

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015415.D
 Acq On : 09 Apr 2020 12:50
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 02:25:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114888	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	110468	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56167	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30138	3.82	ug/L	0.00
7) Chloroethane-d5	1.57	69	27543	3.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	63643	3.59	ug/L	0.00
20) 2-Butanone-d5	3.98	46	86115	46.41	ug/L	0.00
24) Chloroform-d	4.37	84	67267	4.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	37057	5.14	ug/L	0.00
32) Benzene-d6	5.07	84	123713	4.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	38942	4.94	ug/L	0.00
41) Toluene-d8	7.33	98	119987	4.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	17244	5.20	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	81866	56.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31141	5.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	44936	4.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	59036	5.445 ug/L	100
3) Chloromethane	1.24	50	55668	4.984 ug/L	100
5) Vinyl chloride	1.31	62	54181	4.698 ug/L	100
6) Bromomethane	1.53	94	29222	4.031 ug/L	100
8) Chloroethane	1.59	64	31093	4.544 ug/L	100
9) Trichlorofluoromethane	1.76	101	68766	4.177 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	38783	3.792 ug/L	100
12) 1,1-Dichloroethene	2.13	96	36456	3.725 ug/L	100
13) Acetone	2.25	43	23129	18.173 ug/L	# 57
14) Carbon disulfide	2.30	76	129311	4.107 ug/L	100
15) Methyl Acetate	2.47	43	14946	3.810 ug/L	100
16) Methylene chloride	2.52	84	40856	3.511 ug/L	100
17) Methyl tert-butyl Ether	2.79	73	97856	4.376 ug/L	100
18) trans-1,2-Dichloroethene	2.77	96	42054	4.063 ug/L	100
19) 1,1-Dichloroethane	3.21	63	78919	4.385 ug/L	100
21) 2-Butanone	4.05	43	94130	45.343 ug/L	100
22) cis-1,2-Dichloroethene	3.94	96	43974	4.140 ug/L	100
23) Bromochloromethane	4.27	128	18162	4.174 ug/L	100
25) Chloroform	4.40	83	80010	3.958 ug/L	100
27) 1,2-Dichloroethane	5.16	62	53198	5.862 ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	73270	4.389 ug/L	100
30) Cyclohexane	4.70	56	77748	4.819 ug/L	100
31) Carbon tetrachloride	4.85	117	64026	4.440 ug/L	100
33) Benzene	5.12	78	170697	5.757 ug/L	100
34) Trichloroethene	5.94	95	44809	5.342 ug/L	100
35) Methylcyclohexane	6.15	83	78325	5.366 ug/L	100
37) 1,2-Dichloropropane	6.20	63	41890	5.847 ug/L	100
38) Bromodichloromethane	6.53	83	56643	5.740 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	65050	5.775 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	278593	66.769 ug/L	100

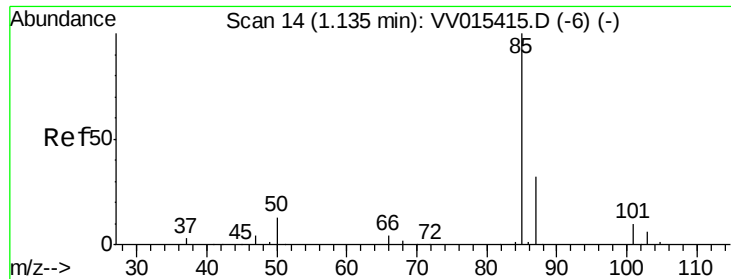
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	184549	5.256	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	55111	5.739	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	28450	5.327	ug/L	100
47) Tetrachloroethene	8.00	164	33952	5.497	ug/L	100
48) 2-Hexanone	8.16	43	197874	66.786	ug/L	100
49) Dibromochloromethane	8.27	129	33708	5.342	ug/L	100
50) 1,2-Dibromoethane	8.37	107	27109	5.344	ug/L	100
51) Chlorobenzene	8.90	112	116649	5.139	ug/L	100
52) Ethylbenzene	9.03	91	214893	5.308	ug/L	100
53) m,p-xylene	9.16	106	80355	5.153	ug/L	100
54) o-xylene	9.57	106	78126	5.175	ug/L	100
55) Styrene	9.58	104	132307	5.299	ug/L	100
56) Isopropylbenzene	9.95	105	212080	5.235	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	34679	5.622	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	26349	5.653	ug/L	100
61) Bromoform	9.76	173	16798	5.671	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	93753	5.070	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	93003	5.011	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	83741	5.073	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	6542	5.476	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	67252	5.212	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	59571	5.233	ug/L	100
69) Naphthalene	13.53	128	111769	4.265	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	52930	5.391	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.445 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015415.D

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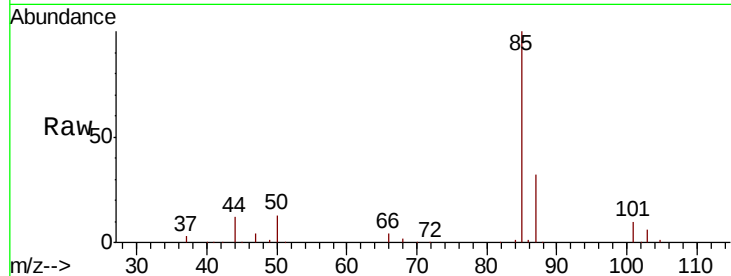
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 59036

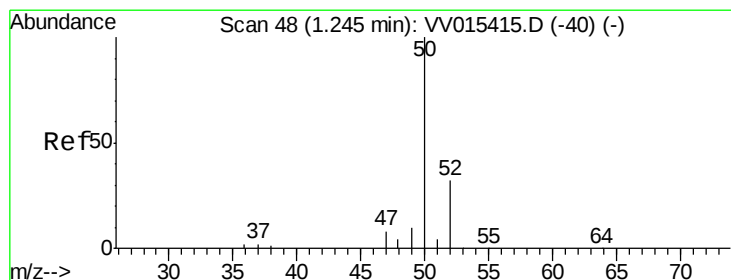
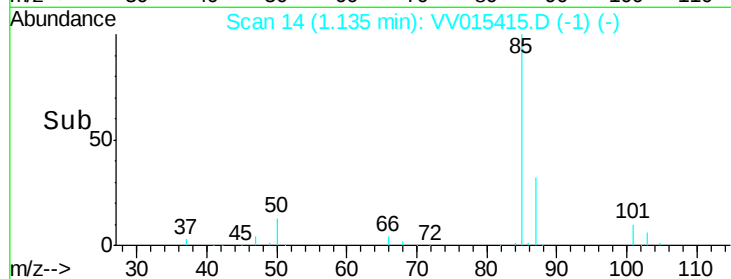
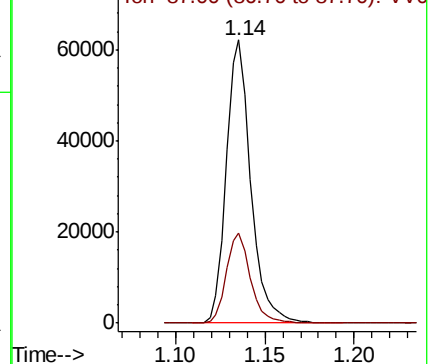
Ion Ratio Lower Upper

85 100

87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.984 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015415.D

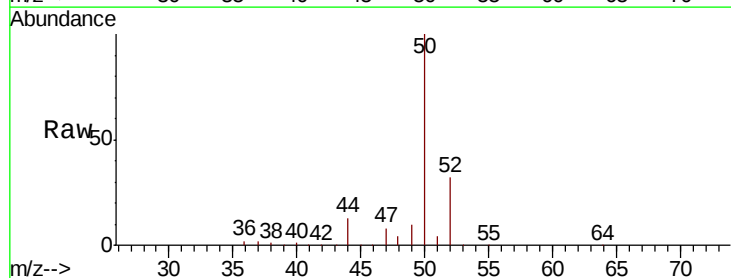
Acq: 09 Apr 2020 12:50

Tgt Ion: 50 Resp: 55668

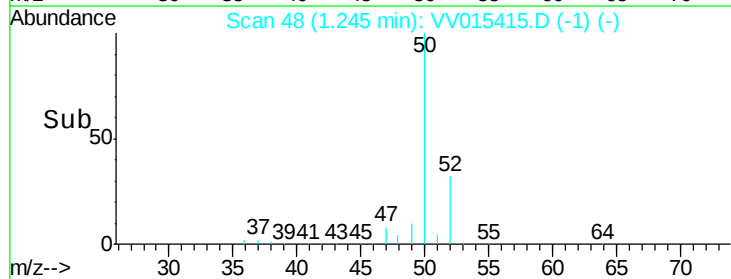
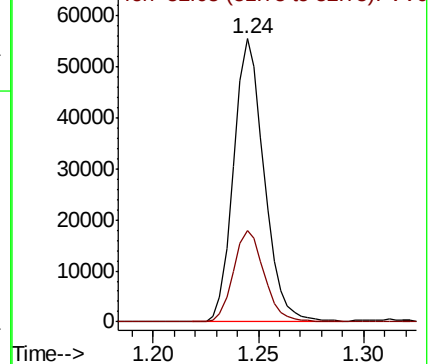
Ion Ratio Lower Upper

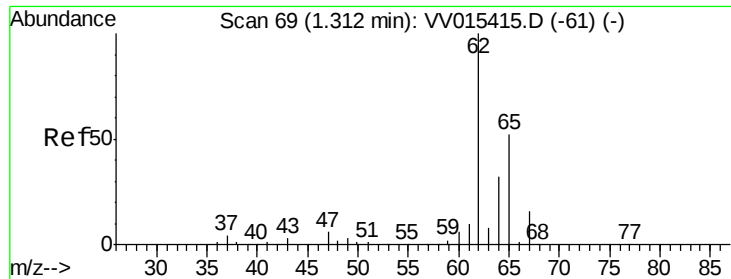
50 100

52 32.4 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.698 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

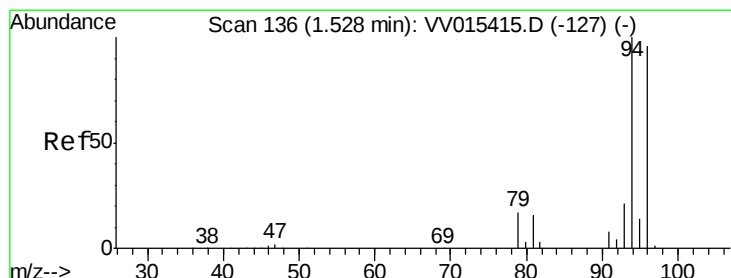
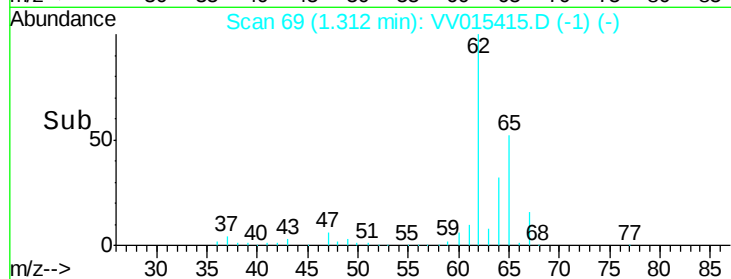
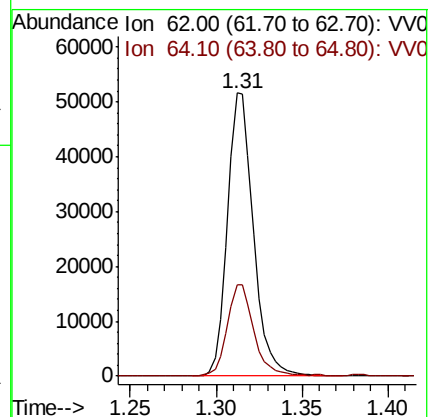
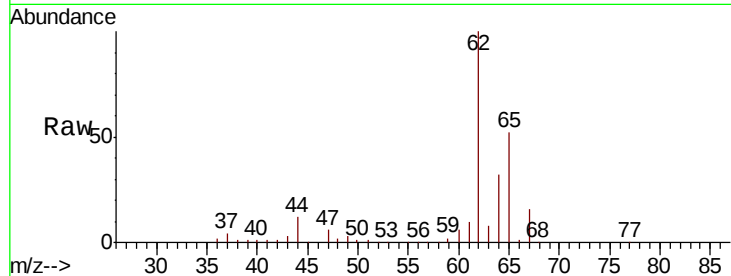
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 54181

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 4.031 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015415.D

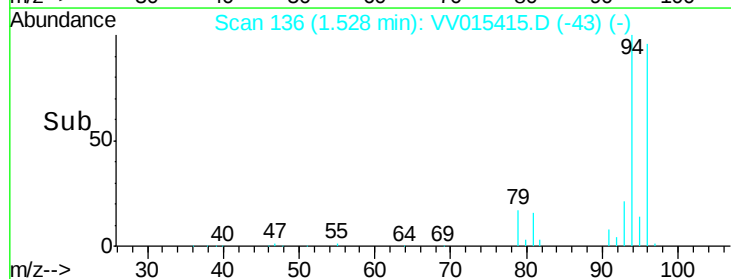
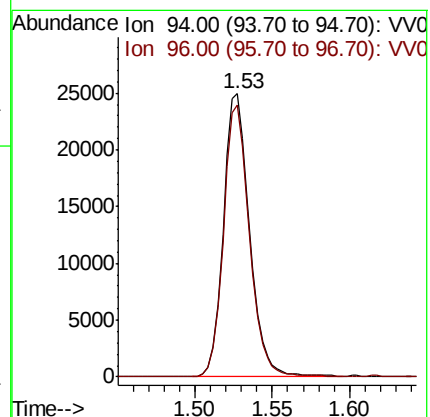
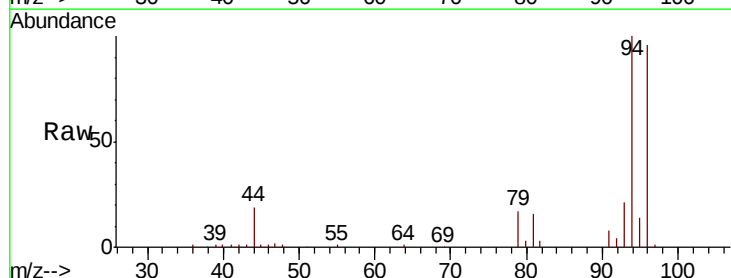
Acq: 09 Apr 2020 12:50

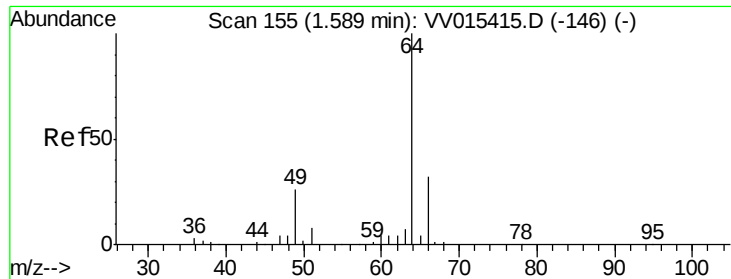
Tgt Ion: 94 Resp: 29222

Ion Ratio Lower Upper

94 100

96 96.0 67.2 124.8

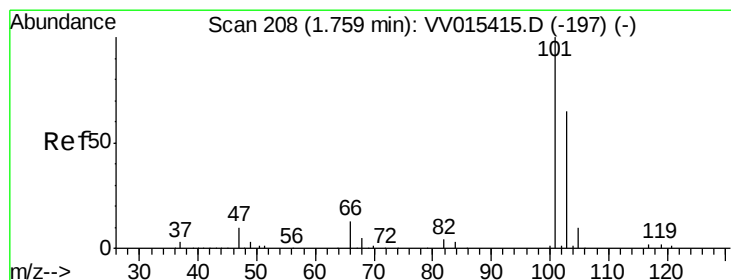
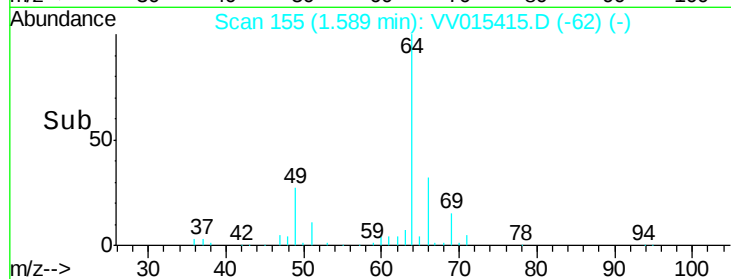
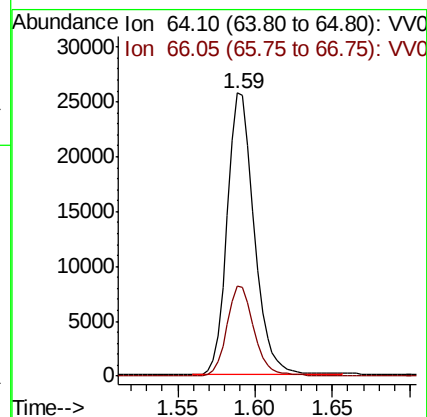
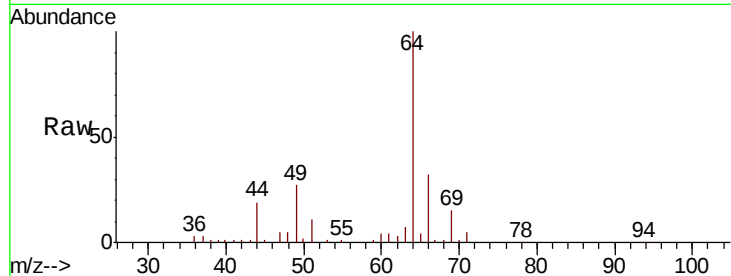




#8
 Chloroethane
 Concen: 4.544 ug/L
 RT: 1.59 min Scan# 155
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

