

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016214.D
 Acq On : 27 May 2020 00:48
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:19:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93966	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92432	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	45291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31174	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	26965	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	60884	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.40%
20) 2-Butanone-d5	3.93	46	84054	56.15	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.30%
24) Chloroform-d	4.38	84	62632	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.06	65	32625	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.08	84	118061	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.10	67	36441	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	113212	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
45) trans-1,3-Dichloropropene-	7.64	79	13295	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
48) 2-Hexanone-d5	8.11	63	61084	50.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26780	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	38557	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	46410	5.611	ug/L	100
3) Chloromethane	1.25	50	48894	5.407	ug/L	99
5) Vinyl chloride	1.32	62	44776	5.441	ug/L	97
6) Bromomethane	1.53	94	25185	5.440	ug/L	100
8) Chloroethane	1.60	64	30985	6.739	ug/L	96
9) Trichlorofluoromethane	1.77	101	58536	5.502	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32329	5.575	ug/L	98
12) 1,1-Dichloroethene	2.14	96	31202	5.630	ug/L	91
13) Acetone	2.21	43	52557	56.718	ug/L	88
14) Carbon disulfide	2.31	76	95709	5.571	ug/L	99
15) Methyl Acetate	2.46	43	13832	5.842	ug/L	98
16) Methylene chloride	2.53	84	33242	5.231	ug/L	98
17) Methyl tert-butyl Ether	2.79	73	75105	5.504	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	33250	5.482	ug/L	98
19) 1,1-Dichloroethane	3.21	63	68081	5.909	ug/L	98
21) 2-Butanone	4.02	43	92830	56.316	ug/L	89
22) cis-1,2-Dichloroethene	3.94	96	37399	5.214	ug/L	94

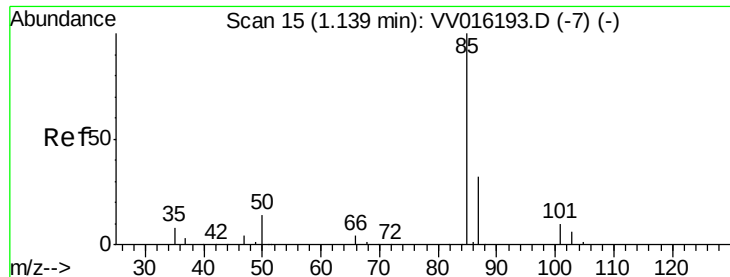
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016214.D
 Acq On : 27 May 2020 00:48
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:19:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	14956	5.493	ug/L	95
25) Chloroform	4.41	83	68146	5.589	ug/L	96
27) 1,2-Dichloroethane	5.16	62	43732	5.486	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	58742	5.354	ug/L	100
30) Cyclohexane	4.70	56	63439	5.396	ug/L	97
31) Carbon tetrachloride	4.86	117	49694	5.346	ug/L	98
33) Benzene	5.13	78	143545	5.397	ug/L	100
34) Trichloroethene	5.94	95	37424	5.401	ug/L	98
35) Methylcyclohexane	6.15	83	59972	5.132	ug/L	99
37) 1,2-Dichloropropane	6.20	63	35854	5.496	ug/L	99
38) Bromodichloromethane	6.53	83	43503	5.419	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	49636	5.372	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	228789	56.369	ug/L	99
42) Toluene	7.41	91	157255	5.421	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	143657	5.440	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	146970	5.404	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	41916	5.460	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	23042	5.370	ug/L	95
49) Tetrachloroethene	8.00	164	26719	5.371	ug/L	96
50) 2-Hexanone	8.16	43	165003	58.294	ug/L	99
51) Dibromochloromethane	8.27	129	25782	5.673	ug/L	96
52) 1,2-Dibromoethane	8.38	107	22338	5.541	ug/L	95
53) Chlorobenzene	8.90	112	96722	5.396	ug/L	99
54) Ethylbenzene	9.03	91	175175	5.418	ug/L	99
55) m,p-xylene	9.16	106	66932	5.521	ug/L	97
56) o-xylene	9.57	106	62295	5.392	ug/L	99
57) Styrene	9.58	104	108360	5.635	ug/L	99
58) Isopropylbenzene	9.95	105	173790	5.491	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	28843	5.407	ug/L	98
62) Bromoform	9.75	173	12187	6.257	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	76185	5.512	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	76520	5.448	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	68165	5.456	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	5038	5.970	ug/L	99
68) 1,3,5-Trichlorobenzene	12.67	180	51858	5.302	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	45350	5.280	ug/L	100
70) Naphthalene	13.53	128	89894	4.791	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	40967	5.289	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.611 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

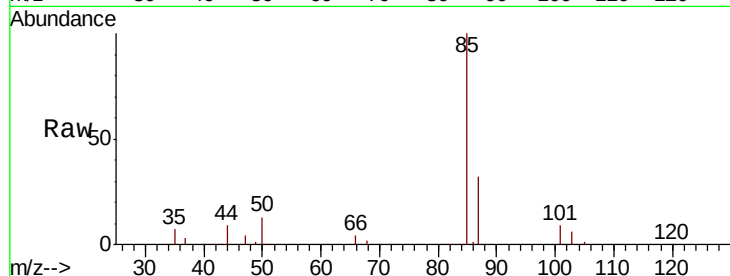
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 46410

