

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041020\
 Data File : VV015449.D
 Acq On : 10 Apr 2020 12:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 11 04:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 12:58:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	122590	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	117135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60272	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40377	6.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.00%
7) Chloroethane-d5	1.58	69	33745	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.20%
11) 1,1-Dichloroethene-d2	2.12	63	76538	5.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.20%
20) 2-Butanone-d5	3.93	46	87098	48.77	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	4.37	84	70668	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.06	65	37415	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.07	84	137838	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.09	67	41213	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.33	98	133053	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.64	79	18199	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	8.11	63	58295	34.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.68%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	29854	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	46112	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	59530	4.906 ug/L	99
3) Chloromethane	1.25	50	54600	4.725 ug/L	100
5) Vinyl chloride	1.32	62	53778	4.833 ug/L	100
6) Bromomethane	1.53	94	31495	5.122 ug/L	99
8) Chloroethane	1.60	64	32665	5.062 ug/L	99
9) Trichlorofluoromethane	1.77	101	73030	5.130 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42188	5.247 ug/L	98
12) 1,1-Dichloroethene	2.13	96	38325	4.980 ug/L	93
13) Acetone	2.21	43	78381	62.118 ug/L #	54
14) Carbon disulfide	2.31	76	122541	4.568 ug/L	100
15) Methyl Acetate	2.46	43	17463	4.678 ug/L	97
16) Methylene chloride	2.52	84	46030	5.106 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	102656	4.991 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	42370	4.886 ug/L	99
19) 1,1-Dichloroethane	3.21	63	82655	5.056 ug/L	97
21) 2-Butanone	4.01	43	111510	54.686 ug/L #	71
22) cis-1,2-Dichloroethene	3.94	96	45653	5.071 ug/L	92

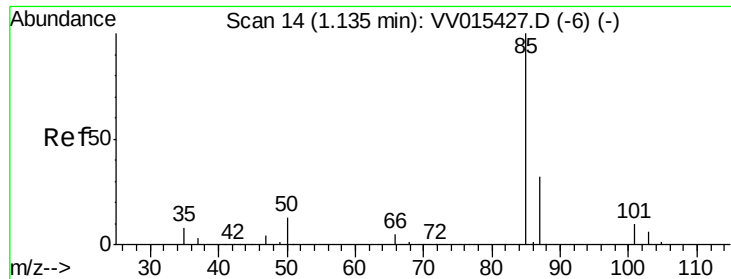
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041020\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	18837	5.028	ug/L	97
25) Chloroform	4.40	83	85201	5.093	ug/L	99
27) 1,2-Dichloroethane	5.15	62	53292	4.927	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	76059	5.005	ug/L	99
30) Cyclohexane	4.70	56	78038	4.837	ug/L	98
31) Carbon tetrachloride	4.85	117	65626	4.961	ug/L	99
33) Benzene	5.12	78	174860	4.988	ug/L	100
34) Trichloroethene	5.94	95	46978	4.978	ug/L	98
35) Methylcyclohexane	6.15	83	79336	4.990	ug/L	99
37) 1,2-Dichloropropane	6.20	63	43899	5.049	ug/L	98
38) Bromodichloromethane	6.53	83	57182	4.931	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	67263	5.041	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	263078	46.076	ug/L	99
42) Toluene	7.41	91	190731	5.011	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	56492	5.007	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	28842	4.934	ug/L	98
47) Tetrachloroethene	7.99	164	34814	4.980	ug/L	98
48) 2-Hexanone	8.16	43	184862	46.339	ug/L	97
49) Dibromochloromethane	8.26	129	35051	5.006	ug/L	98
50) 1,2-Dibromoethane	8.37	107	27157	4.848	ug/L #	100
51) Chlorobenzene	8.90	112	121590	5.012	ug/L	99
52) Ethylbenzene	9.03	91	224197	5.117	ug/L	100
53) m,p-xylene	9.16	106	83185	5.027	ug/L	99
54) o-xylene	9.56	106	80079	5.000	ug/L	98
55) Styrene	9.58	104	134548	4.998	ug/L	99
56) Isopropylbenzene	9.95	105	221589	5.046	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	34524	4.853	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	26217	4.876	ug/L	99
61) Bromoform	9.75	173	17073	4.830	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	97120	4.998	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	97067	4.909	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	87683	4.949	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6328	4.668	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	70361	5.011	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	60837	4.810	ug/L	99
69) Naphthalene	13.52	128	92726	3.891	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	51117	4.575	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.906 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

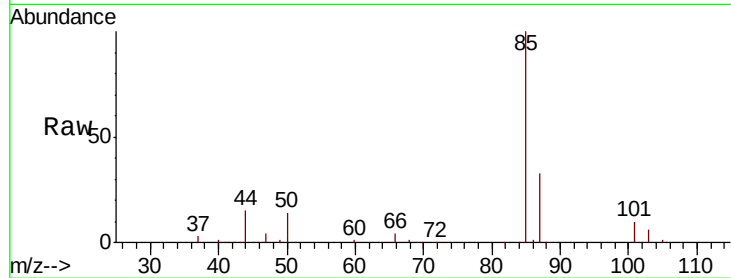
ClientSampleId :

Tot Ion: 85 Resp: 59530

Ion Ratio Lower Upper

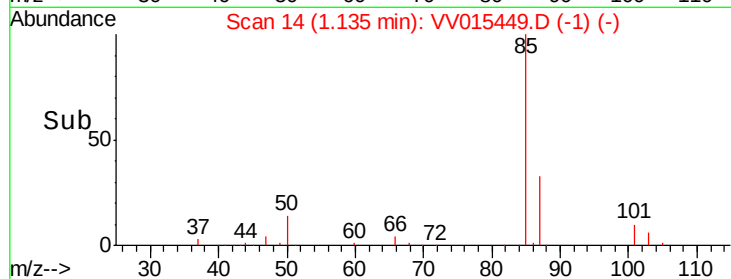
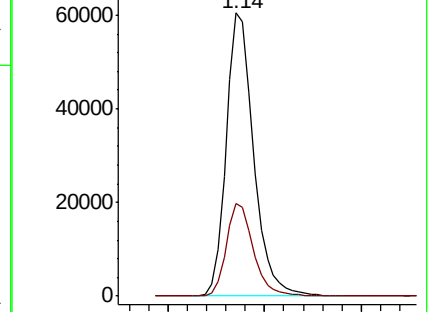
85 100

87 32.2 25.3 37.9

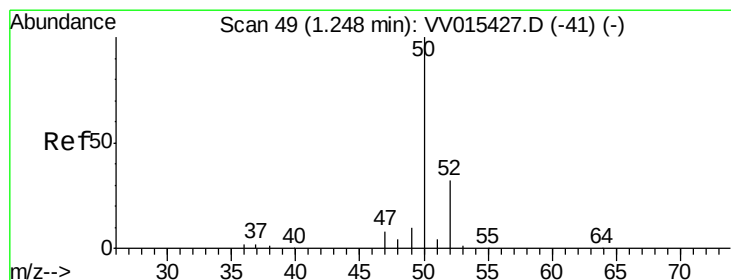


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 4.725 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015449.D

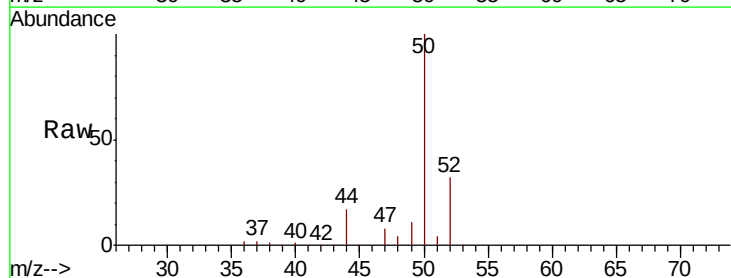
Acq: 10 Apr 2020 12:48

Tgt Ion: 50 Resp: 54600

Ion Ratio Lower Upper

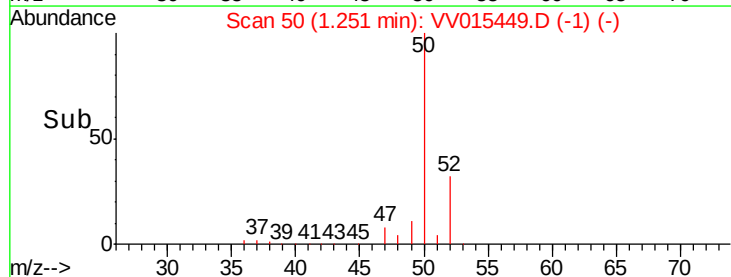
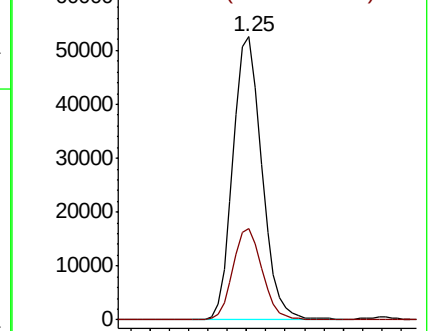
50 100

52 32.3 22.7 42.1

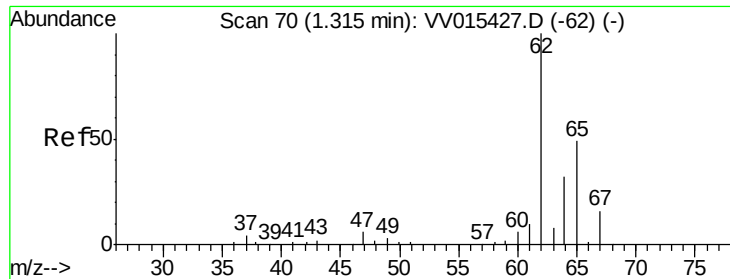


Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->



#5

Vinyl chloride

Concen: 4.833 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

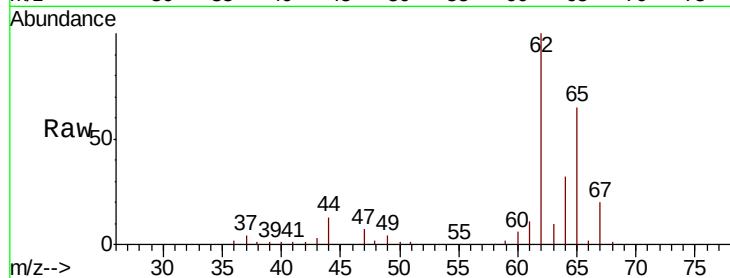
ClientSampled :

Tot Ion: 62 Resp: 53778

Ion Ratio Lower Upper

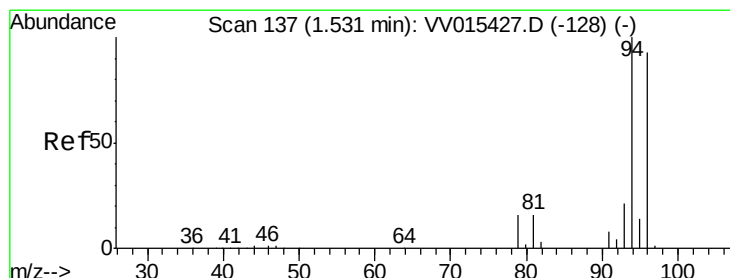
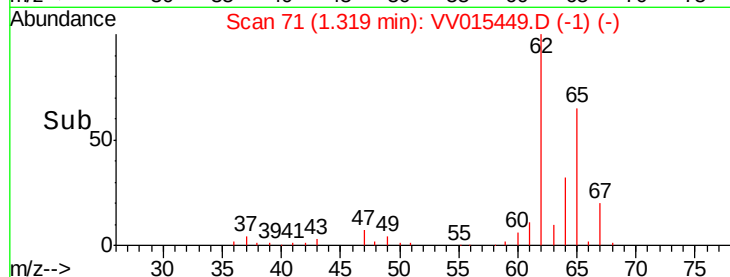
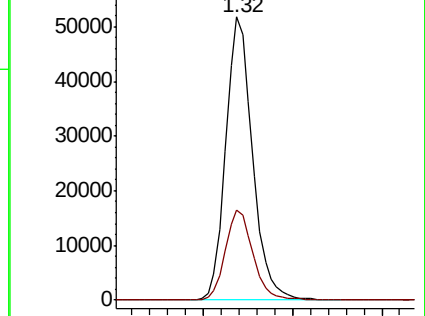
62 100

64 32.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.122 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015449.D

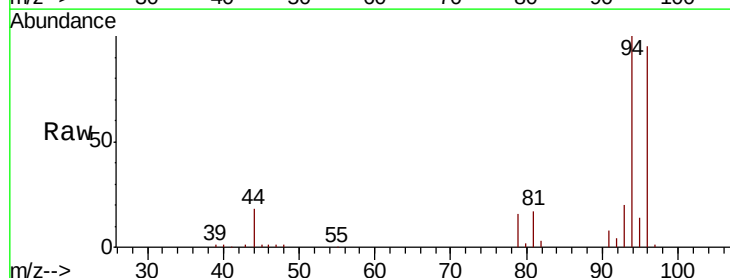
Acq: 10 Apr 2020 12:48

Tgt Ion: 94 Resp: 31495

Ion Ratio Lower Upper

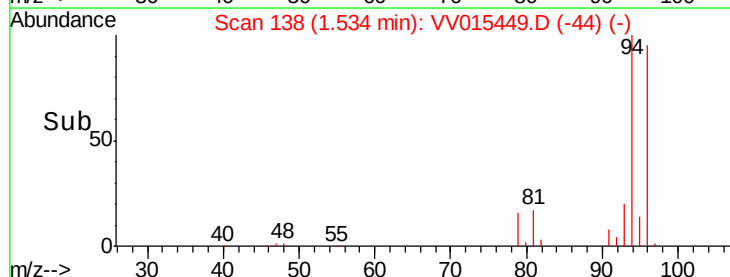
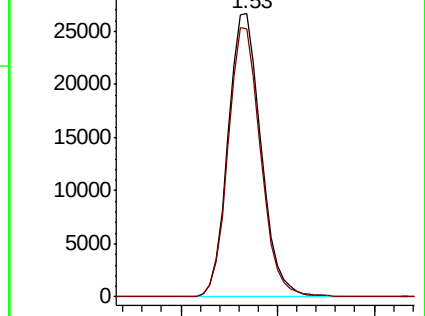
94 100

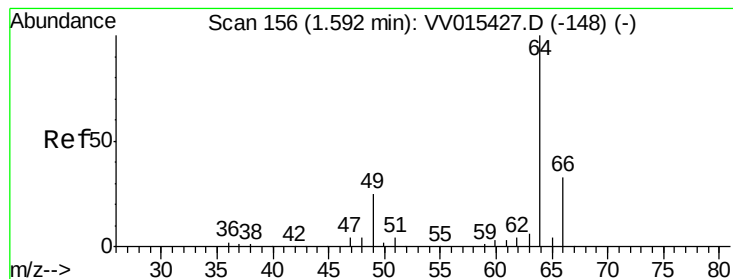
96 94.7 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.062 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

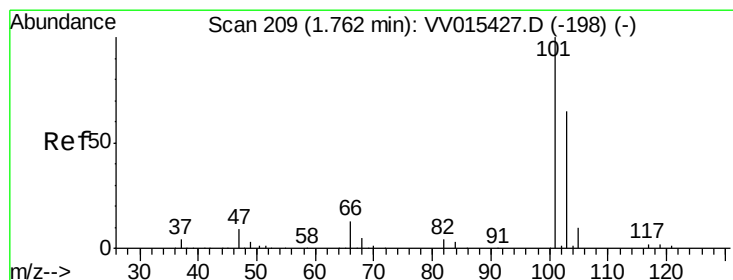
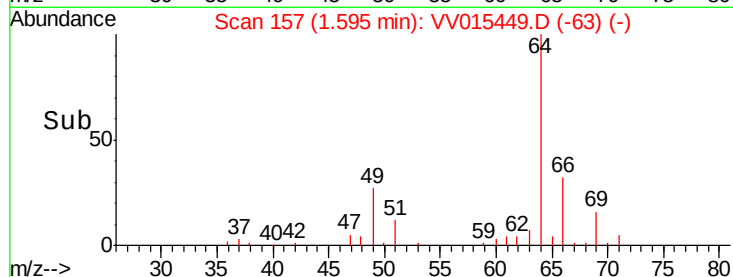
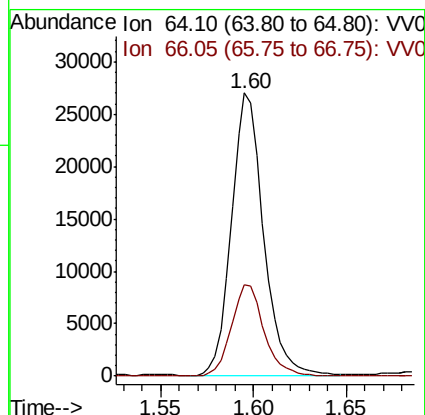
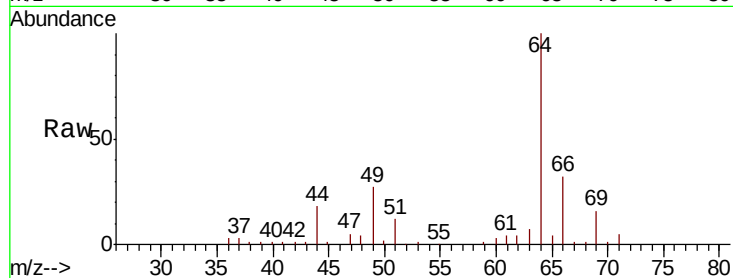
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 32665

Ion Ratio Lower Upper

64 100

66 32.3 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.130 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015449.D