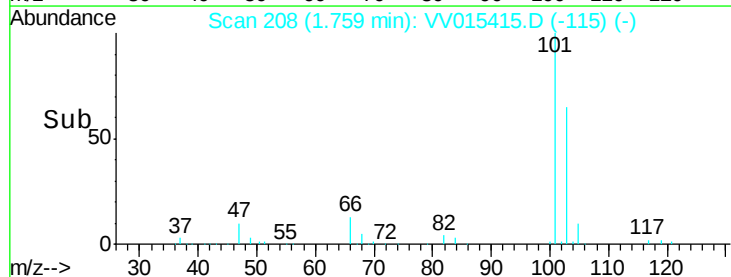
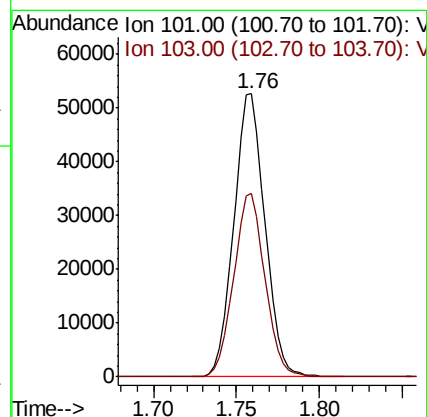
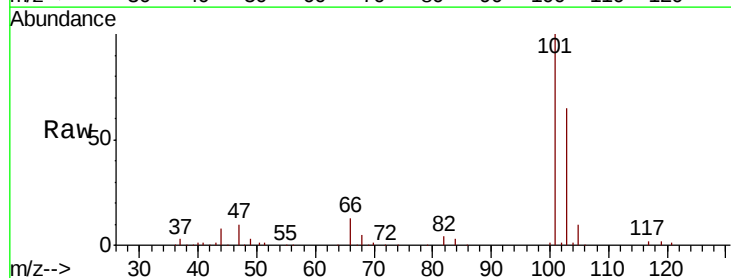
Instrument :
 MSVOA_V
 ClientSampled :

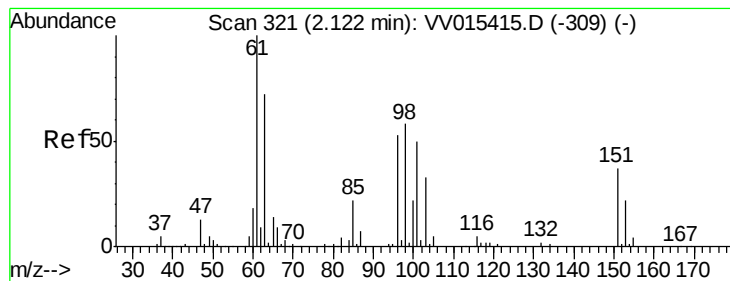
Tot Ion: 64 Resp: 31093
 Ion Ratio Lower Upper
 64 100
 66 31.9 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 4.177 ug/L
 RT: 1.76 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion:101 Resp: 68766
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9





#10

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

Concen: 3.792 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :

MSVOA_V

ClientSampleId :

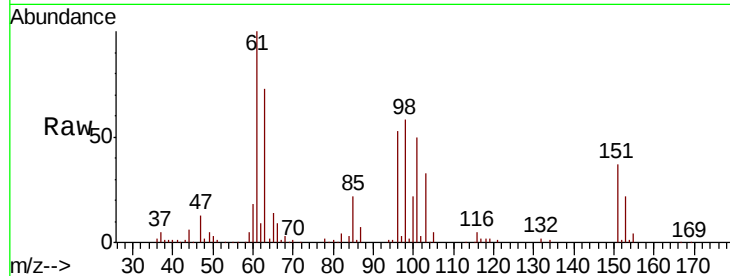
Tot Ion:101 Resp: 38783

Ion Ratio Lower Upper

101 100

85 45.4 36.3 54.5

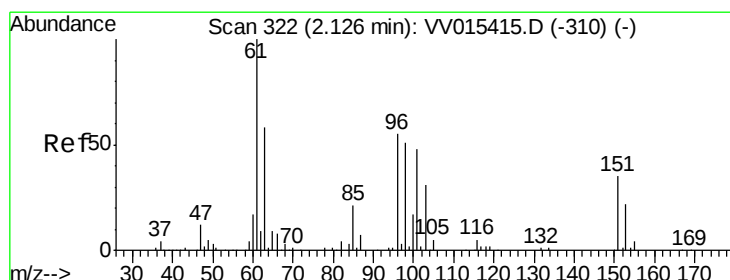
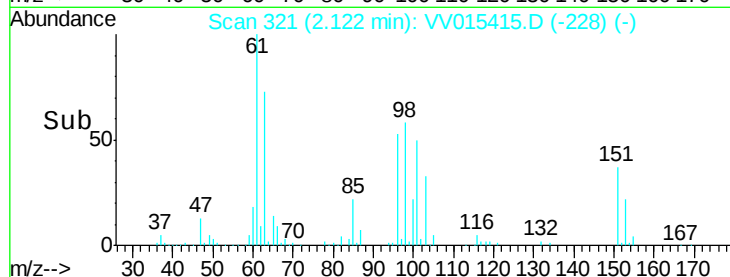
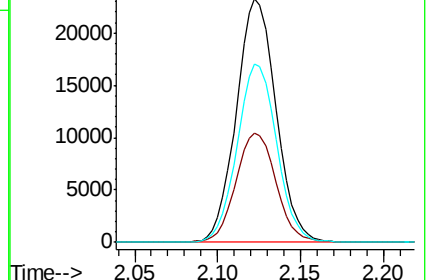
151 72.8 58.2 87.4



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: 3.725 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

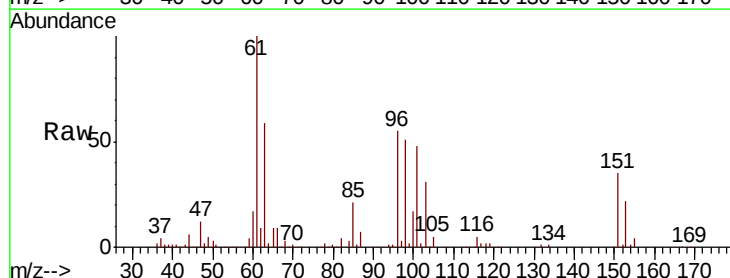
Tgt Ion: 96 Resp: 36456

Ion Ratio Lower Upper

96 100

61 182.4 127.7 237.1

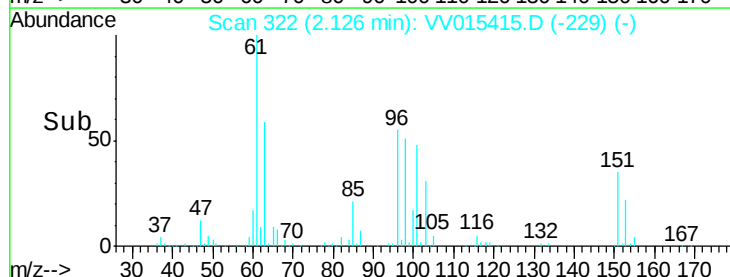
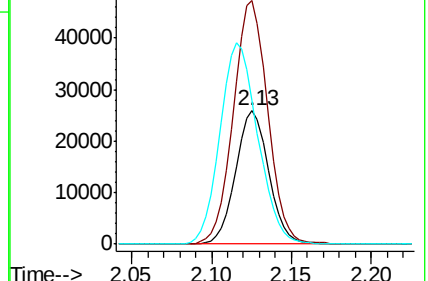
63 107.3 75.1 139.5

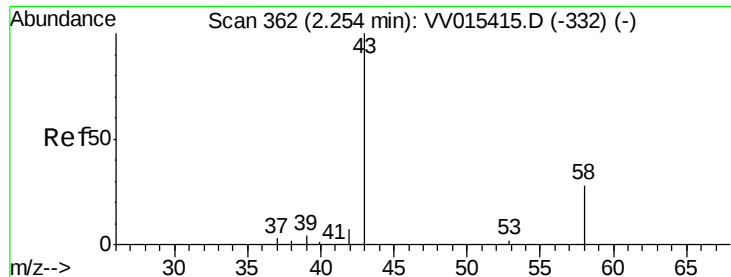


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.173 ug/L

RT: 2.25 min Scan# 362

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

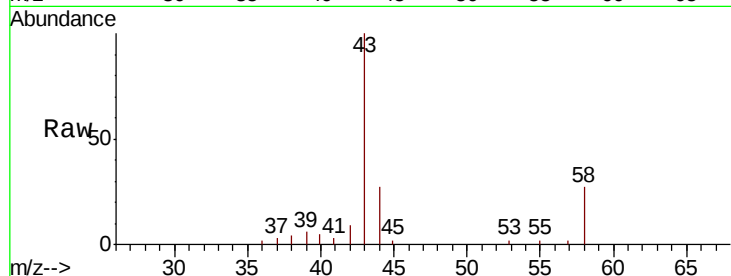
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 23129

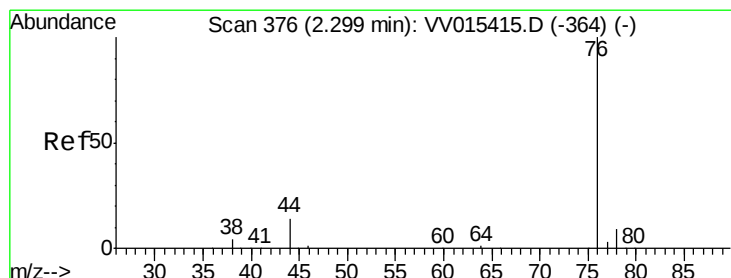
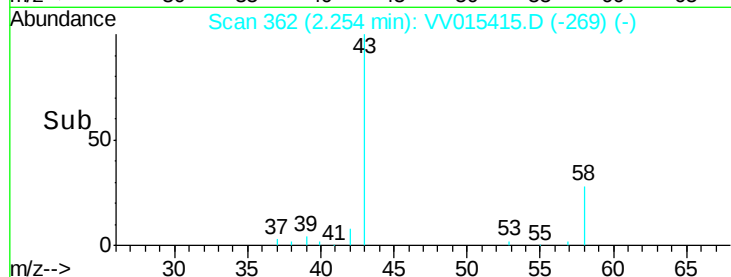
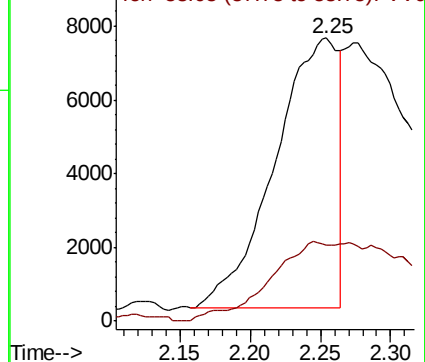
Ion Ratio Lower Upper

43 100

58 27.6 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.107 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV015415.D

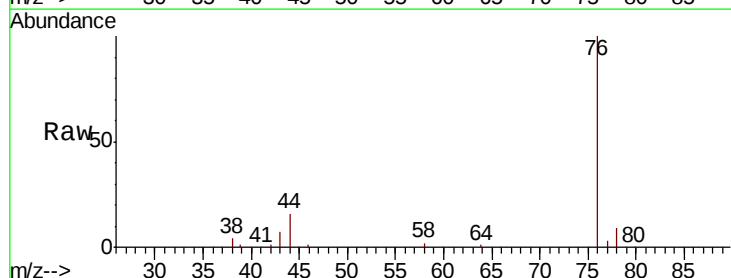
Acq: 09 Apr 2020 12:50

Tgt Ion: 76 Resp: 129311

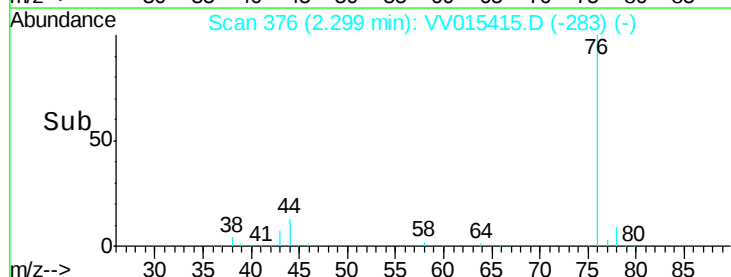
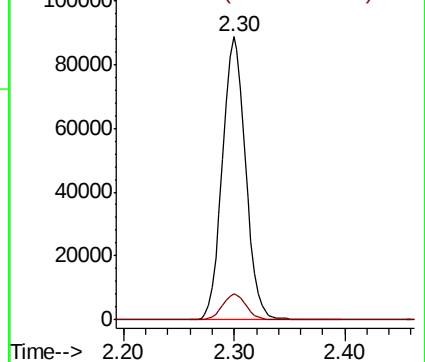
Ion Ratio Lower Upper

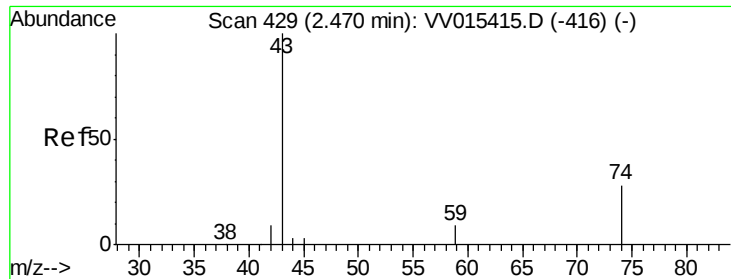
76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 3.810 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

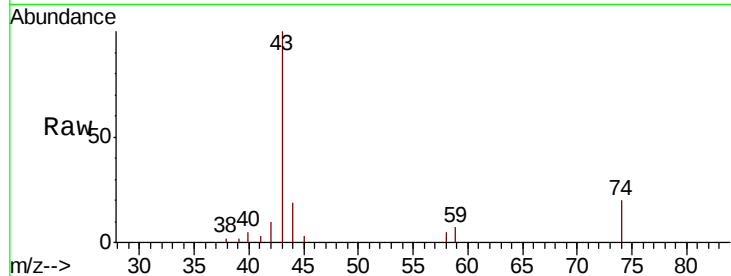
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 14946

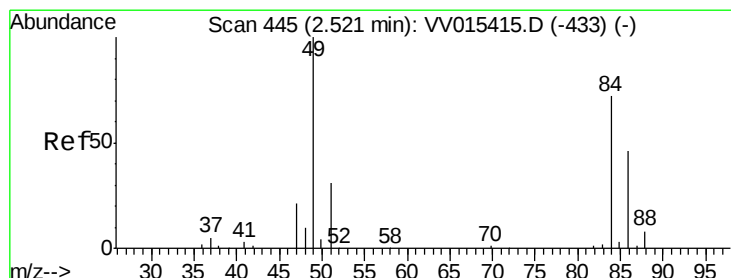
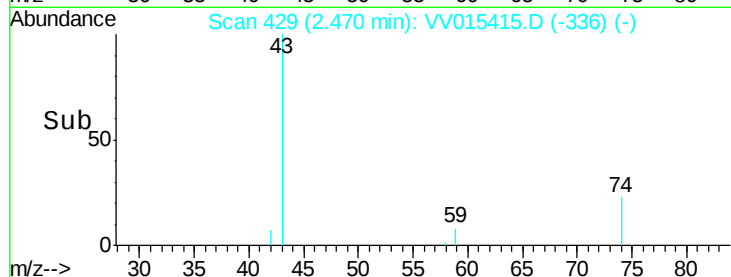
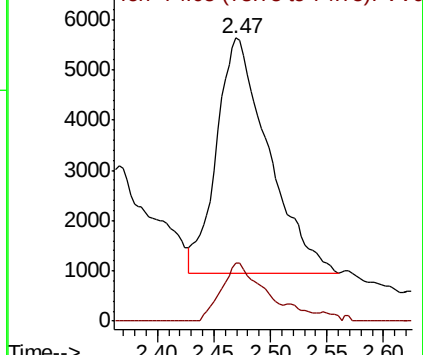
Ion Ratio Lower Upper

43 100

74 19.3 15.4 23.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 3.511 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

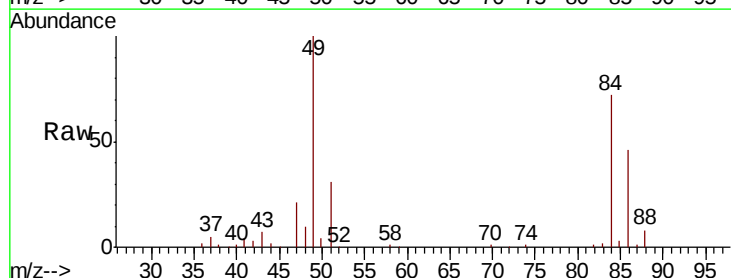
Tgt Ion: 84 Resp: 40856

Ion Ratio Lower Upper

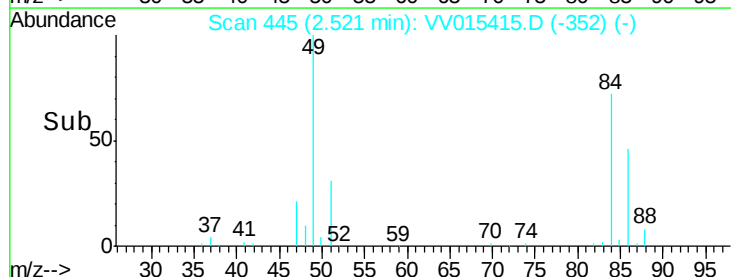
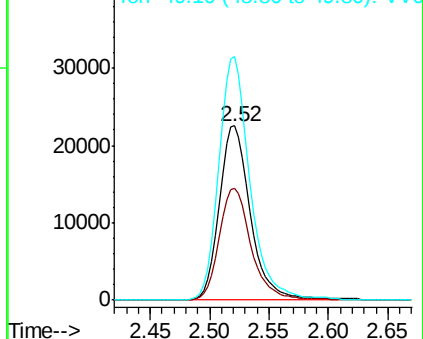
84 100