Ion Ratio Lower Upper

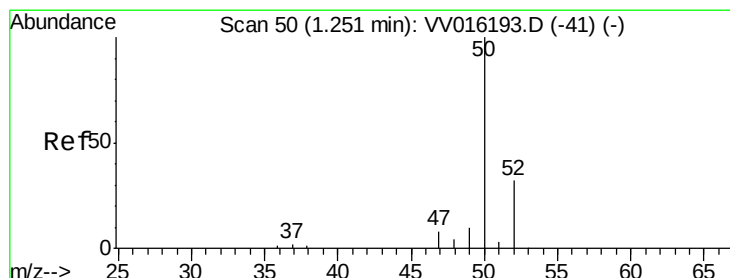
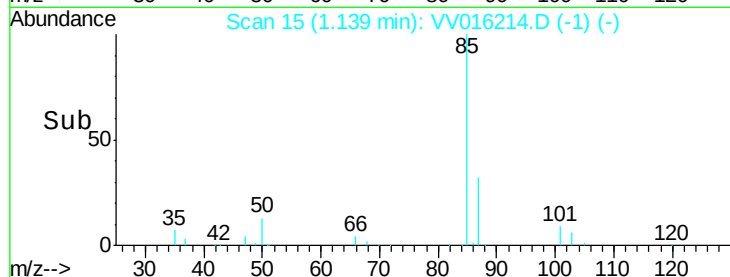
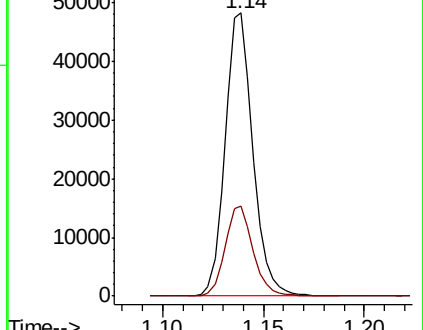
85 100

87 32.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV016193.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV016193.D (-7) (-)



#3

Chloromethane

Concen: 5.407 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016214.D

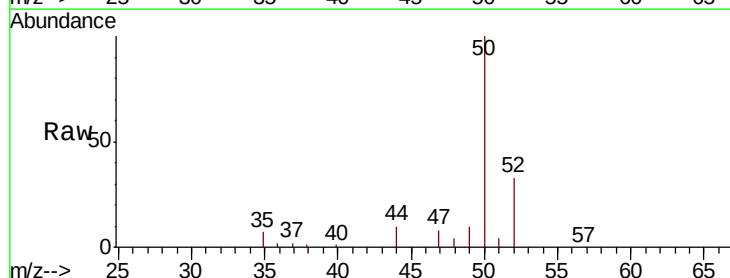
Acq: 27 May 2020 00:48

Tgt Ion: 50 Resp: 48894

Ion Ratio Lower Upper

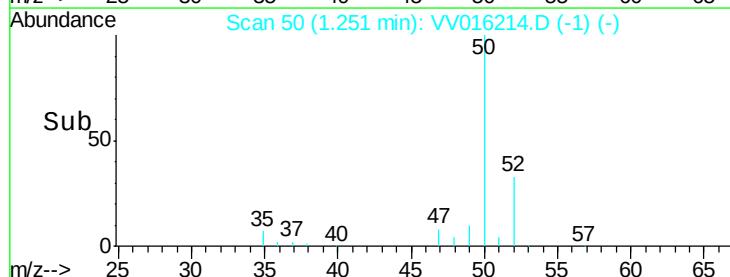
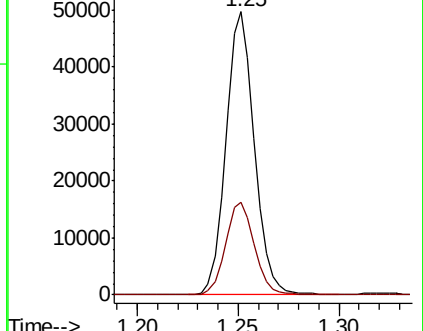
50 100

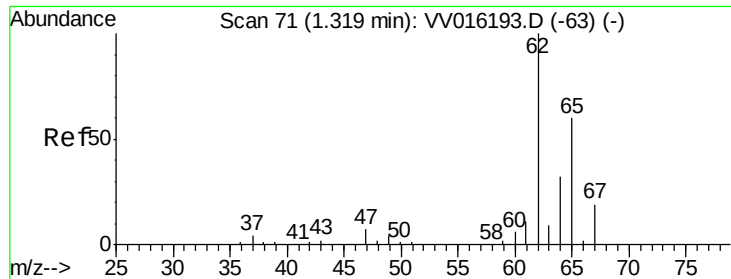
52 32.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV016193.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV016193.D (-41) (-)





#5

Vinyl chloride

Concen: 5.441 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :

