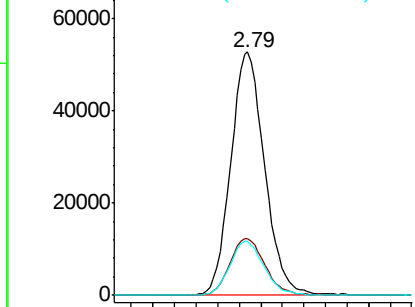
#17
Methvl tert-butvl Ether
Concen: 5.071 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 115307
Ion Ratio Lower Upper
73 100
43 23.6 20.1 30.1
57 22.6 17.8 26.8

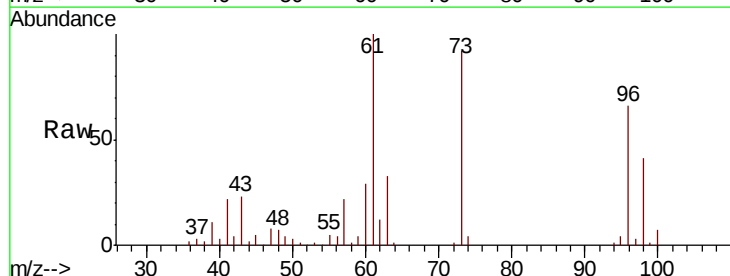


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

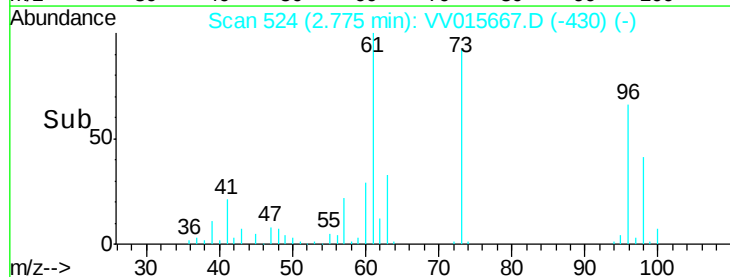
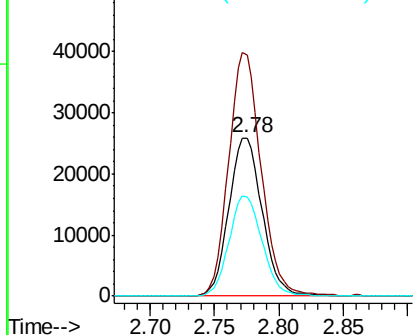


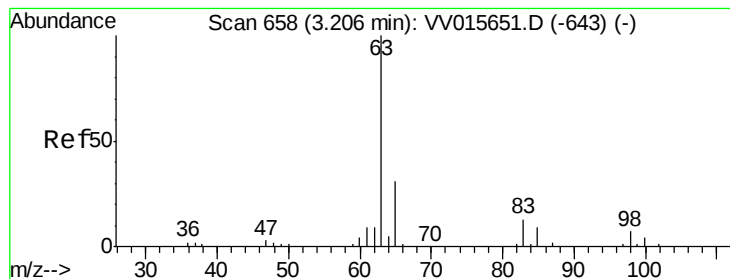
#18
trans-1,2-Dichloroethene
Concen: 5.133 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Tgt Ion: 96 Resp: 46553
Ion Ratio Lower Upper
96 100
61 152.1 105.5 195.9
98 62.9 44.2 82.0



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: 5.120 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

ClientSampled :

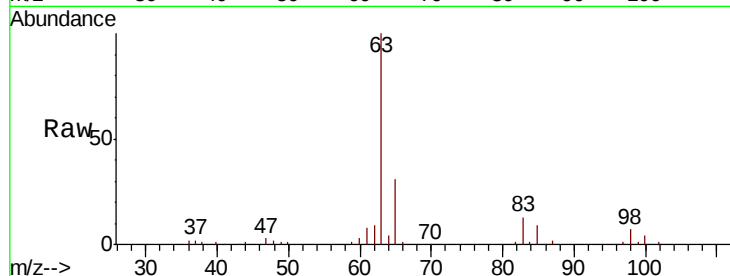
Tot Ion: 63 Resp: 91182

Ion Ratio Lower Upper

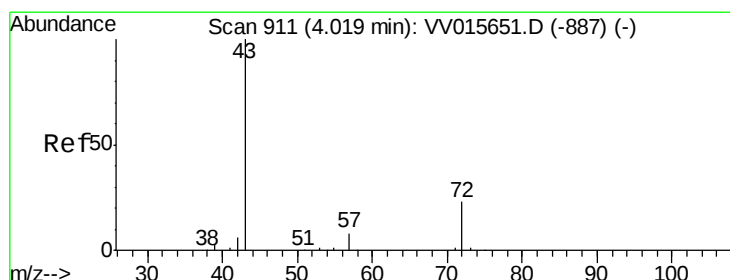
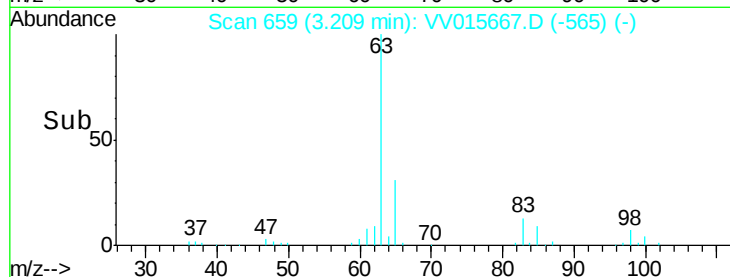
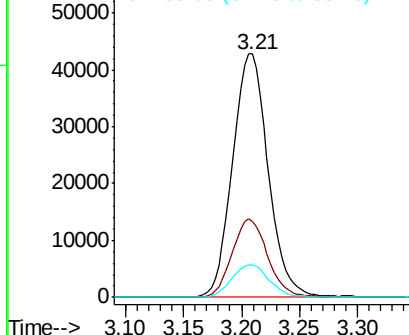
63 100

65 31.4 22.3 41.3

83 13.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 52.798 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV015667.D

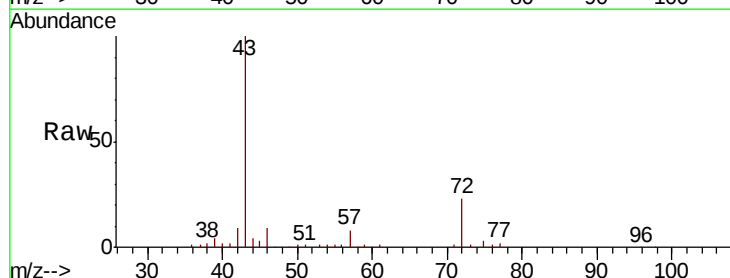
Acq: 24 Apr 2020 09:53

Tgt Ion: 43 Resp: 132066

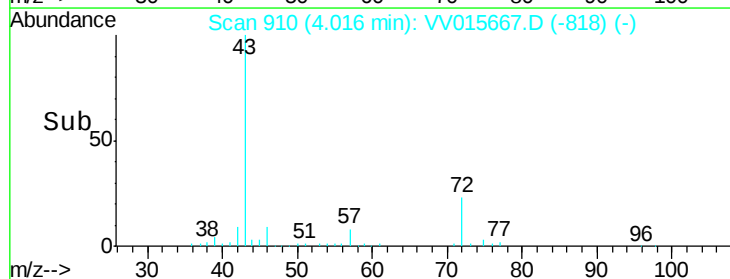
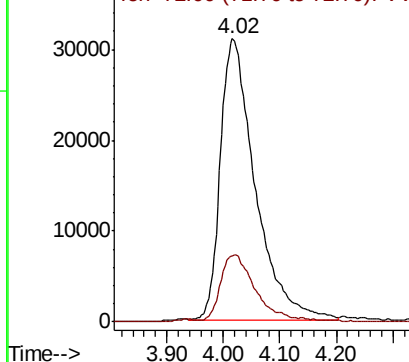
Ion Ratio Lower Upper

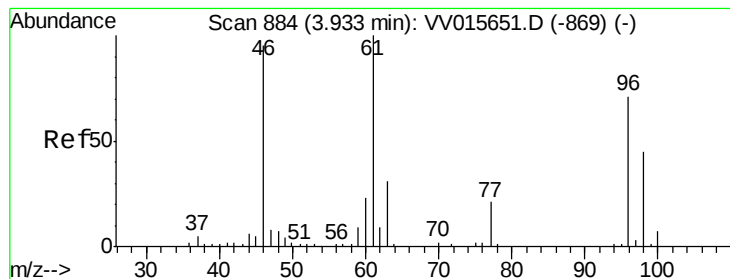
43 100

72 22.9 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



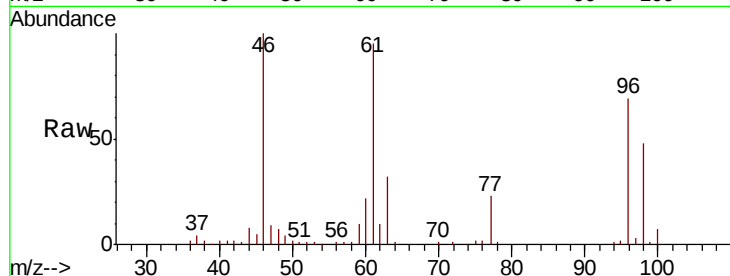


#22

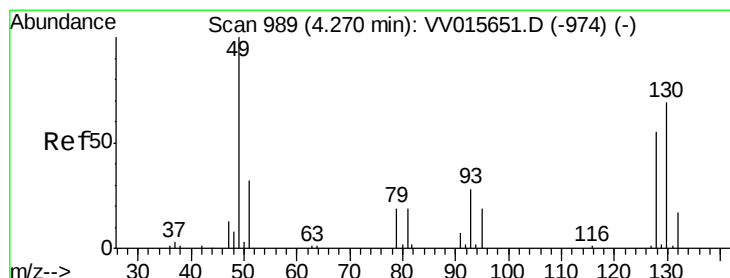
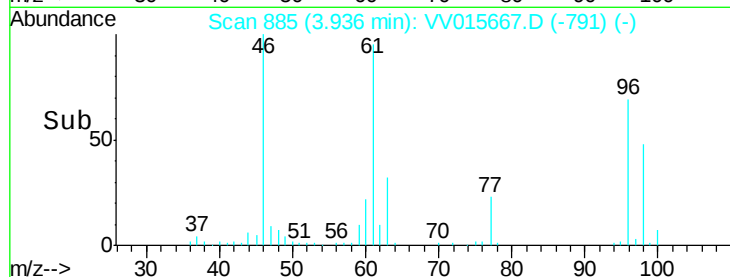
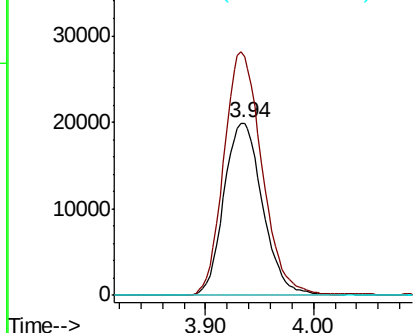
cis-1,2-Dichloroethene
 Concen: 4.967 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 49811
 Ion Ratio Lower Upper
 96 100
 61 138.2 96.4 179.0
 68 0.0 0.0 0.0



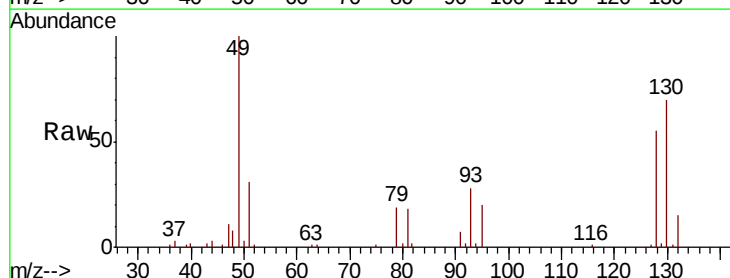
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



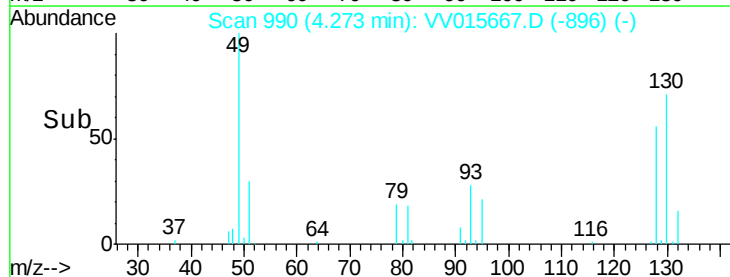
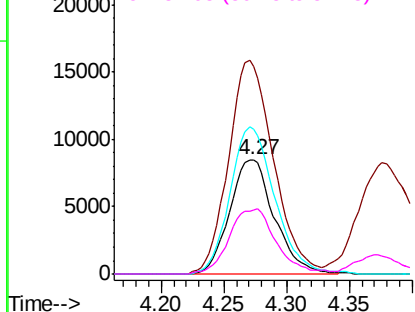
#23

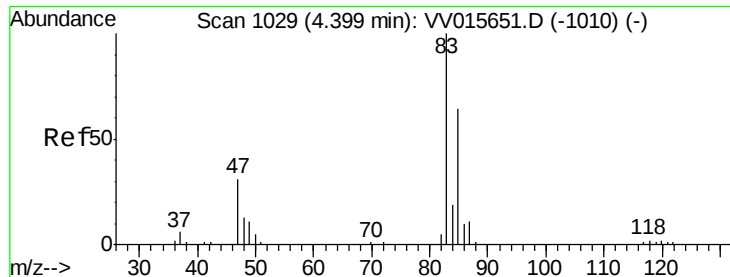
Bromochloromethane
 Concen: 5.116 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion: 128 Resp: 20956
 Ion Ratio Lower Upper
 128 100
 49 180.9 130.8 242.8
 130 126.8 91.1 169.3
 51 56.2 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