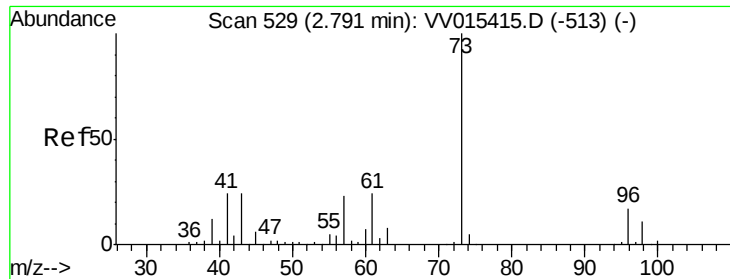
86 64.4 45.1 83.7

49 139.8 97.9 181.7



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

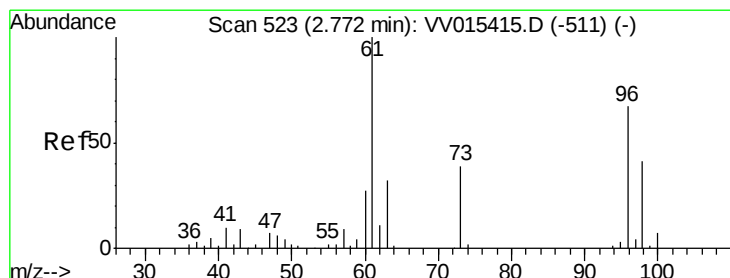
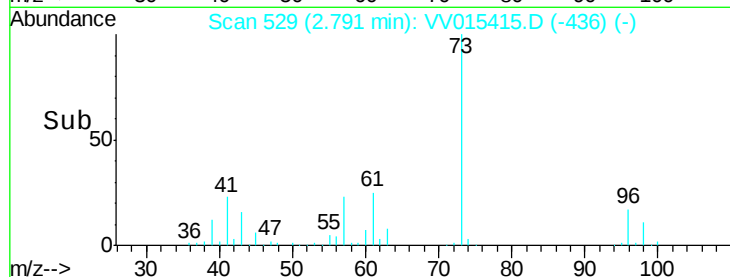
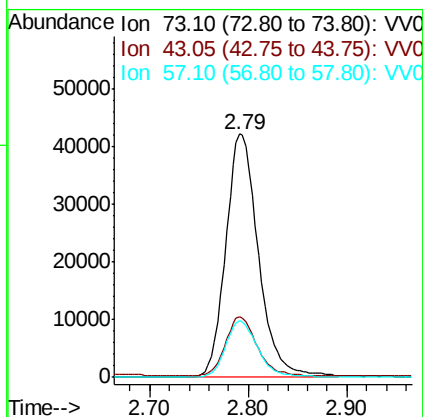
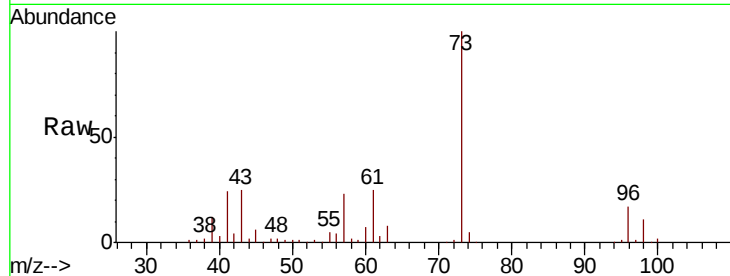




#17
Methvl tert-butvl Ether
Concen: 4.376 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

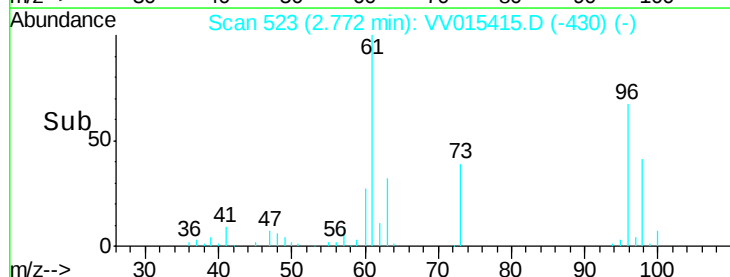
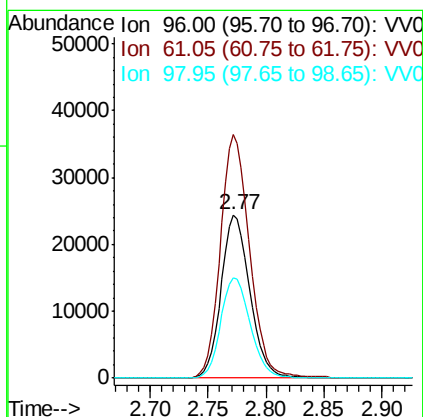
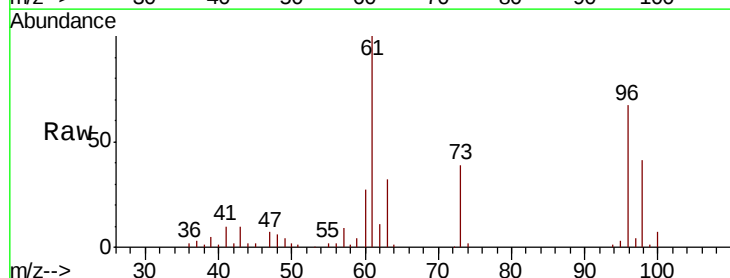
Instrument :
MSVOA_V
ClientSampled :

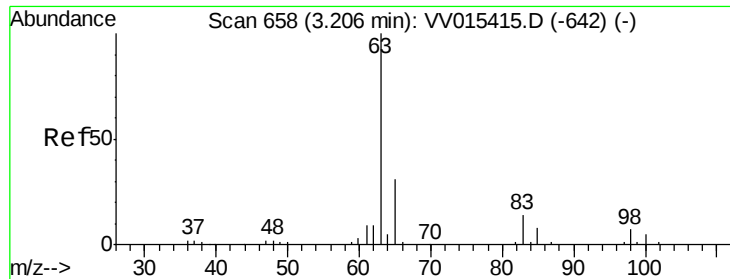
Tot Ion: 73 Resp: 97856
Ion Ratio Lower Upper
73 100
43 22.9 18.3 27.5
57 23.0 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.063 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

Tgt Ion: 96 Resp: 42054
Ion Ratio Lower Upper
96 100
61 149.2 104.4 194.0
98 61.1 42.8 79.4

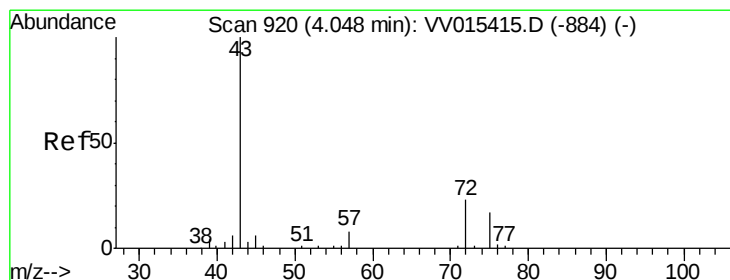
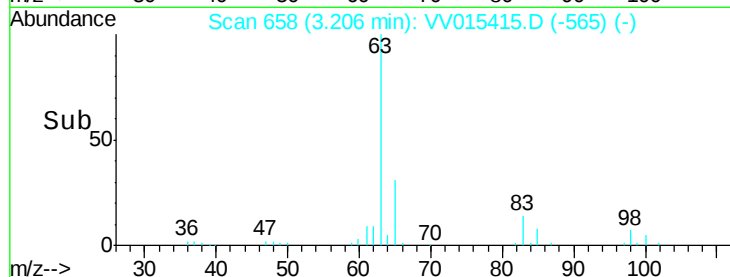
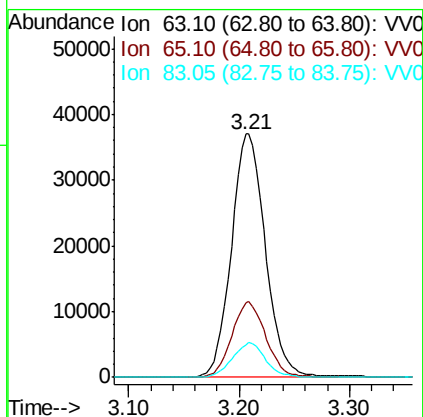
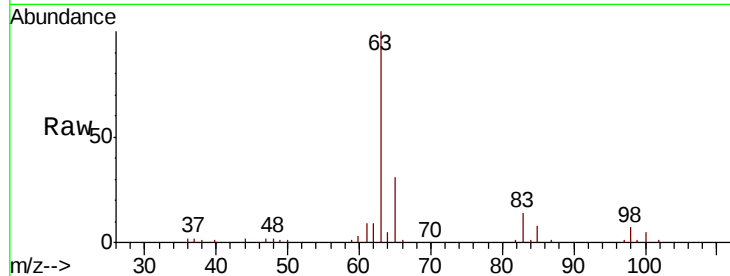




#19
 1,1-Dichloroethane
 Concen: 4.385 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

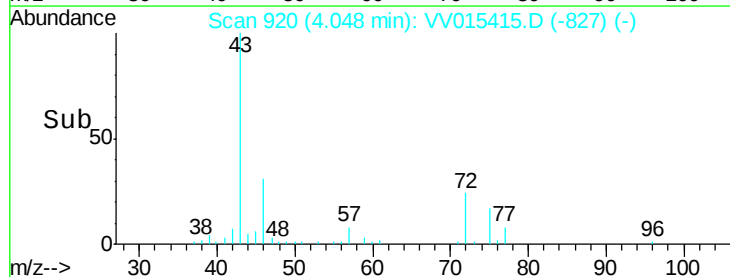
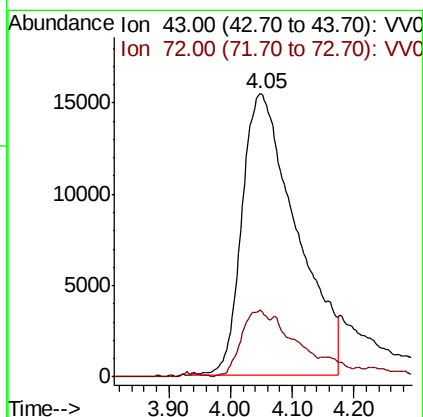
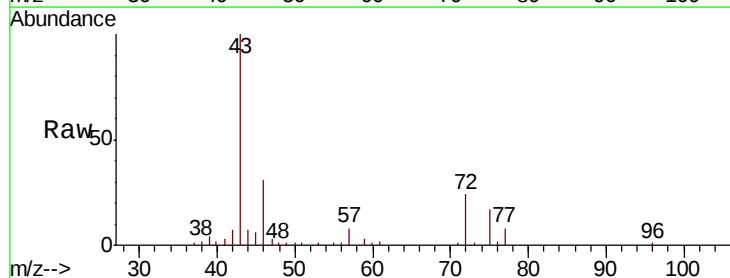
Instrument :
 MSVOA_V
 ClientSampleId :

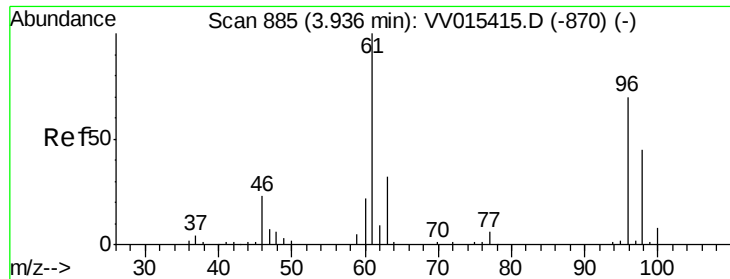
Tot Ion: 63 Resp: 78919
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.3 39.6
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 45.343 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion: 43 Resp: 94130
 Ion Ratio Lower Upper
 43 100
 72 11.9 5.9 17.8

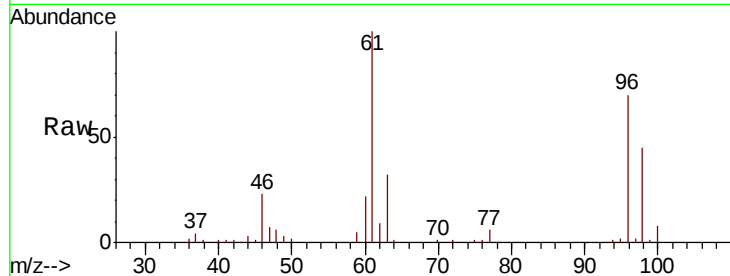




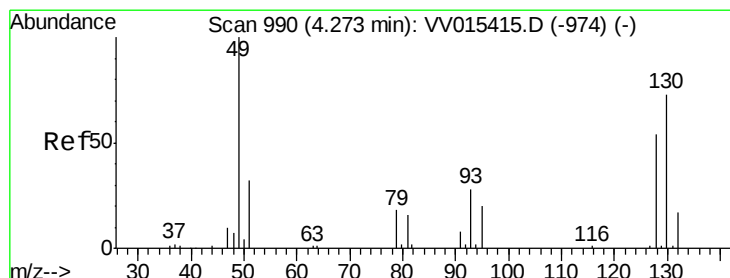
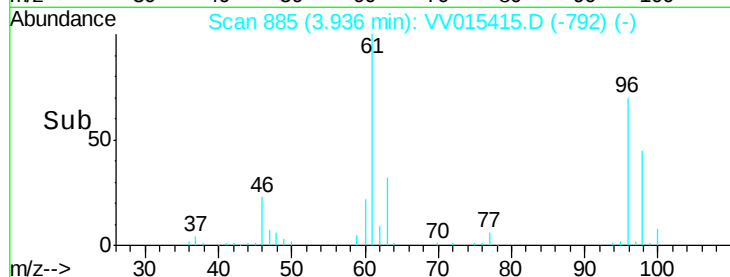
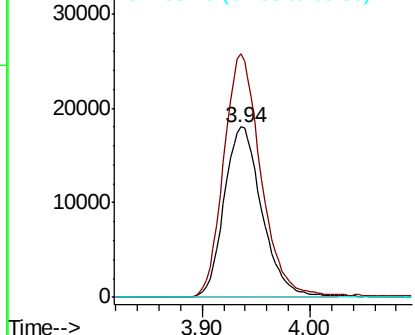
#22
 cis-1,2-Dichloroethene
 Concen: 4.140 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 43974
 Ion Ratio Lower Upper
 96 100
 61 142.9 100.0 185.8
 68 0.0 0.0 0.0

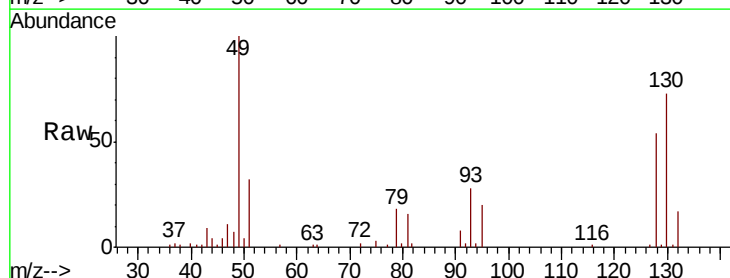


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

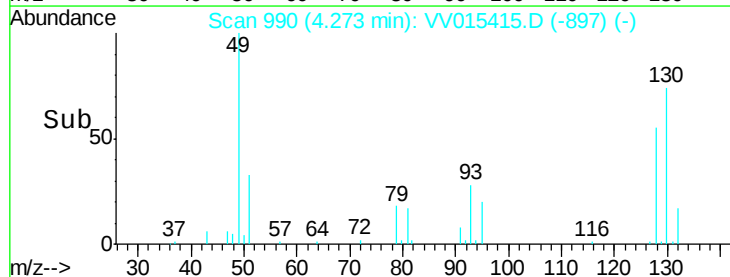
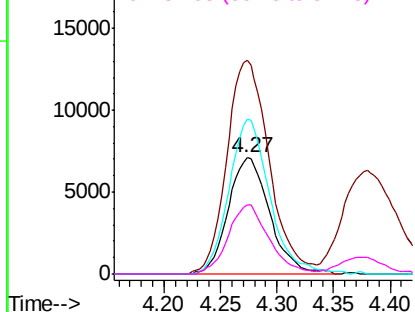


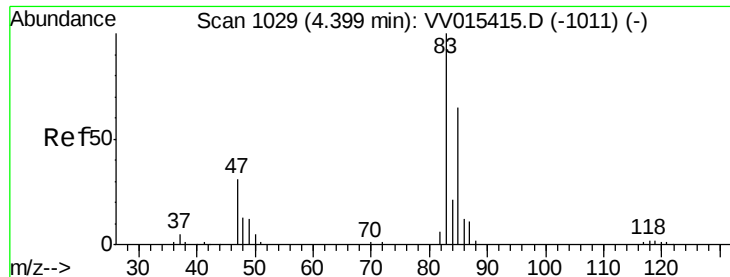
#23
 Bromochloromethane
 Concen: 4.174 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion: 128 Resp: 18162
 Ion Ratio Lower Upper
 128 100
 49 184.0 128.8 239.2
 130 133.6 93.5 173.7
 51 59.7 47.8 71.6



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

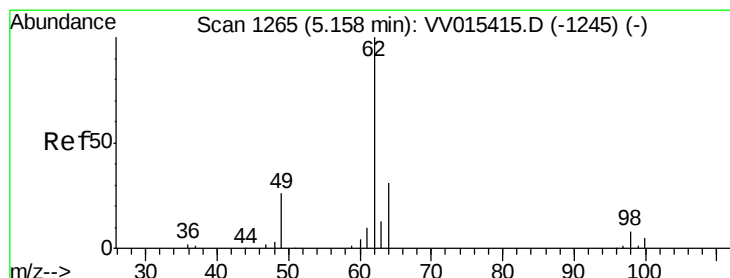
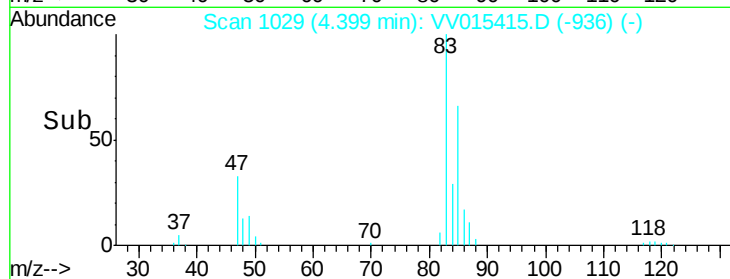
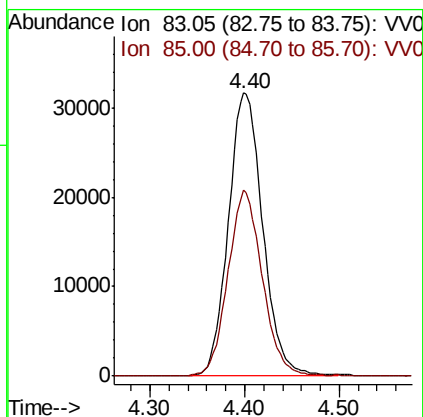
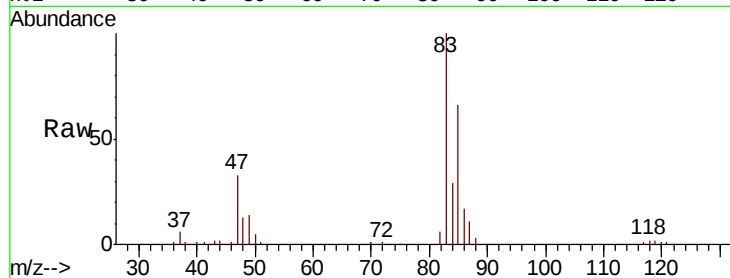