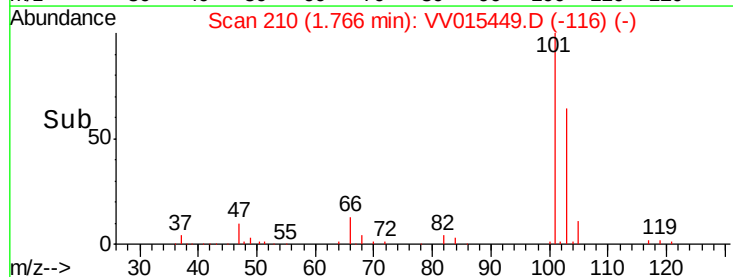
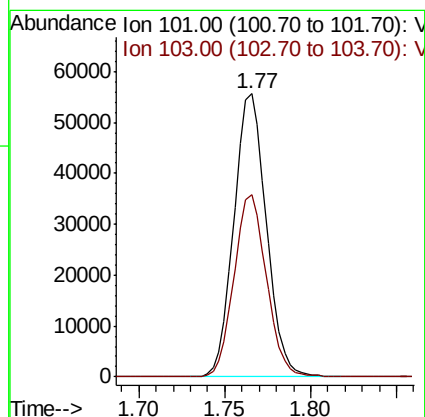
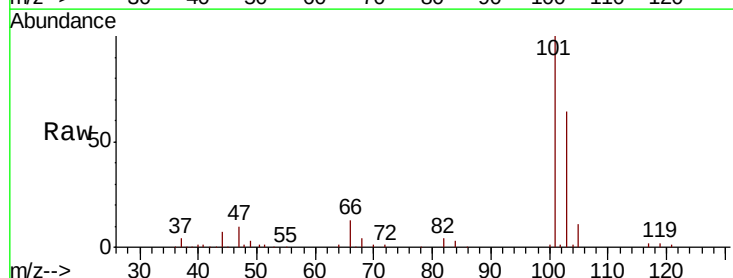
Acq: 10 Apr 2020 12:48

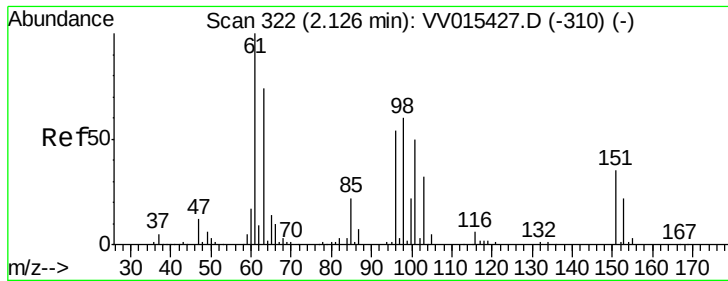
Tgt Ion: 101 Resp: 73030

Ion Ratio Lower Upper

101 100

103 64.4 51.9 77.9





#10

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

Concen: 5.247 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

ClientSampleId :

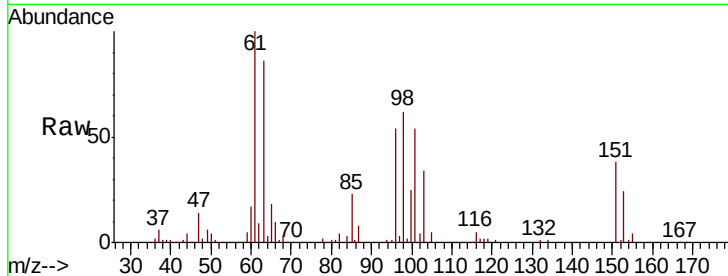
Tot Ion:101 Resp: 42188

Ion Ratio Lower Upper

101 100

85 44.1 36.3 54.5

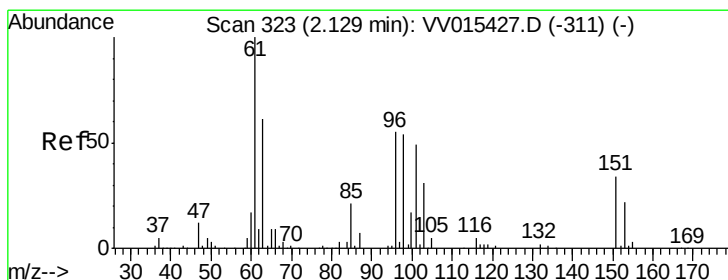
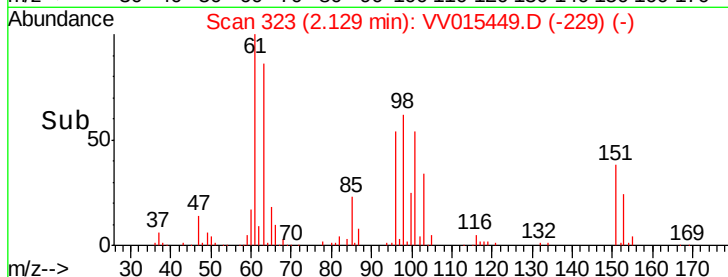
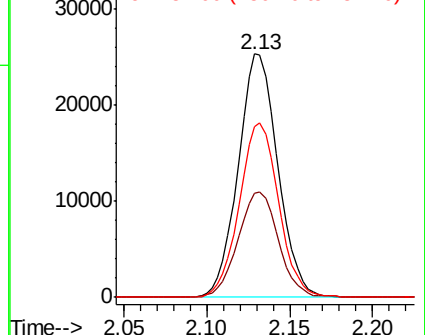
151 71.1 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.980 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

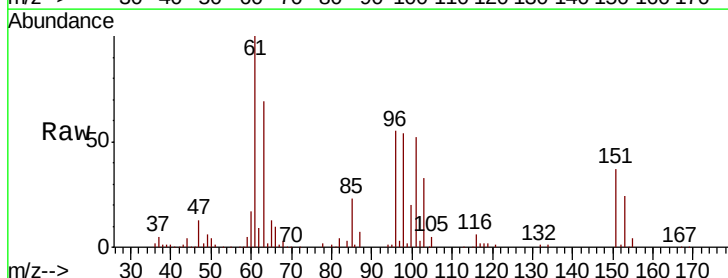
Tgt Ion: 96 Resp: 38325

Ion Ratio Lower Upper

96 100

61 182.0 127.7 237.1

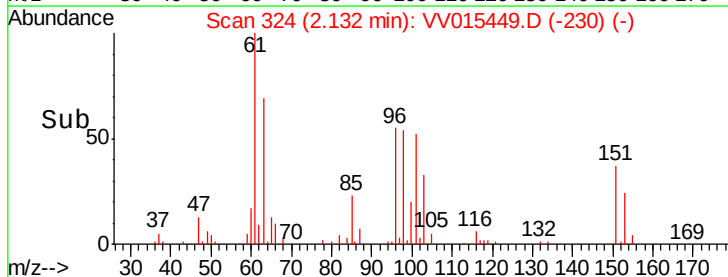
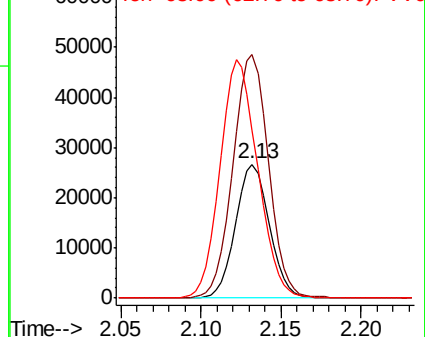
63 125.4 75.1 139.5

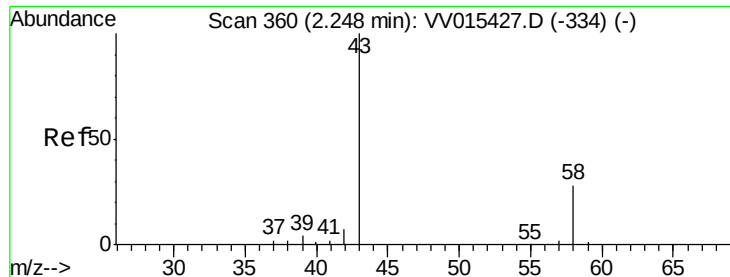


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 62.118 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.04 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

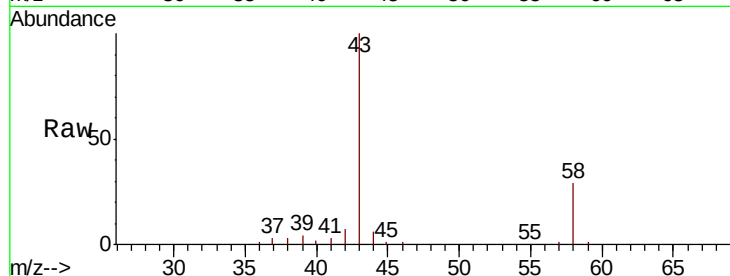
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 78381

Ion Ratio Lower Upper

43 100

58 28.7 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015427.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV015427.D (-334) (-)

25000

20000

15000

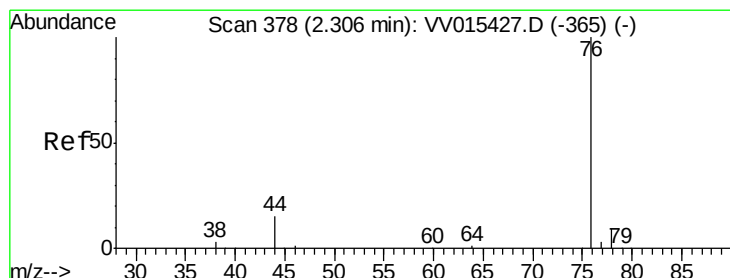
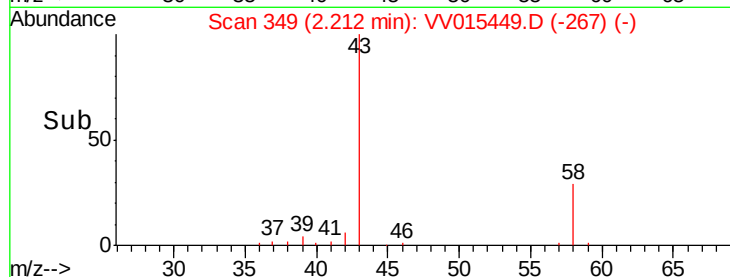
10000

5000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 4.568 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015449.D

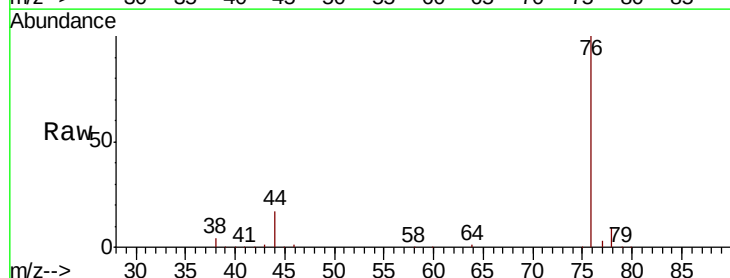
Acq: 10 Apr 2020 12:48

Tgt Ion: 76 Resp: 122541

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015427.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015427.D (-365) (-)

80000

60000

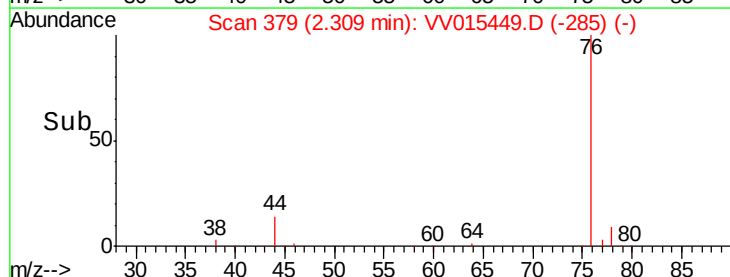
40000

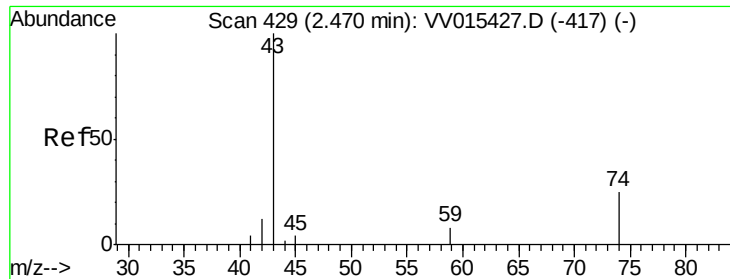
20000

0

2.25 2.30 2.35 2.40

Time-->

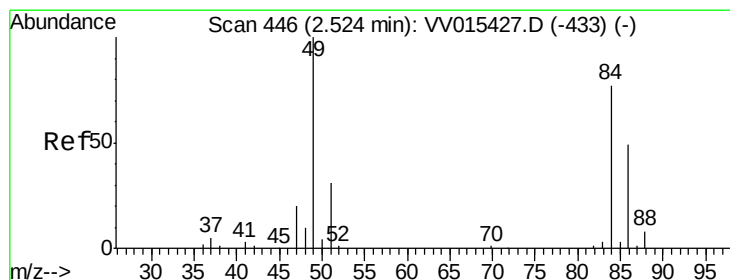
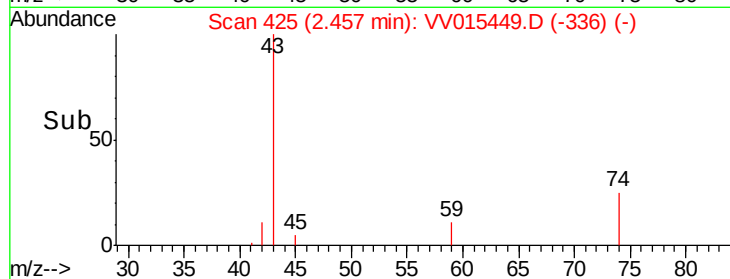
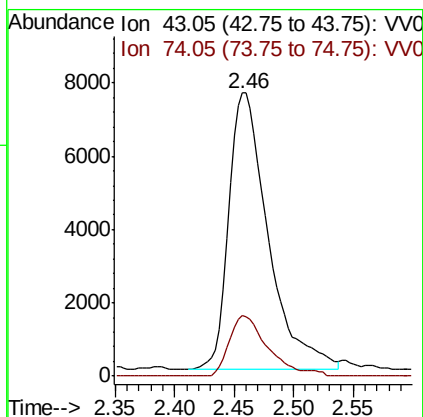
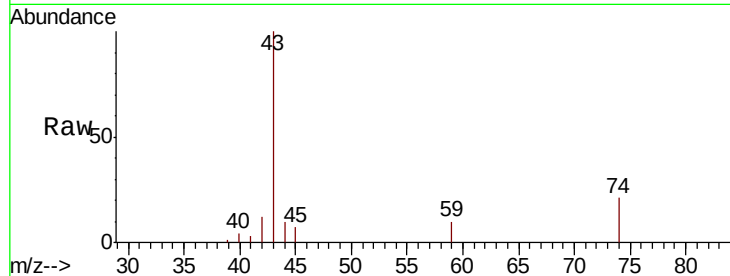




#15
Methvl Acetate
Concen: 4.678 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

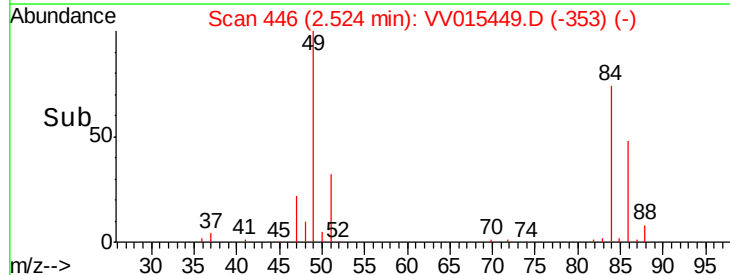
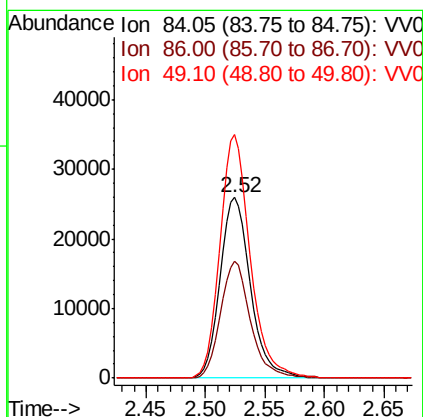
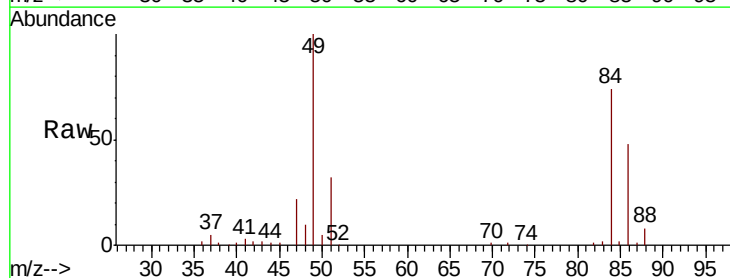
Instrument :
MSVOA_V
ClientSampleId :

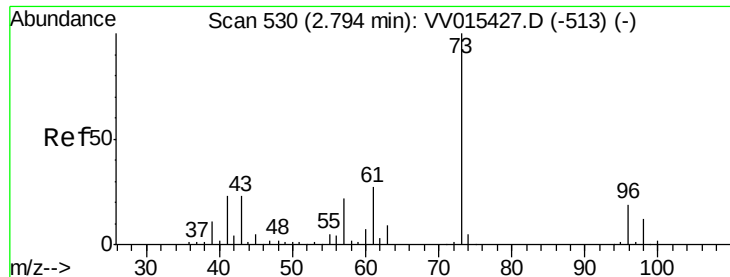
Tot Ion: 43 Resp: 17463
Ion Ratio Lower Upper
43 100
74 20.8 15.4 23.2



#16
Methylene chloride
Concen: 5.106 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Tgt Ion: 84 Resp: 46030
Ion Ratio Lower Upper
84 100
86 64.8 45.1 83.7
49 134.9 97.9 181.7