MSVOA_V

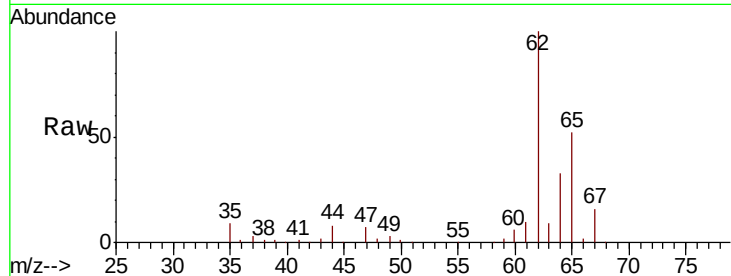
ClientSampled :

Tot Ion: 62 Resp: 44776

Ion Ratio Lower Upper

62 100

64 33.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

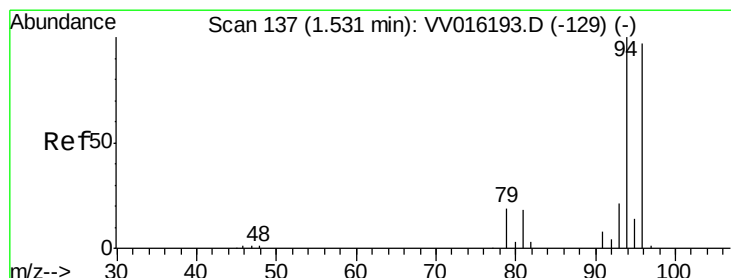
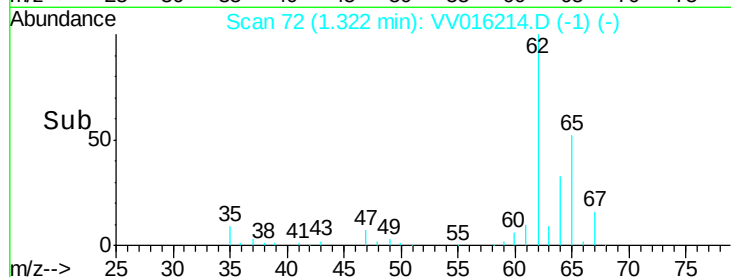
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 5.440 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016214.D

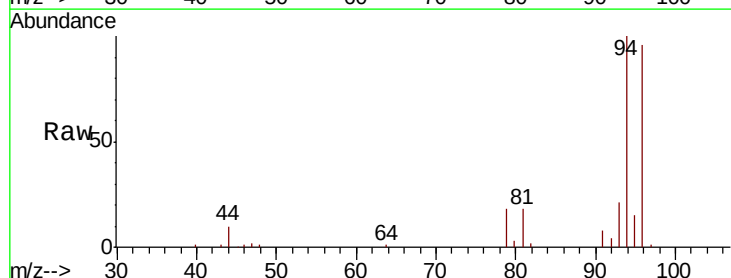
Acq: 27 May 2020 00:48

Tgt Ion: 94 Resp: 25185

Ion Ratio Lower Upper

94 100

96 96.4 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

25000

20000

15000

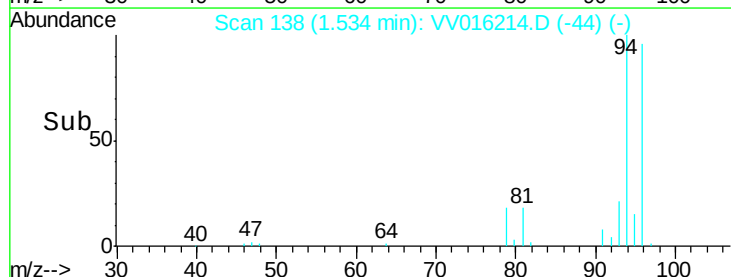
10000

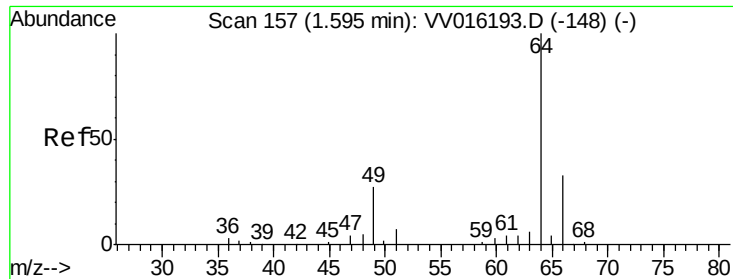
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 6.739 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