#25
Chloroform
Concen: 3.958 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

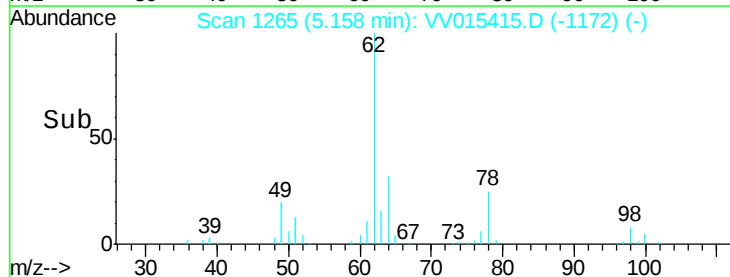
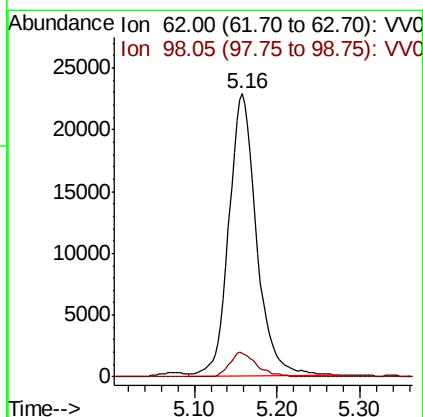
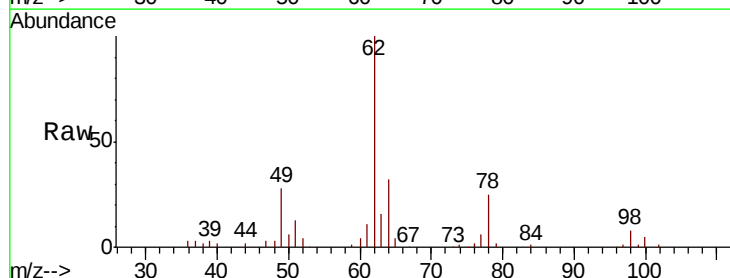
Instrument :
MSVOA_V
ClientSampleId :

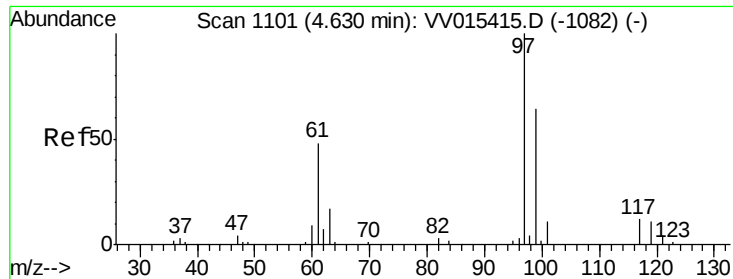
Tot Ion: 83 Resp: 80010
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.862 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

Tgt Ion: 62 Resp: 53198
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

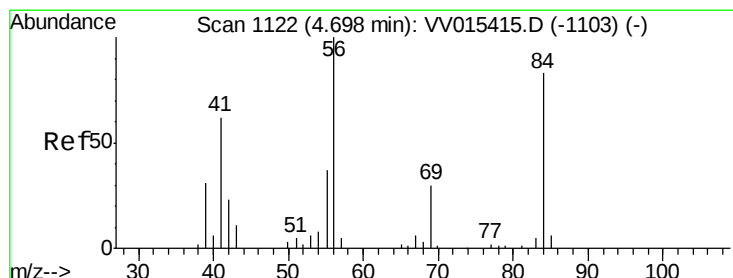
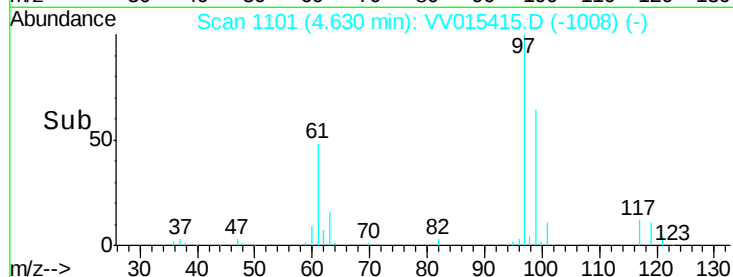
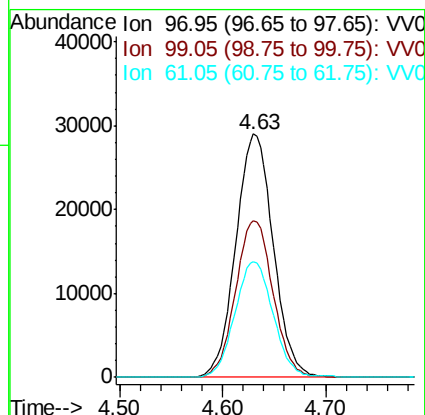
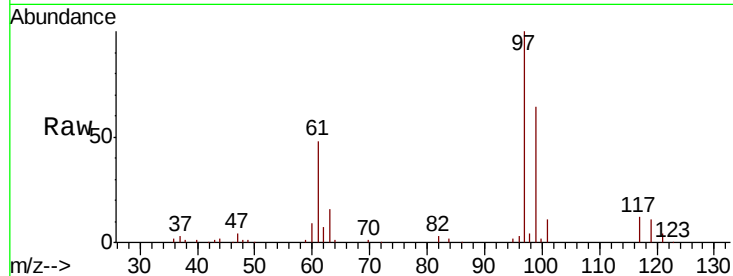




#29
 1,1,1-Trichloroethane
 Concen: 4.389 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

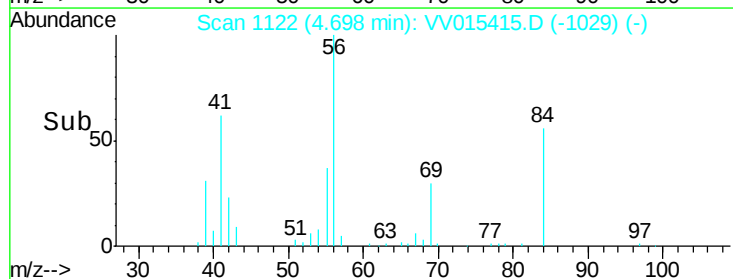
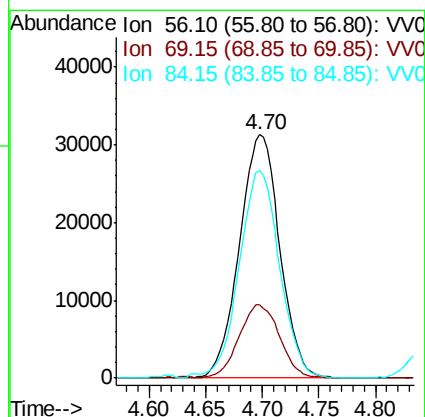
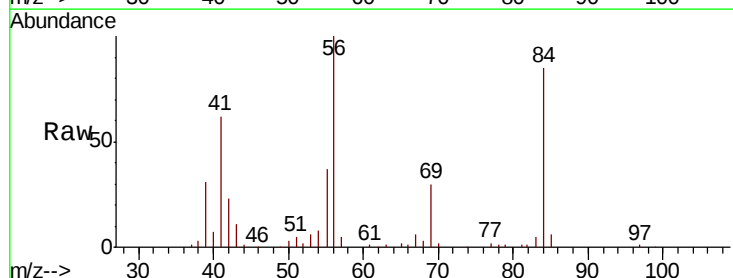
Instrument :
 MSVOA_V
 ClientSampleId :

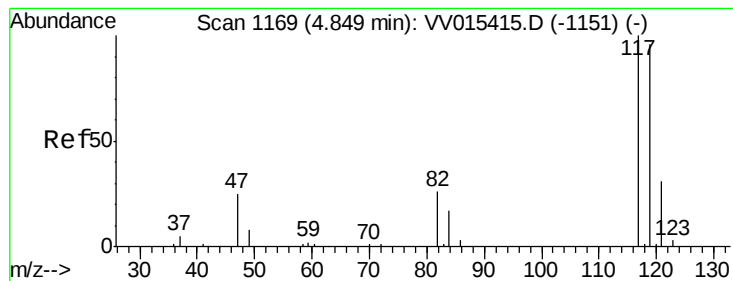
Tot Ion: 97 Resp: 73270
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.6 77.4
 61 48.8 39.0 58.6



#30
 Cyclohexane
 Concen: 4.819 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion: 56 Resp: 77748
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 85.5 68.4 102.6





#31

Carbon tetrachloride

Concen: 4.440 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :

MSVOA_V

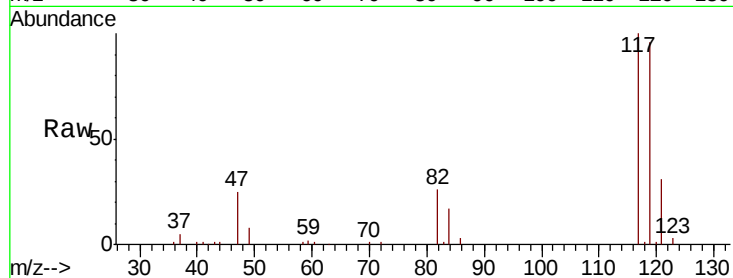
ClientSampled :

Tot Ion:117 Resp: 64026

Ion Ratio Lower Upper

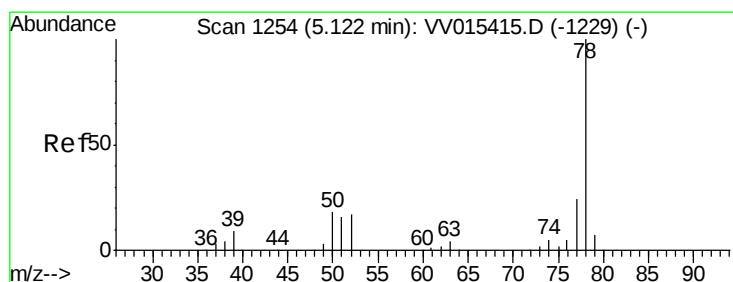
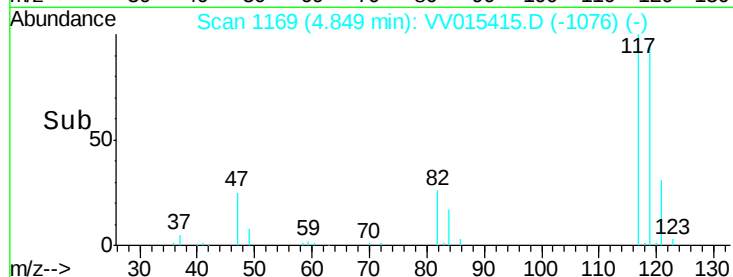
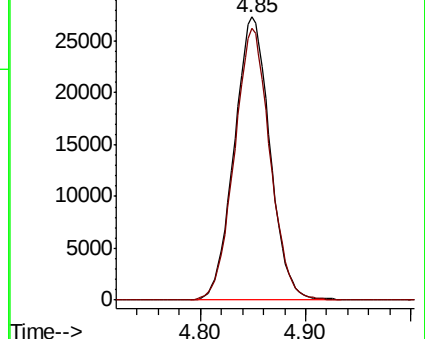
117 100

119 95.8 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.757 ug/L

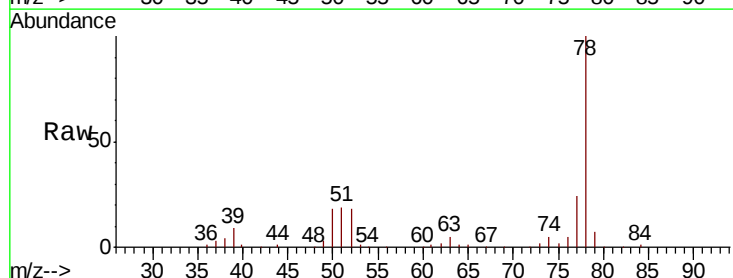
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

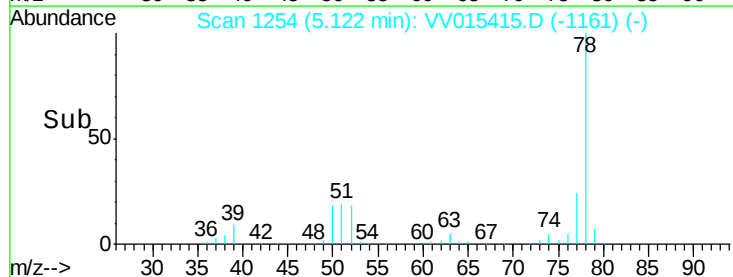
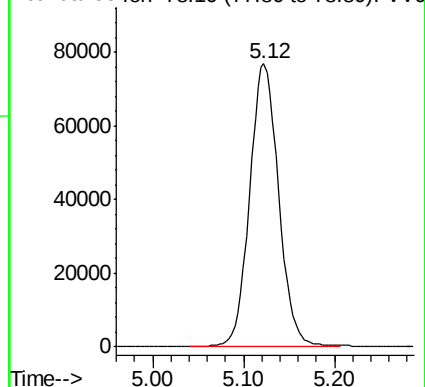
Lab File: VV015415.D

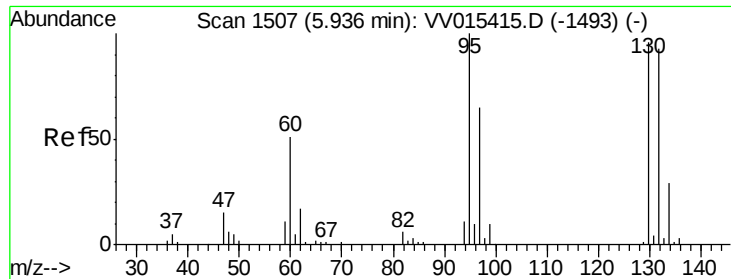
Acq: 09 Apr 2020 12:50

Tgt Ion: 78 Resp: 170697



Abundance Ion 78.10 (77.80 to 78.80): VV0

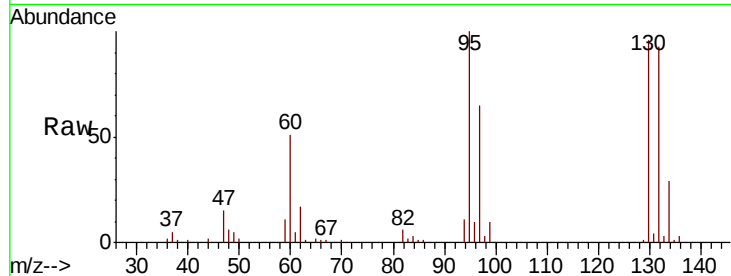




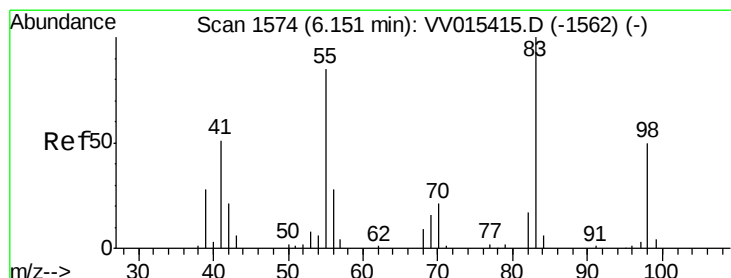
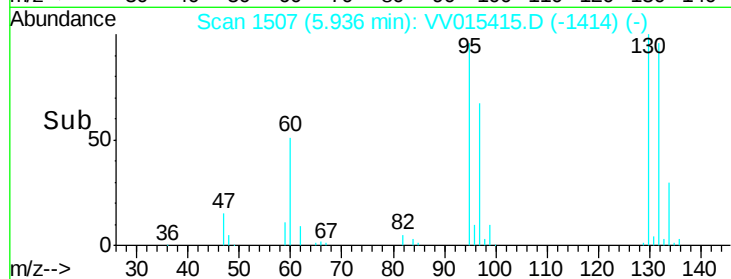
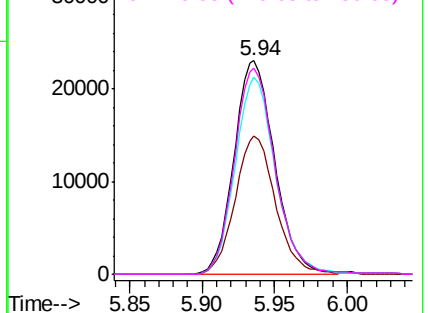
#34
 Trichloroethene
 Concen: 5.342 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 44809
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.4 84.4
 132 92.6 64.8 120.4
 130 96.3 67.4 125.2

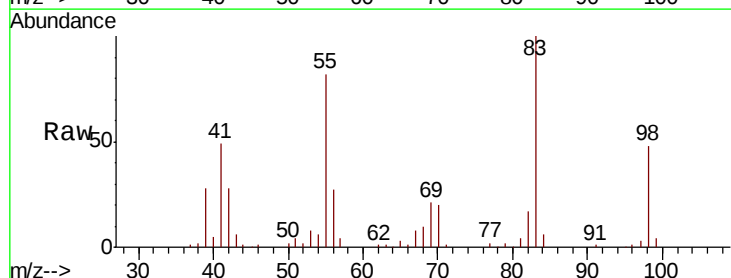


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

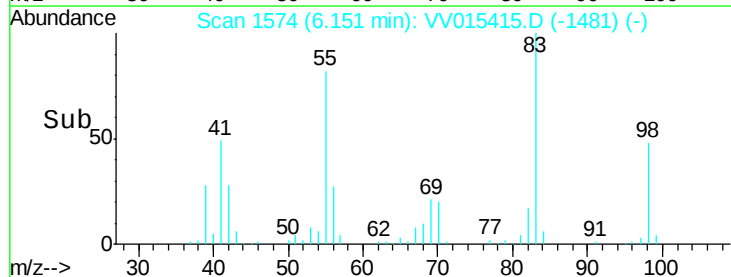
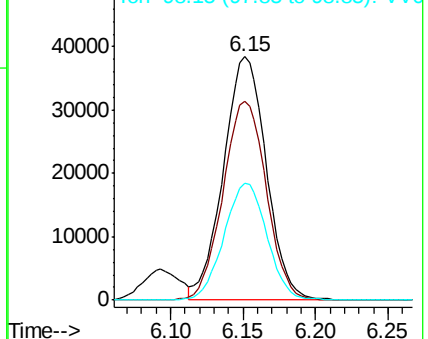