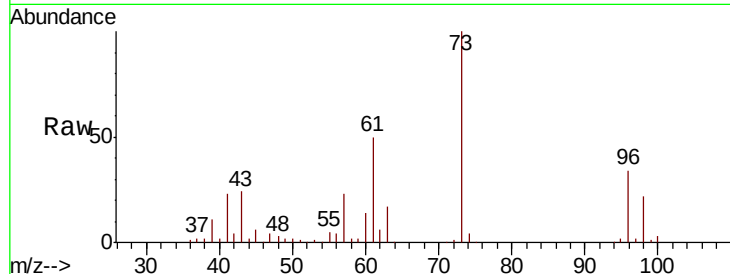




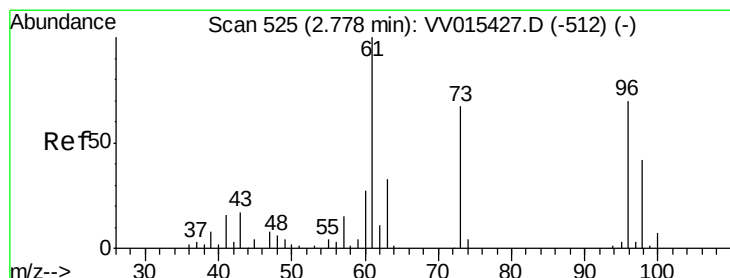
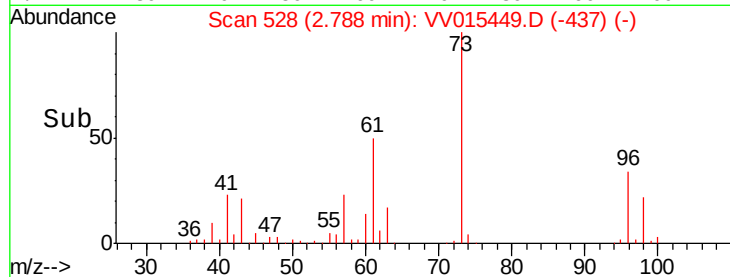
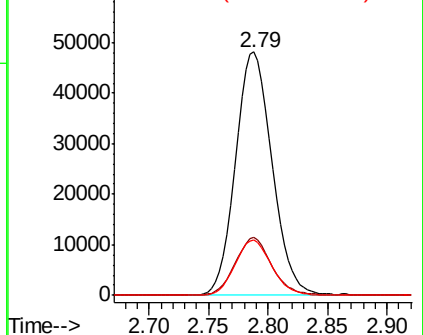
#17
Methyl tert-butyl Ether
Concen: 4.991 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 102656
Ion Ratio Lower Upper
73 100
43 24.0 18.3 27.5
57 22.8 18.4 27.6

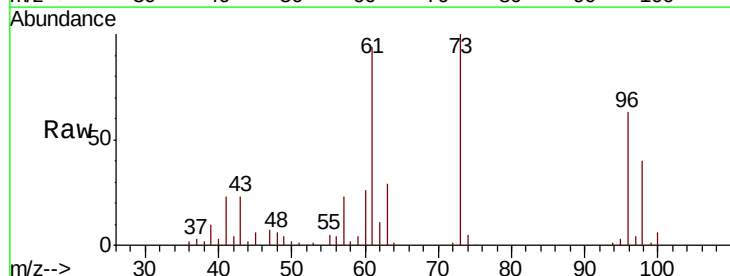


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

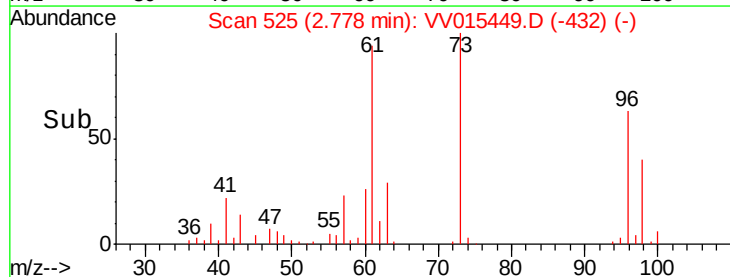
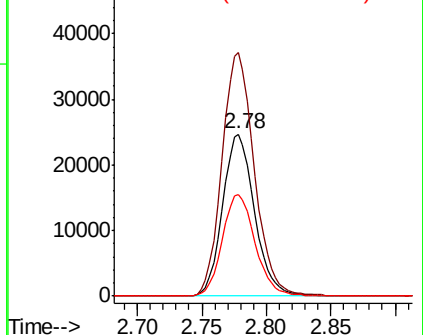


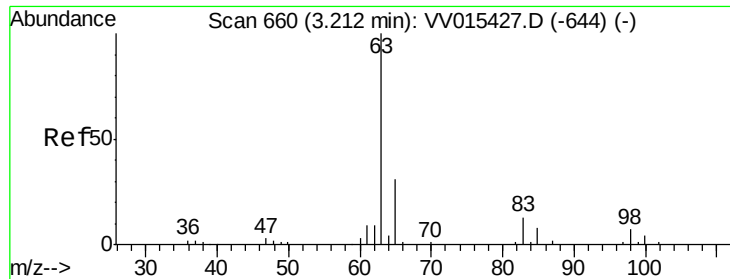
#18
trans-1,2-Dichloroethene
Concen: 4.886 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Tgt Ion: 96 Resp: 42370
Ion Ratio Lower Upper
96 100
61 150.4 104.4 194.0
98 63.1 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

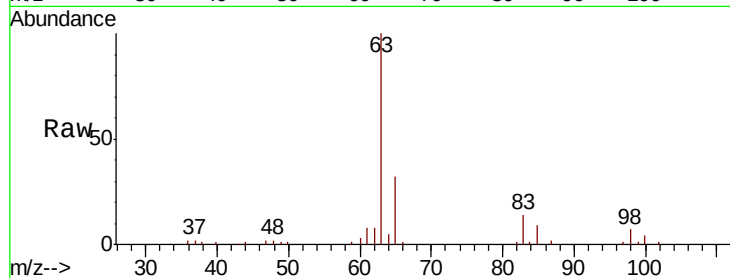




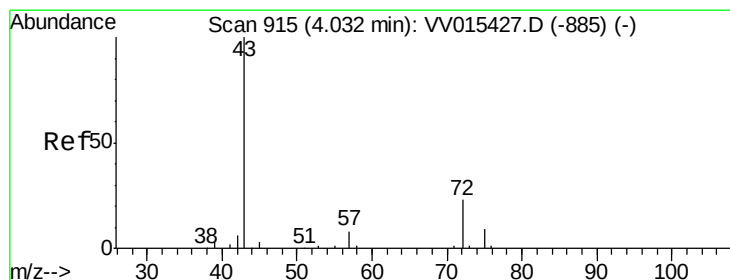
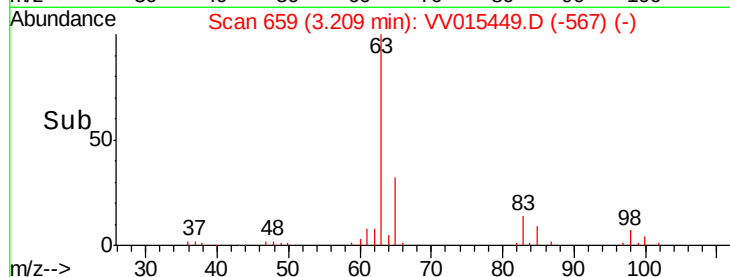
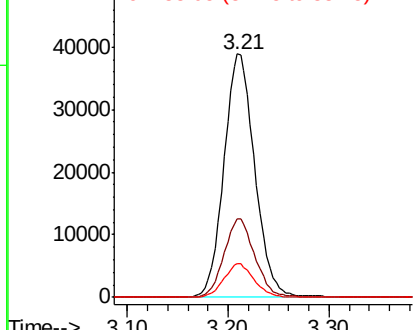
#19
 1,1-Dichloroethane
 Concen: 5.056 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 82655
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.3 39.6
 83 14.0 9.4 17.6

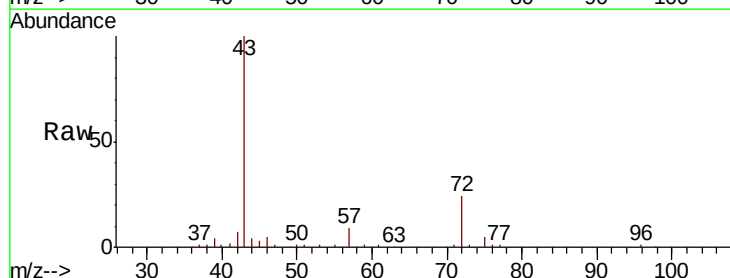


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

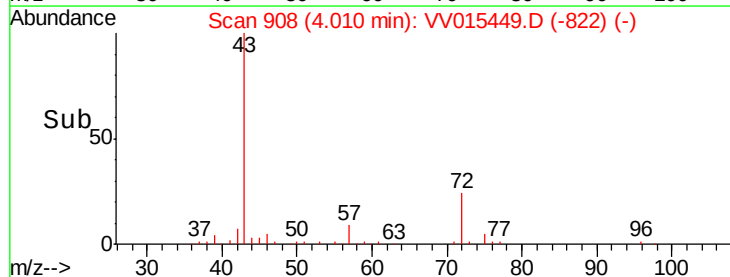
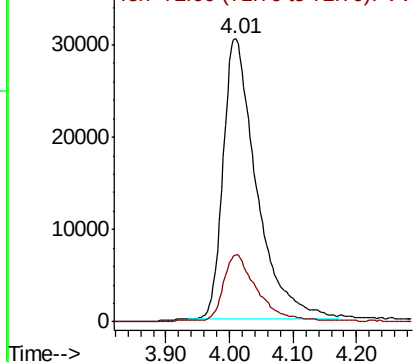


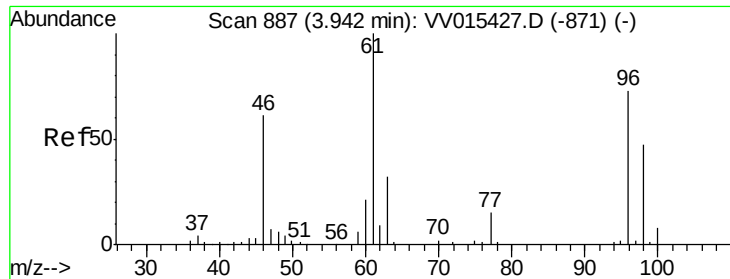
#21
 2-Butanone
 Concen: 54.686 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 43 Resp: 111510
 Ion Ratio Lower Upper
 43 100
 72 23.3 5.9 17.8#



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

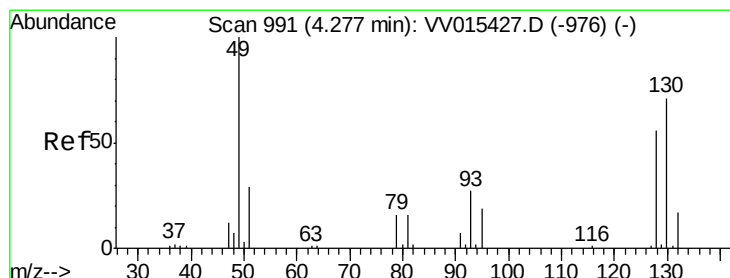
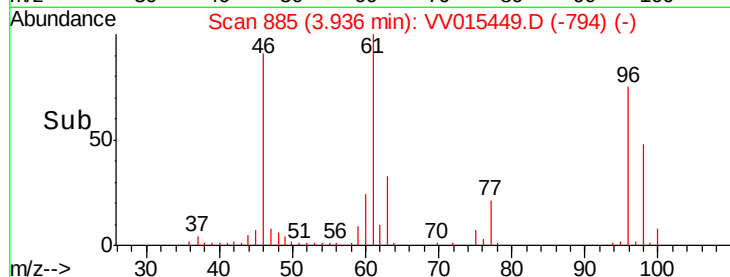
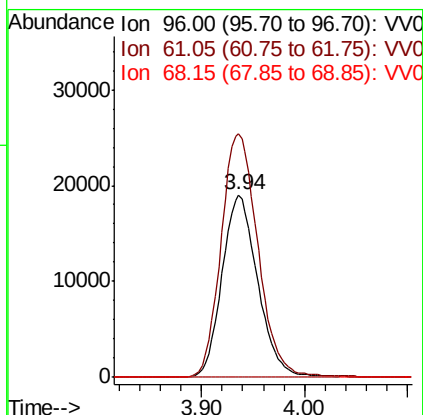
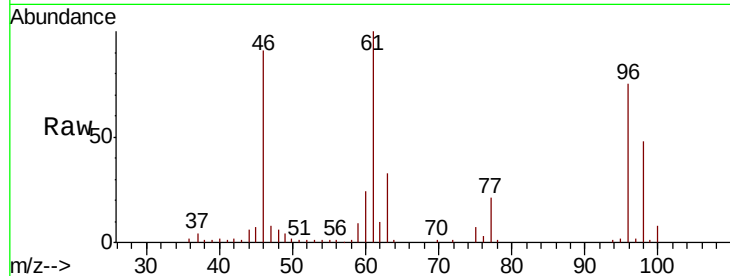




#22
 cis-1,2-Dichloroethene
 Concen: 5.071 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

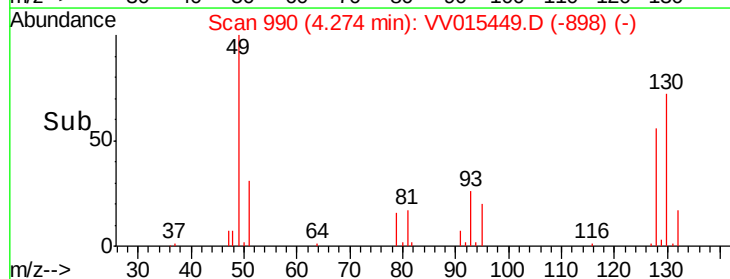
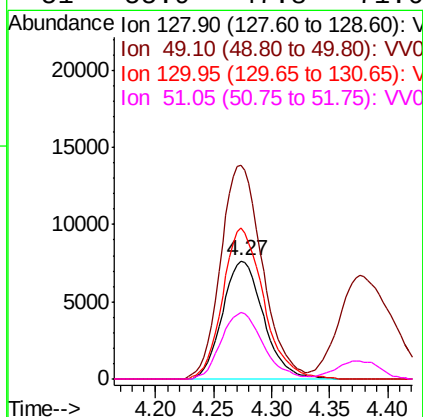
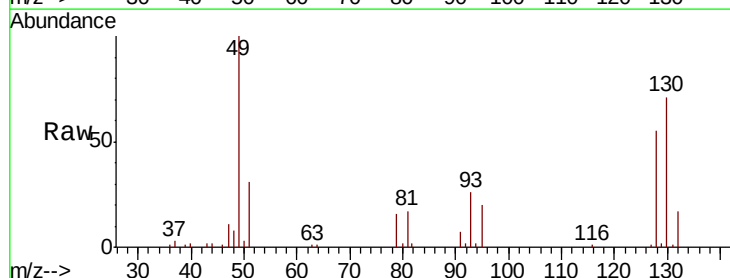
Instrument :
 MSVOA_V
 ClientSampleId :

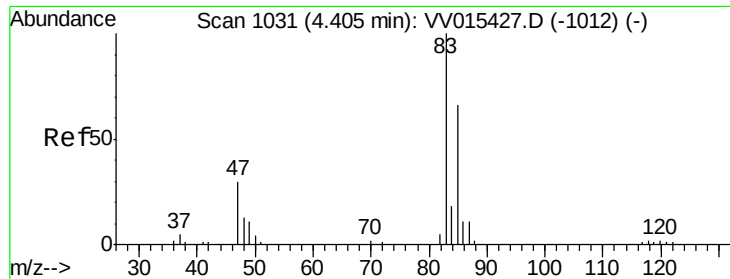
Tot Ion: 96 Resp: 45653
 Ion Ratio Lower Upper
 96 100
 61 133.5 100.0 185.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.028 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 128 Resp: 18837
 Ion Ratio Lower Upper
 128 100
 49 181.1 128.8 239.2
 130 128.5 93.5 173.7
 51 55.9 47.8 71.6

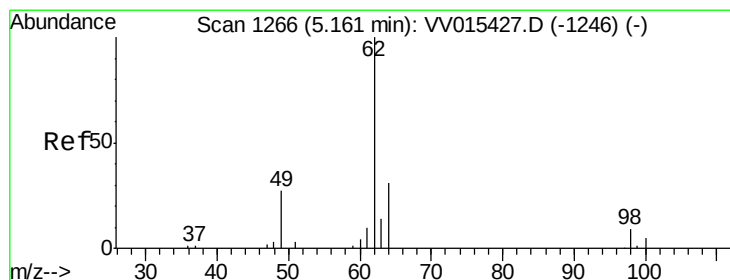
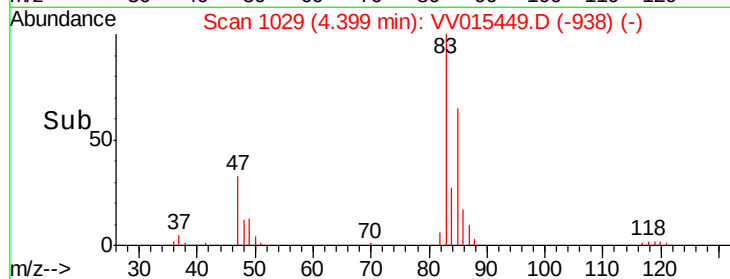
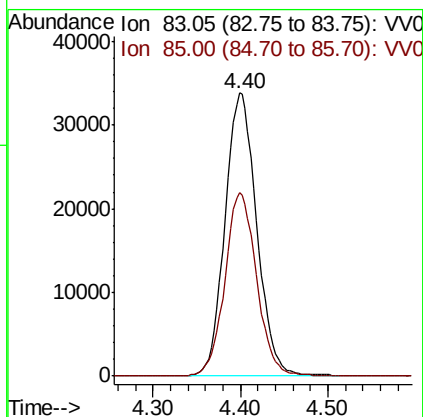
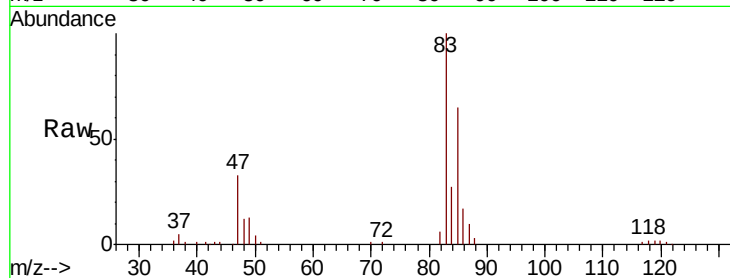




#25
Chloroform
Concen: 5.093 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