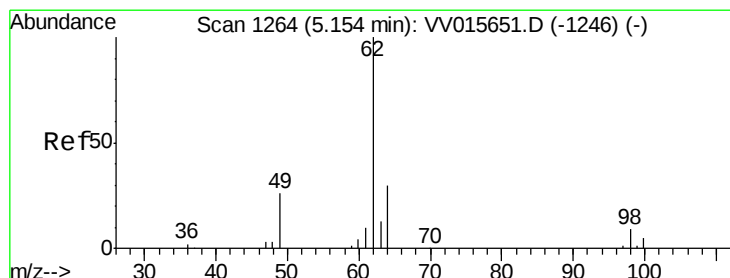
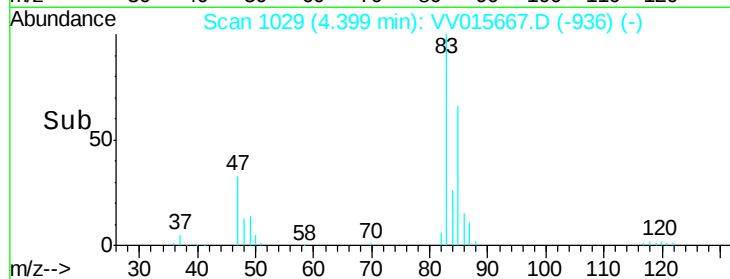
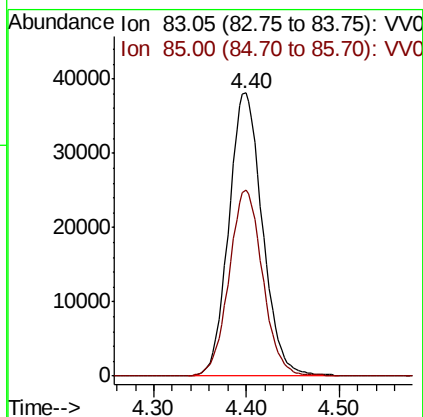
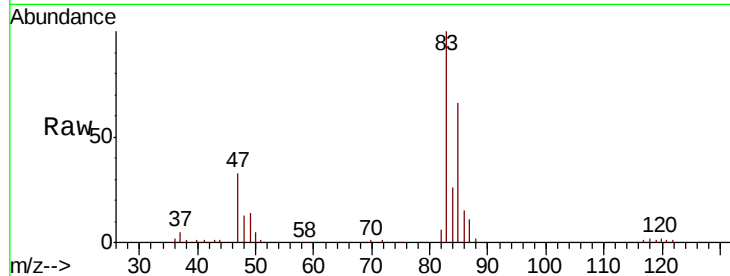




#25
Chloroform
Concen: 5.083 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

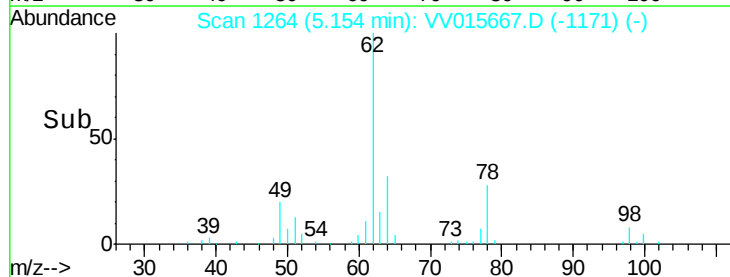
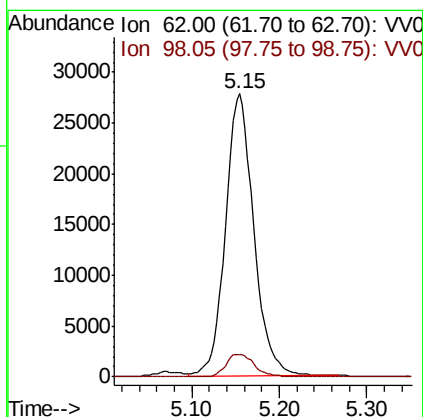
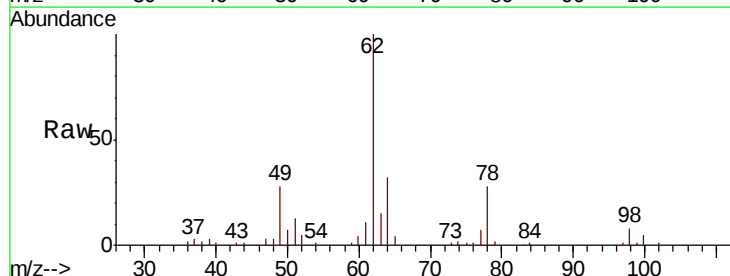
Instrument :
MSVOA_V
ClientSampleId :

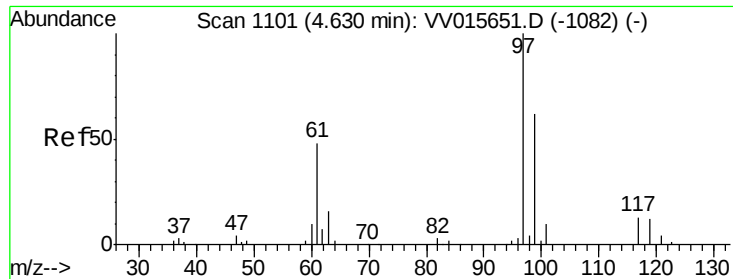
Tot Ion: 83 Resp: 96104
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.053 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Tgt Ion: 62 Resp: 62770
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5

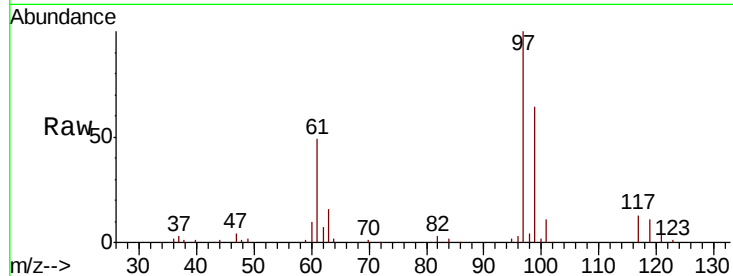




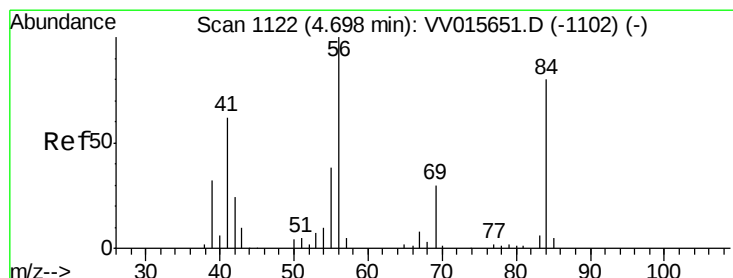
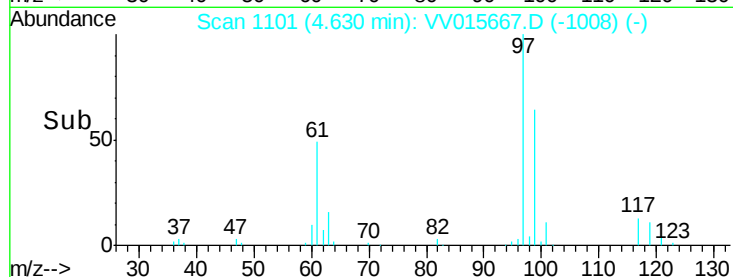
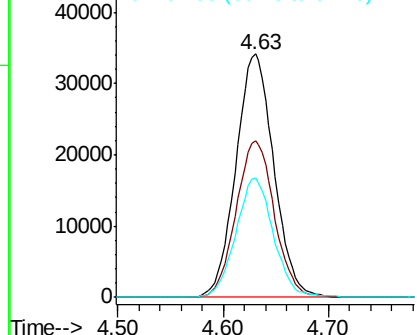
#29
1,1,1-Trichloroethane
Concen: 5.121 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 85460
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 48.5 38.6 57.8

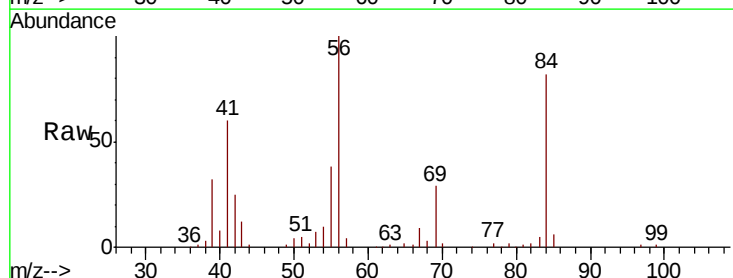


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

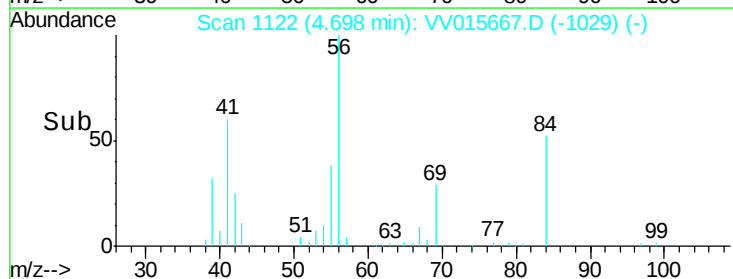
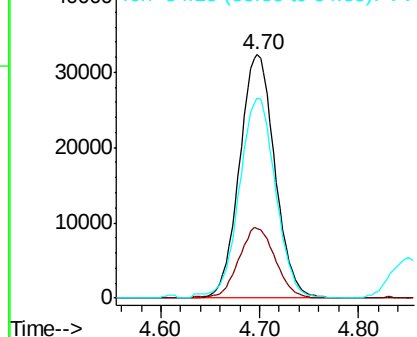


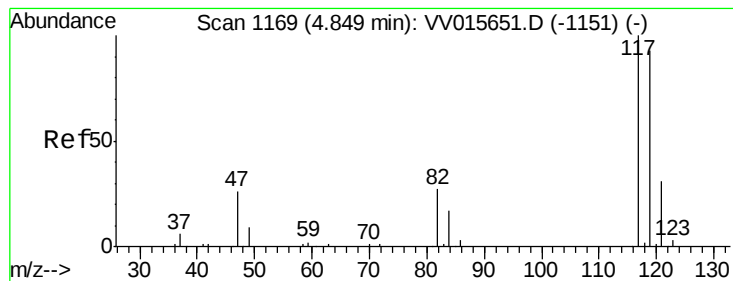
#30
Cyclohexane
Concen: 5.031 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Tgt Ion: 56 Resp: 80210
Ion Ratio Lower Upper
56 100
69 29.6 23.9 35.9
84 84.3 66.9 100.3



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: 5.184 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

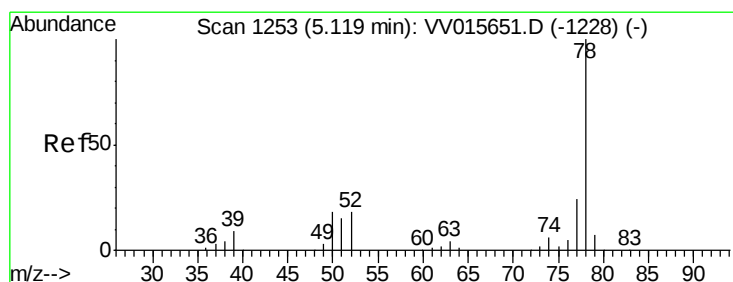
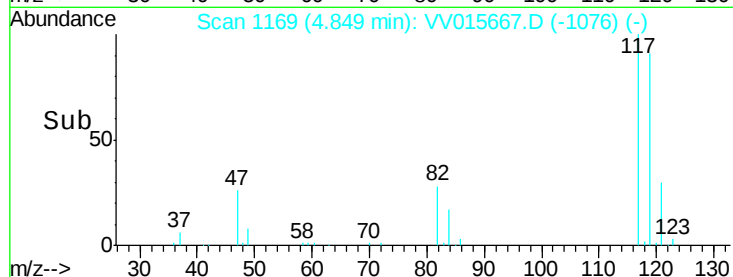
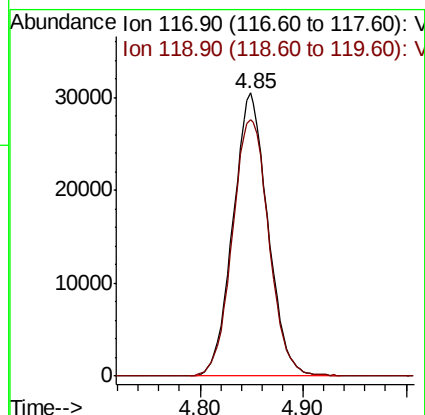
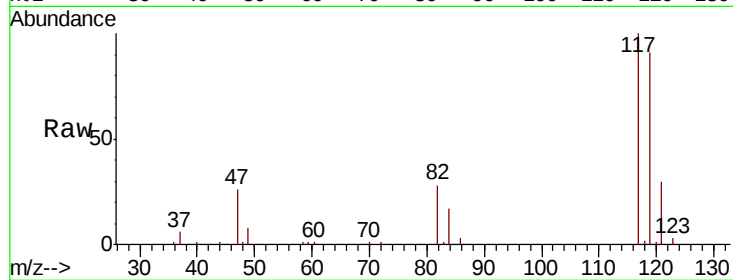
ClientSampleId :