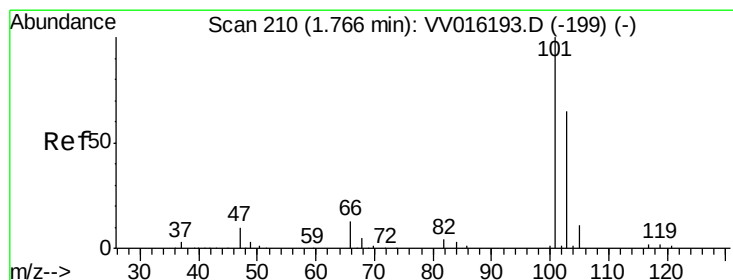
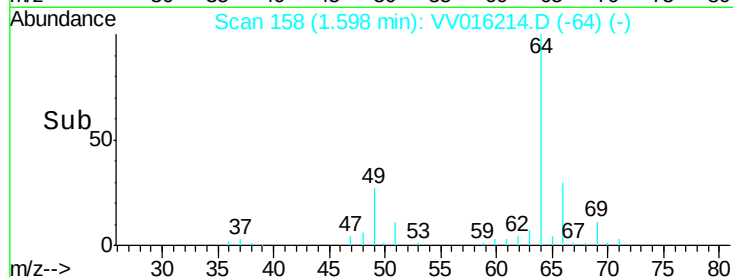
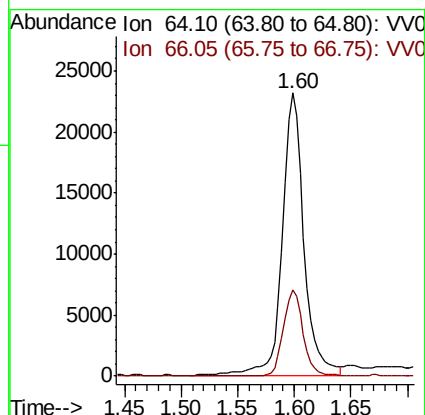
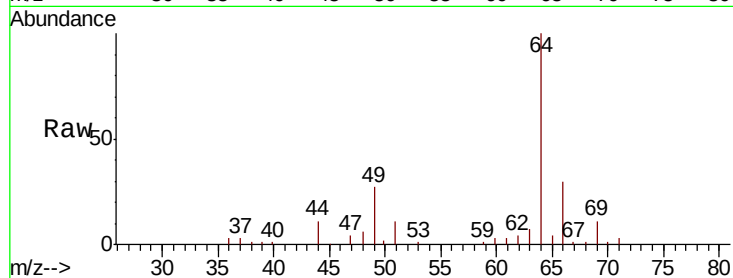
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 30985

Ion Ratio Lower Upper

64 100

66 30.3 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.502 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV016214.D

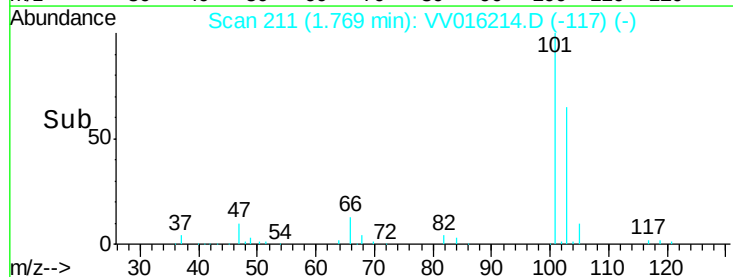
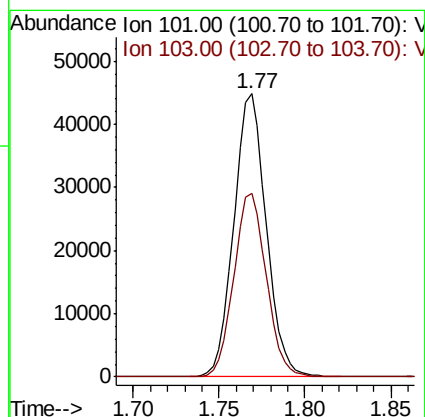
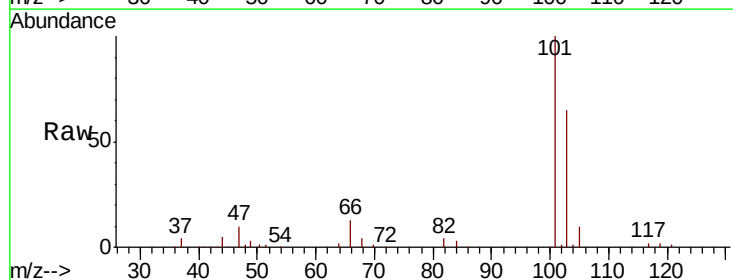
Acq: 27 May 2020 00:48

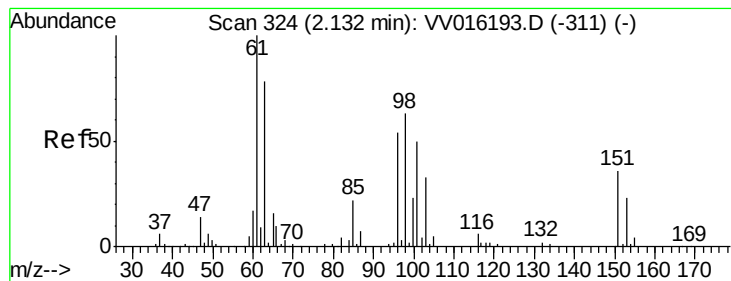
Tgt Ion: 101 Resp: 58536

Ion Ratio Lower Upper

101 100

103 65.1 51.9 77.9





#10

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

Concen: 5.575 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :

MSVOA_V

ClientSampled :