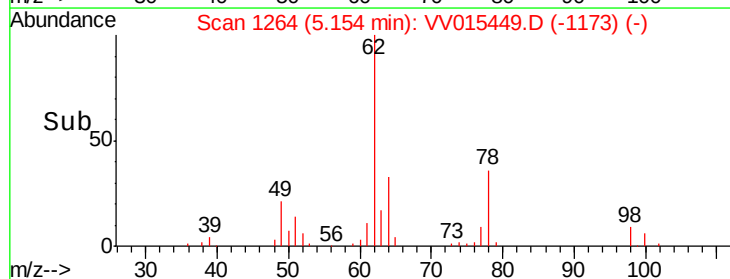
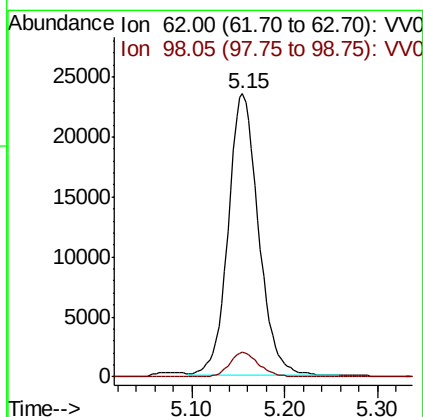
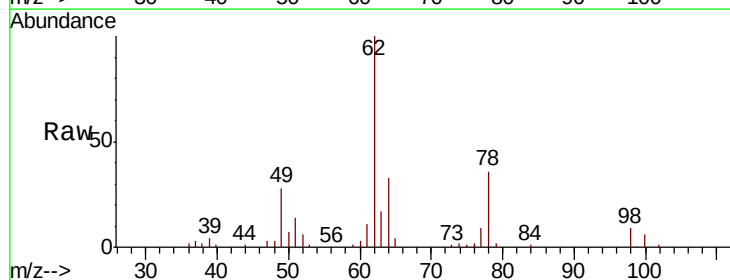
Instrument :
MSVOA_V
ClientSampleId :

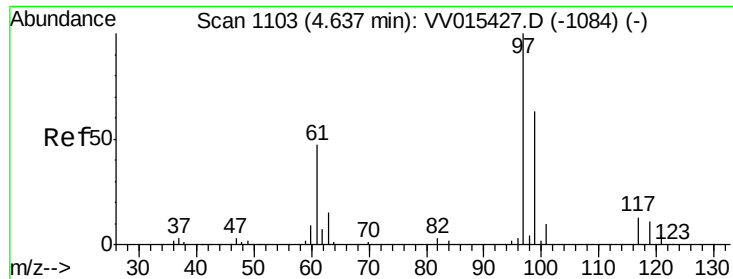
Tot Ion: 83 Resp: 85201
Ion Ratio Lower Upper
83 100
85 64.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 4.927 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Tgt Ion: 62 Resp: 53292
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

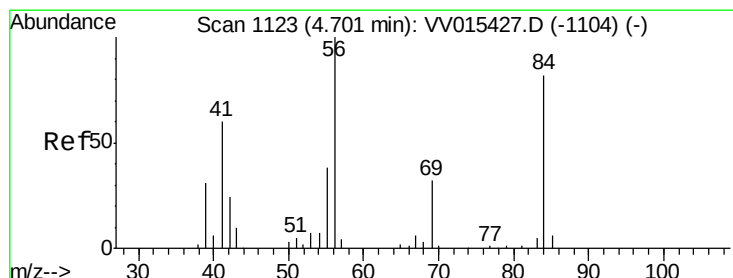
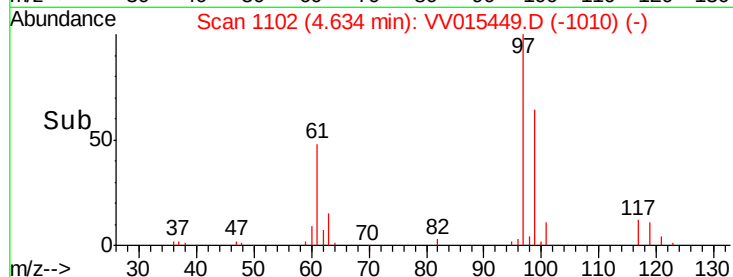
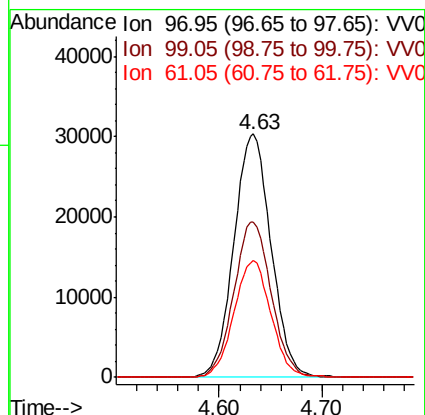
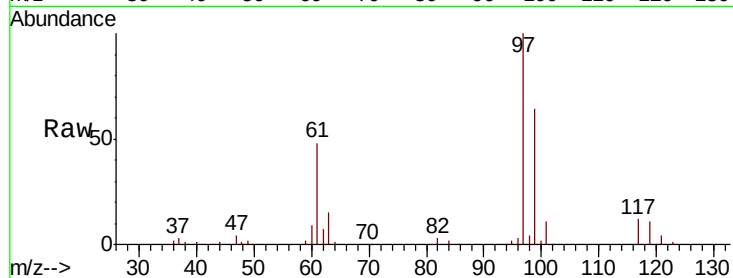




#29
 1,1,1-Trichloroethane
 Concen: 5.005 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

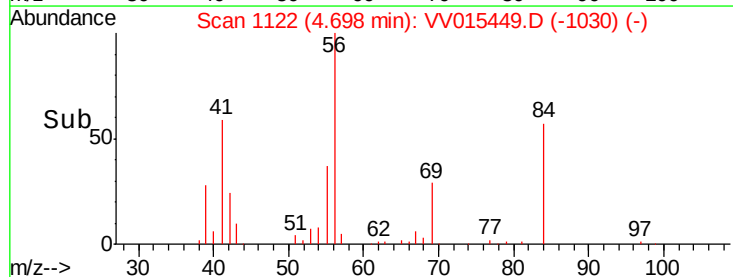
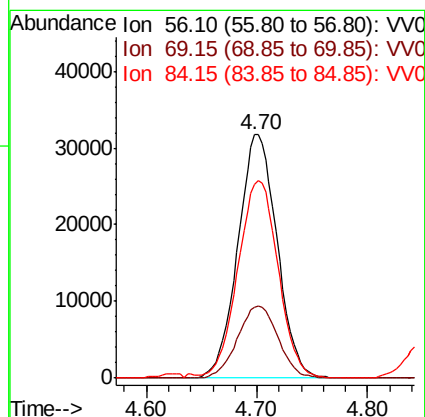
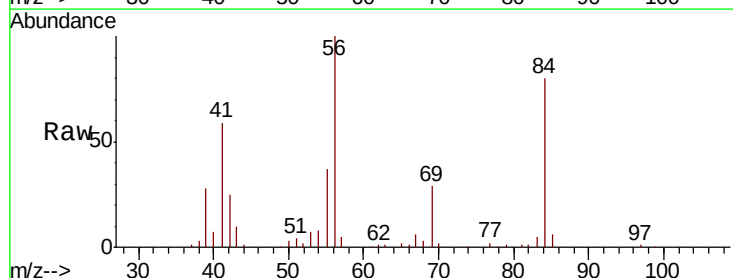
Instrument :
 MSVOA_V
 ClientSampled :

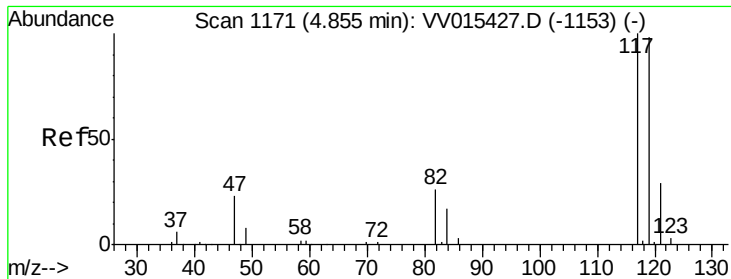
Tot Ion: 97 Resp: 76059
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.6 77.4
 61 47.8 39.0 58.6



#30
 Cyclohexane
 Concen: 4.837 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 56 Resp: 78038
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.2 36.4
 84 83.6 68.4 102.6





#31

Carbon tetrachloride

Concen: 4.961 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

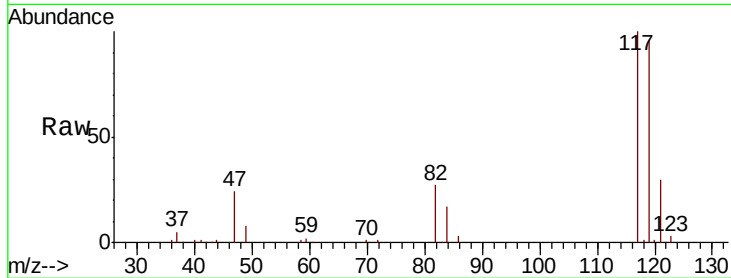
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 65626

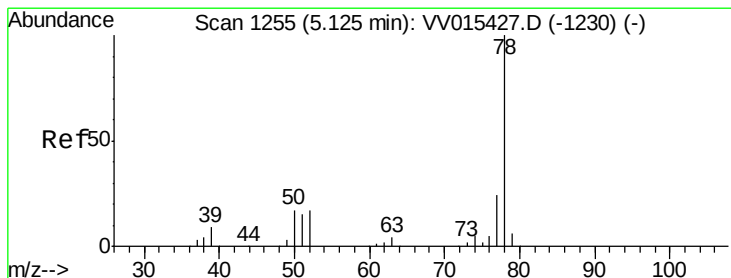
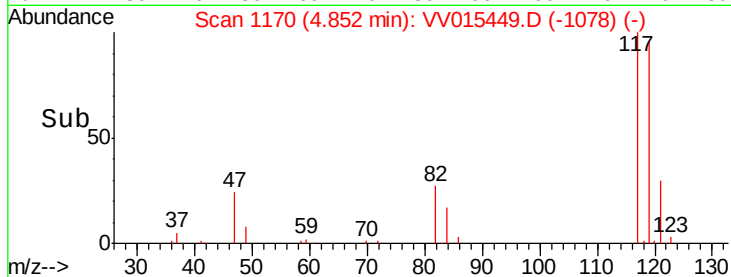
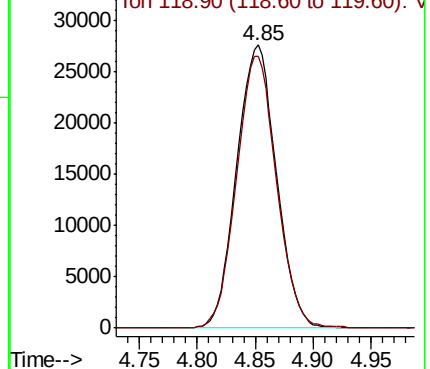
Ion Ratio Lower Upper

117 100

119 96.5 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V



#33

Benzene

Concen: 4.988 ug/L

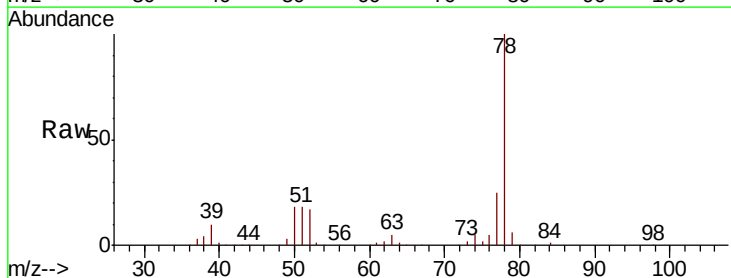
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

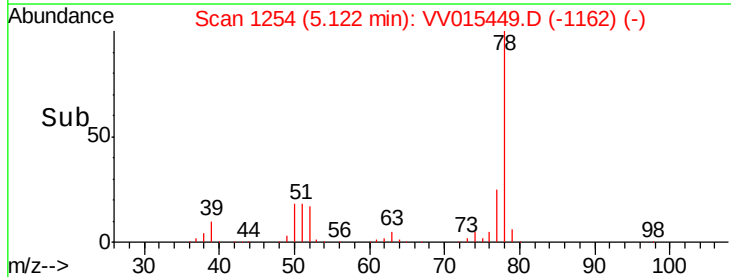
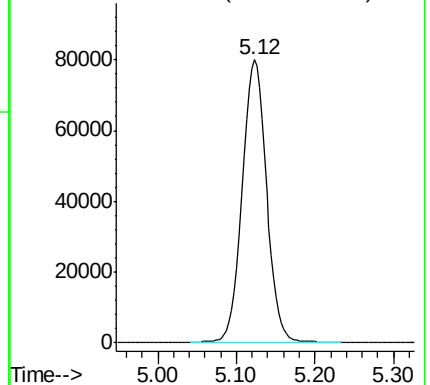
Lab File: VV015449.D

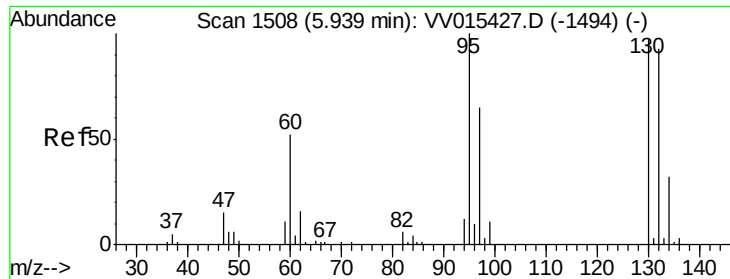
Acq: 10 Apr 2020 12:48

Tgt Ion: 78 Resp: 174860



Abundance Ion 78.10 (77.80 to 78.80): VV0

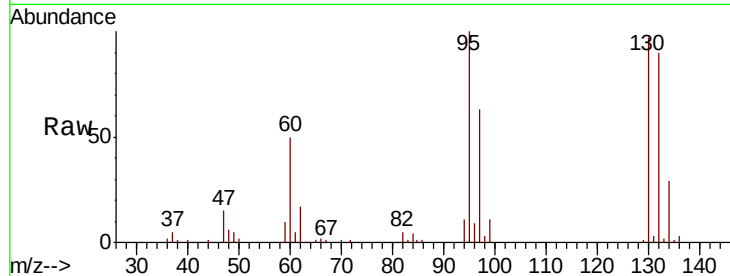




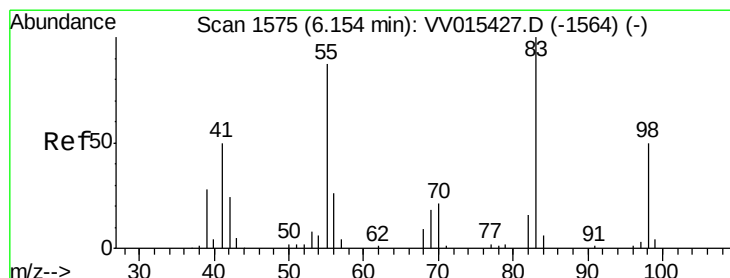
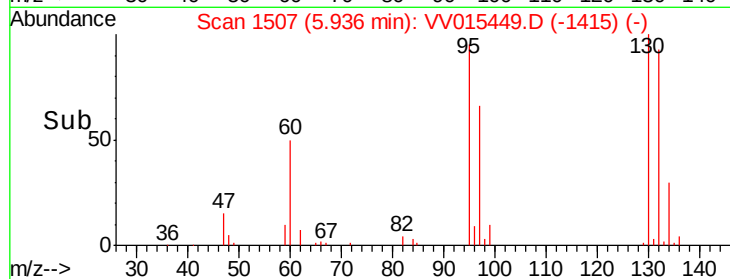
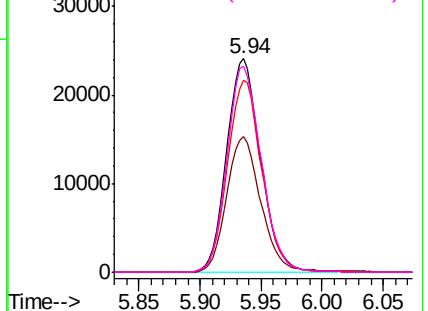
#34
 Trichloroethene
 Concen: 4.978 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 46978
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.4 84.4
 132 89.8 64.8 120.4
 130 96.8 67.4 125.2

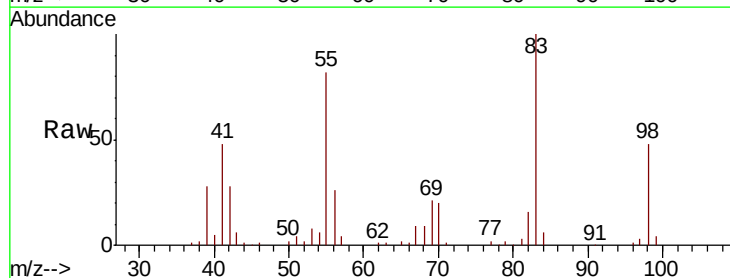


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

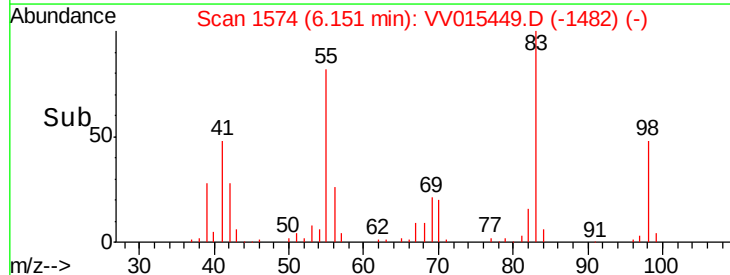
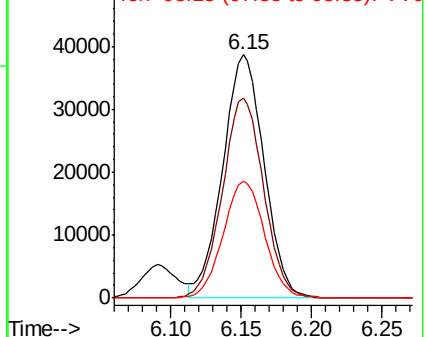


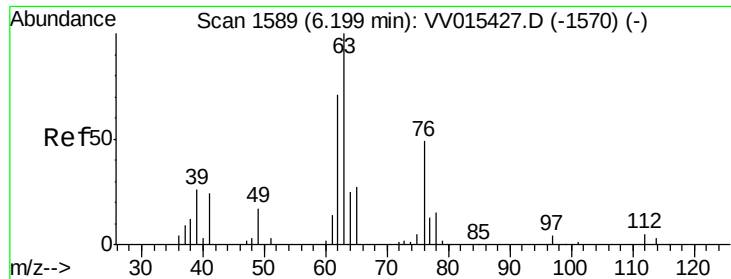
#35
 Methylcyclohexane
 Concen: 4.990 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 83 Resp: 79336
 Ion Ratio Lower Upper
 83 100
 55 81.6 66.6 99.8
 98 48.2 38.7 58.1