Tot Ion:117 Resp: 71644

Ion Ratio Lower Upper

117 100

119 94.8 75.6 113.4



#33

Benzene

Concen: 5.103 ug/L

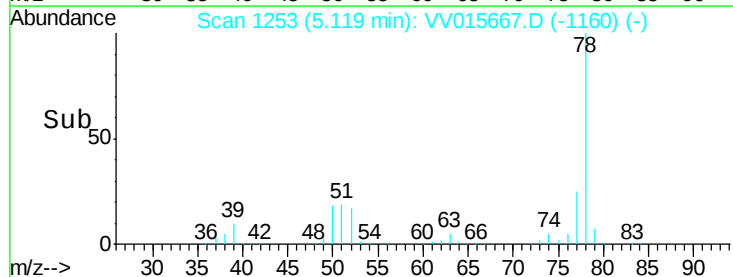
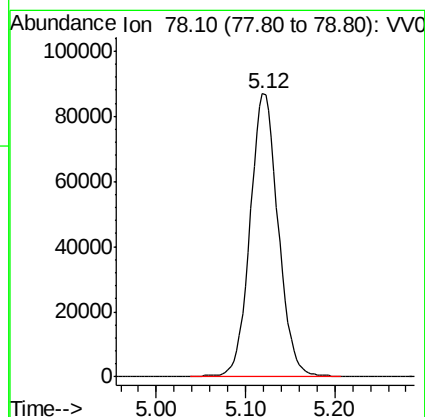
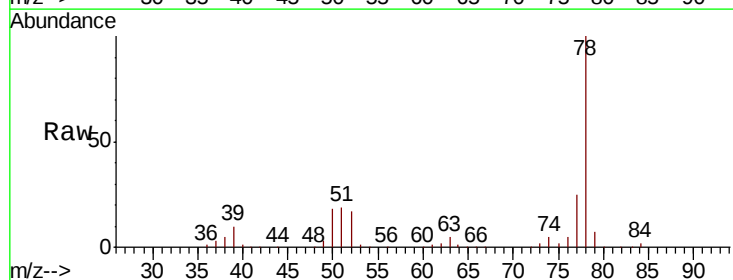
RT: 5.12 min Scan# 1253

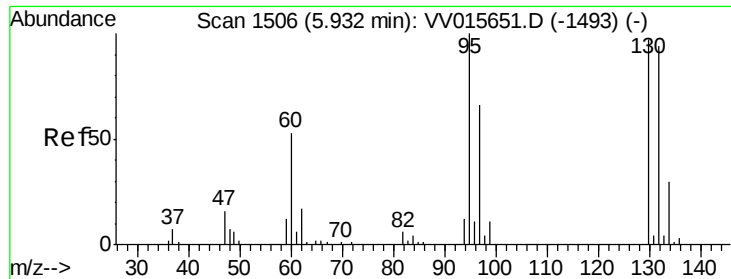
Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Tgt Ion: 78 Resp: 191833

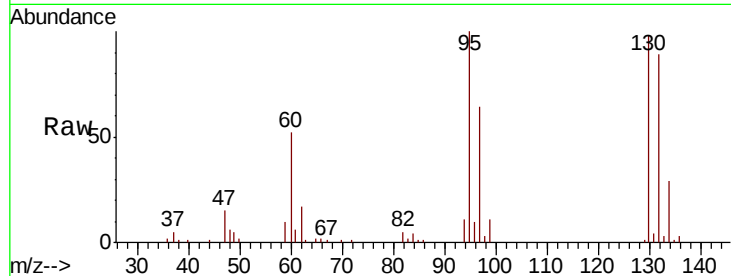




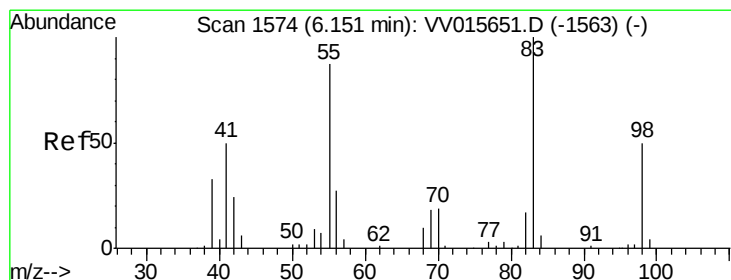
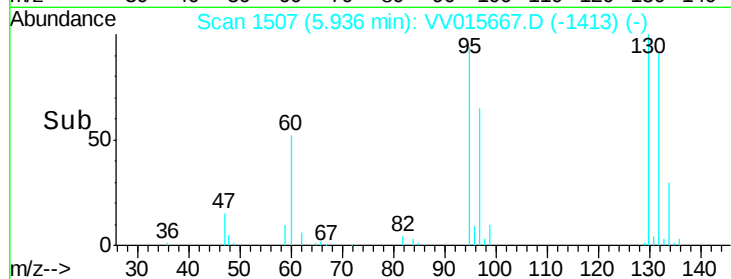
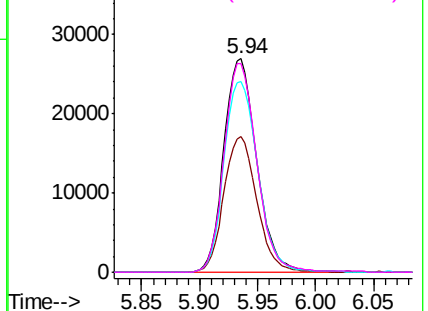
#34
 Trichloroethene
 Concen: 5.097 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 52919
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.7 82.9
 132 89.2 65.2 121.0
 130 97.6 65.0 120.6

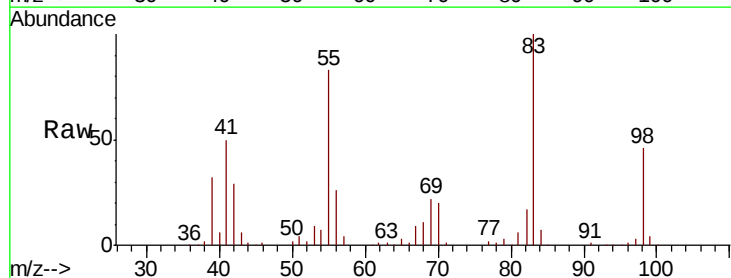


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

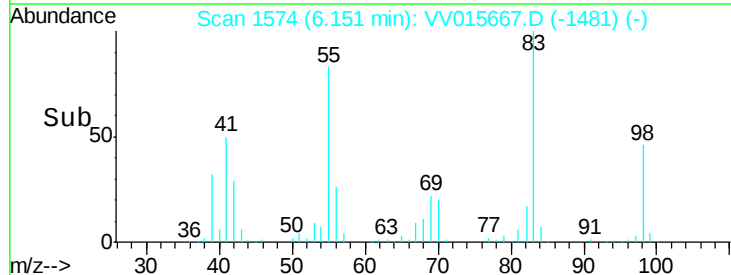
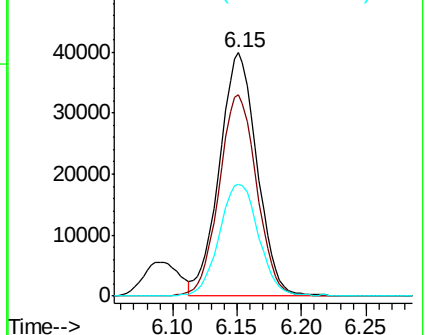


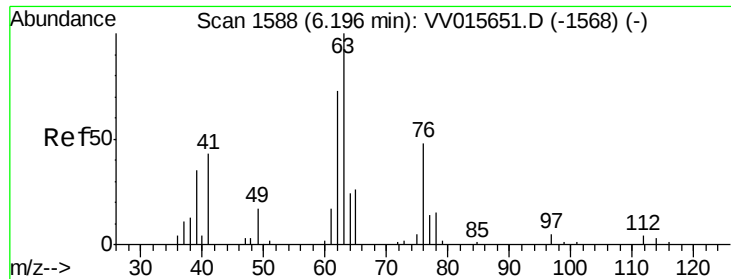
#35
 Methylcyclohexane
 Concen: 5.081 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion: 83 Resp: 80960
 Ion Ratio Lower Upper
 83 100
 55 82.8 66.6 99.8
 98 48.1 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

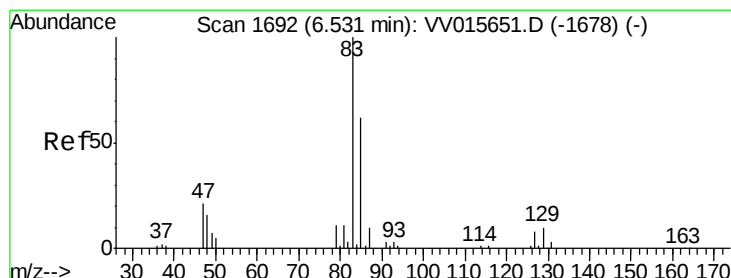
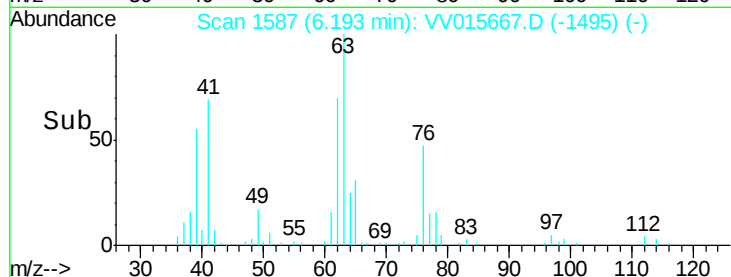
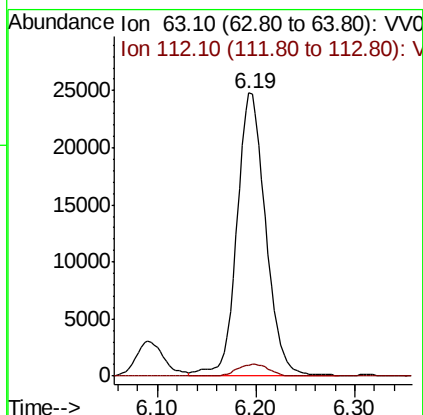
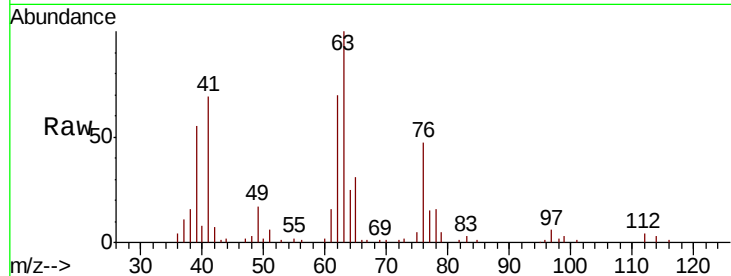




#37
 1,2-Dichloropropane
 Concen: 5.258 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

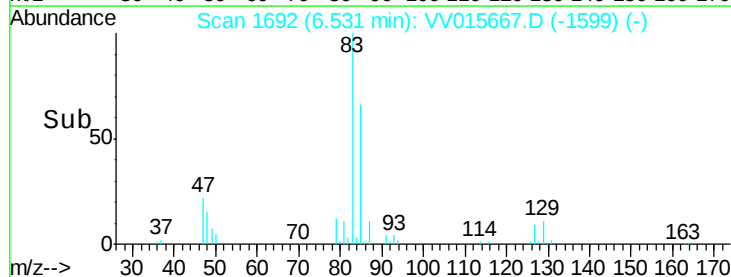
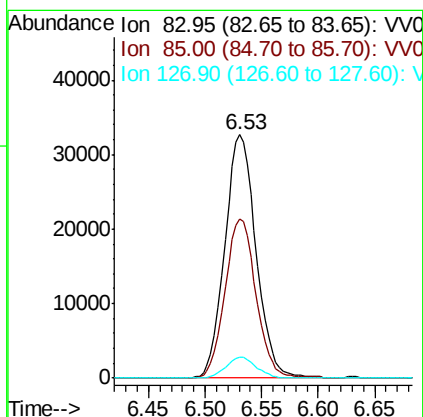
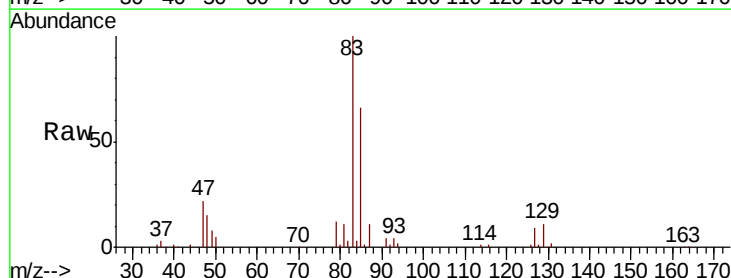
Instrument :
 MSVOA_V
 ClientSampled :

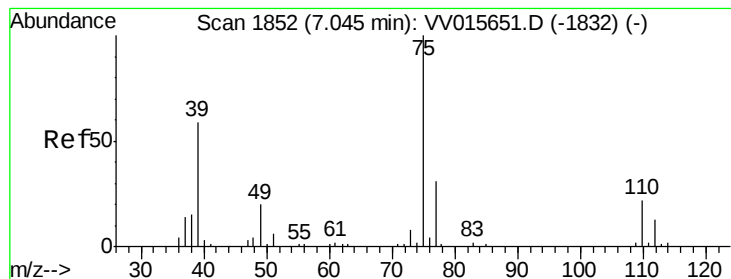
Tot Ion: 63 Resp: 50244
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.177 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion: 83 Resp: 62823
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.7 83.1
 127 8.7 5.8 8.6#