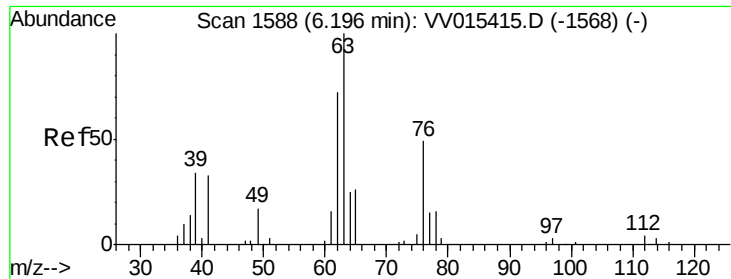
#35
 Methylcyclohexane
 Concen: 5.366 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion: 83 Resp: 78325
 Ion Ratio Lower Upper
 83 100
 55 83.2 66.6 99.8
 98 48.4 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

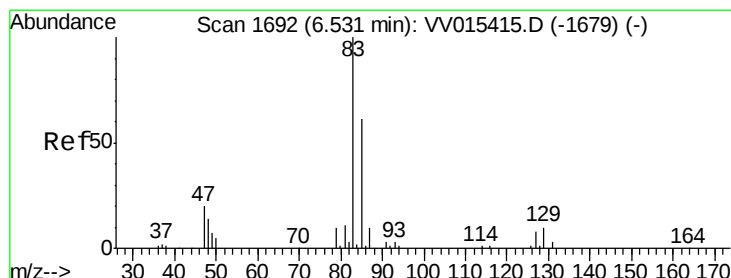
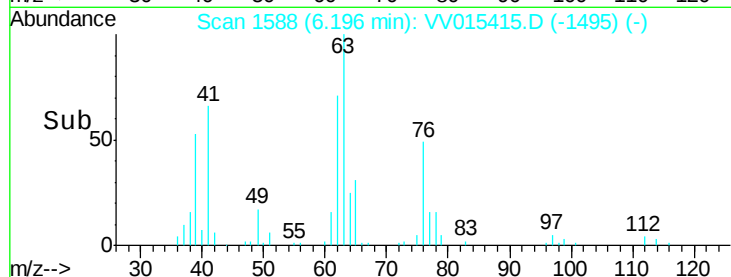
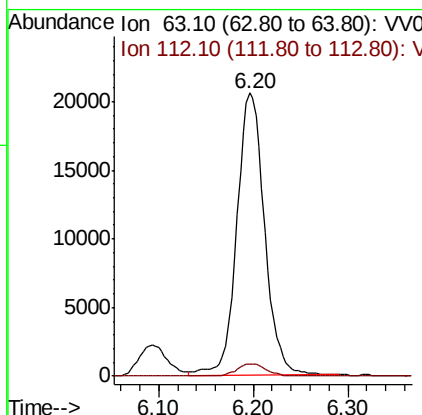
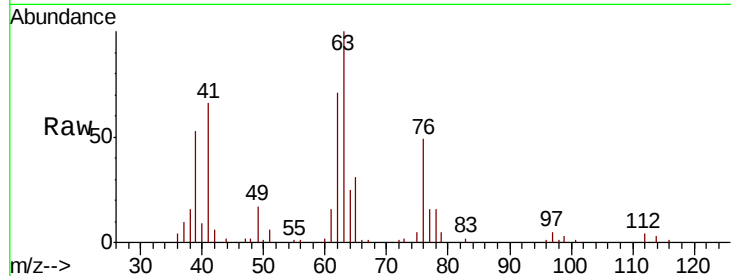




#37
 1,2-Dichloropropane
 Concen: 5.847 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

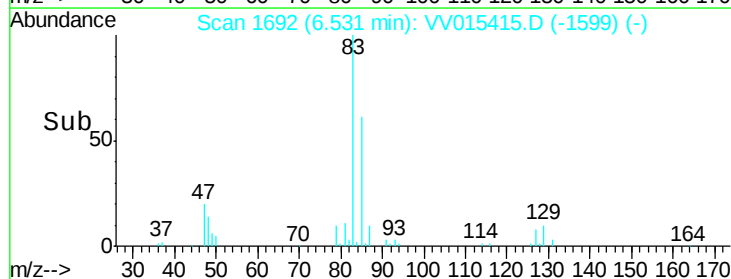
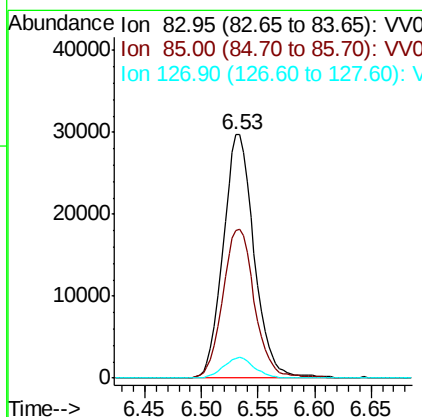
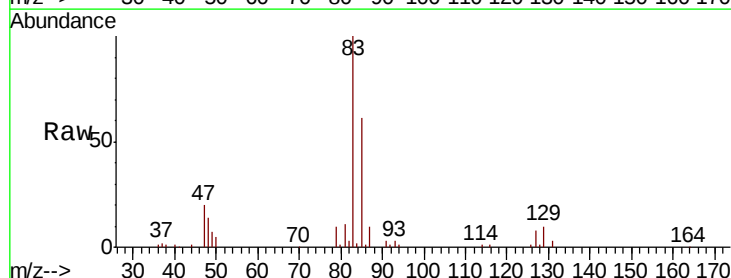
Instrument :
 MSVOA_V
 ClientSampleId :

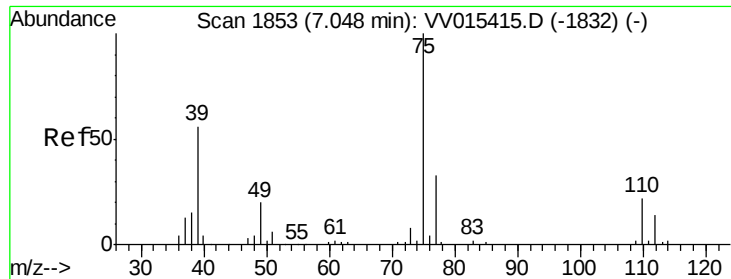
Tot Ion: 63 Resp: 41890
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.740 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion: 83 Resp: 56643
 Ion Ratio Lower Upper
 83 100
 85 60.9 42.6 79.2
 127 8.2 6.6 9.8

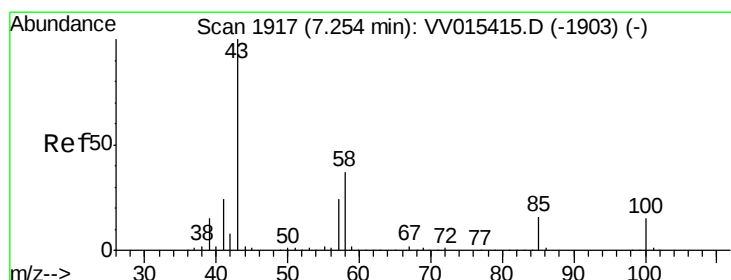
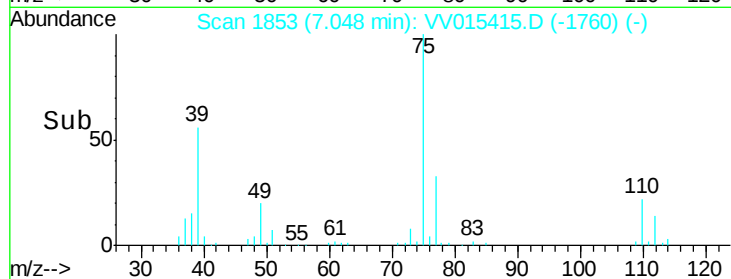
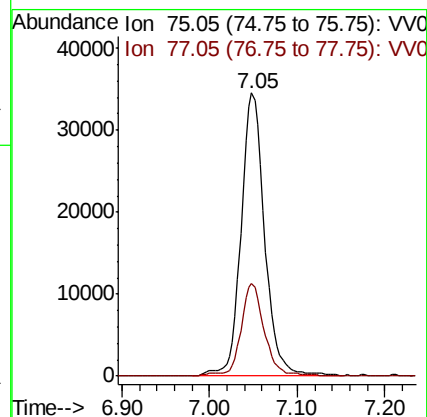
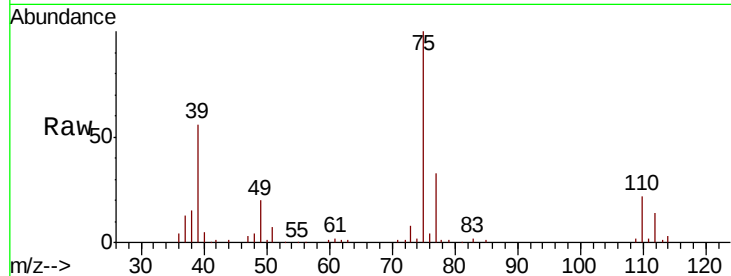




#39
 cis-1,3-Dichloropropene
 Concen: 5.775 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

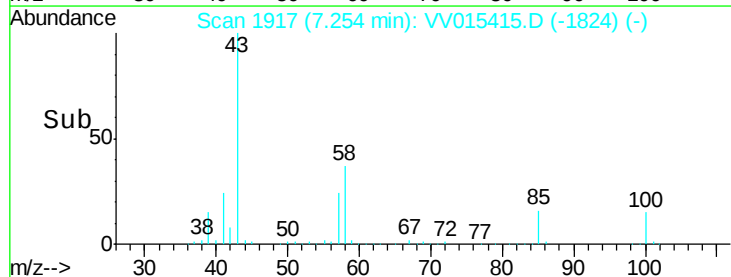
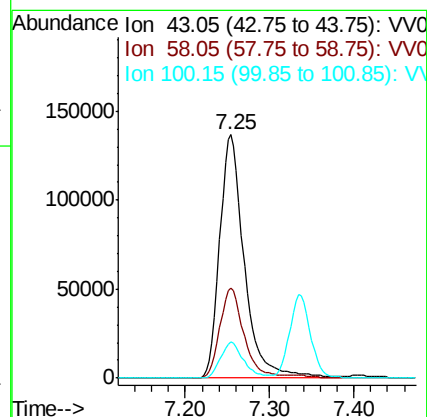
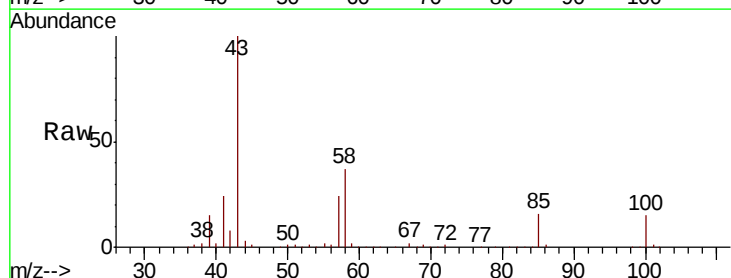
Instrument :
 MSVOA_V
 ClientSampleId :

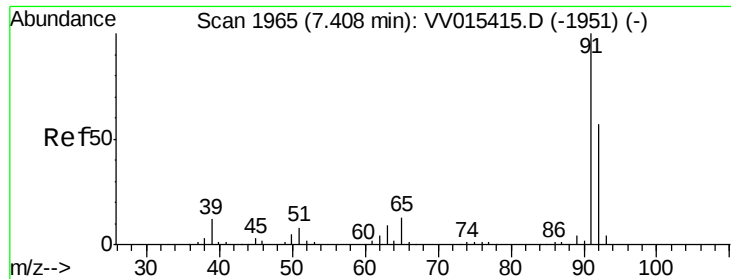
Tot Ion: 75 Resp: 65050
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 66.769 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion: 43 Resp: 278593
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6
 100 13.8 11.0 16.6





#42

Toluene

Concen: 5.256 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

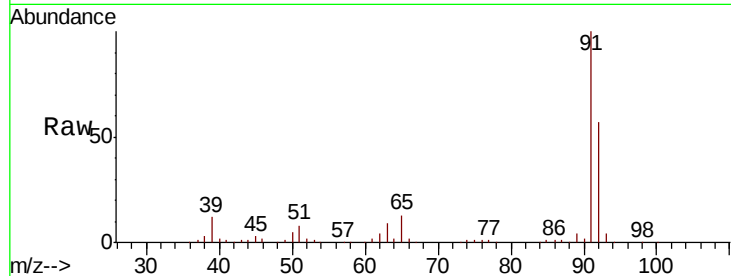
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 184549

Ion Ratio Lower Upper

91 100

92 57.4 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

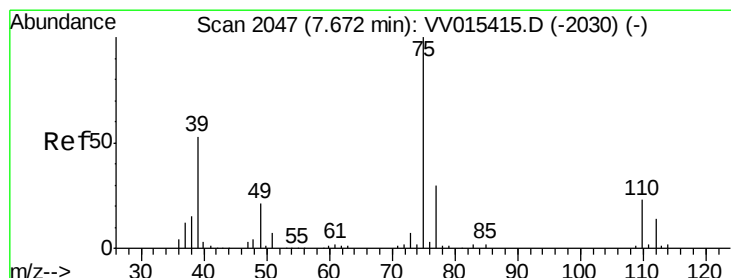
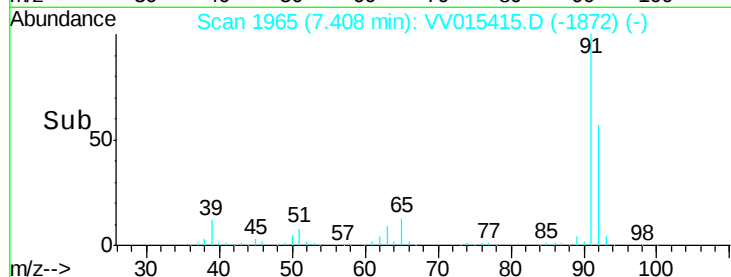
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.739 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015415.D

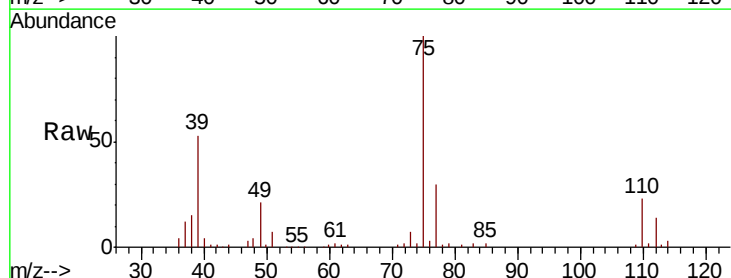
Acq: 09 Apr 2020 12:50

Tgt Ion: 75 Resp: 55111

Ion Ratio Lower Upper

75 100

77 30.0 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

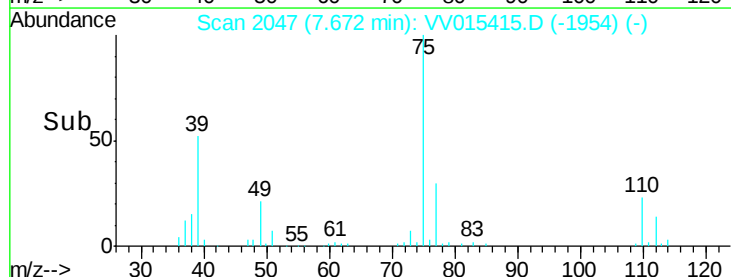
30000

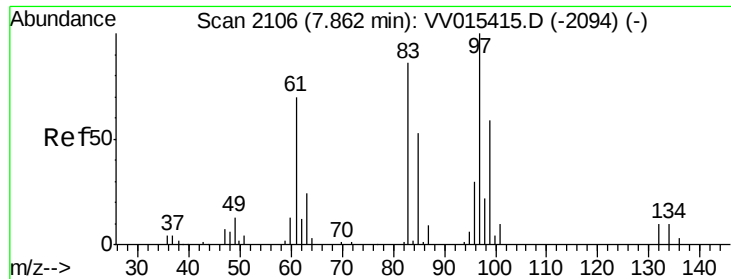
20000

10000

0

Time--> 7.60 7.65 7.70 7.75

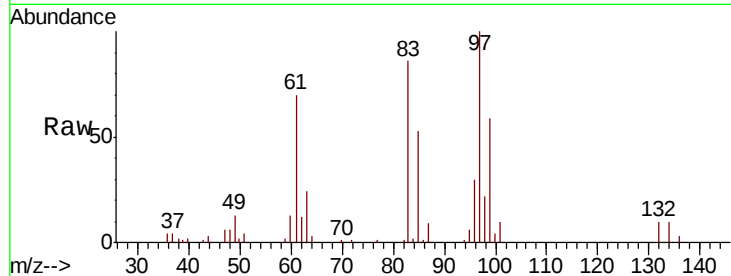




#45
 1,1,2-Trichloroethane
 Concen: 5.327 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	28450
Ion	Ratio	Lower	Upper
97	100		
99	59.0	41.3	76.7
83	86.4	60.5	112.3
85	52.6	36.8	68.4