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

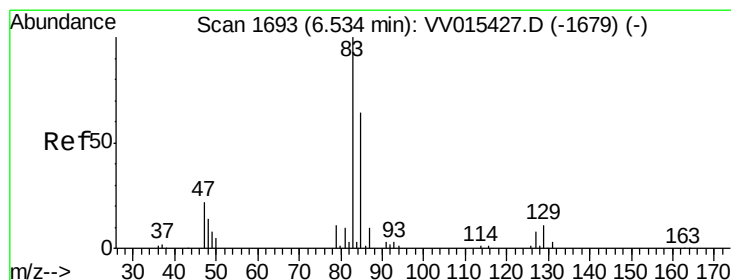
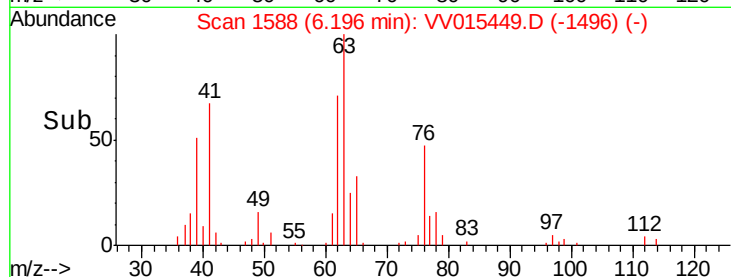
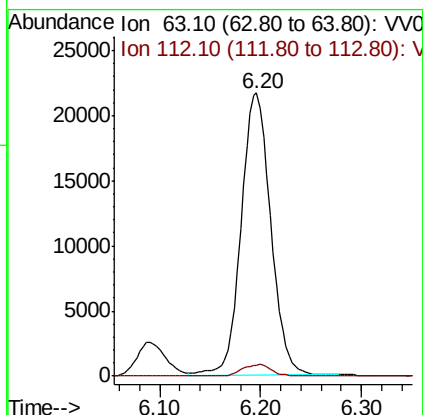
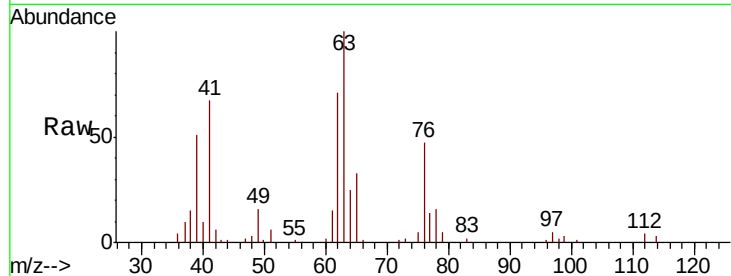




#37
 1,2-Dichloropropane
 Concen: 5.049 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

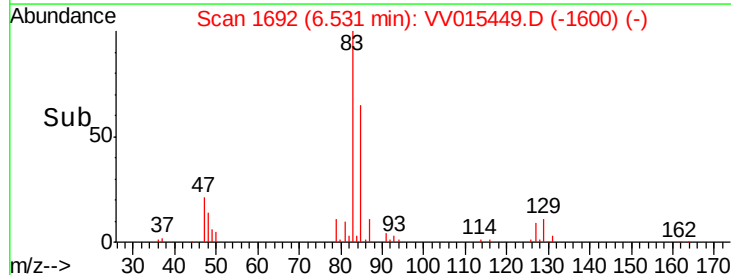
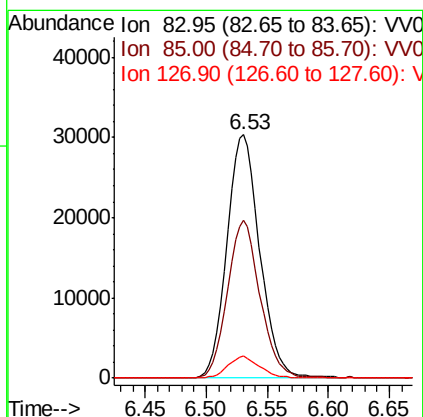
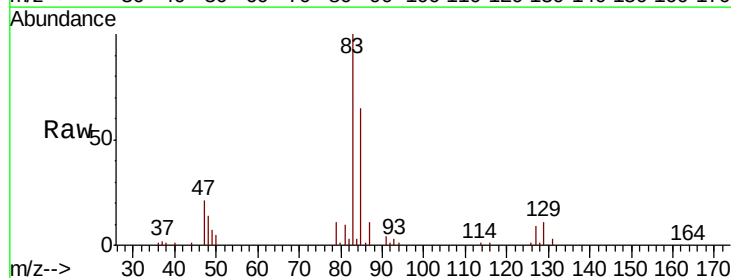
Instrument :
 MSVOA_V
 ClientSampleId :

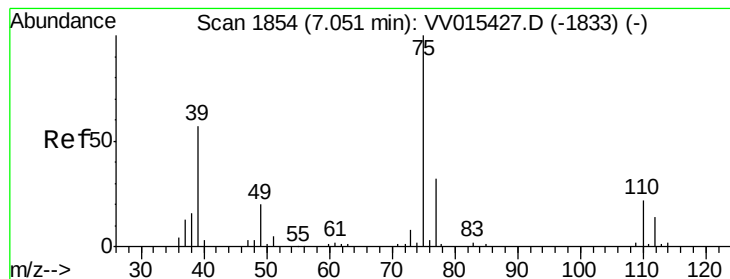
Tot Ion: 63 Resp: 43899
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.931 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 83 Resp: 57182
 Ion Ratio Lower Upper
 83 100
 85 64.6 42.6 79.2
 127 8.9 6.6 9.8



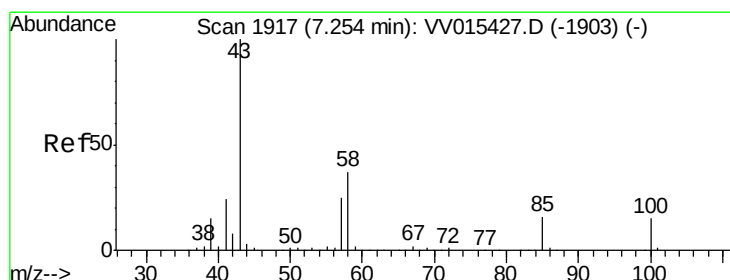
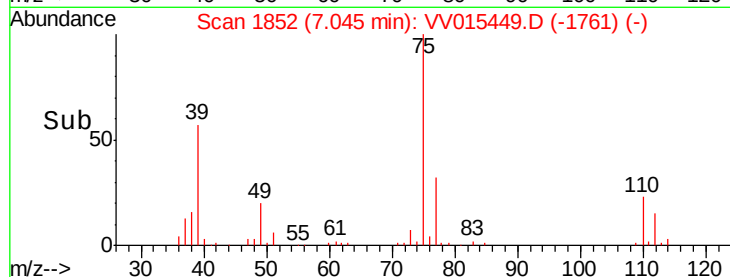
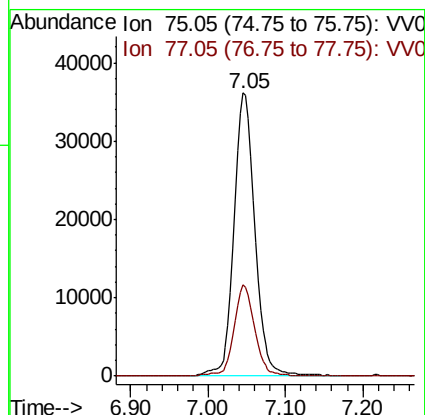
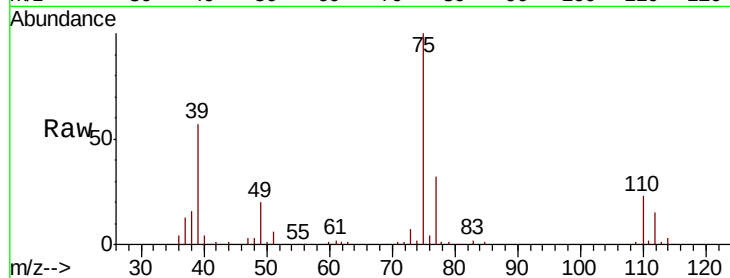


#39

cis-1,3-Dichloropropene
 Concen: 5.041 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Instrument :
 MSVOA_V
 ClientSampleId :

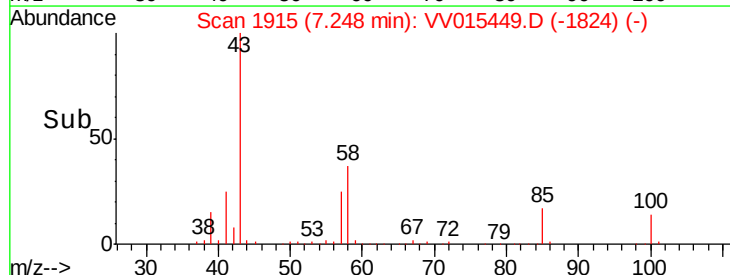
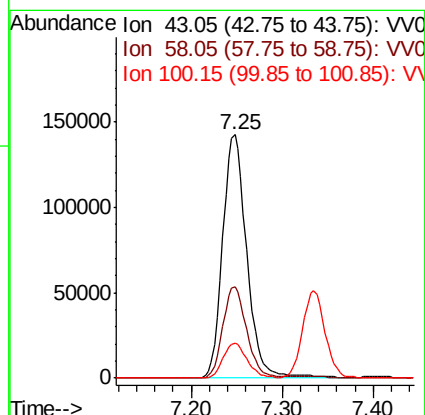
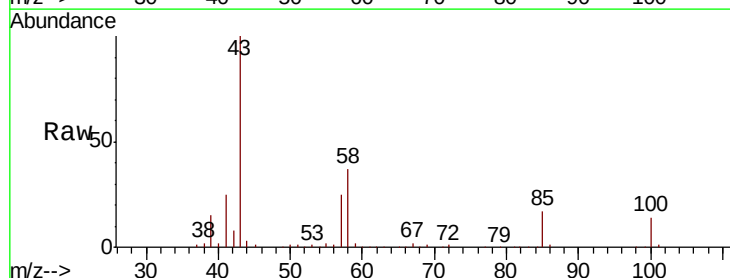
Tot Ion: 75 Resp: 67263
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.6

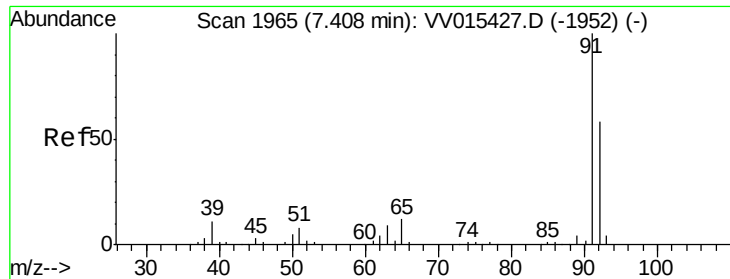


#40

4-Methyl-2-pentanone
 Concen: 46.076 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 43 Resp: 263078
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.0 43.6
 100 14.2 11.0 16.6





#42

Toluene

Concen: 5.011 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

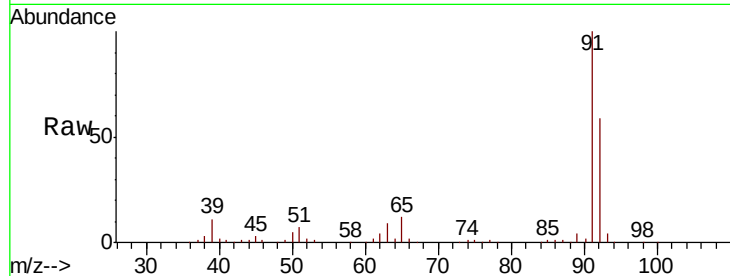
ClientSampled :

Tot Ion: 91 Resp: 190731

Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

120000

100000

80000

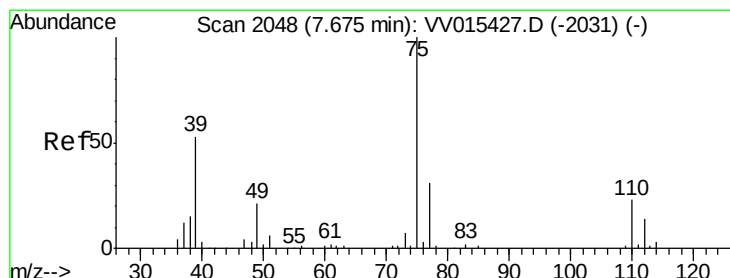
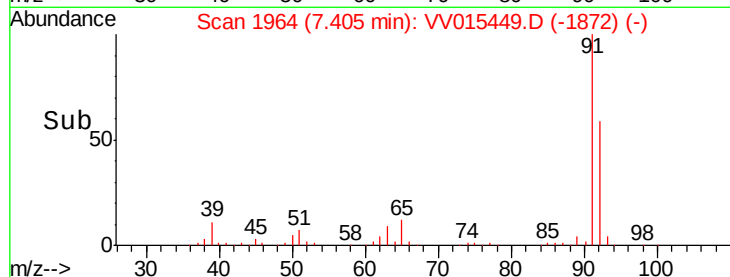
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.007 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.01 min

Lab File: VV015449.D

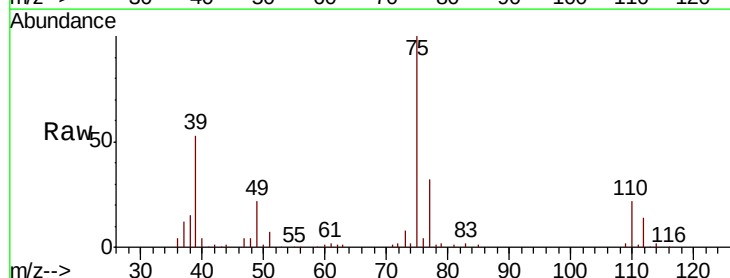
Acq: 10 Apr 2020 12:48

Tgt Ion: 75 Resp: 56492

Ion Ratio Lower Upper

75 100

77 32.1 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

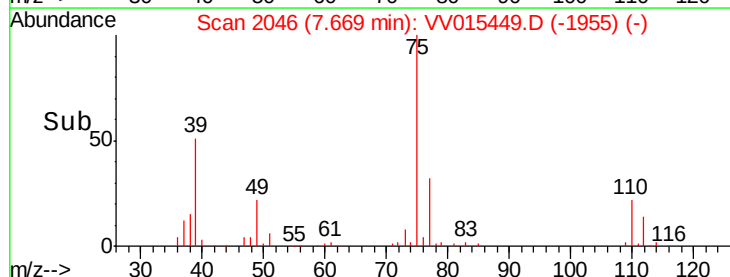
30000

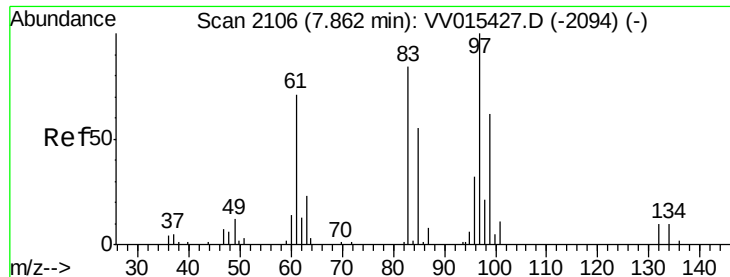
20000

10000

0

Time--> 7.60 7.65 7.70 7.75

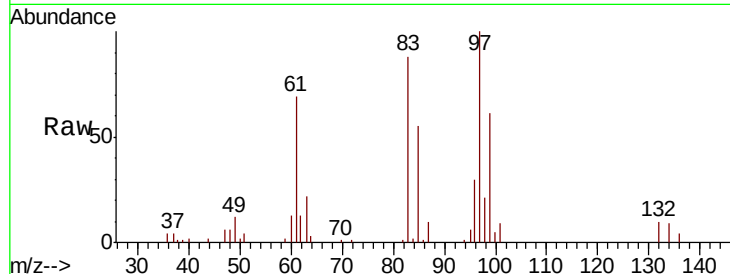




#45
 1,1,2-Trichloroethane
 Concen: 4.934 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	28842
Ion	Ratio	Lower	Upper
97	100		
99	60.8	41.3	76.7
83	87.7	60.5	112.3
85	55.0	36.8	68.4



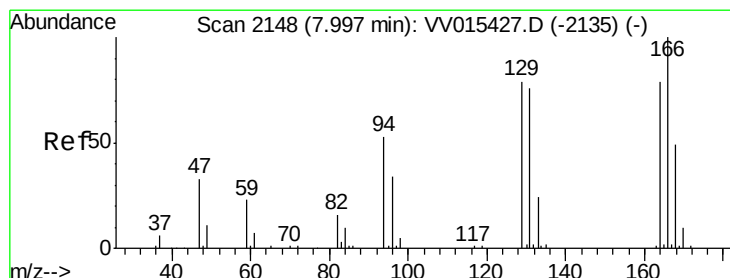
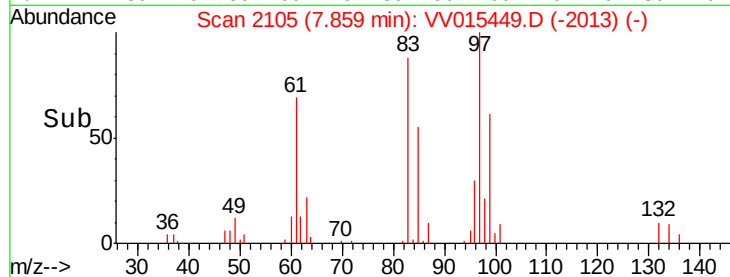
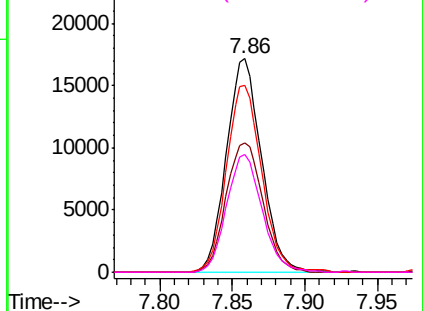
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