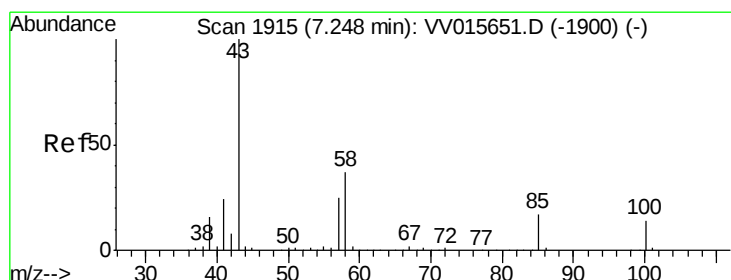
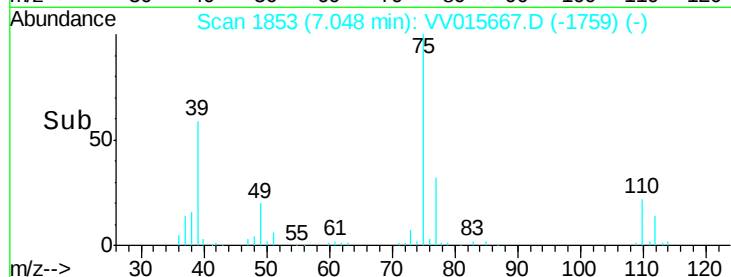
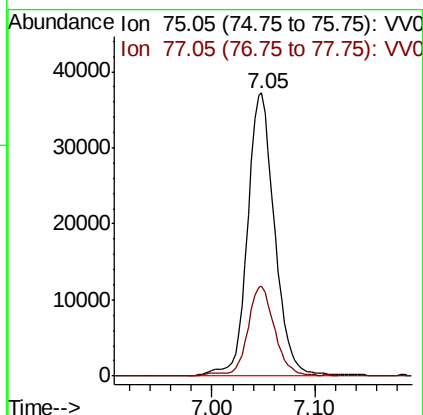
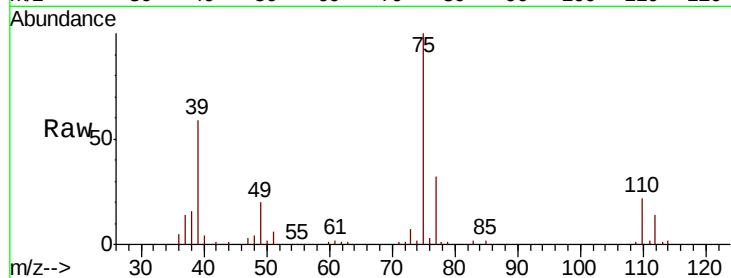


#39

cis-1,3-Dichloropropene
 Concen: 5.101 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :

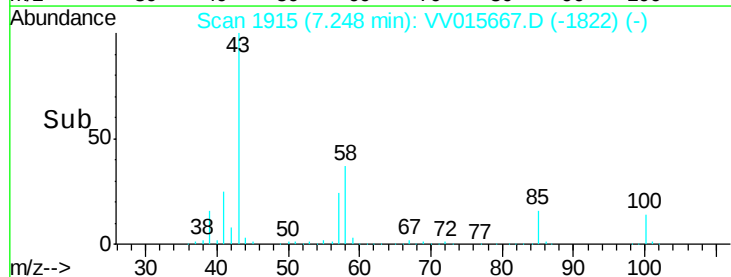
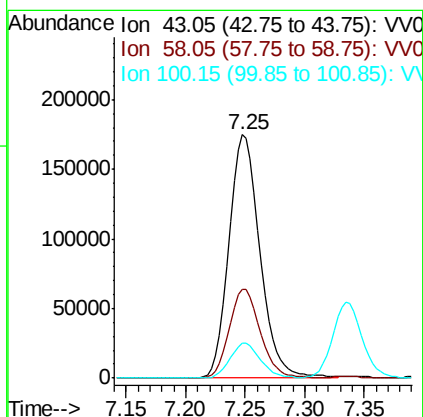
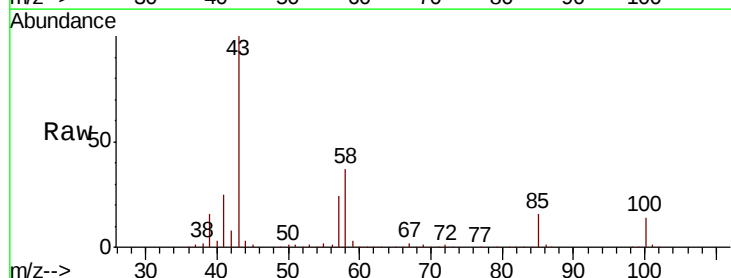
Tot Ion: 75 Resp: 67949
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5

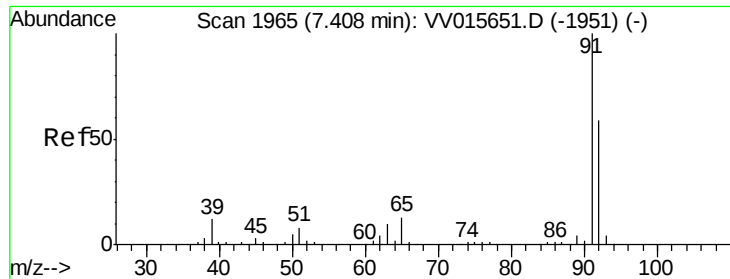


#40

4-Methyl-2-pentanone
 Concen: 51.043 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion: 43 Resp: 316559
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.2 43.8
 100 14.1 11.4 17.2





#42

Toluene

Concen: 5.188 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

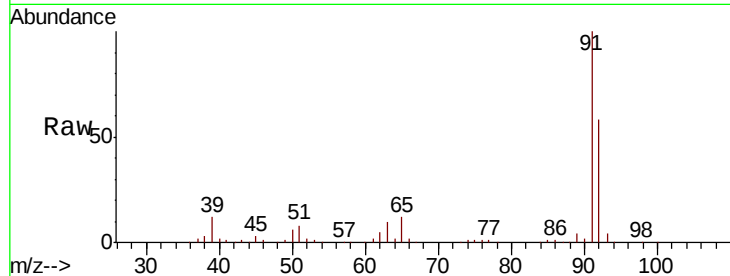
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 208398

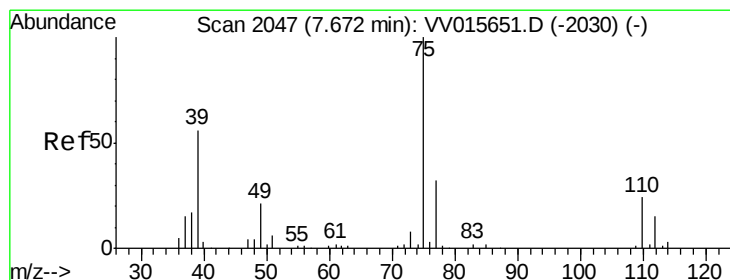
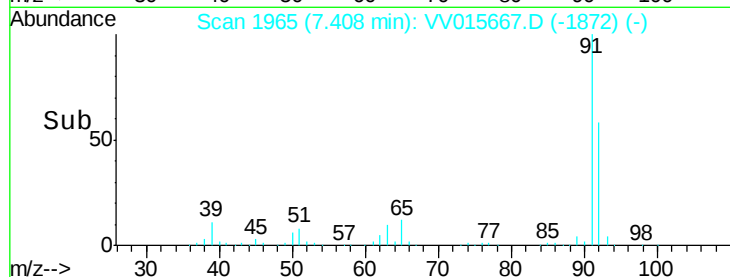
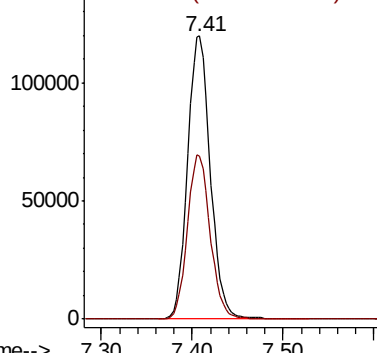
Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.203 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015667.D

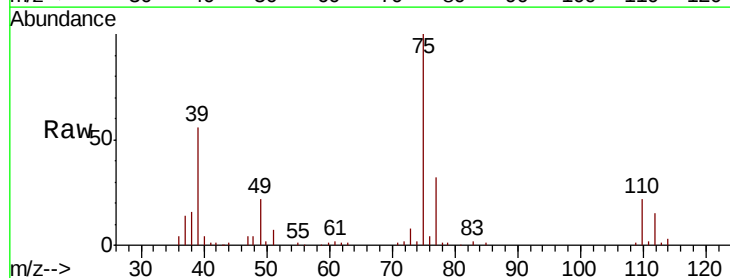
Acq: 24 Apr 2020 09:53

Tgt Ion: 75 Resp: 58237

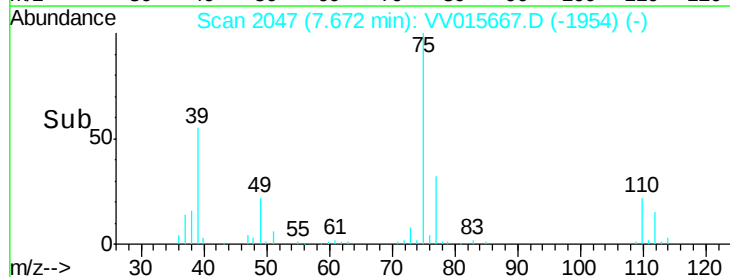
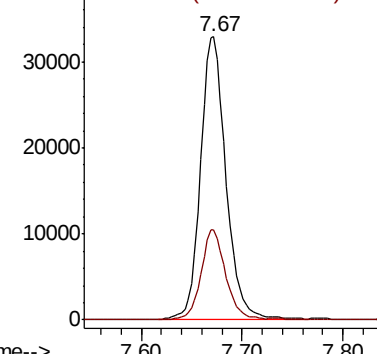
Ion Ratio Lower Upper

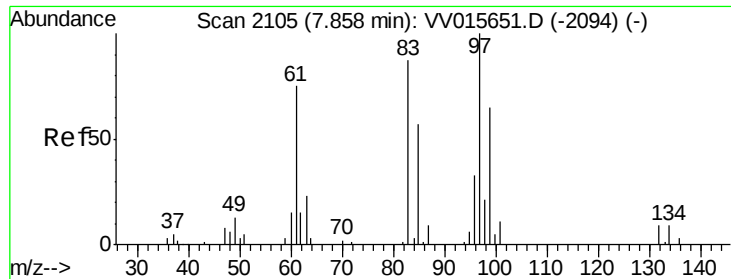
75 100

77 31.7 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

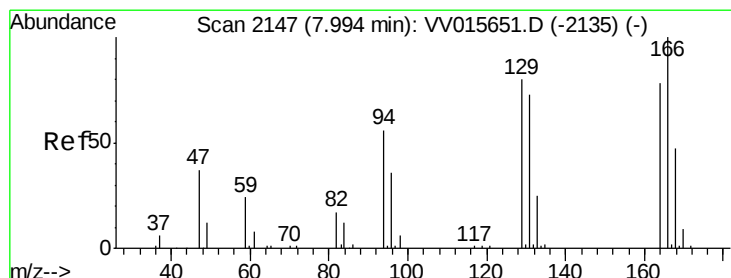
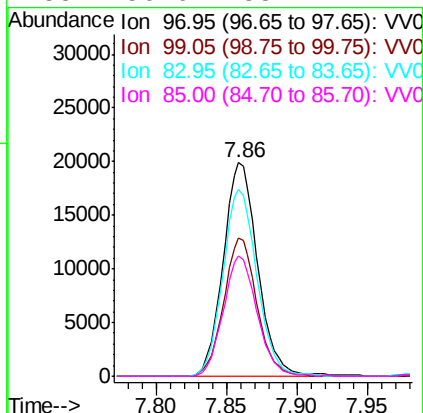
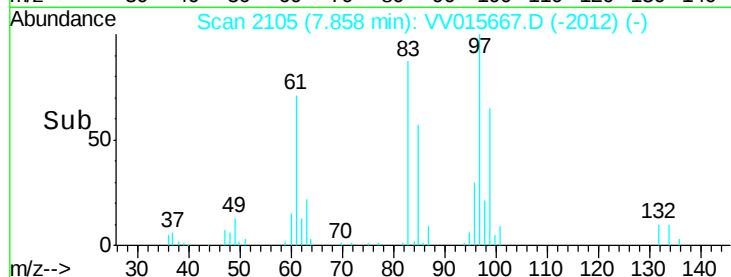
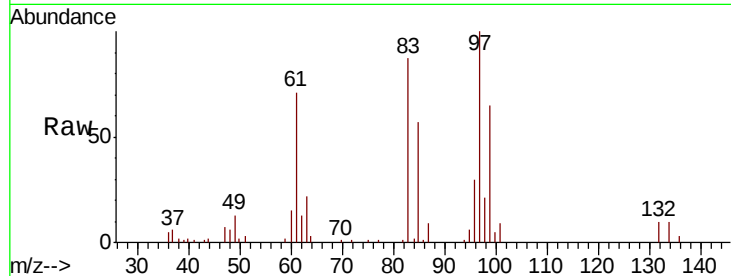




#45
 1,1,2-Trichloroethane
 Concen: 5.198 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