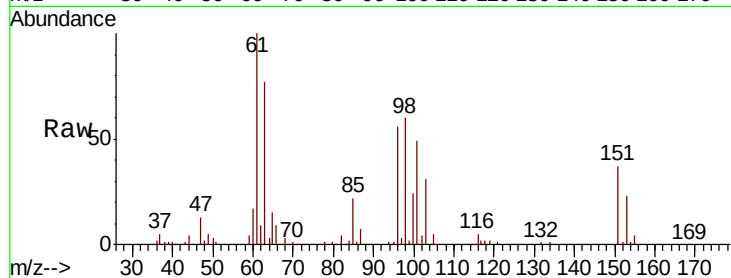
Tot Ion:101 Resp: 32329

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.6

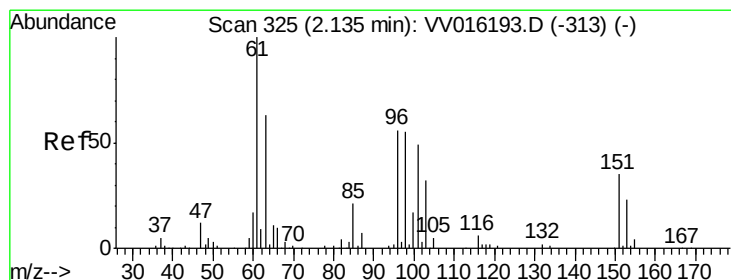
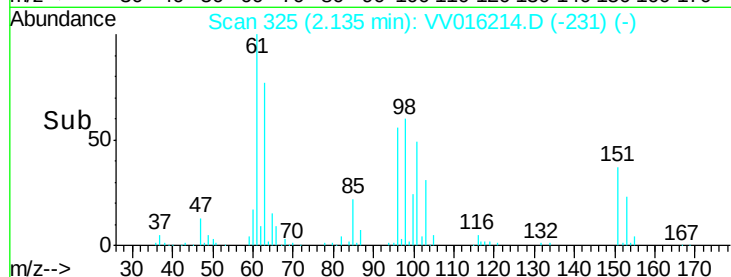
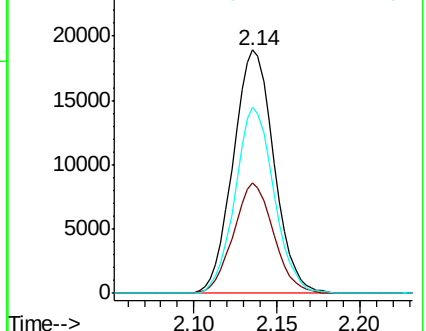
151 72.7 56.3 84.5



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: 5.630 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

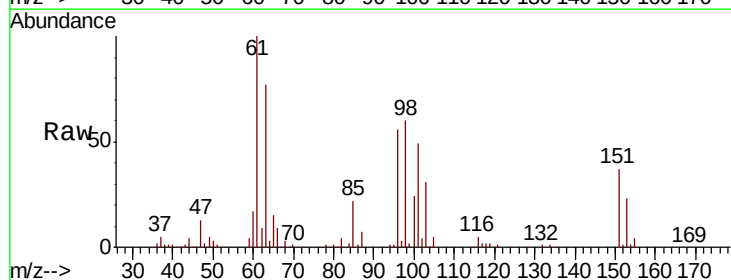
Tgt Ion: 96 Resp: 31202

Ion Ratio Lower Upper

96 100

61 179.3 124.9 231.9

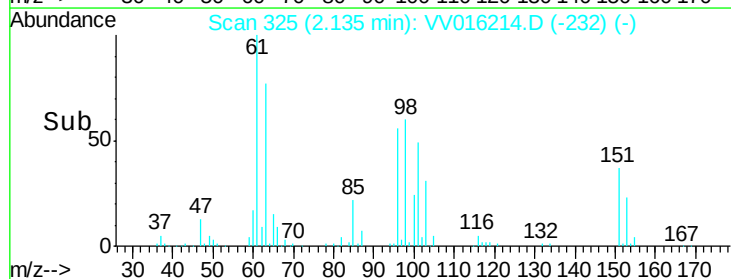
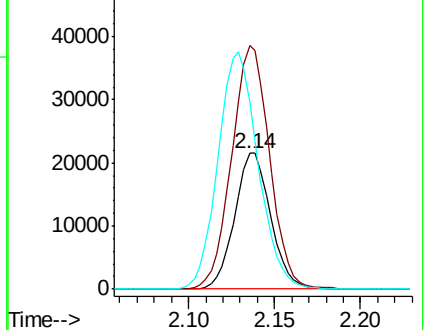
63 138.0 80.4 149.2

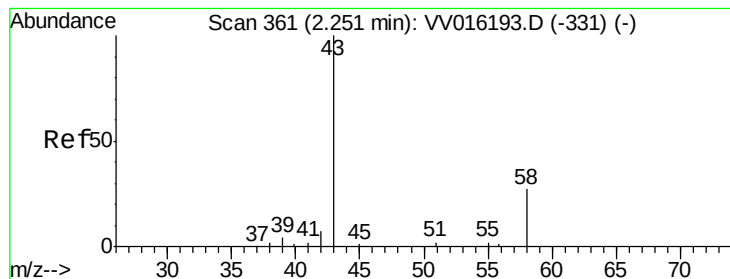


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.718 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.04 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :