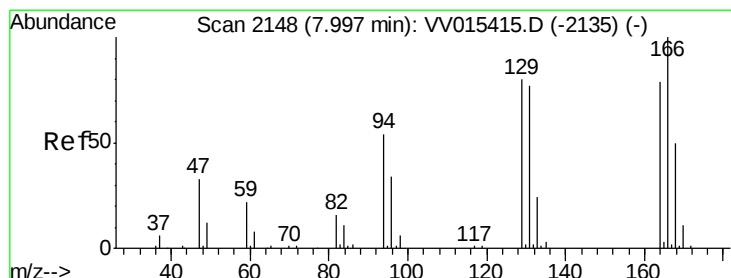
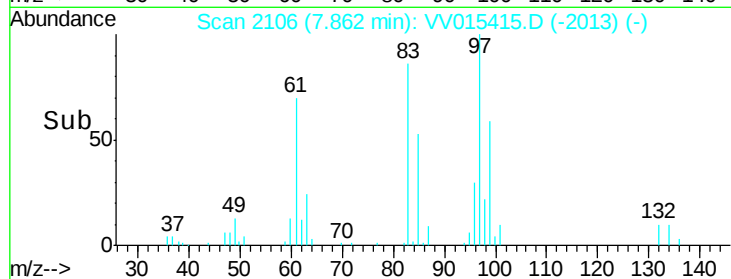
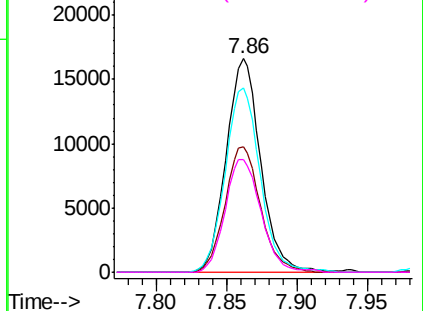
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

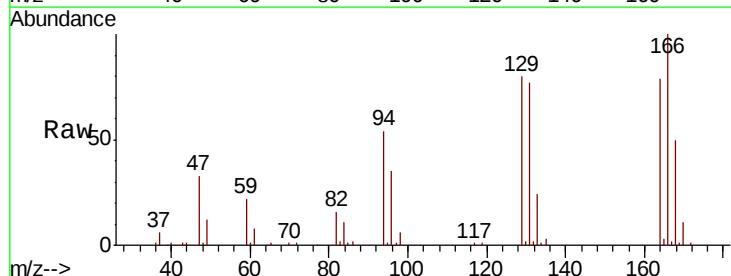
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.497 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion:	164	Resp:	33952
Ion	Ratio	Lower	Upper
164	100		
129	100.8	70.6	131.0
131	97.5	68.3	126.8
166	126.1	88.3	163.9



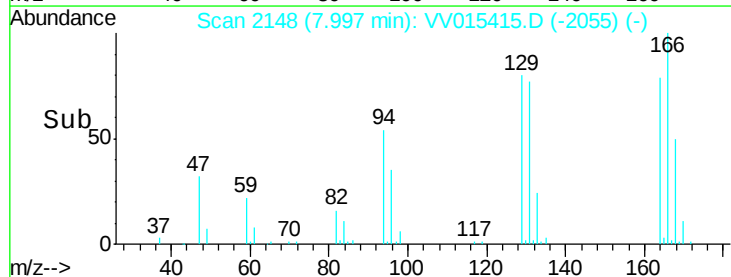
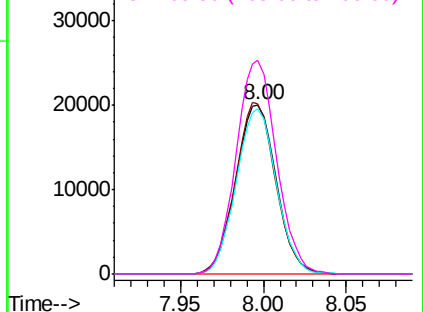
Abundance

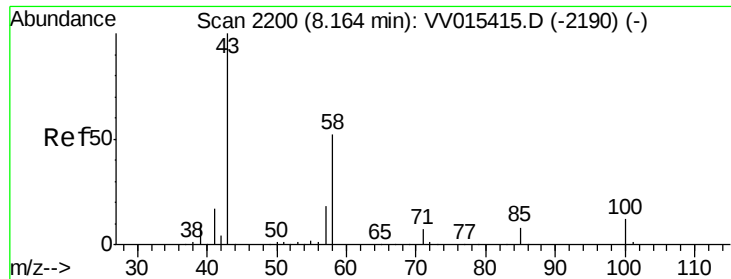
Ion 163.90 (163.60 to 164.60): V

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

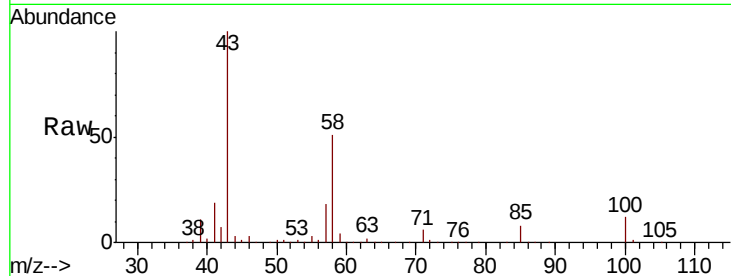




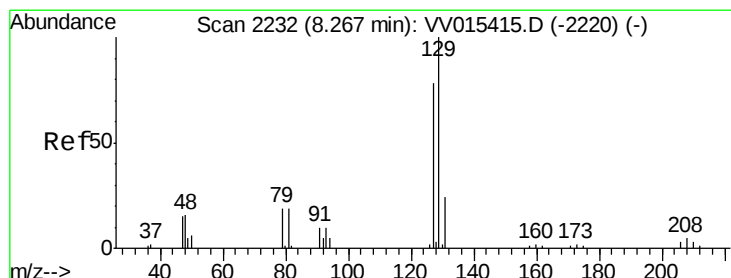
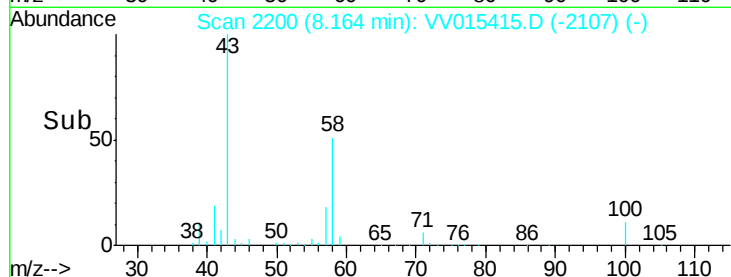
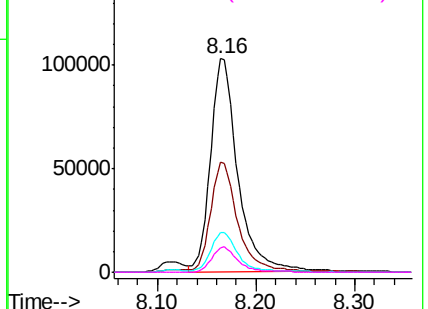
#48
2-Hexanone
Concen: 66.786 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 197874
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.7 15.0 22.4
100 11.8 9.4 14.2

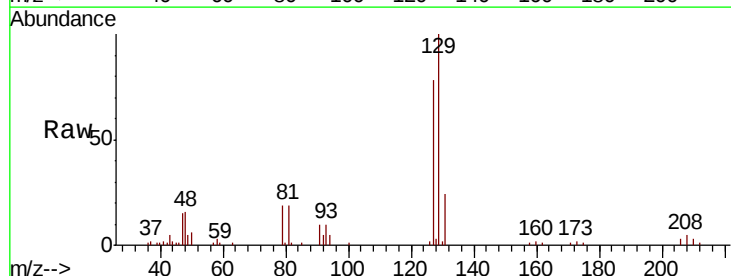


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

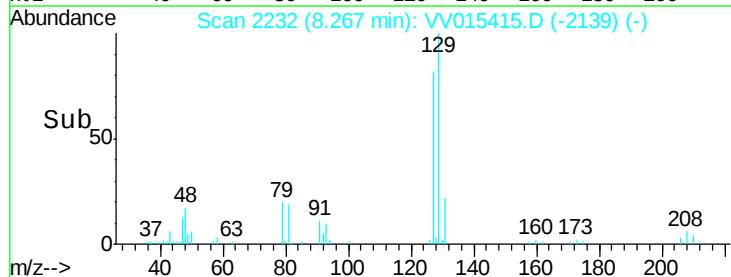
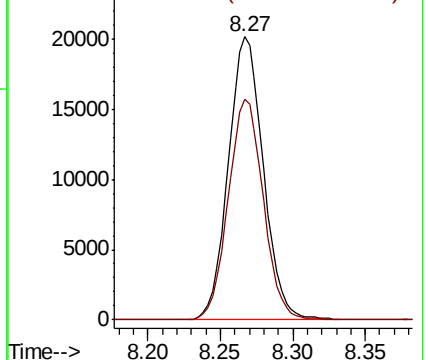


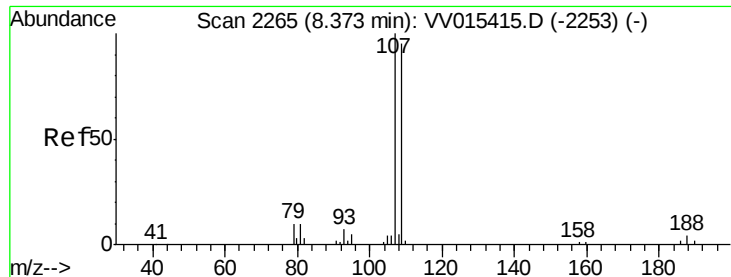
#49
Dibromochloromethane
Concen: 5.342 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

Tgt Ion: 129 Resp: 33708
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



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

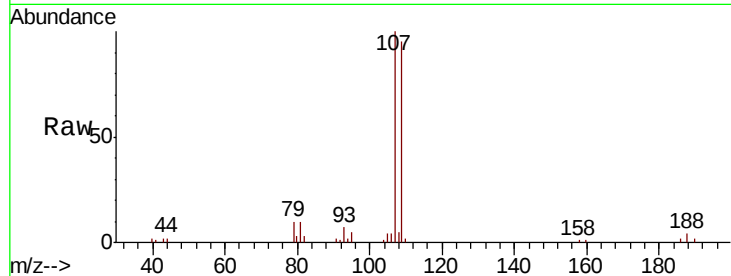




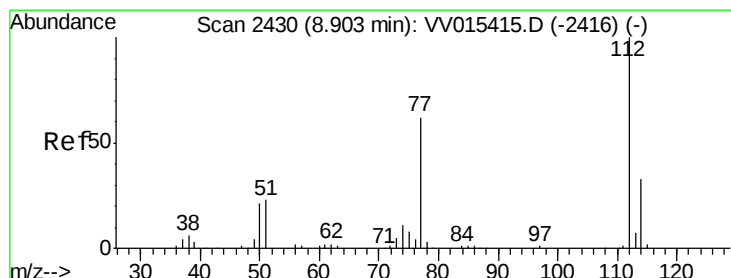
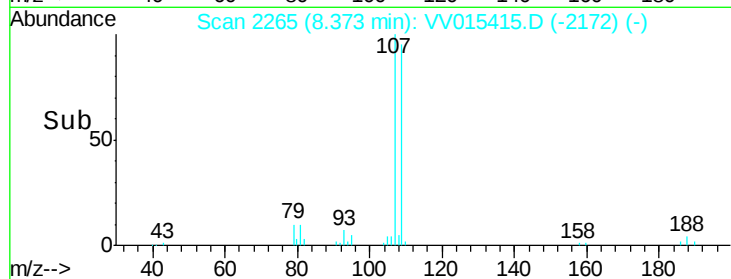
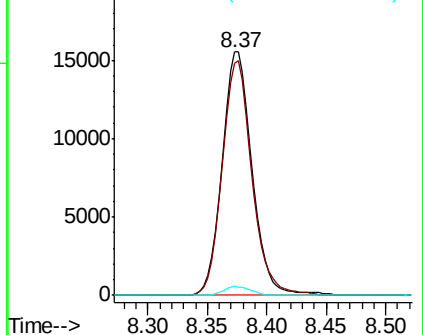
#50
 1,2-Dibromoethane
 Concen: 5.344 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 27109
 Ion Ratio Lower Upper
 107 100
 109 95.3 66.7 123.9
 188 3.6 2.9 4.3

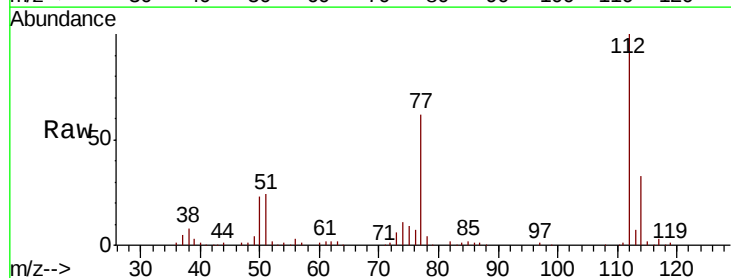


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

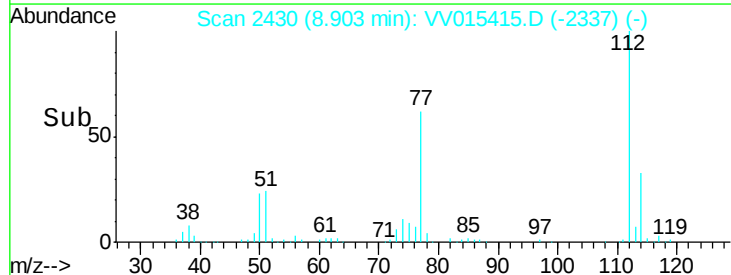
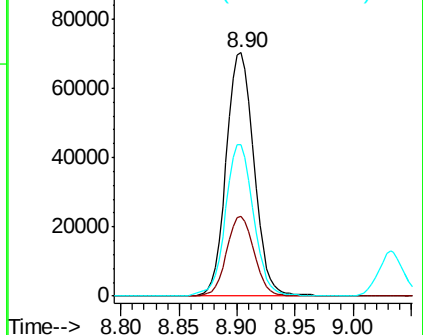


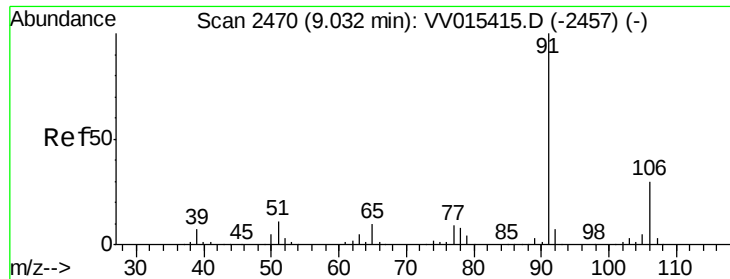
#51
 Chlorobenzene
 Concen: 5.139 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Tgt Ion:112 Resp: 116649
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.9 42.5
 77 62.3 49.8 74.8



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





#52

Ethylbenzene

Concen: 5.308 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

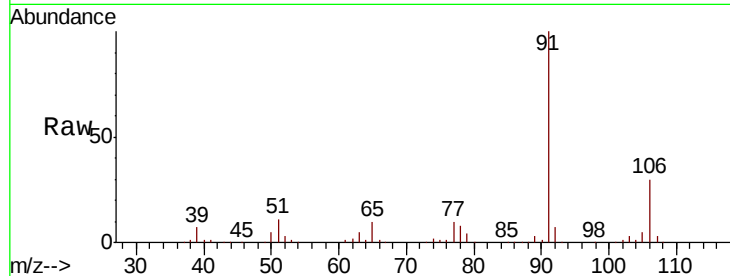
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 214893

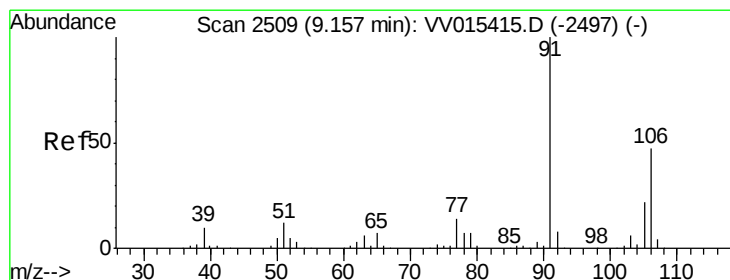
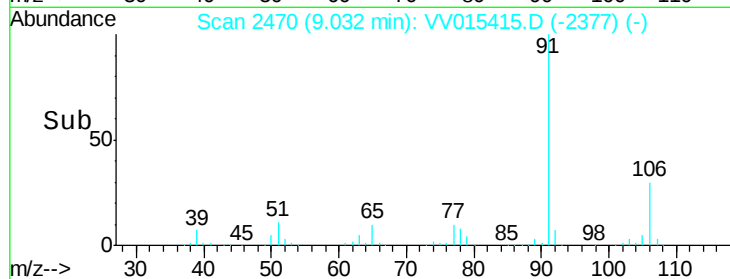
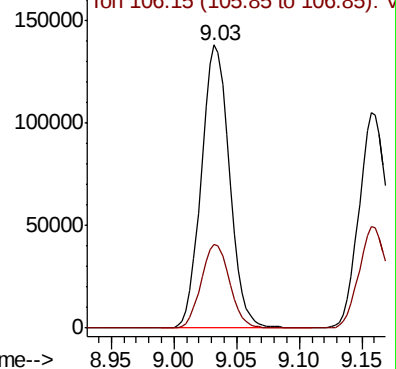
Ion Ratio Lower Upper

91 100

106 29.7 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015415.D (-2457) (-)



#53

m,p-xylene

Concen: 5.153 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015415.D

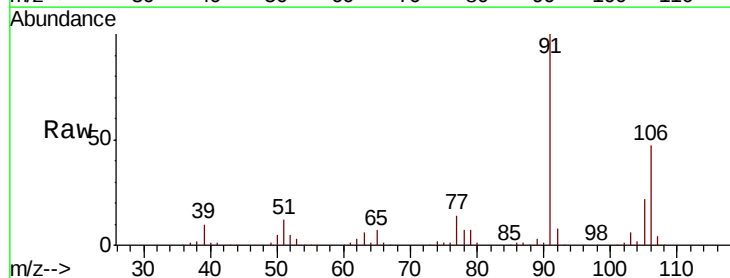
Acq: 09 Apr 2020 12:50

Tgt Ion: 106 Resp: 80355

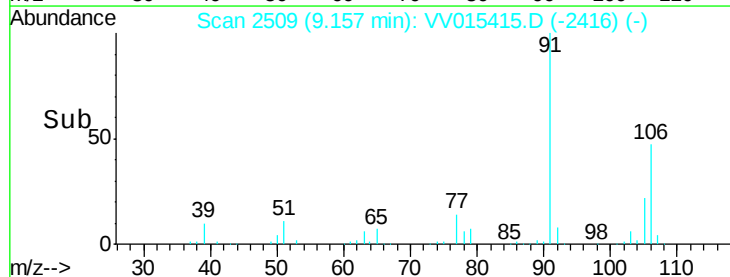
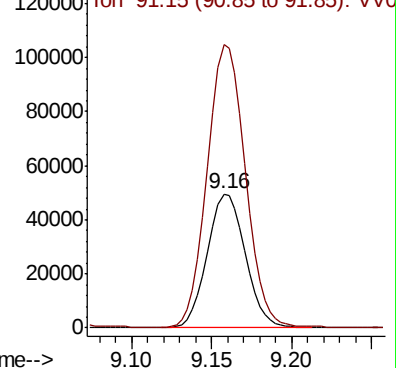
Ion Ratio Lower Upper