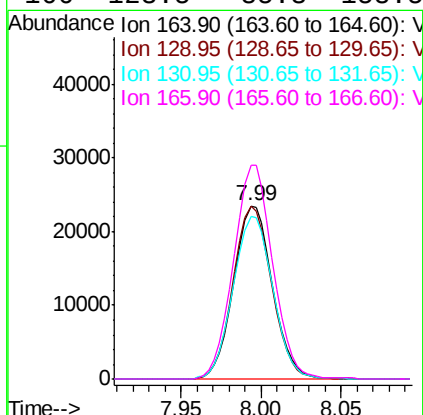
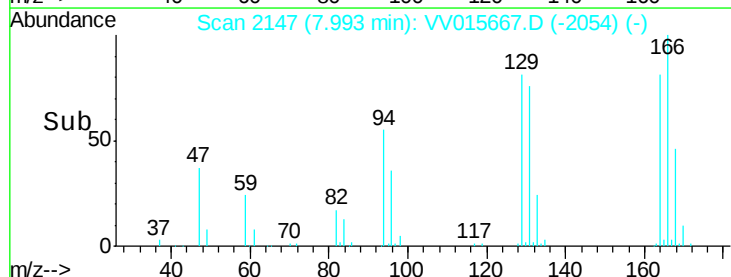
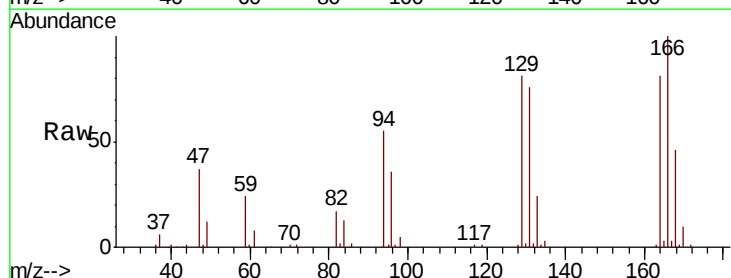
Instrument :
 MSVOA_V
 ClientSampleId :

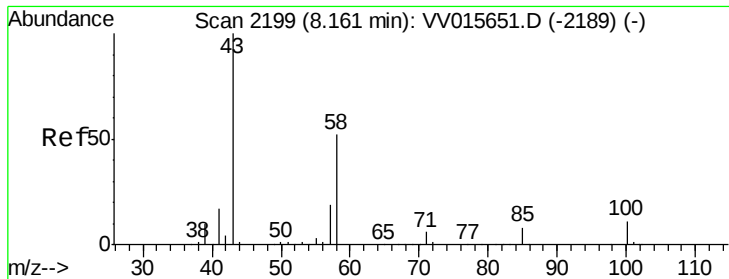
Tot Ion:	97	Resp:	33854
Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.4	84.4
83	87.5	61.3	113.9
85	56.6	38.4	71.4



#47
 Tetrachloroethene
 Concen: 5.171 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion:	164	Resp:	38653
Ion	Ratio	Lower	Upper
164	100		
129	99.7	66.7	123.9
131	93.7	66.6	123.6
166	123.5	85.3	158.5

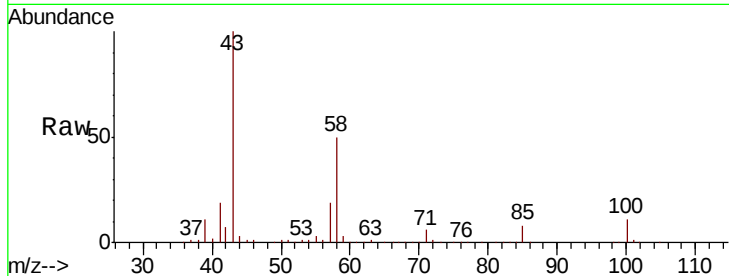




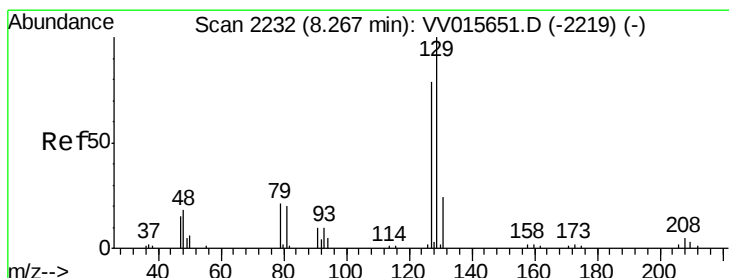
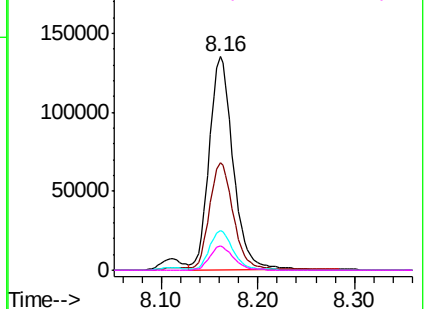
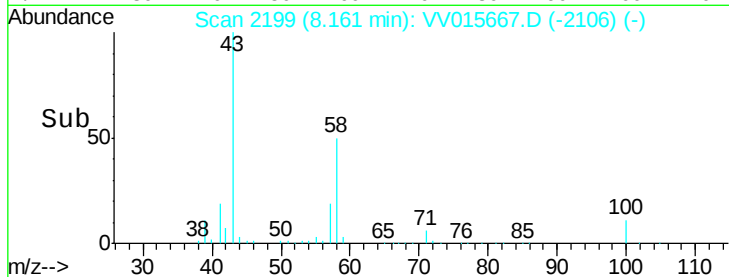
#48
2-Hexanone
Concen: 52.664 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 232915
Ion Ratio Lower Upper
43 100
58 50.8 41.1 61.7
57 18.1 15.0 22.4
100 11.3 9.0 13.4

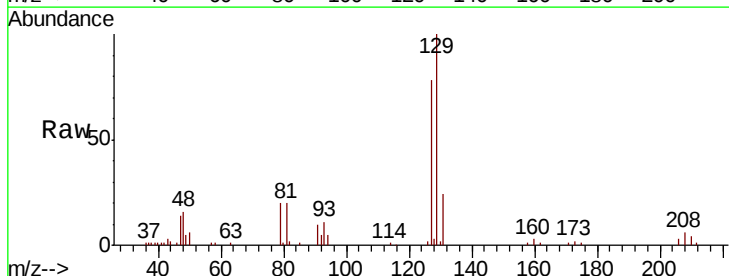


Abundance Ion 43.05 (42.75 to 43.75): VV015667.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV015667.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV015667.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV015667.D (-2106) (-)

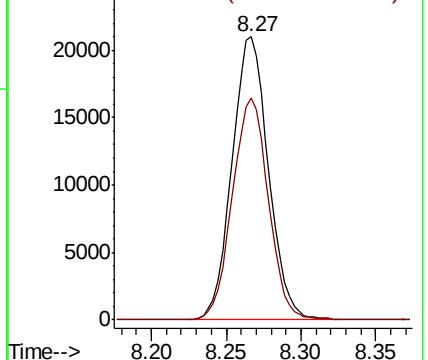
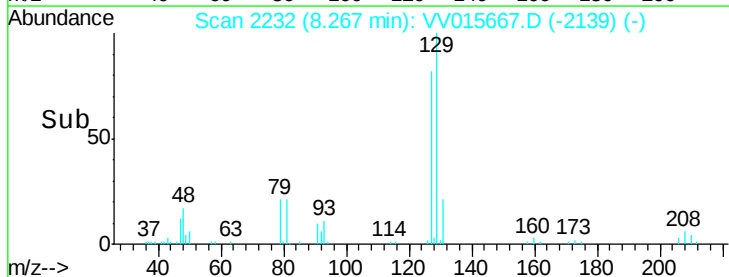


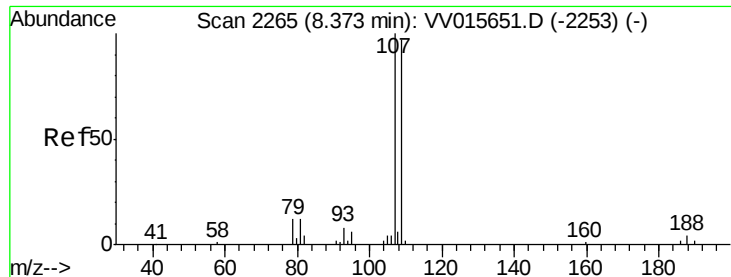
#49
Dibromochloromethane
Concen: 5.287 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Tgt Ion: 129 Resp: 35637
Ion Ratio Lower Upper
129 100
127 78.4 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015667.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015667.D (-2139) (-)

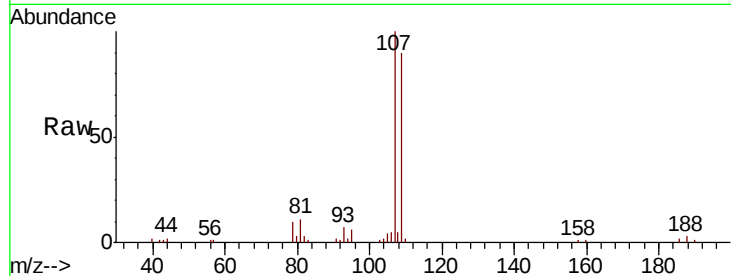




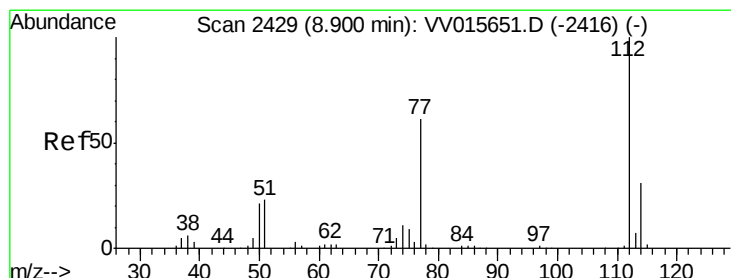
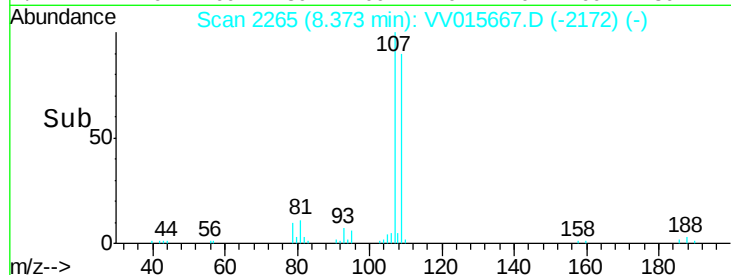
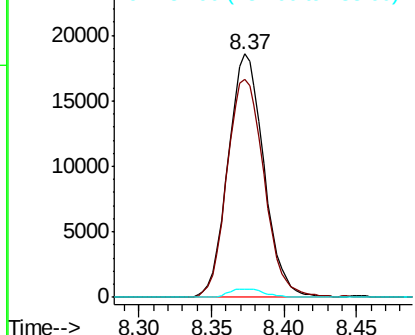
#50
 1,2-Dibromoethane
 Concen: 5.281 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 31810
 Ion Ratio Lower Upper
 107 100
 109 89.8 68.1 126.5
 188 3.3 3.2 4.8

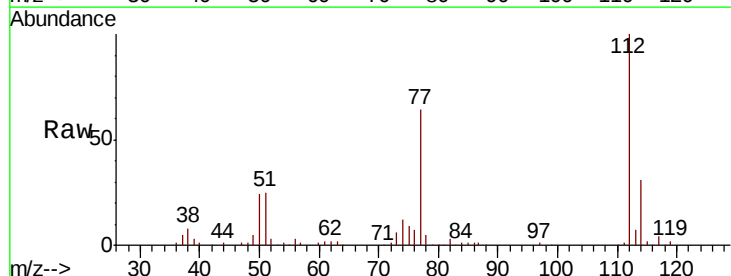


Abundance Ion 106.95 (106.65 to 107.65): V
 25000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

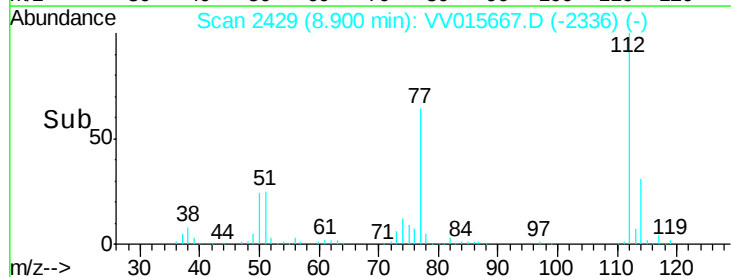
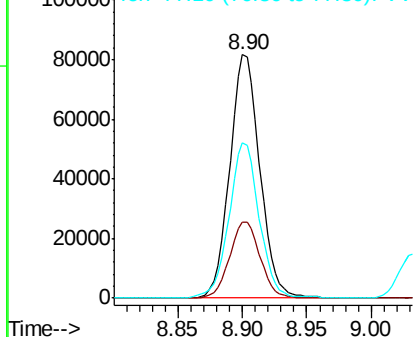


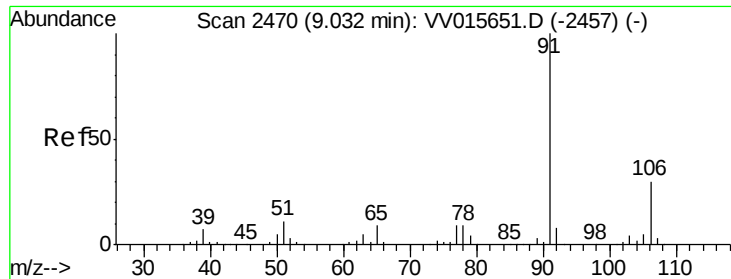
#51
 Chlorobenzene
 Concen: 5.031 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion:112 Resp: 132398
 Ion Ratio Lower Upper
 112 100
 114 31.2 21.6 40.2
 77 63.9 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V
 100000 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.123 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