MSVOA_V

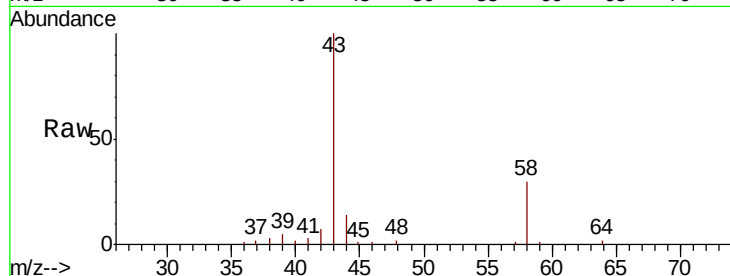
ClientSampleId :

Tot Ion: 43 Resp: 52557

Ion Ratio Lower Upper

43 100

58 30.4 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

15000

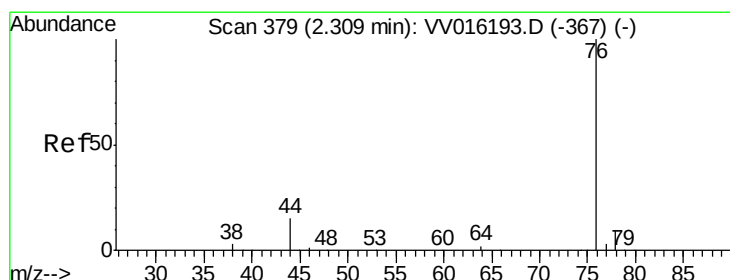
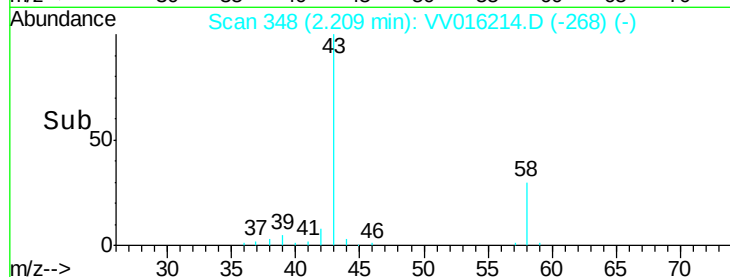
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.571 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016214.D