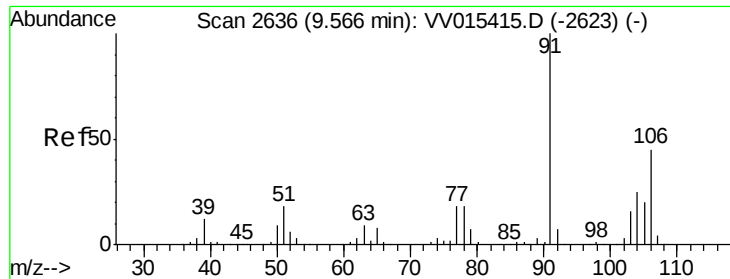
106 100

91 211.3 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015415.D (-2497) (-)

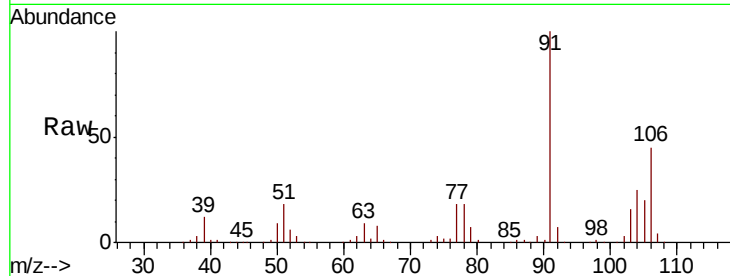




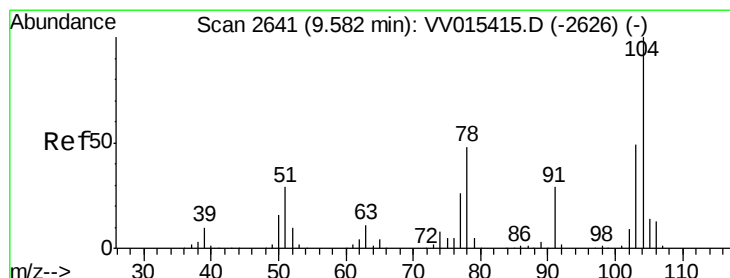
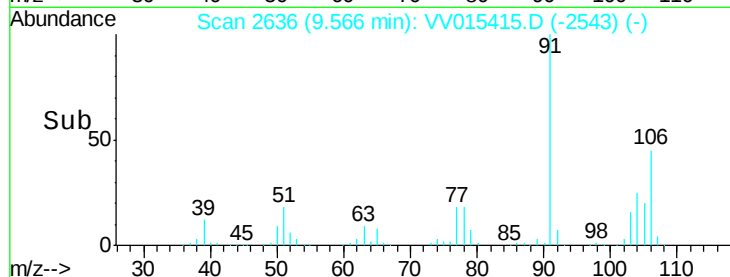
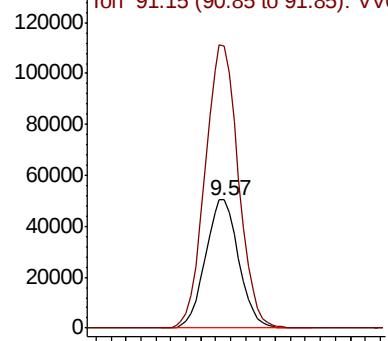
#54
o-xylene
Concen: 5.175 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 78126
Ion Ratio Lower Upper
106 100
91 220.7 154.5 286.9

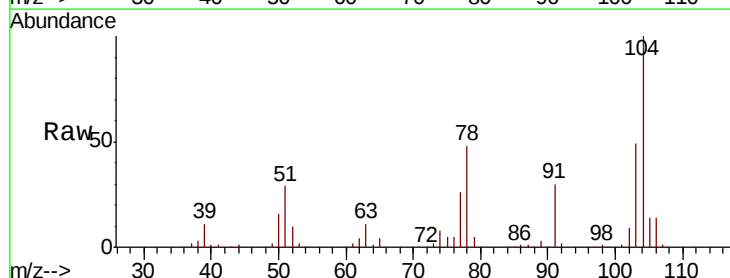


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

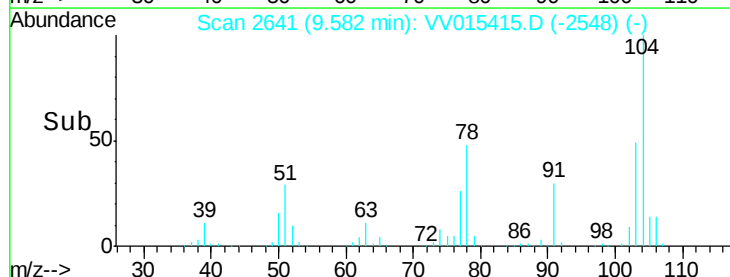
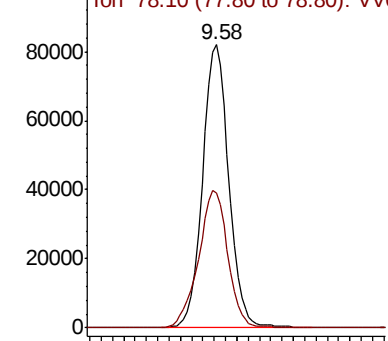


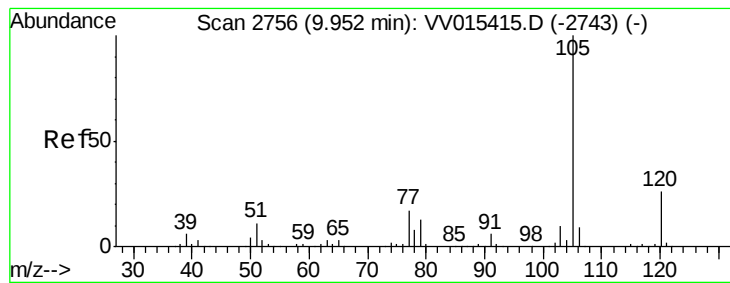
#55
Styrene
Concen: 5.299 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015415.D
Acq: 09 Apr 2020 12:50

Tgt Ion:104 Resp: 132307
Ion Ratio Lower Upper
104 100
78 47.9 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: 5.235 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :
MSVOA_V
ClientSampleId :

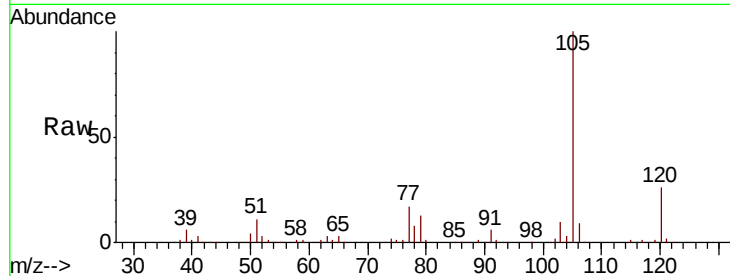
Tot Ion:105 Resp: 212080

Ion Ratio Lower Upper

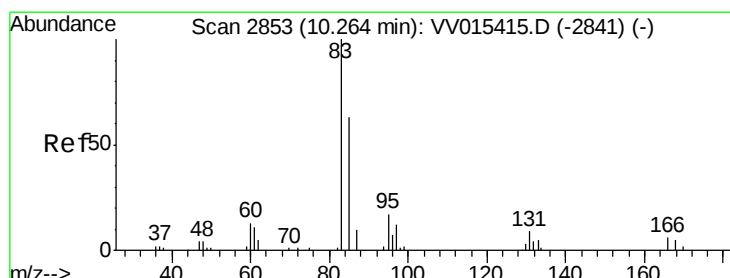
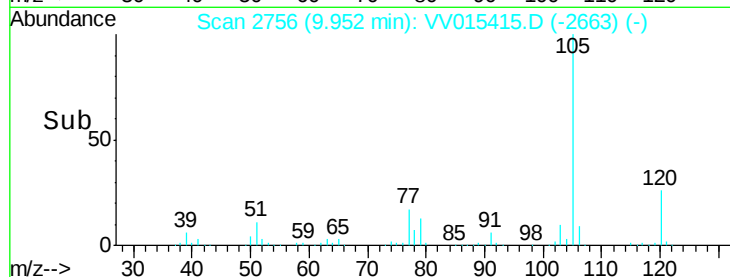
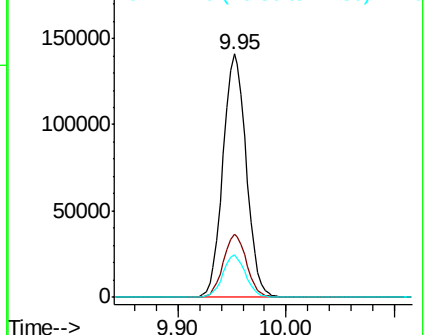
105 100

120 25.9 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: 5.622 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

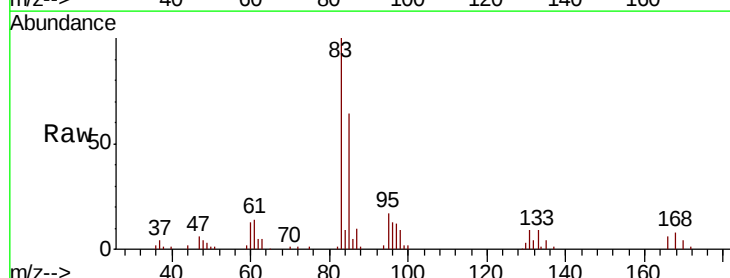
Tgt Ion: 83 Resp: 34679

Ion Ratio Lower Upper

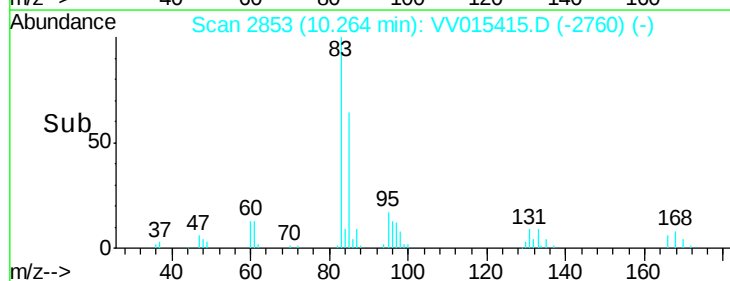
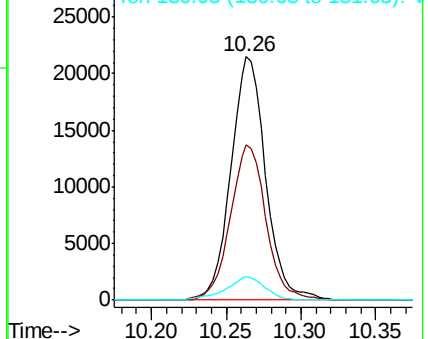
83 100

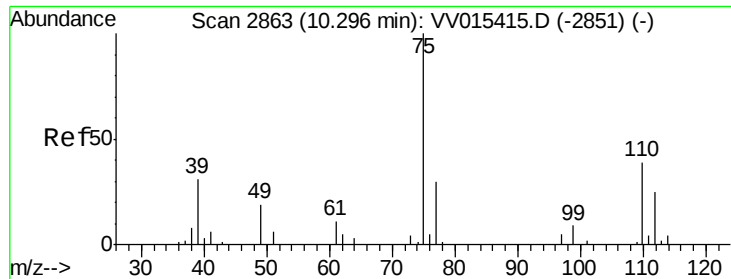
85 63.6 44.5 82.7

131 9.4 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: 5.653 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :

MSVOA_V

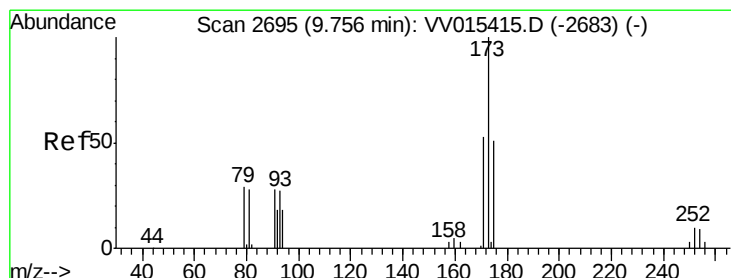
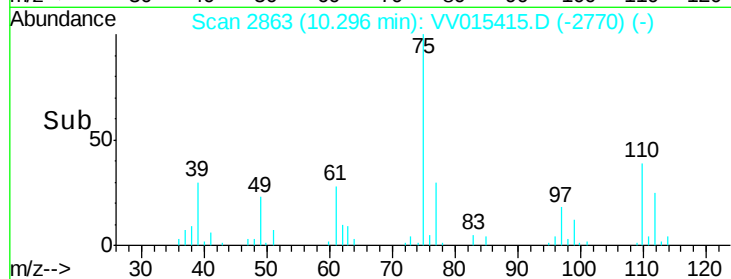
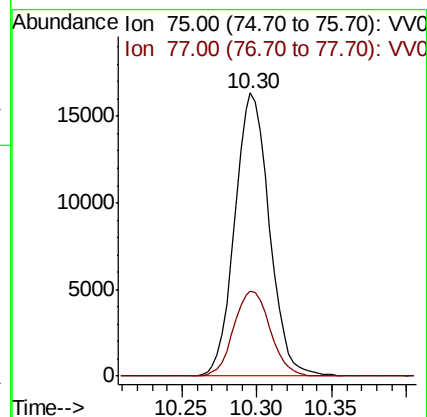
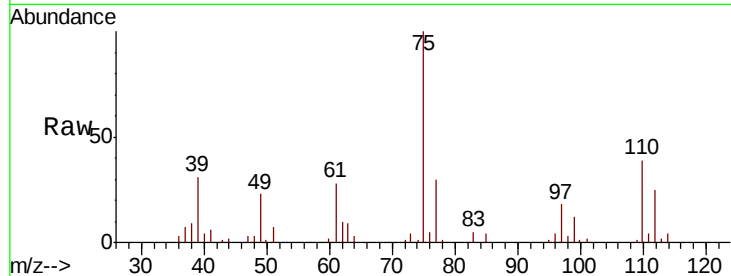
ClientSampleId :

Tot Ion: 75 Resp: 26349

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#61

Bromoform

Concen: 5.671 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

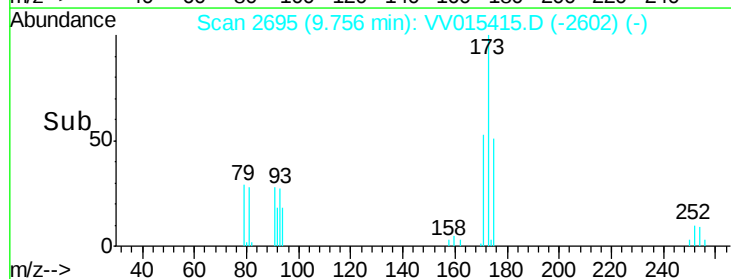
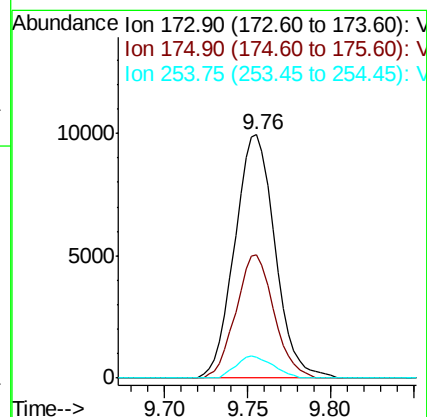
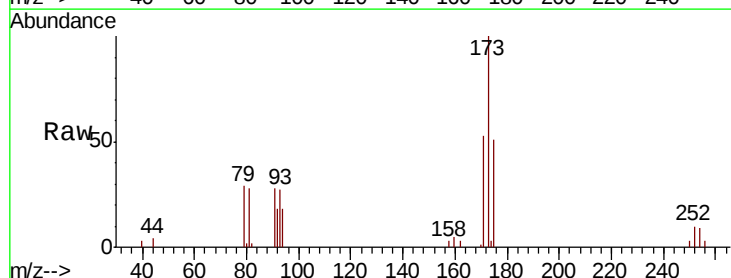
Tgt Ion: 173 Resp: 16798

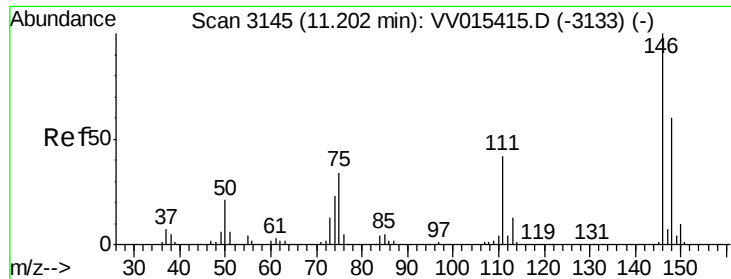
Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

254 8.3 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 5.070 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :

MSVOA_V

ClientSampleId :