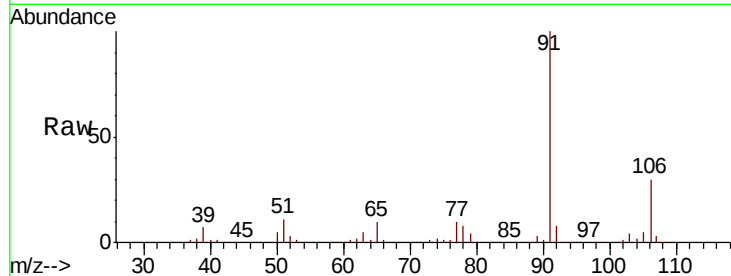
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 238165

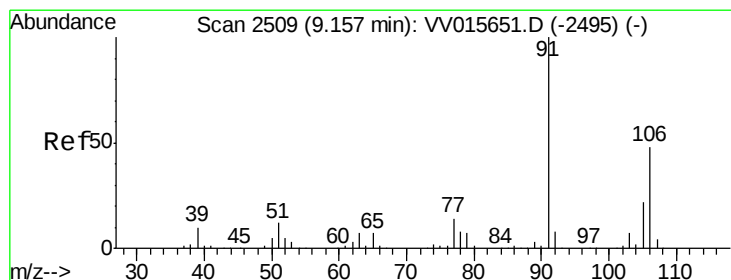
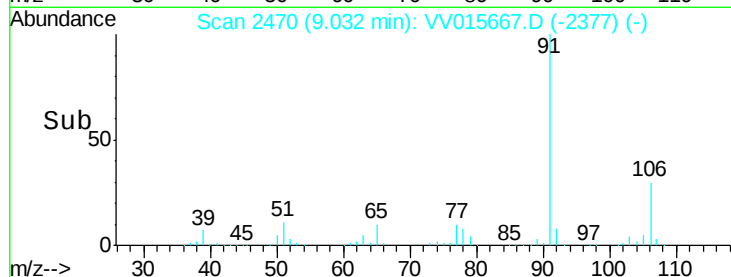
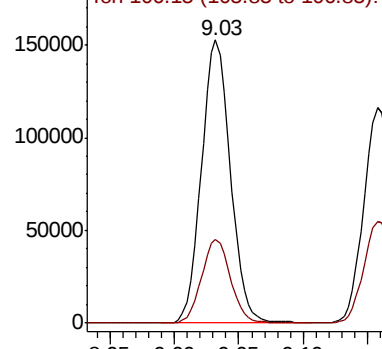
Ion Ratio Lower Upper

91 100

106 29.5 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015667.D (-2377) (-)



#53

m,p-xylene

Concen: 5.256 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015667.D

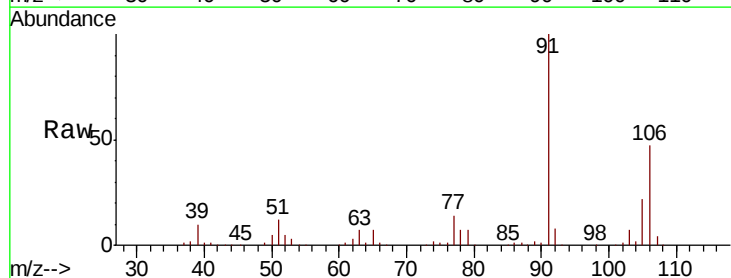
Acq: 24 Apr 2020 09:53

Tgt Ion: 106 Resp: 89497

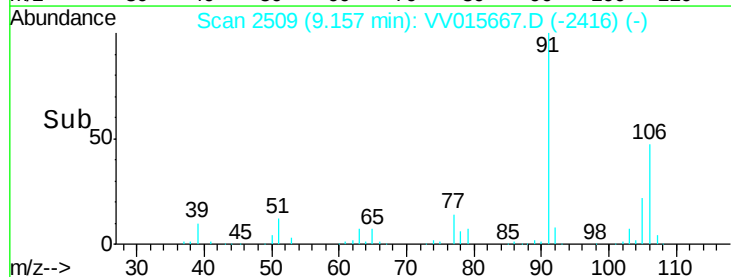
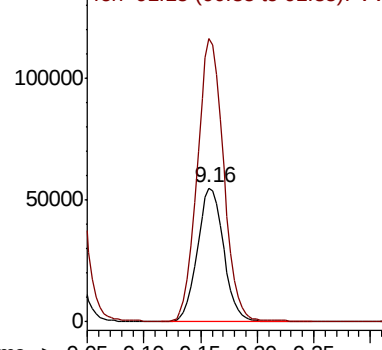
Ion Ratio Lower Upper

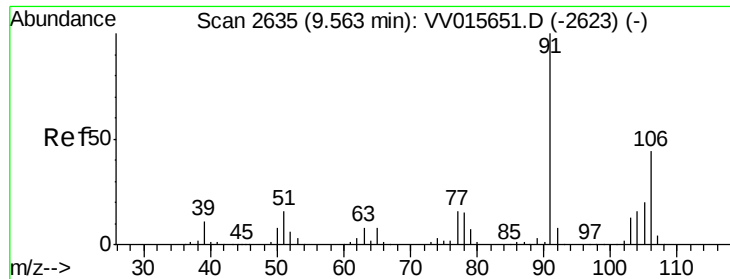
106 100

91 211.6 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015667.D (-2416) (-)

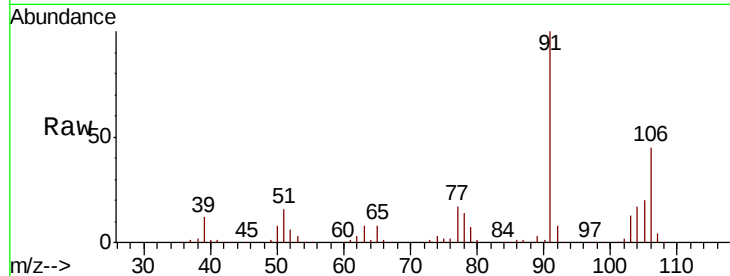




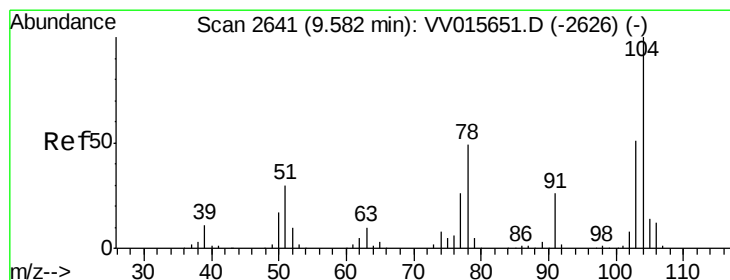
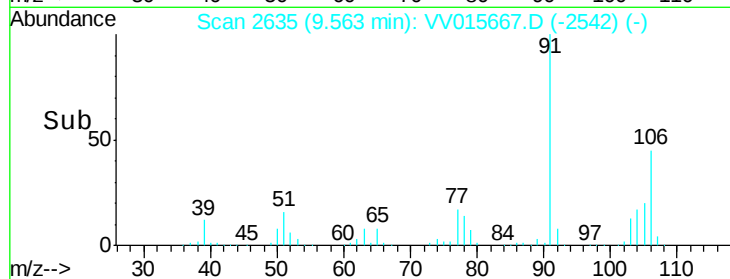
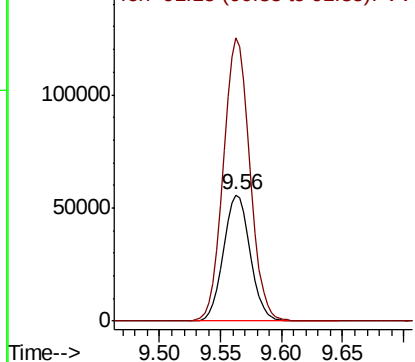
#54
o-xylene
Concen: 5.246 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 86436
Ion Ratio Lower Upper
106 100
91 223.7 159.8 296.8

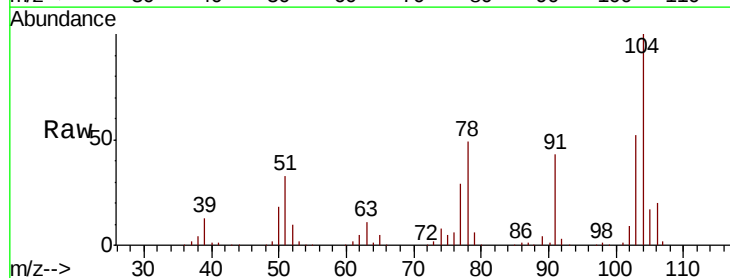


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

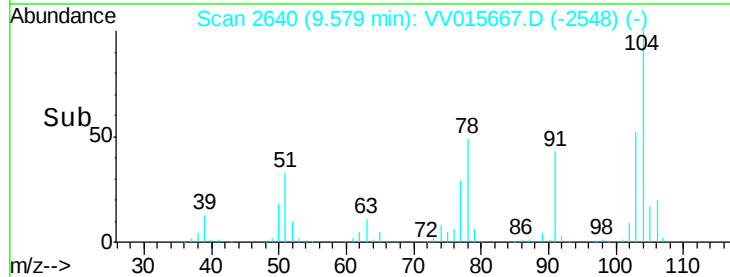
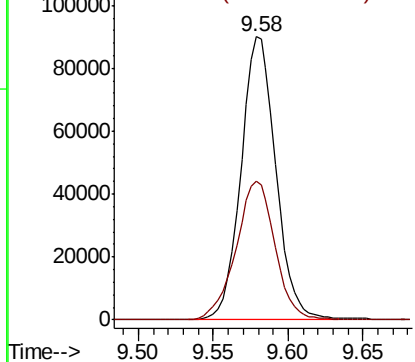


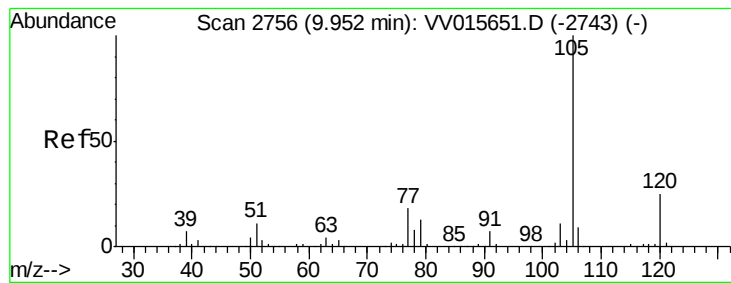
#55
Styrene
Concen: 5.212 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV015667.D
Acq: 24 Apr 2020 09:53

Tgt Ion:104 Resp: 145701
Ion Ratio Lower Upper
104 100
78 49.1 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.147 ug/L

RT: 9.95 min Scan# 2756

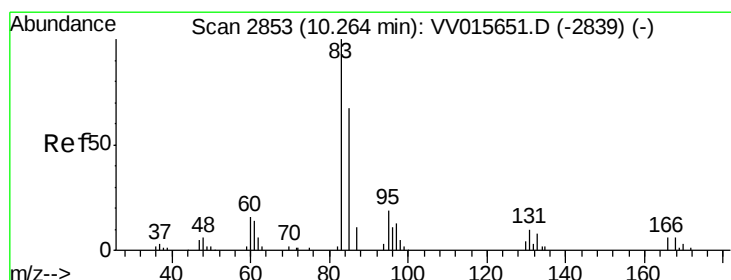
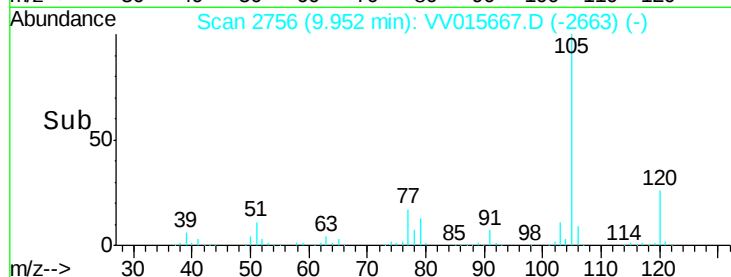
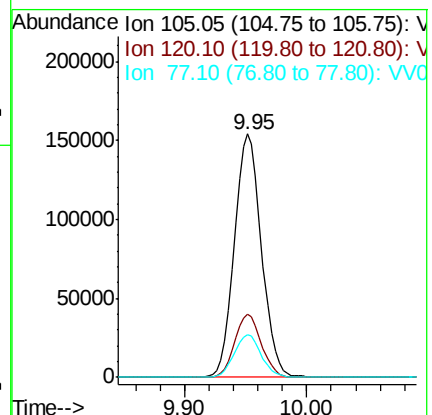
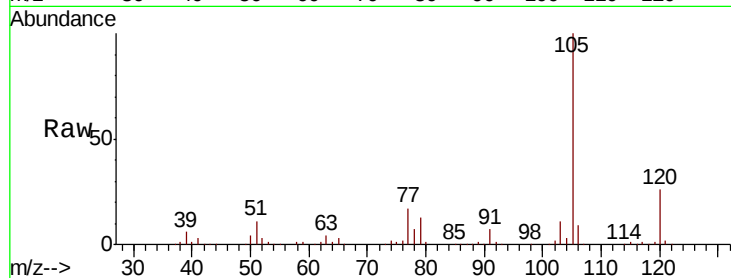
Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	237917
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1
77	17.5	13.9	20.9