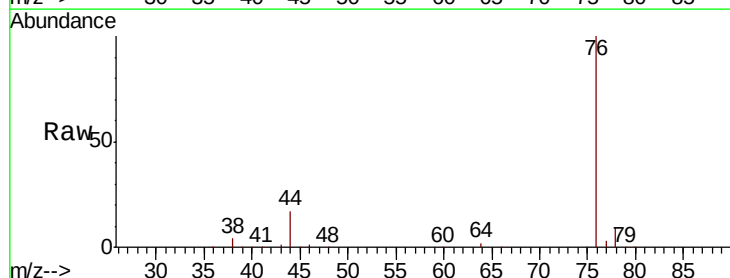
Acq: 27 May 2020 00:48

Tgt Ion: 76 Resp: 95709

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

60000

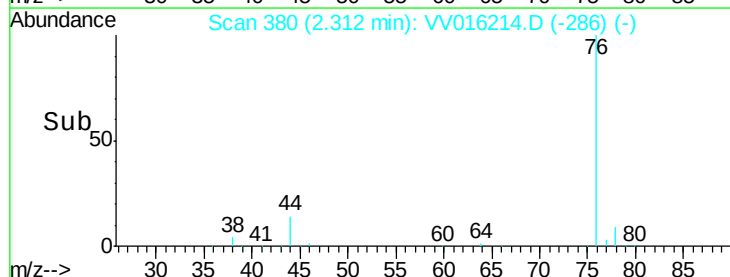
40000

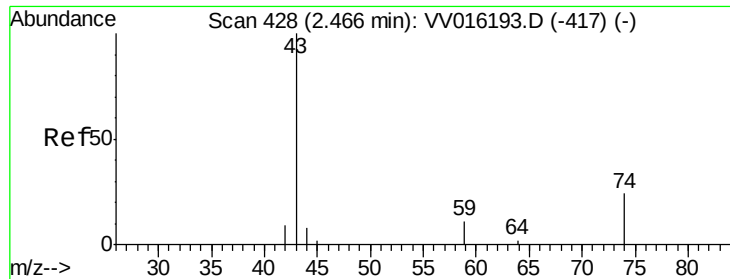
20000

0

Time-->

2.25 2.30 2.35 2.40

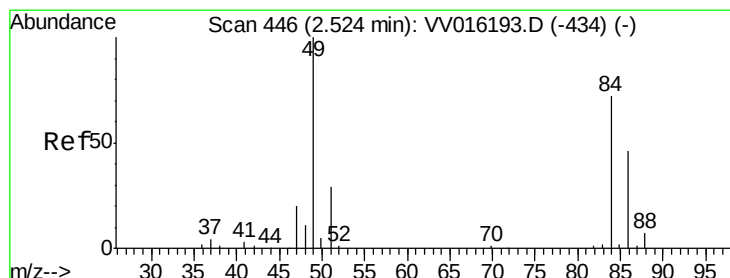
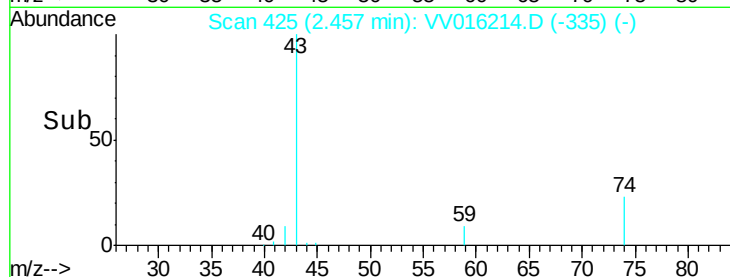
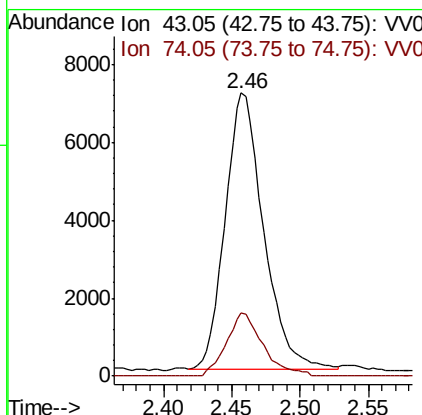
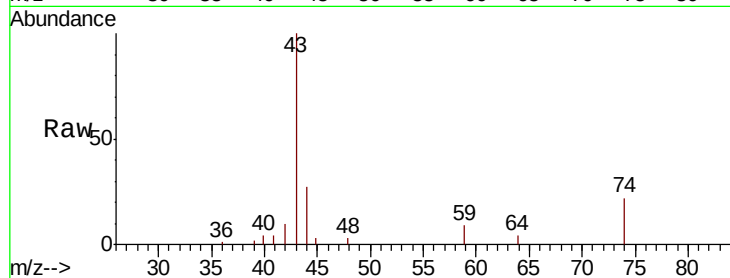




#15
Methvl Acetate
Concen: 5.842 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

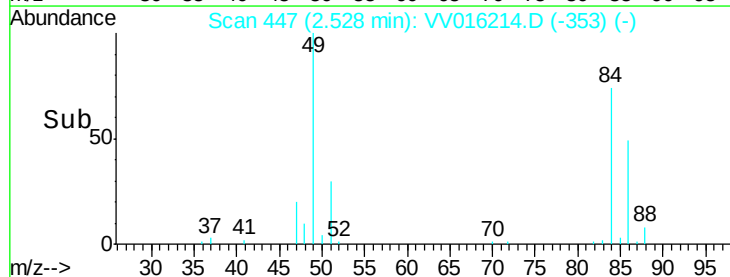
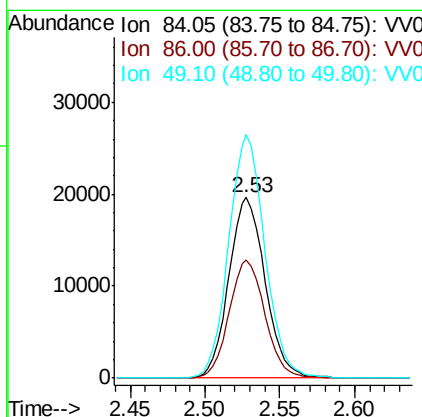
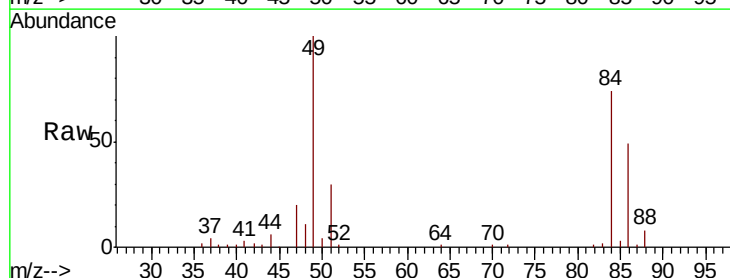
Instrument :
MSVOA_V
ClientSampleId :

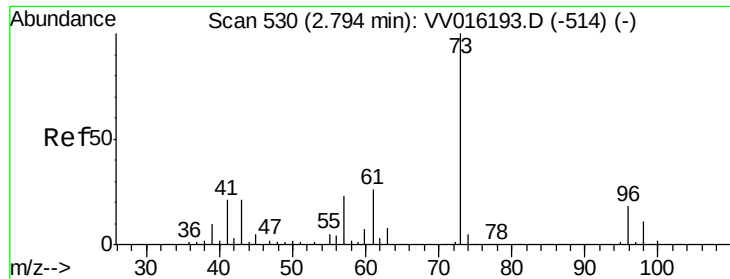
Tot Ion: 43 Resp: 13832
Ion Ratio Lower Upper
43 100
74 21.8 18.1 27.1



#16
Methylene chloride
Concen: 5.231 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion: 84 Resp: 33242
Ion Ratio Lower Upper
84 100
86 65.7 44.9 83.5
49 135.0 96.7 179.7