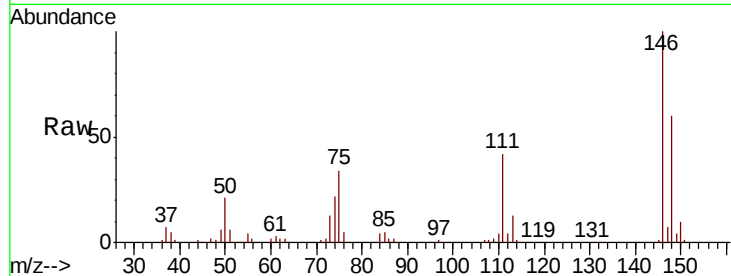
Tot Ion:146 Resp: 93753

Ion Ratio Lower Upper

146 100

111 41.9 29.3 54.5

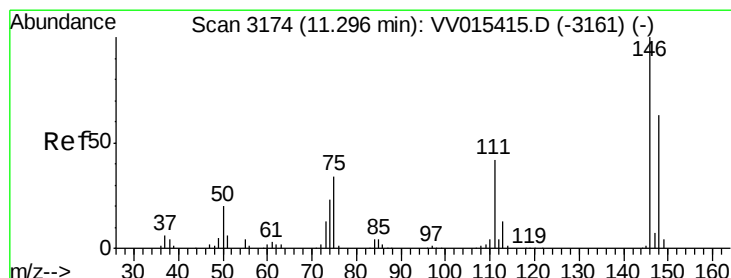
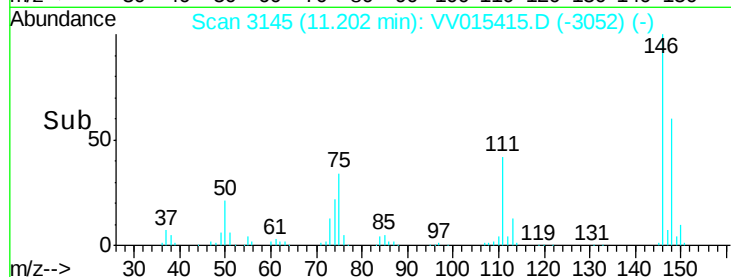
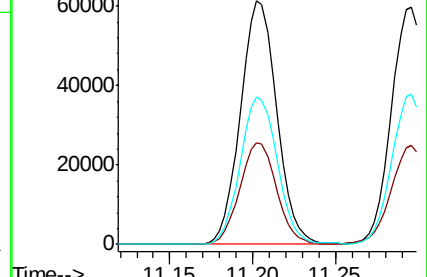
148 60.5 42.4 78.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.011 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

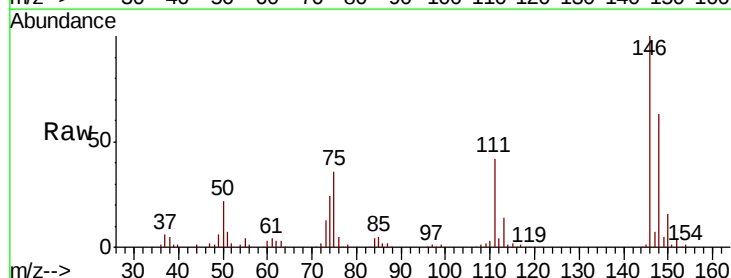
Tgt Ion:146 Resp: 93003

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

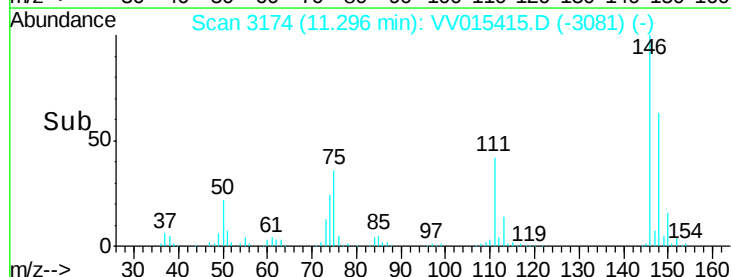
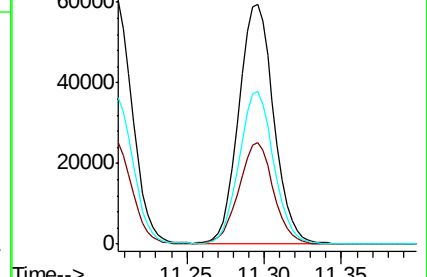
148 63.3 44.3 82.3

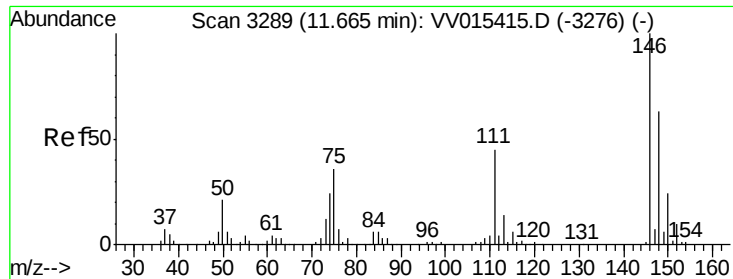


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.073 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :

MSVOA_V

ClientSampleId :

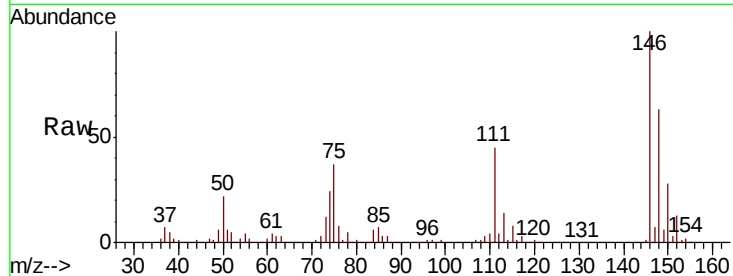
Tot Ion:146 Resp: 83741

Ion Ratio Lower Upper

146 100

111 44.7 35.8 53.6

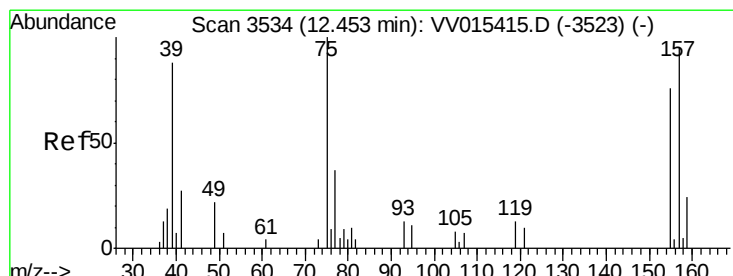
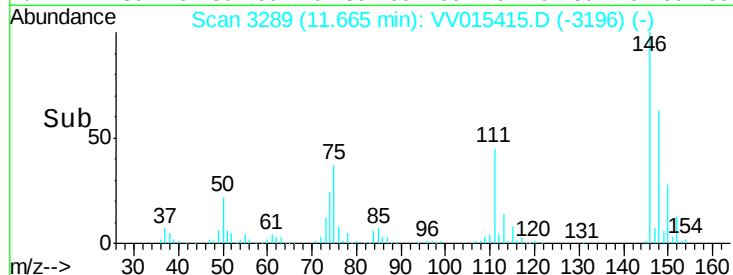
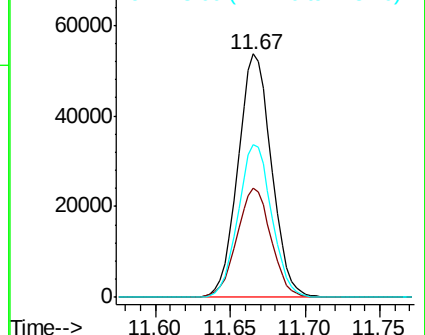
148 62.8 50.2 75.4



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: 5.476 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

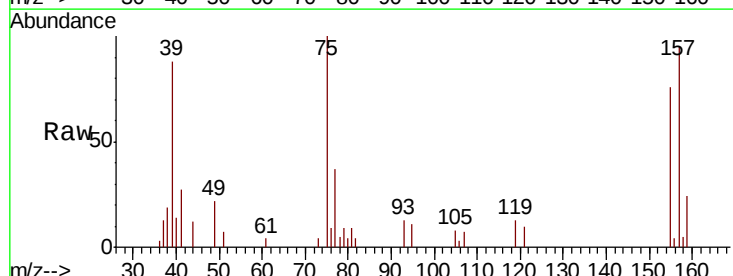
Tgt Ion: 75 Resp: 6542

Ion Ratio Lower Upper

75 100

155 76.0 60.8 91.2

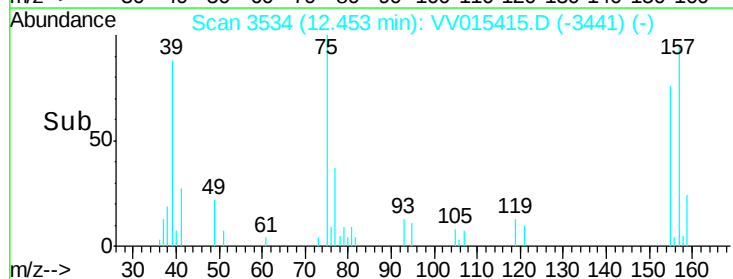
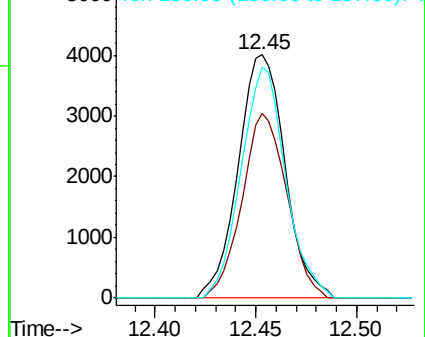
157 94.6 75.7 113.5

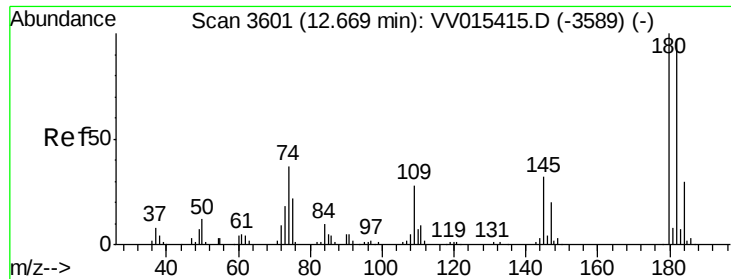


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

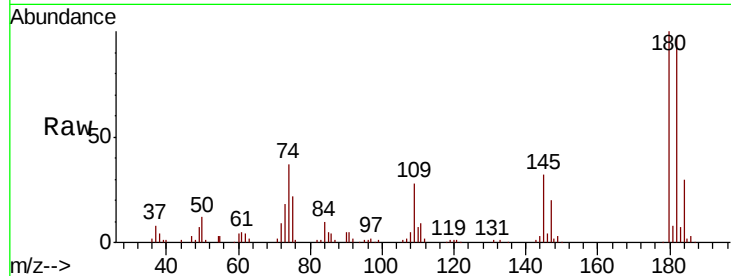




#67
 1,3,5-Trichlorobenzene
 Concen: 5.212 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.0	24.0	36.0
145	32.6	26.1	39.1

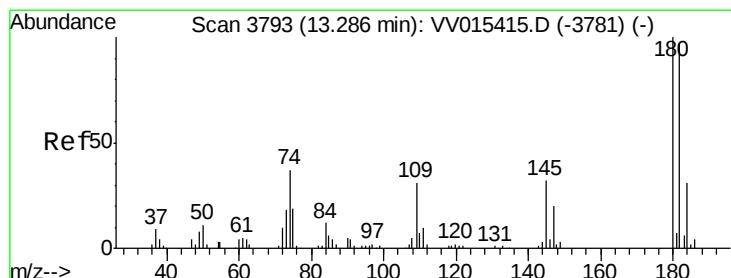
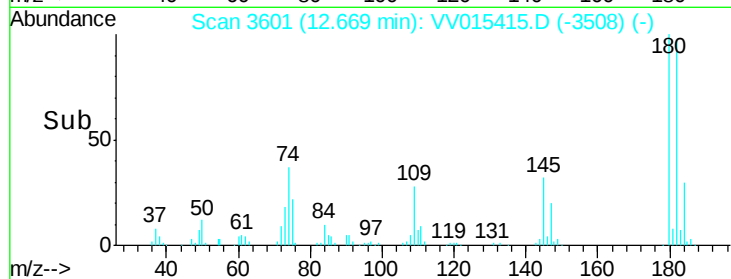
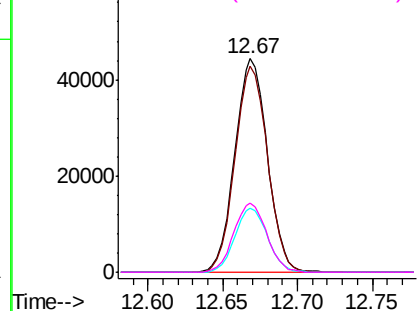


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

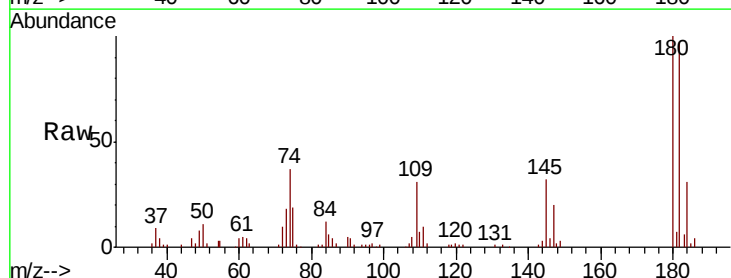
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.233 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015415.D
 Acq: 09 Apr 2020 12:50

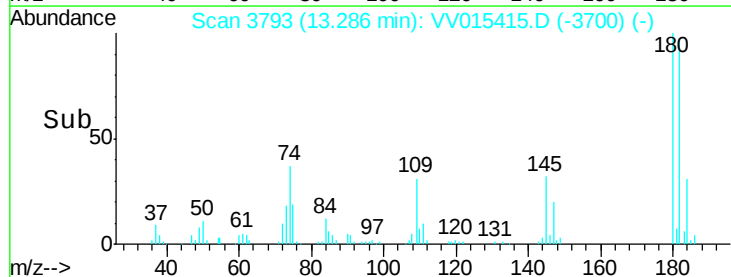
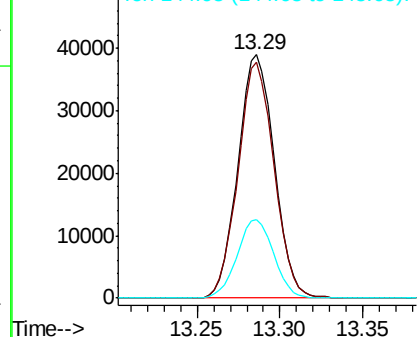
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	32.4	25.9	38.9

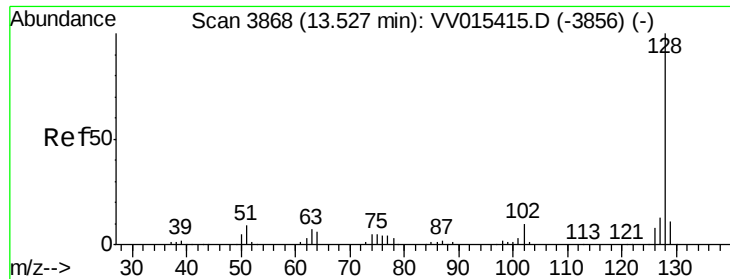


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.265 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

Instrument :

MSVOA_V

ClientSampleId :

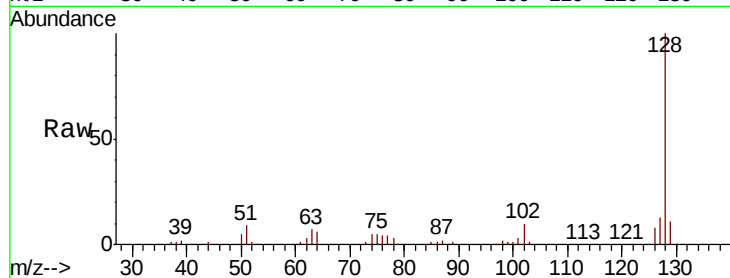
Tot Ion:128 Resp: 111769

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

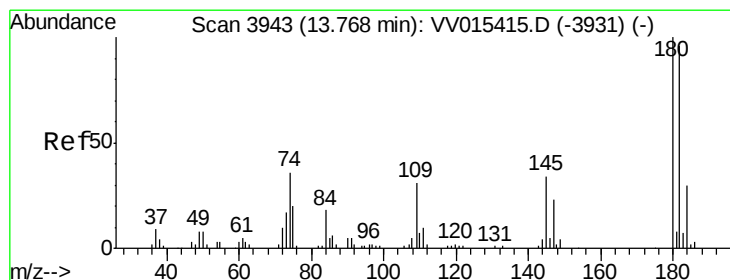
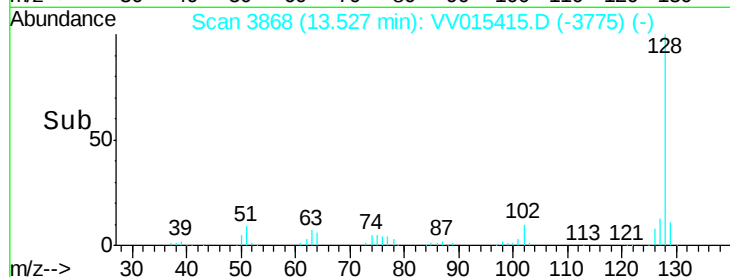
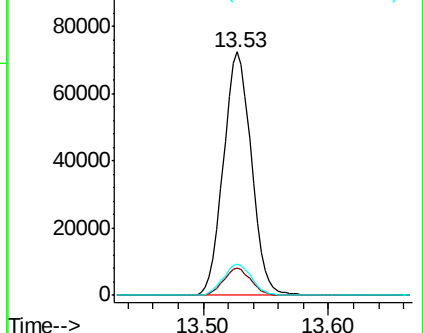
127 13.0 10.4 15.6



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: 5.391 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015415.D

Acq: 09 Apr 2020 12:50

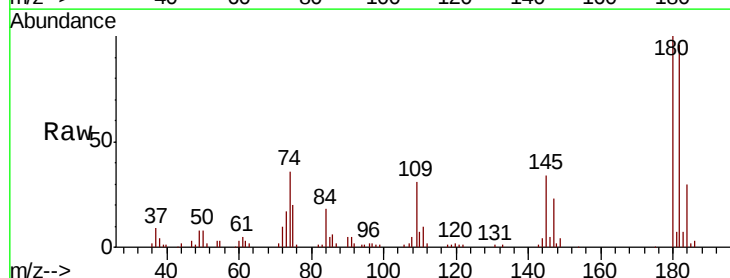
Tgt Ion:180 Resp: 52930

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 35.2 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