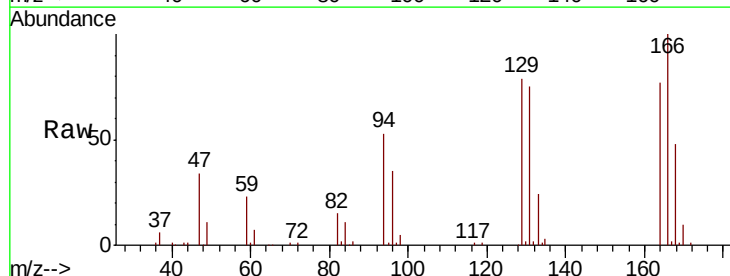
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.980 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion:	164	Resp:	34814
Ion	Ratio	Lower	Upper
164	100		
129	101.7	70.6	131.0
131	96.6	68.3	126.8
166	129.4	88.3	163.9



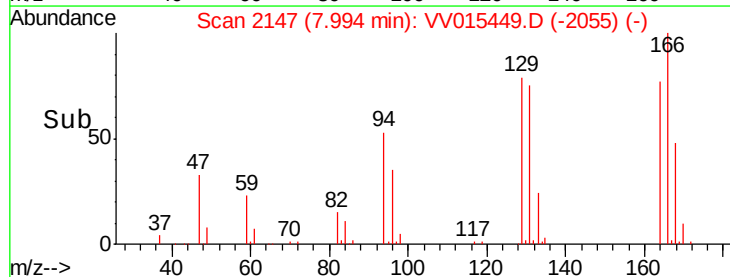
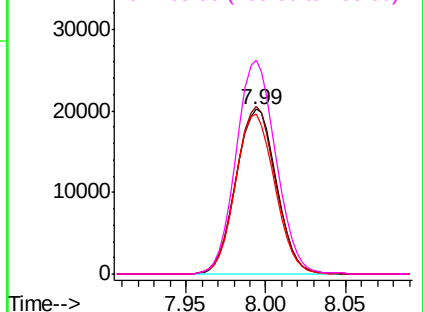
Abundance

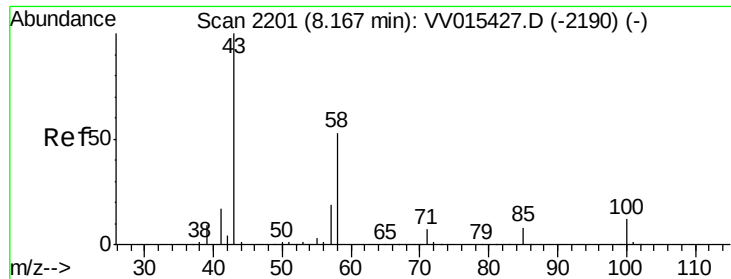
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

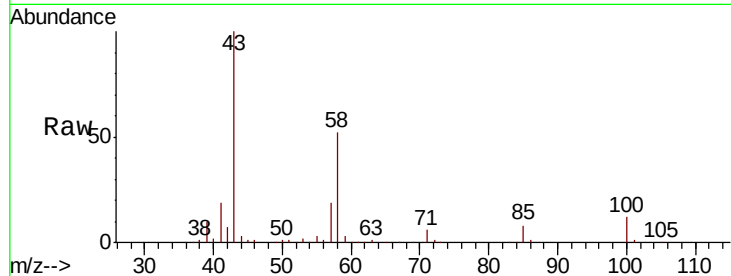




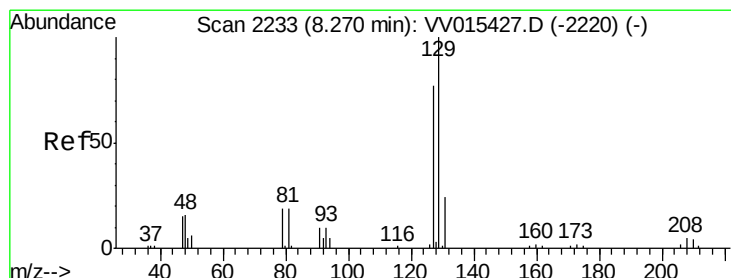
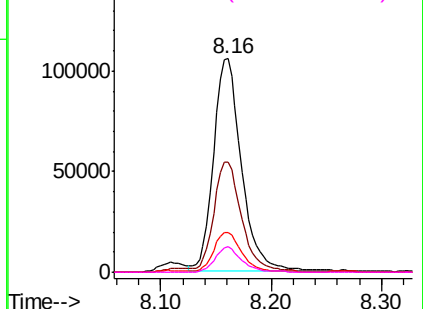
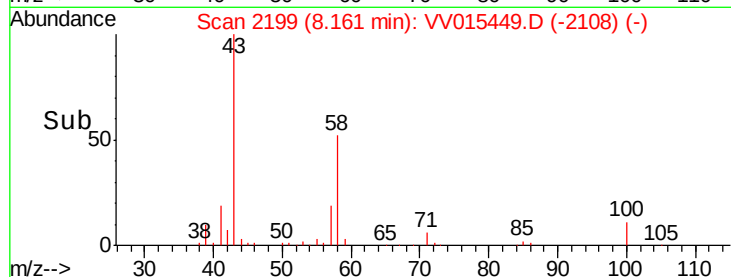
#48
2-Hexanone
Concen: 46.339 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 184862
Ion Ratio Lower Upper
43 100
58 54.3 41.4 62.0
57 19.1 15.0 22.4
100 11.6 9.4 14.2

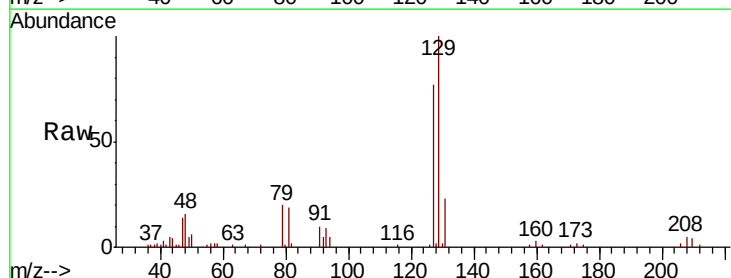


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

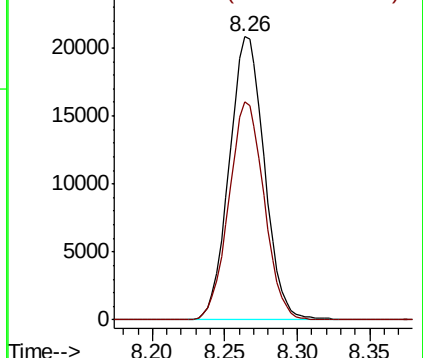
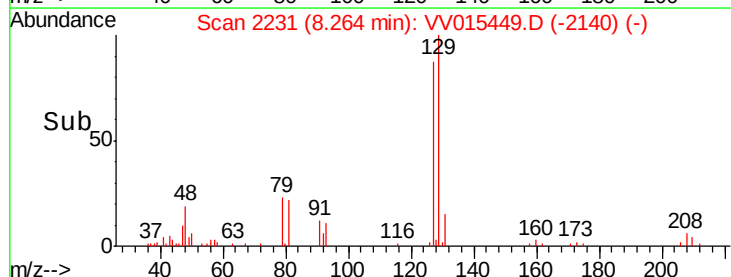


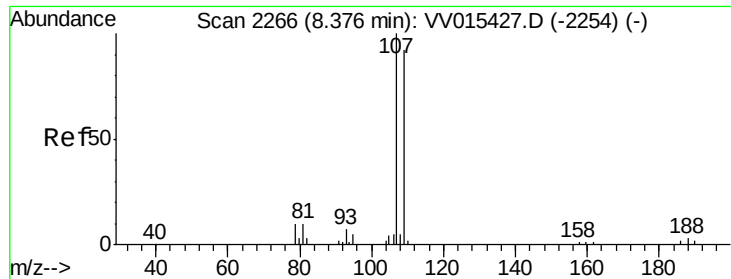
#49
Dibromochloromethane
Concen: 5.006 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Tgt Ion: 129 Resp: 35051
Ion Ratio Lower Upper
129 100
127 76.9 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

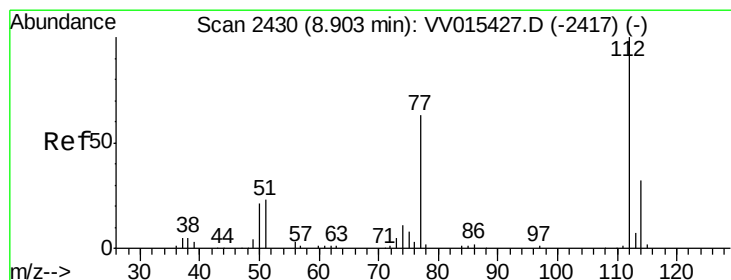
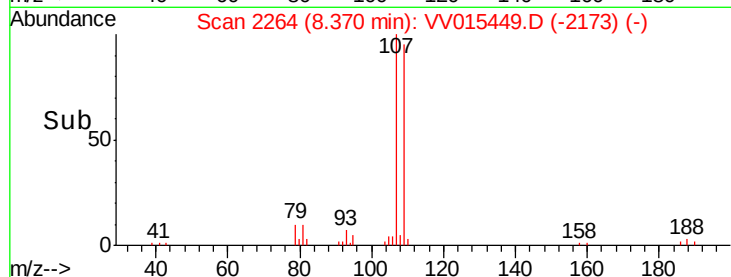
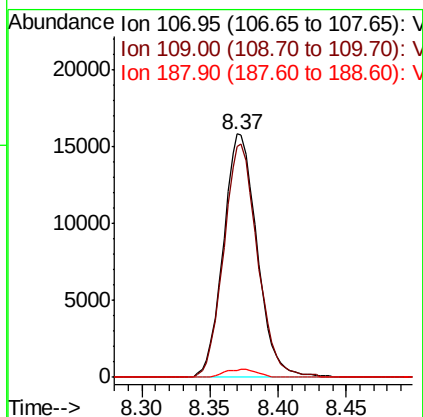
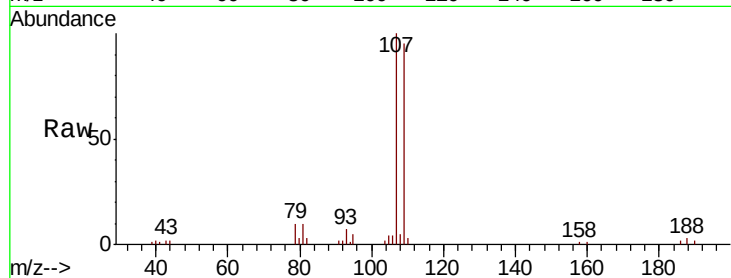




#50
1,2-Dibromoethane
Concen: 4.848 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.01 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

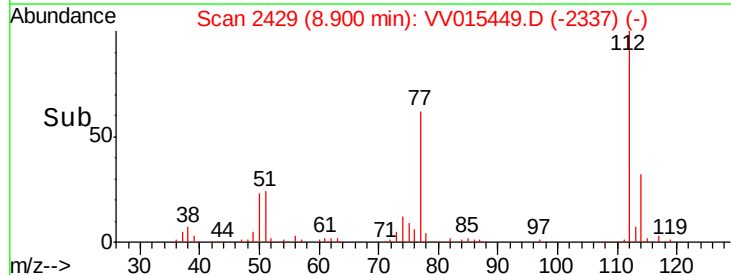
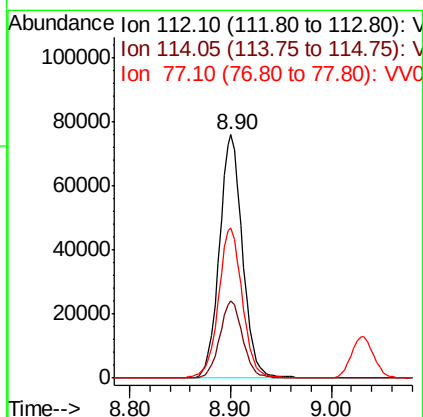
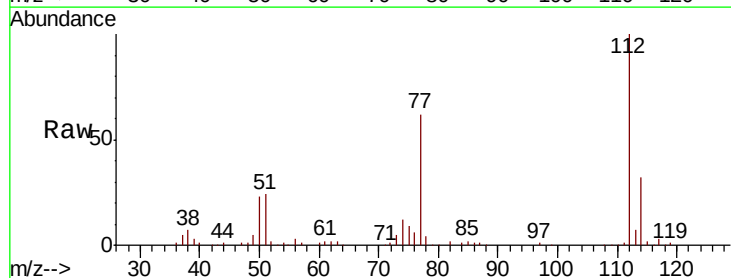
Instrument :
MSVOA_V
ClientSampleId :

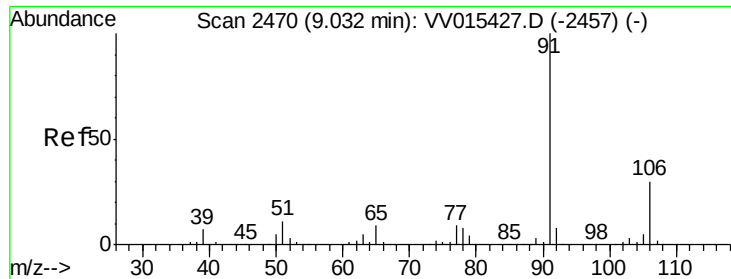
Tot Ion:107 Resp: 27157
Ion Ratio Lower Upper
107 100
109 95.0 66.7 123.9
188 2.8 2.9 4.3#



#51
Chlorobenzene
Concen: 5.012 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV015449.D
Acq: 10 Apr 2020 12:48

Tgt Ion:112 Resp: 121590
Ion Ratio Lower Upper
112 100
114 31.8 22.9 42.5
77 61.6 49.8 74.8





#52

Ethylbenzene

Concen: 5.117 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

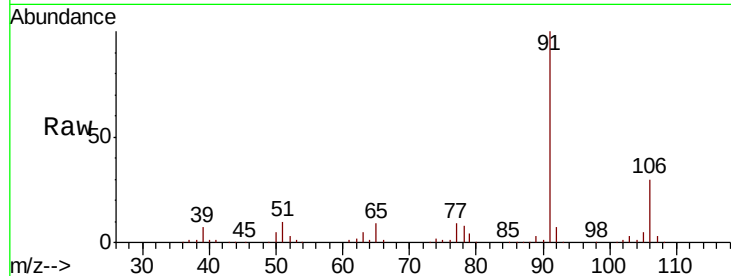
ClientSampleId :

Tot Ion: 91 Resp: 224197

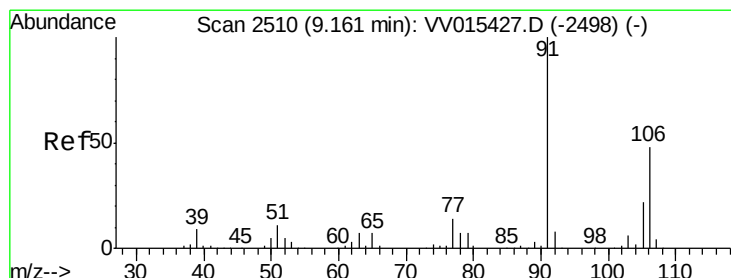
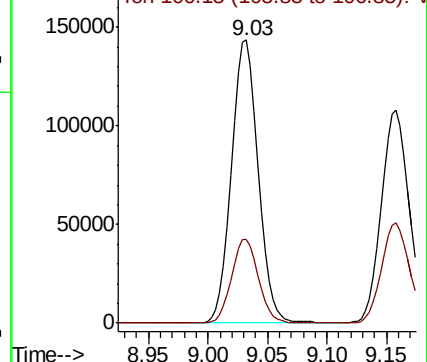
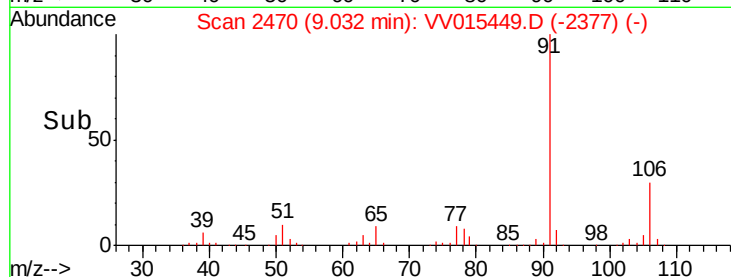
Ion Ratio Lower Upper

91 100

106 29.8 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015449.D (-2377) (-)



#53

m,p-xylene

Concen: 5.027 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015449.D

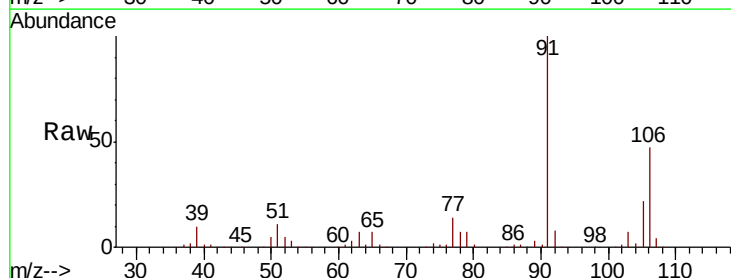
Acq: 10 Apr 2020 12:48

Tgt Ion: 106 Resp: 83185

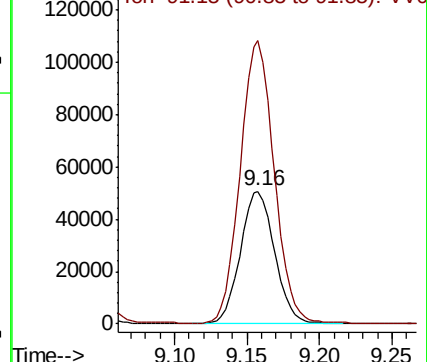
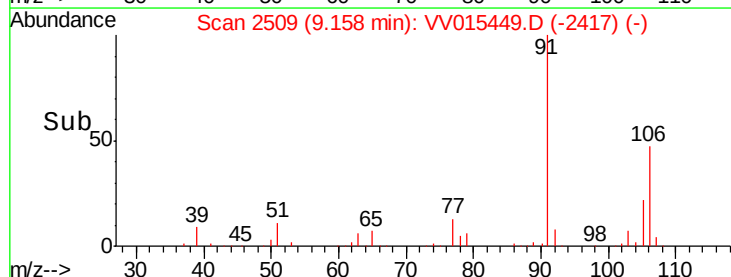
Ion Ratio Lower Upper