#58

1,1,2,2-Tetrachloroethane

Concen: 5.071 ug/L

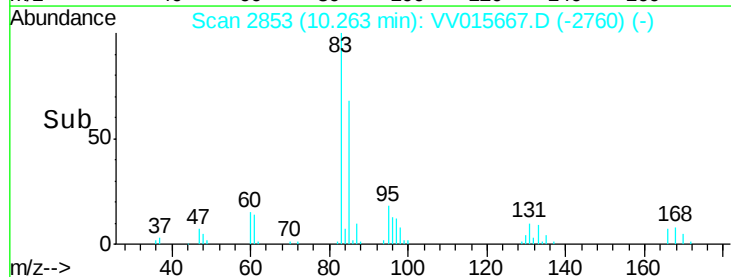
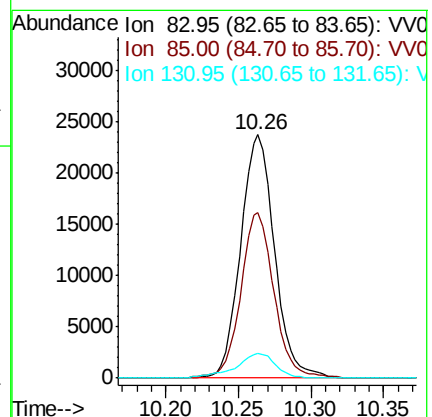
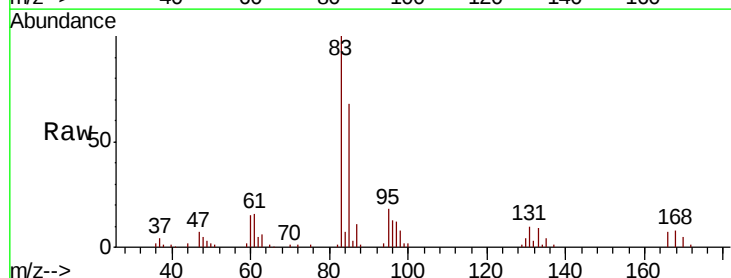
RT: 10.26 min Scan# 2853

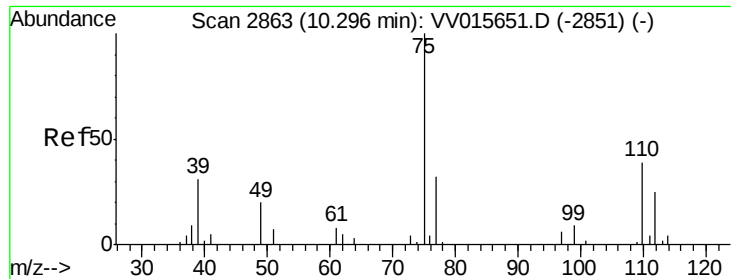
Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Tgt Ion:	83	Resp:	38568
Ion	Ratio	Lower	Upper
83	100		
85	68.1	46.3	85.9
131	10.2	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 4.954 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

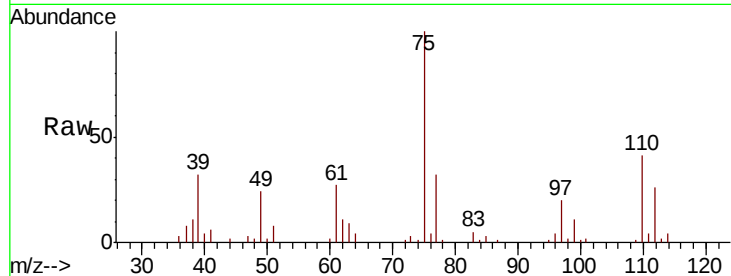
ClientSampleId :

Tot Ion: 75 Resp: 30223

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015651.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015651.D (-2851) (-)

10.30

20000

15000

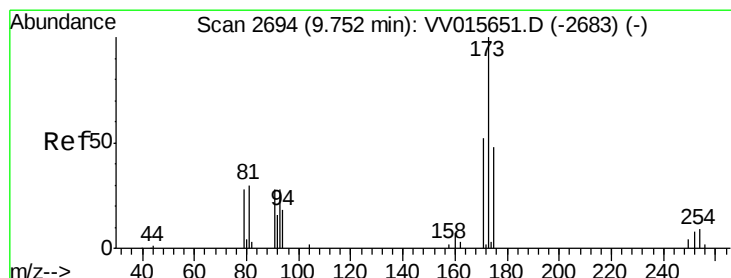
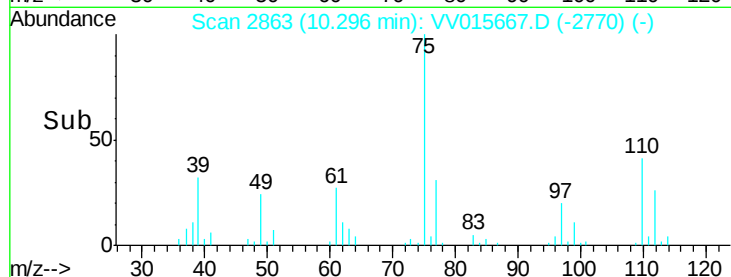
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 5.280 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

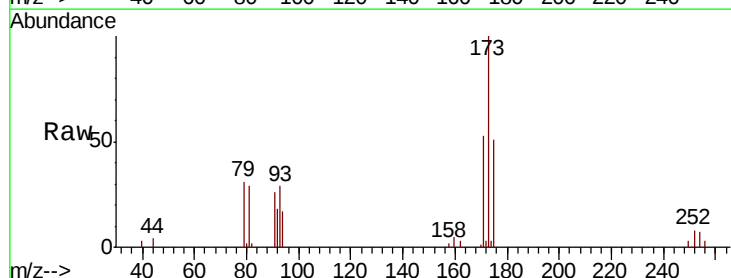
Tgt Ion: 173 Resp: 14852

Ion Ratio Lower Upper

173 100

175 50.4 39.8 59.8

254 7.3 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VV015651.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015651.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015651.D (-2683) (-)

9.75

12000

10000

8000

6000

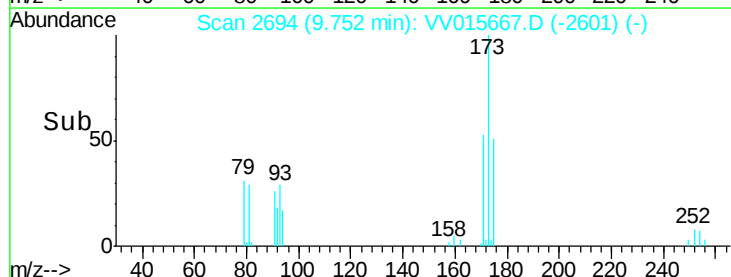
4000

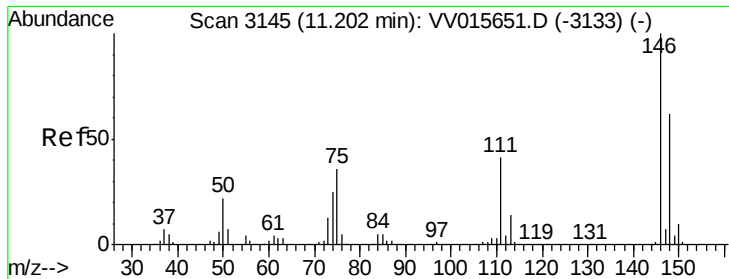
2000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 5.016 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

ClientSampled :

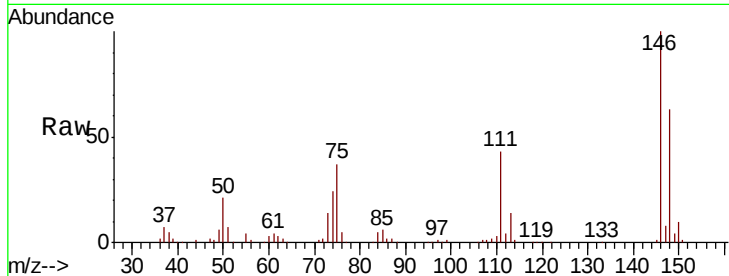
Tot Ion:146 Resp: 108187

Ion Ratio Lower Upper

146 100

111 42.7 30.0 55.6

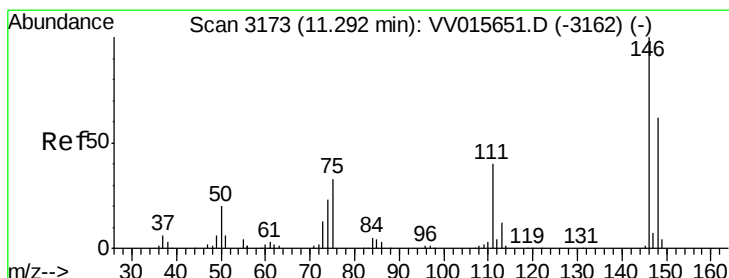
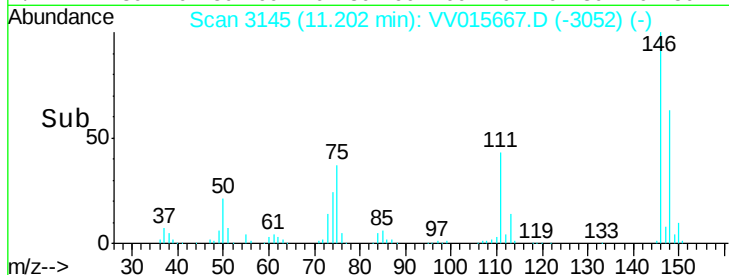
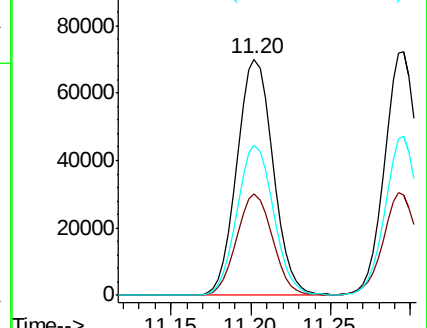
148 63.3 44.2 82.2



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: 5.018 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

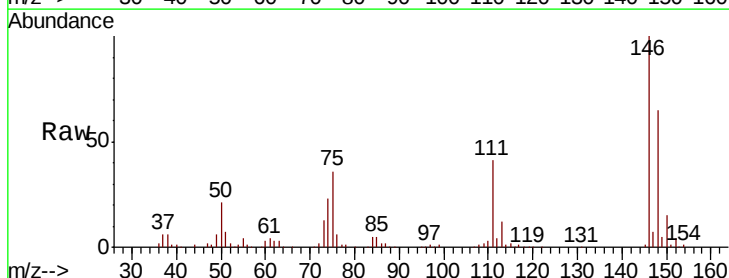
Tgt Ion:146 Resp: 109132

Ion Ratio Lower Upper

146 100

111 41.0 28.2 52.4

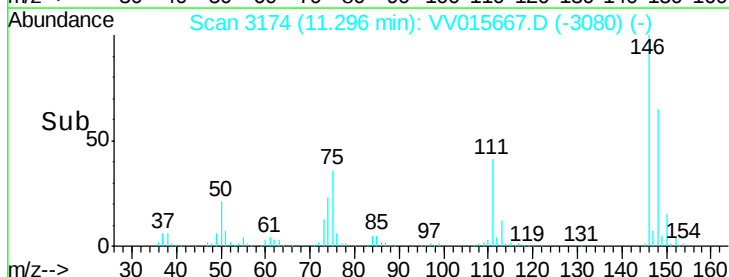
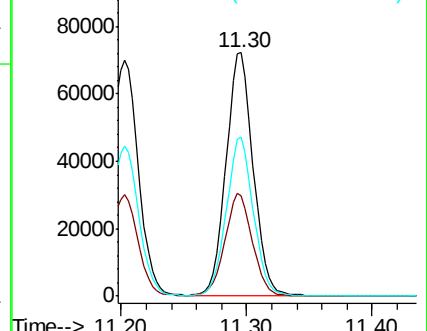
148 65.2 45.7 84.9

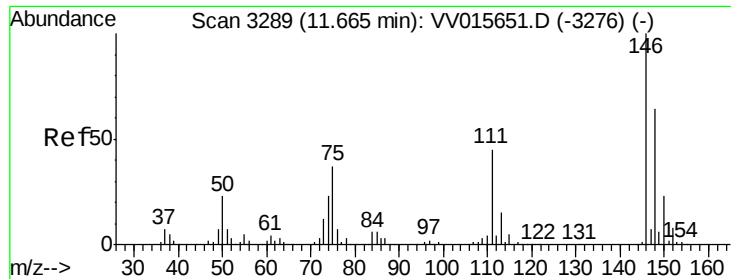


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.097 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