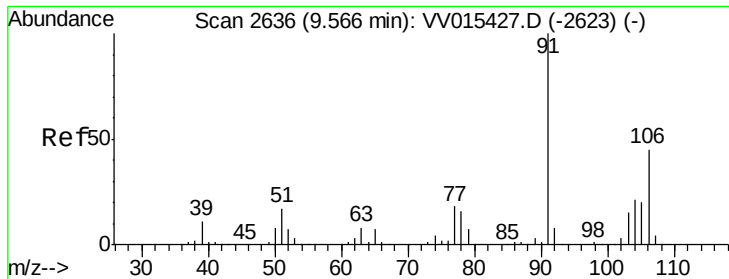
106 100

91 213.7 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015449.D (-2417) (-)





#54

o-xylene

Concen: 5.000 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

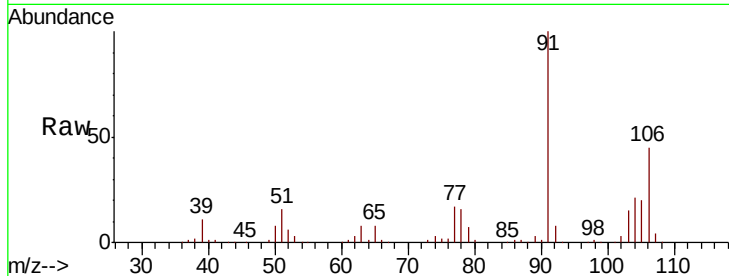
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 80079

Ion Ratio Lower Upper

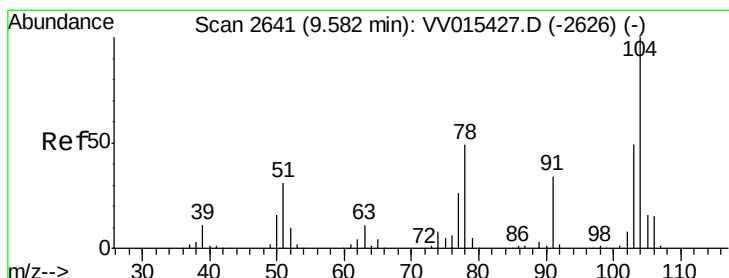
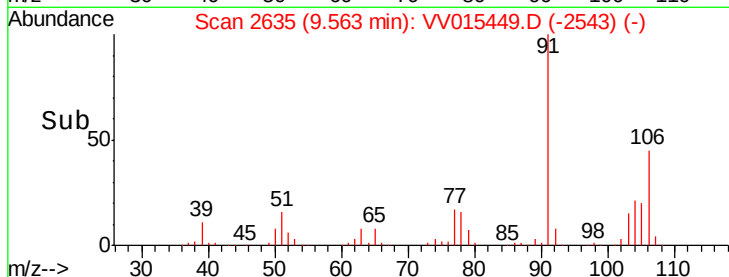
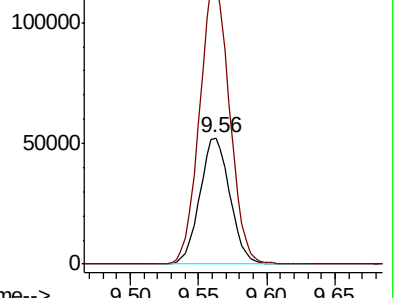
106 100

91 223.6 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.998 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV015449.D

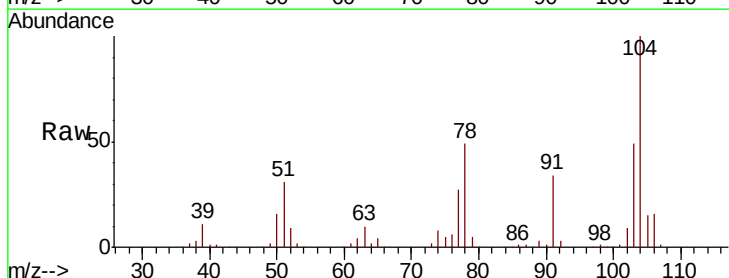
Acq: 10 Apr 2020 12:48

Tgt Ion:104 Resp: 134548

Ion Ratio Lower Upper

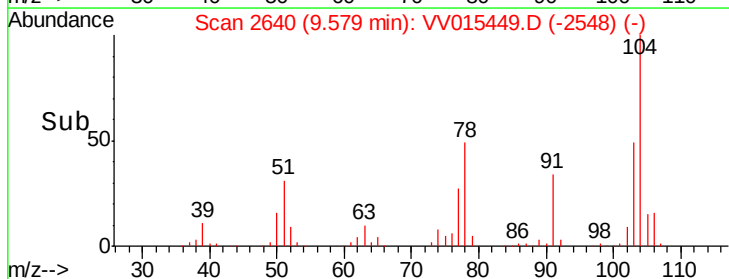
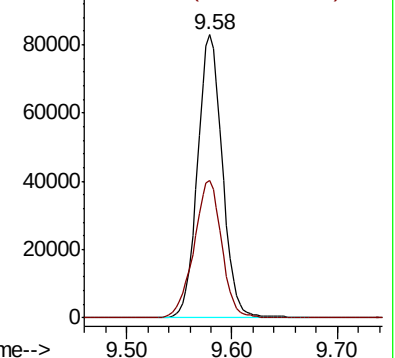
104 100

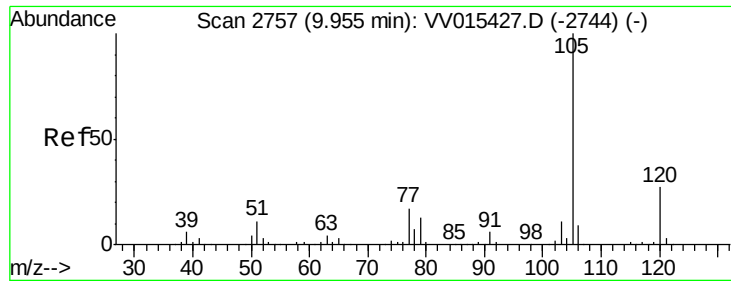
78 48.6 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.046 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

ClientSampleId :

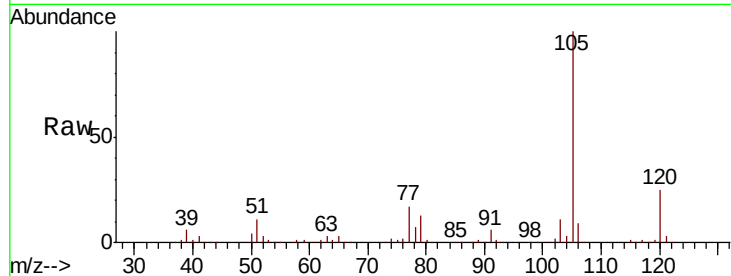
Tot Ion:105 Resp: 221589

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

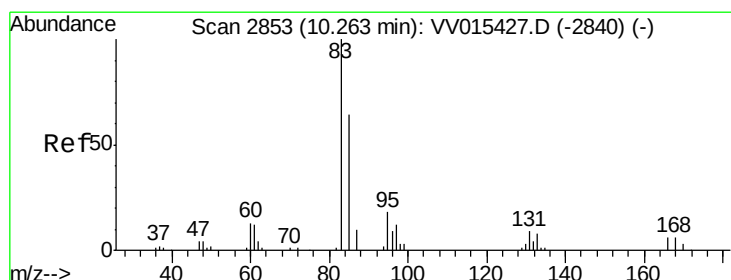
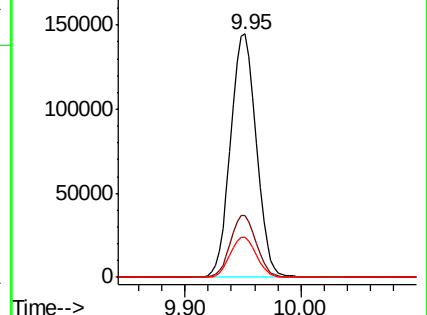
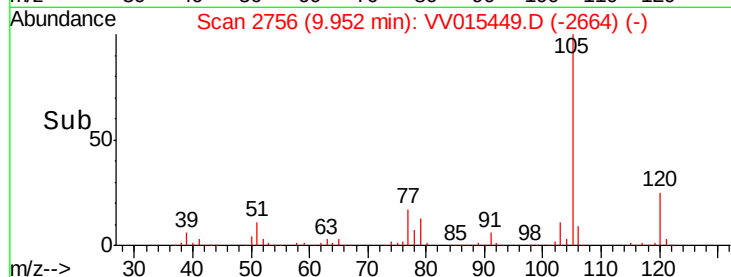
77 16.9 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.853 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

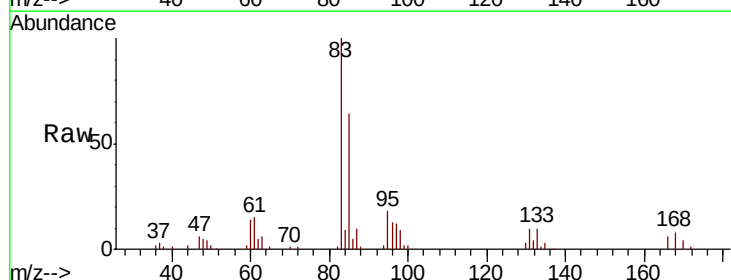
Tgt Ion: 83 Resp: 34524

Ion Ratio Lower Upper

83 100

85 64.2 44.5 82.7

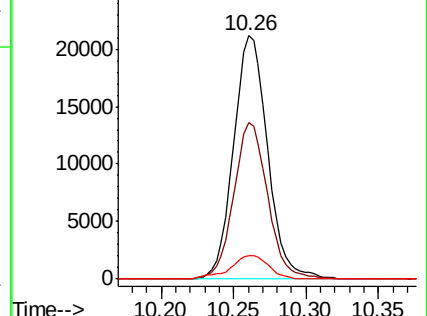
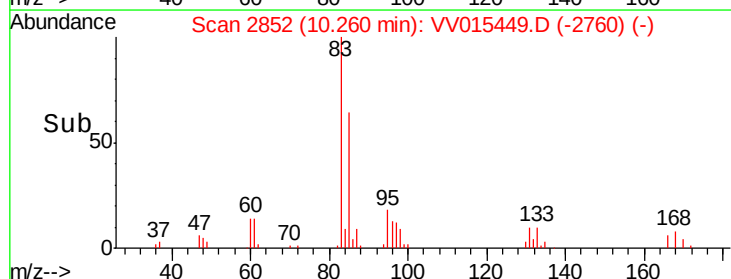
131 9.9 7.5 11.3

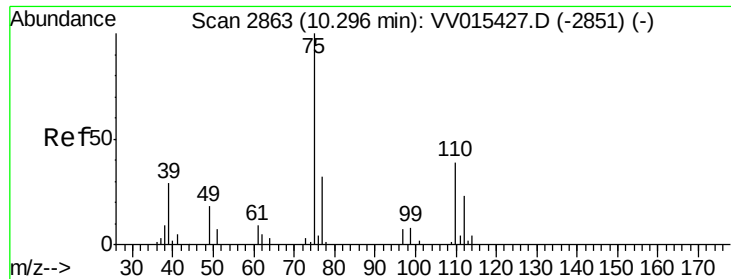


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

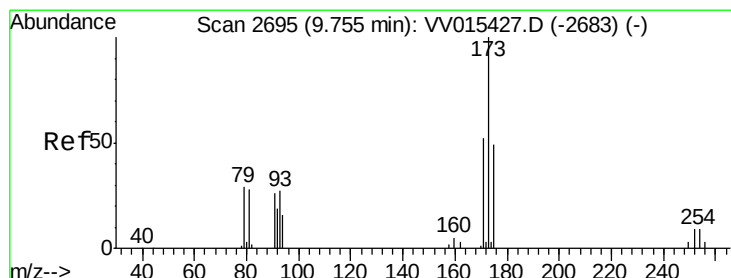
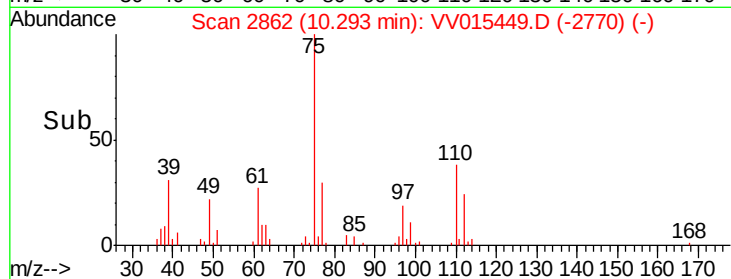
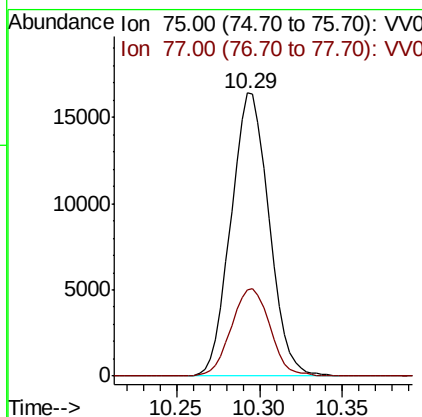
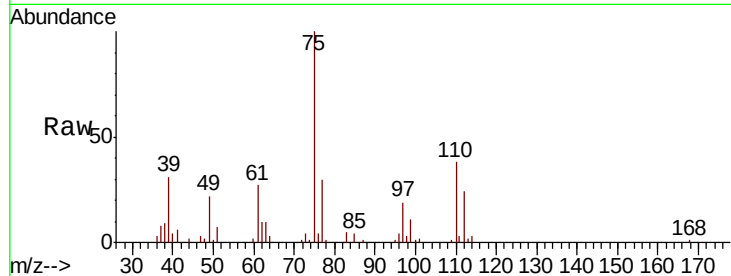




#59
 1,2,3-Trichloropropane
 Concen: 4.876 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

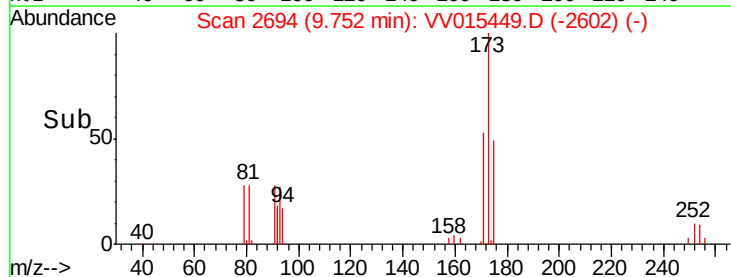
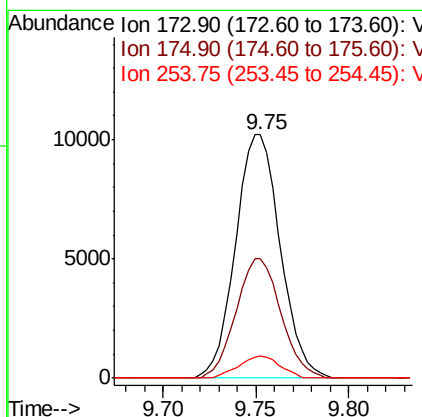
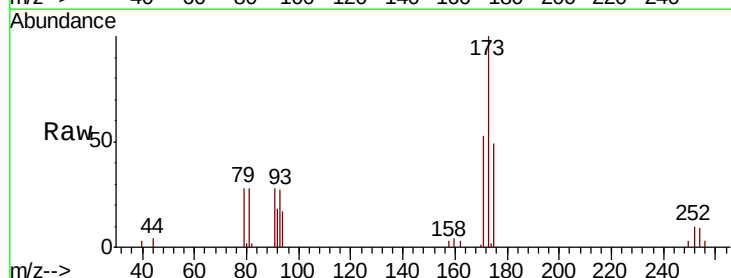
Instrument :
 MSVOA_V
 ClientSampleId :

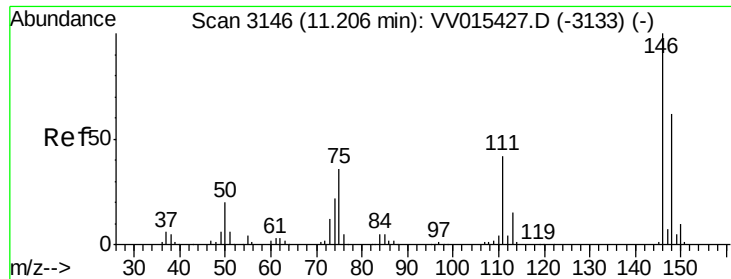
Tot Ion: 75 Resp: 26217
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0



#61
 Bromoform
 Concen: 4.830 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 173 Resp: 17073
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.2 57.2
 254 8.3 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.998 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

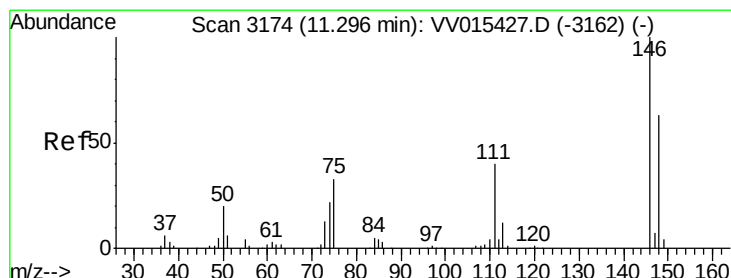
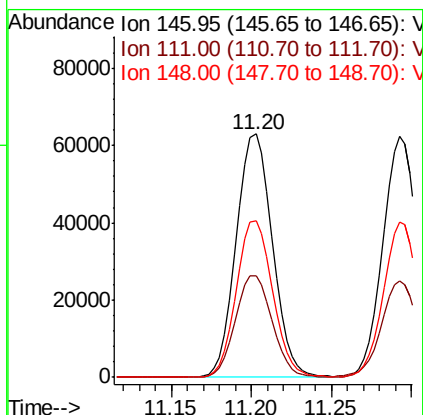
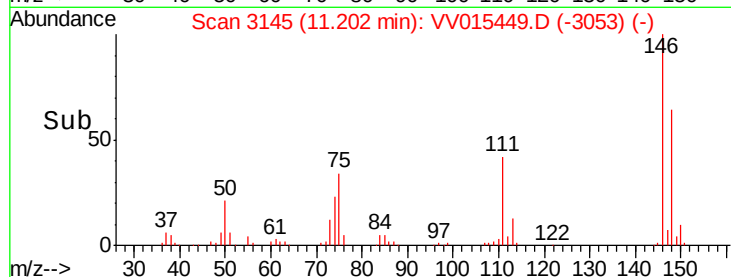
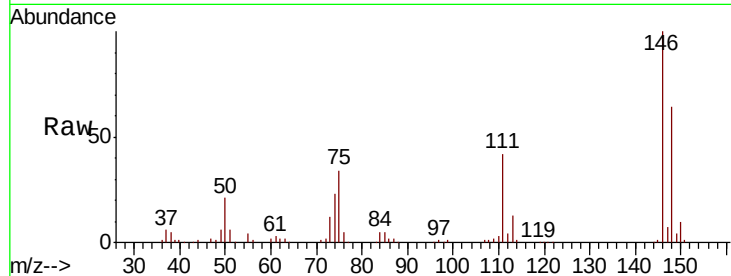
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 97120

Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.3	54.5
148	64.1	42.4	78.6



#63

1,4-Dichlorobenzene

Concen: 4.909 ug/L

RT: 11.29 min Scan# 3173

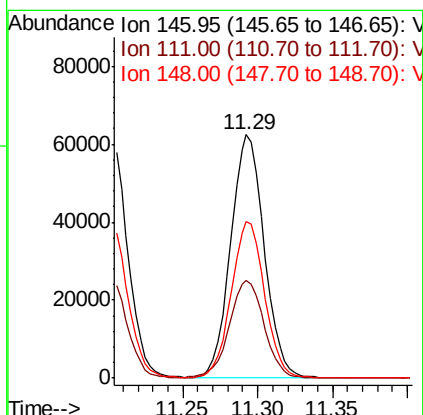
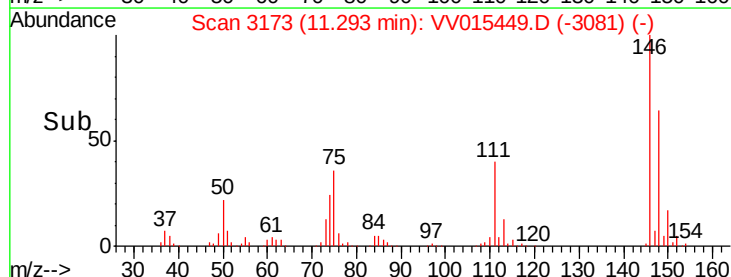
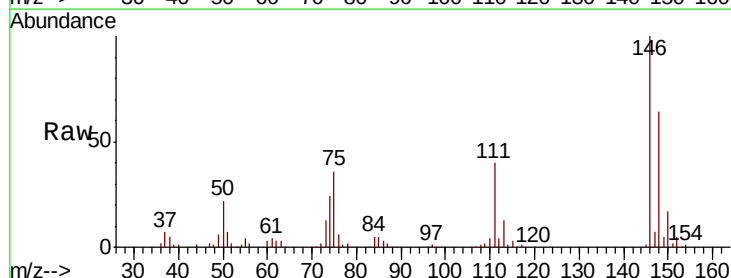
Delta R.T. -0.00 min

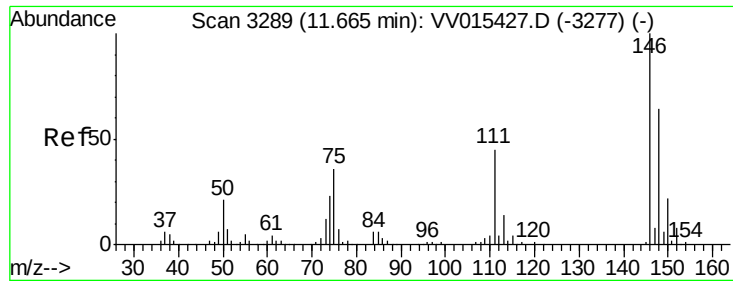
Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Tgt Ion:146 Resp: 97067

Ion	Ratio	Lower	Upper
146	100		
111	40.1	29.4	54.6
148	64.4	44.3	82.3

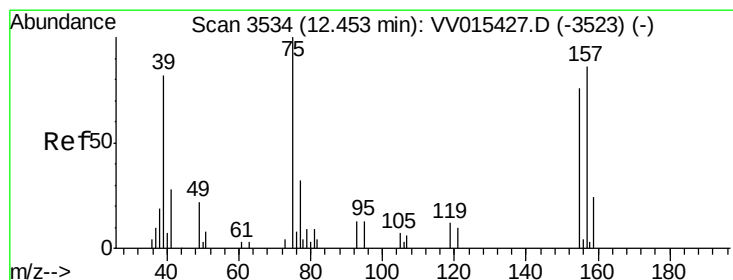
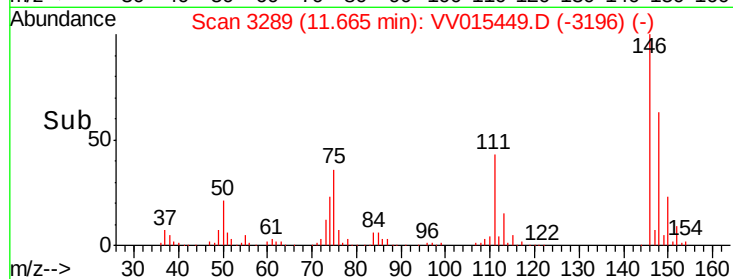
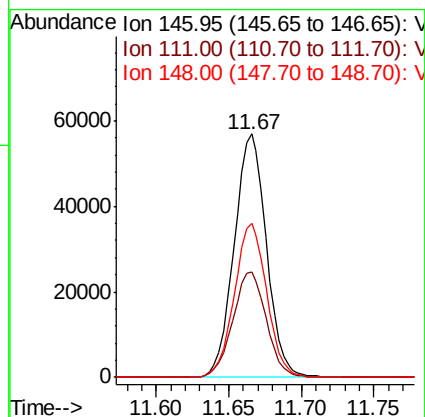
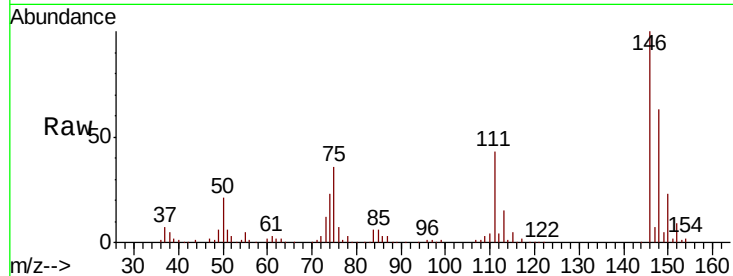




#65
 1,2-Dichlorobenzene
 Concen: 4.949 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

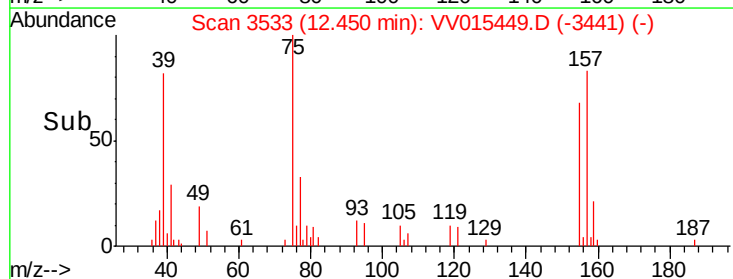
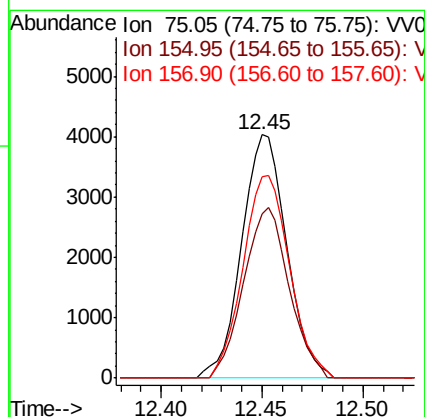
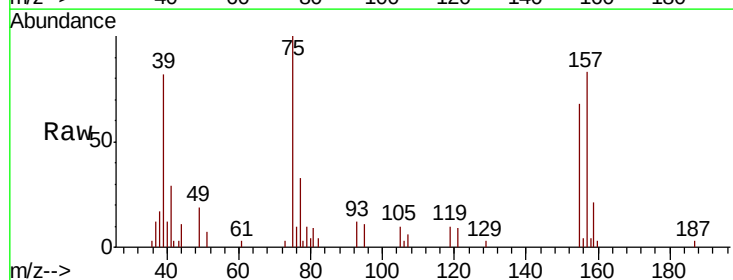
Instrument :
 MSVOA_V
 ClientSampleId :

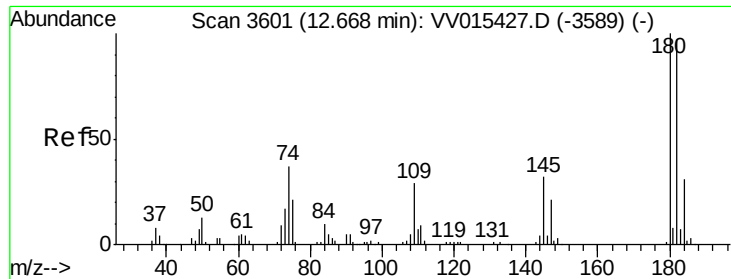
Tot Ion:146 Resp: 87683
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.8 53.6
 148 63.1 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.668 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion: 75 Resp: 6328
 Ion Ratio Lower Upper
 75 100
 155 67.7 60.8 91.2
 157 82.5 75.7 113.5

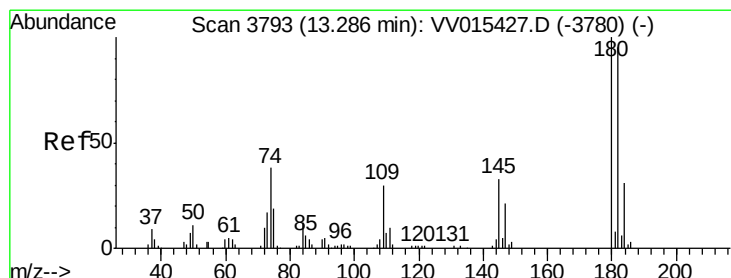
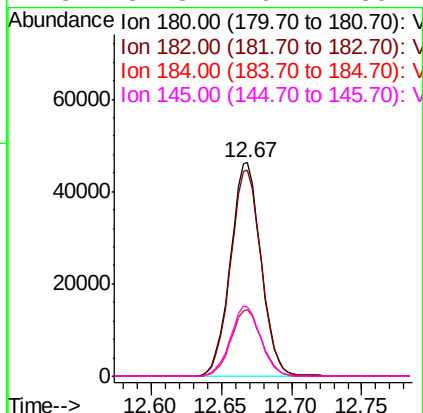
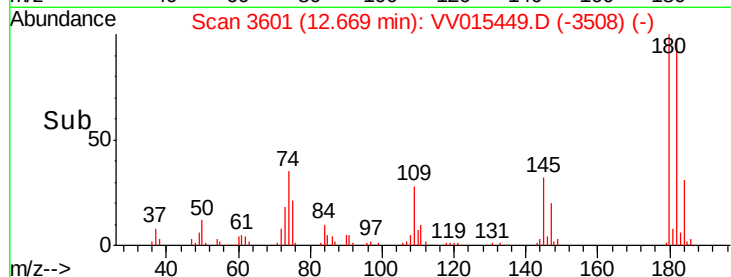
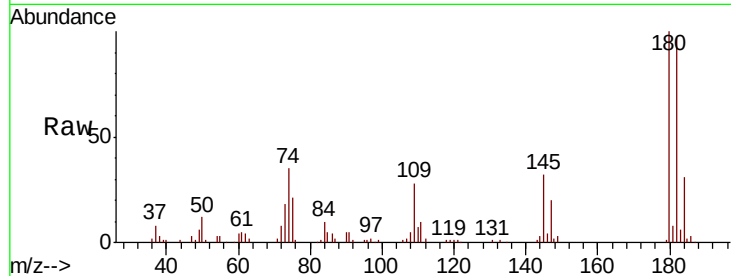




#67
 1,3,5-Trichlorobenzene
 Concen: 5.011 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

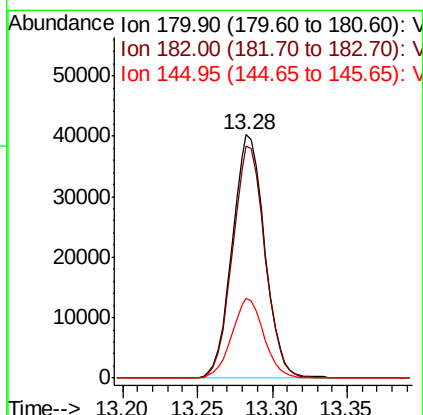
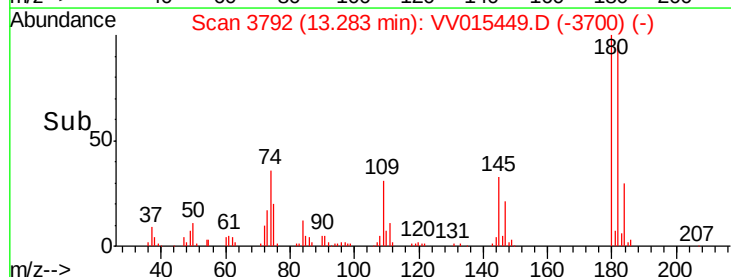
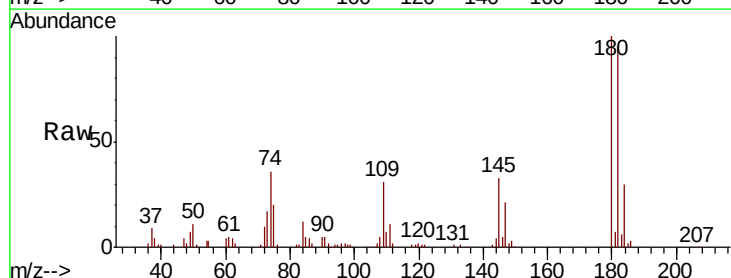
Instrument :
 MSVOA_V
 ClientSampleId :

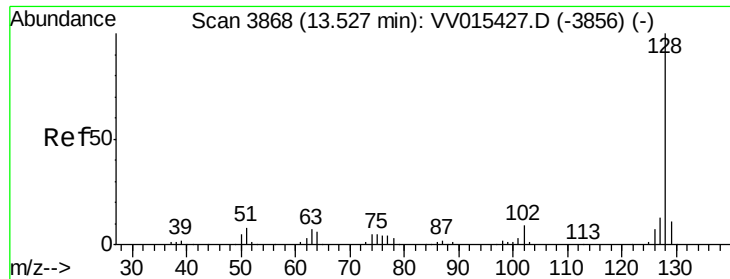
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
184	31.1	24.0	36.0
145	32.3	26.1	39.1



#68
 1,2,4-trichlorobenzene
 Concen: 4.810 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015449.D
 Acq: 10 Apr 2020 12:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
145	32.2	25.9	38.9





#69

Naphthalene

Concen: 3.891 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

Instrument :

MSVOA_V

ClientSampleId :

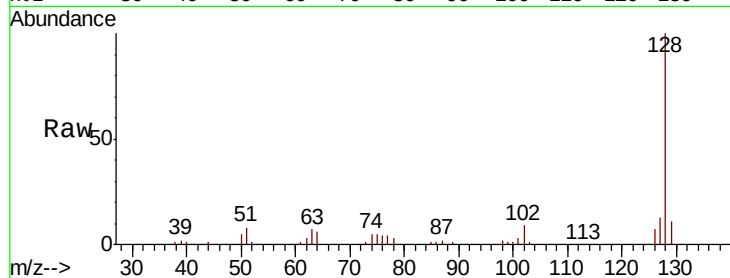
Tot Ion:128 Resp: 92726

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

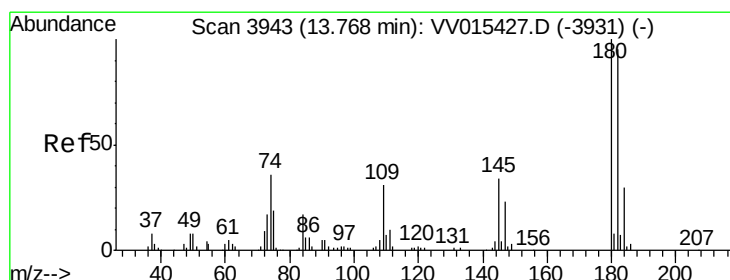
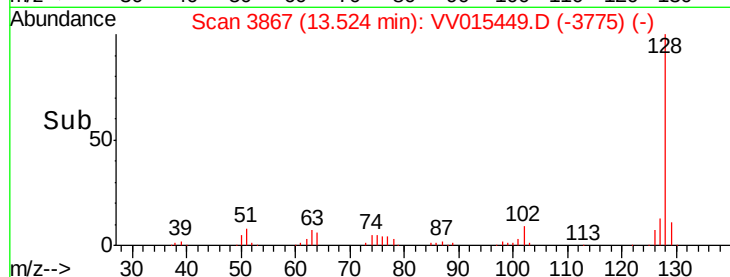
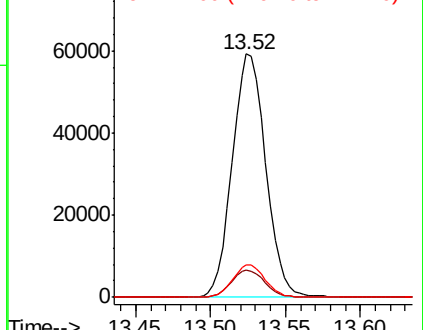
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.575 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015449.D

Acq: 10 Apr 2020 12:48

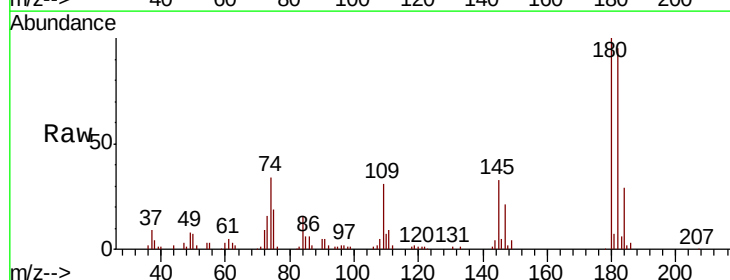
Tgt Ion:180 Resp: 51117

Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

145 34.4 28.2 42.2



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