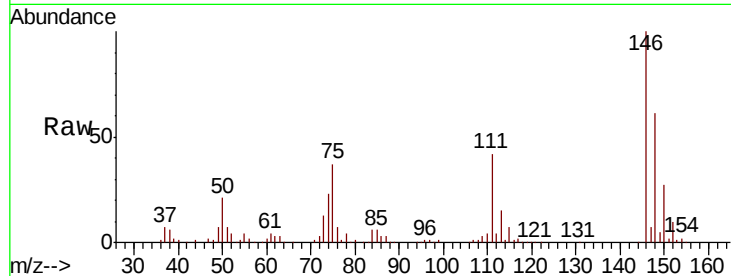
Tot Ion:146 Resp: 99416

Ion Ratio Lower Upper

146 100

111 42.4 34.7 52.1

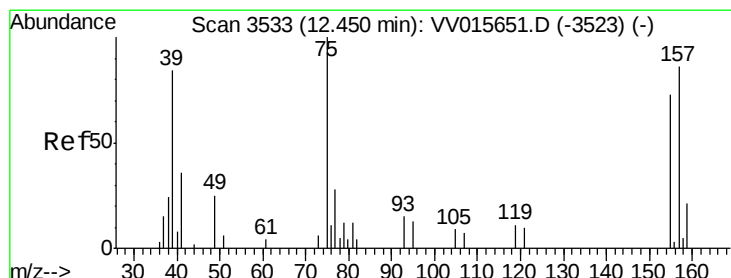
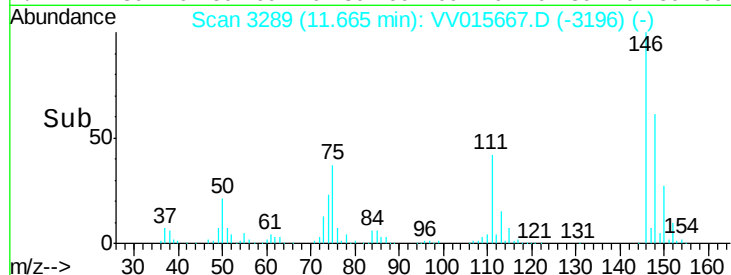
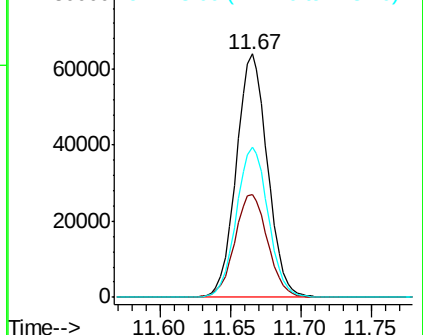
148 61.4 51.3 76.9



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: 5.149 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

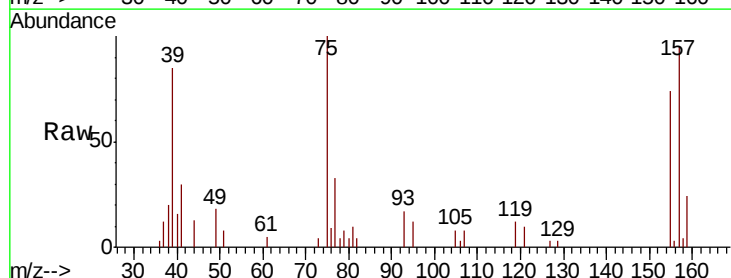
Tgt Ion: 75 Resp: 6543

Ion Ratio Lower Upper

75 100

155 73.6 51.0 76.4

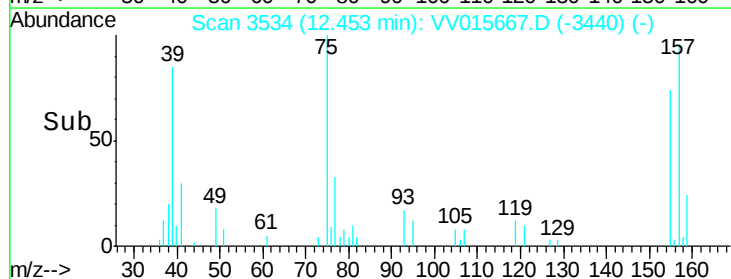
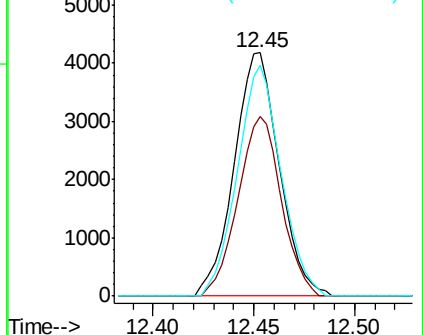
157 95.0 70.6 106.0

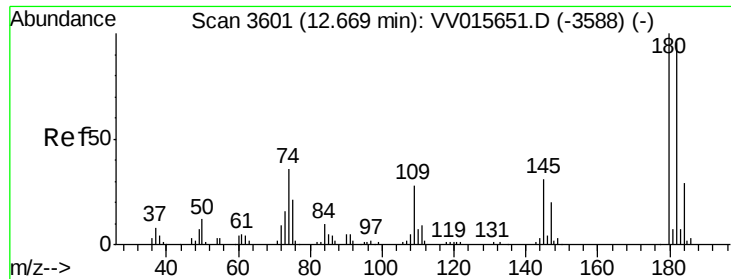


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

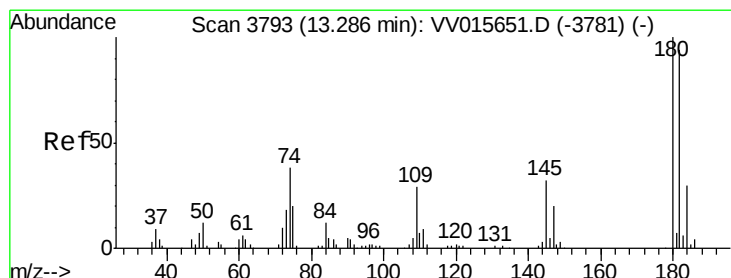
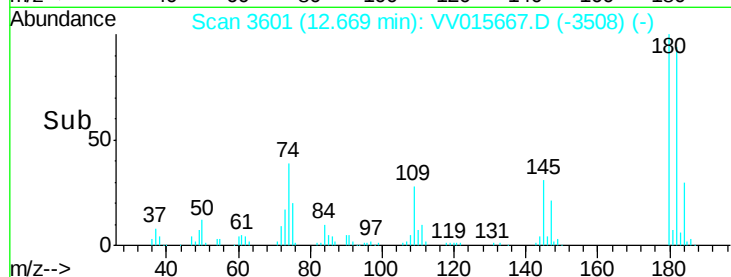
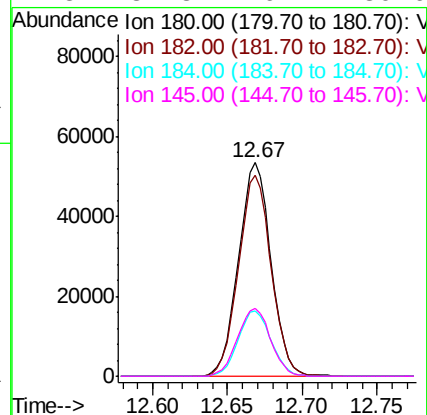
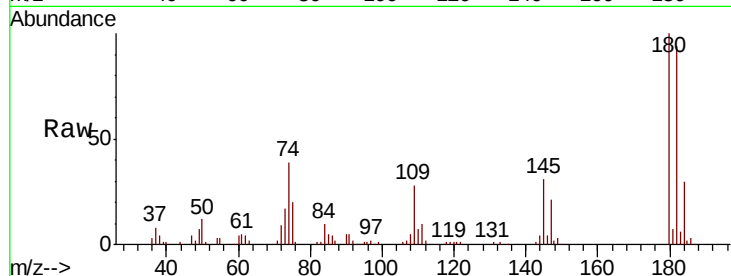




#67
 1,3,5-Trichlorobenzene
 Concen: 5.061 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

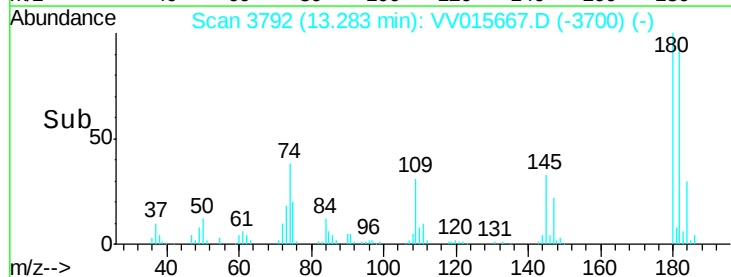
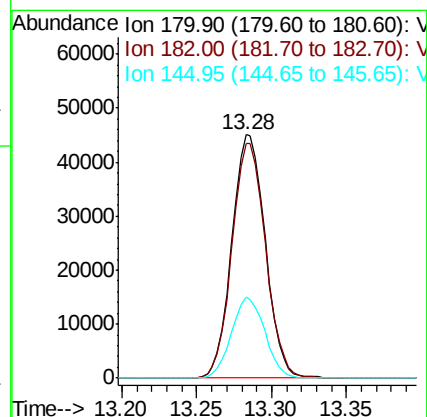
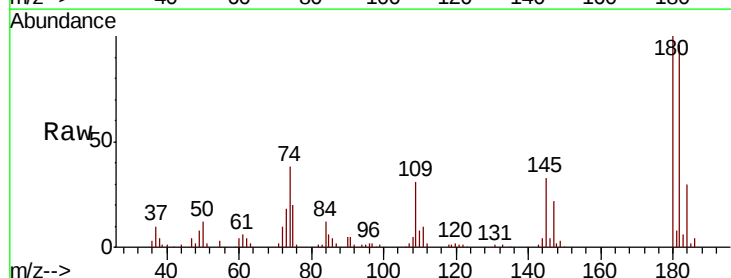
Instrument :
 MSVOA_V
 ClientSampleId :

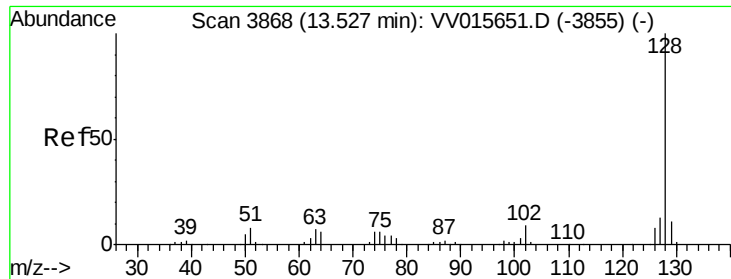
Tot Ion:180 Resp: 80656
 Ion Ratio Lower Upper
 180 100
 182 94.5 78.2 117.4
 184 30.9 25.0 37.4
 145 32.3 26.4 39.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.784 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015667.D
 Acq: 24 Apr 2020 09:53

Tgt Ion:180 Resp: 70167
 Ion Ratio Lower Upper
 180 100
 182 96.9 74.8 112.2
 145 33.2 25.9 38.9





#69

Naphthalene

Concen: 4.600 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

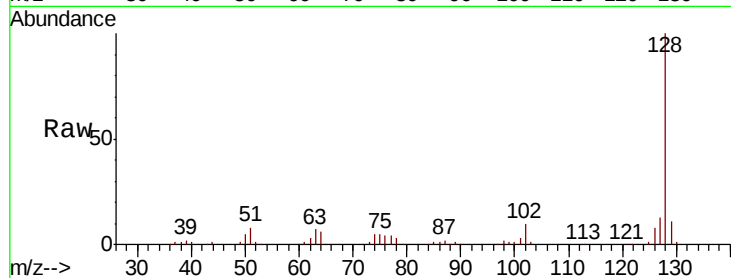
Tot Ion:128 Resp: 120752

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

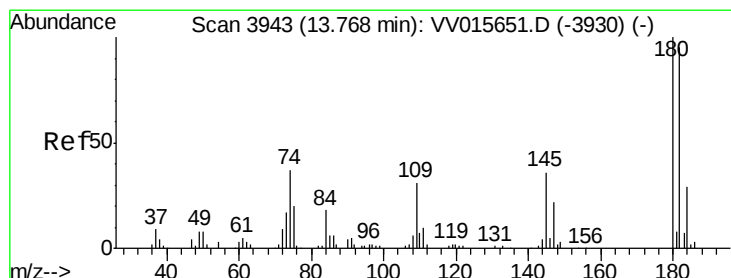
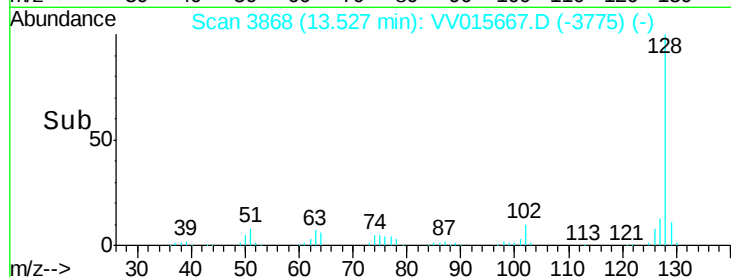
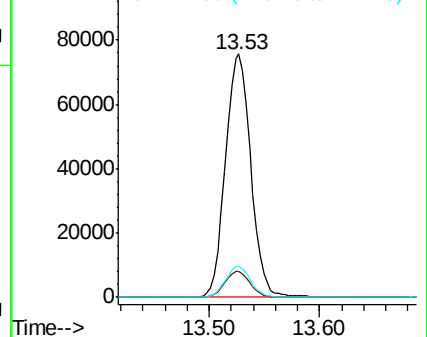
127 12.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.777 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015667.D

Acq: 24 Apr 2020 09:53

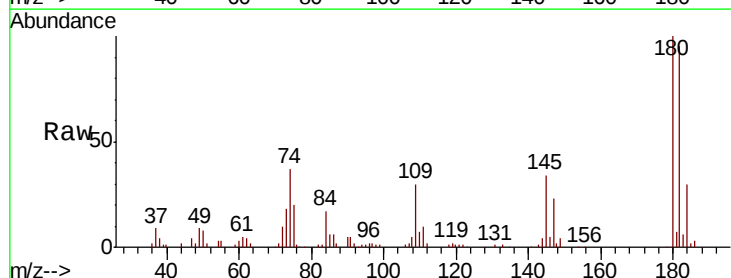
Tgt Ion:180 Resp: 61840

Ion Ratio Lower Upper

180 100

182 95.0 74.8 112.2

145 34.6 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