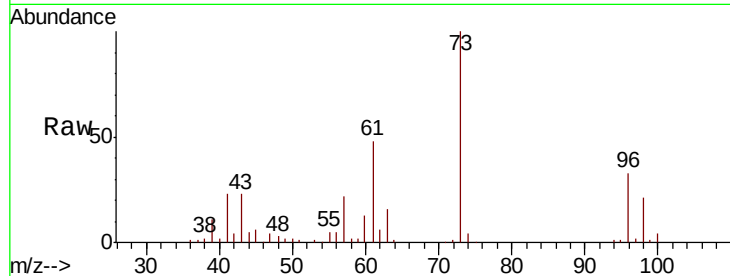




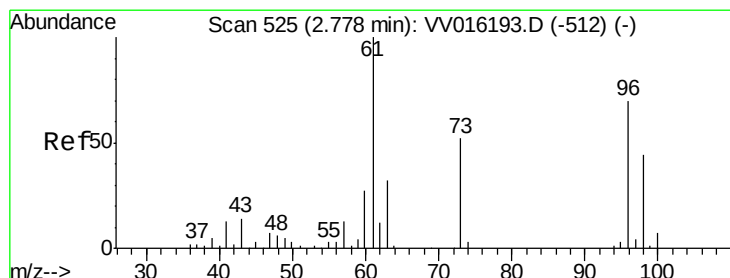
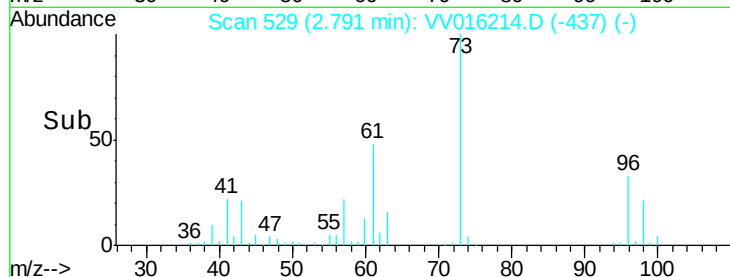
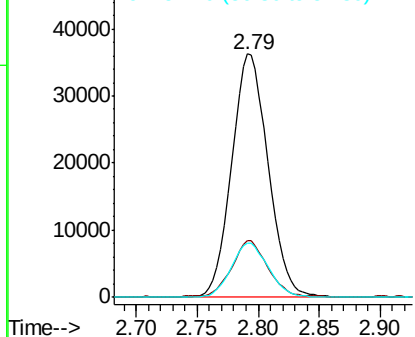
#17
Methyl tert-butyl Ether
Concen: 5.504 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 75105
Ion Ratio Lower Upper
73 100
43 23.6 17.8 26.8
57 22.6 18.9 28.3

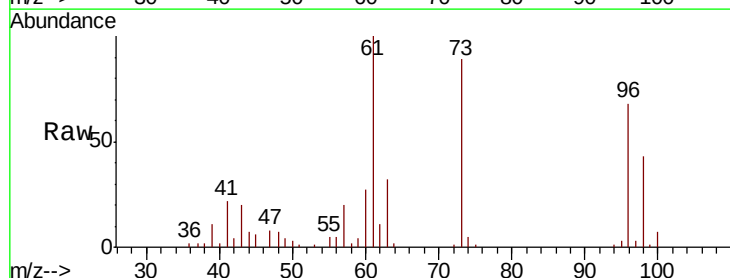


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

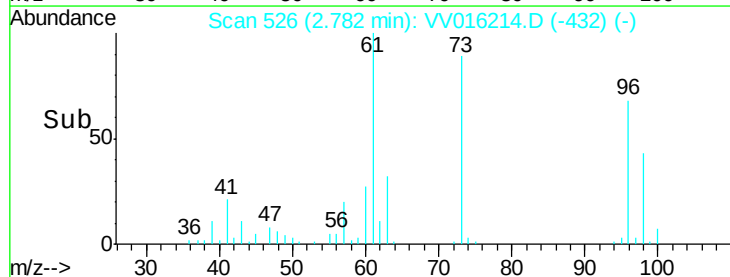
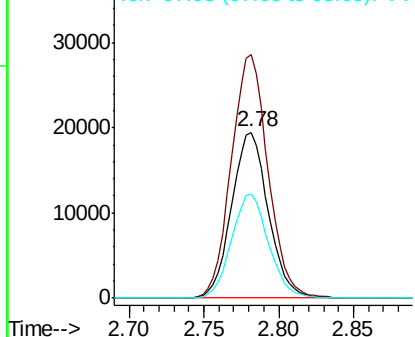


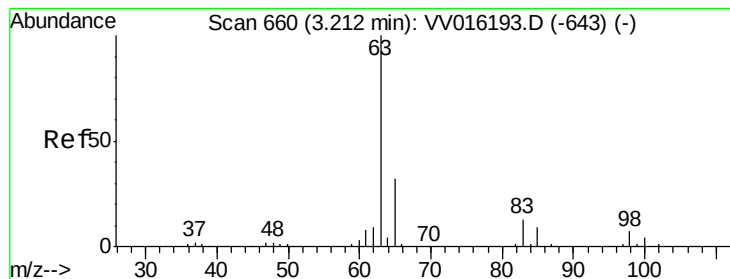
#18
trans-1,2-Dichloroethene
Concen: 5.482 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion: 96 Resp: 33250
Ion Ratio Lower Upper
96 100
61 146.9 99.8 185.4
98 62.7 44.0 81.6



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: 5.909 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :

MSVOA_V

ClientSampleId :

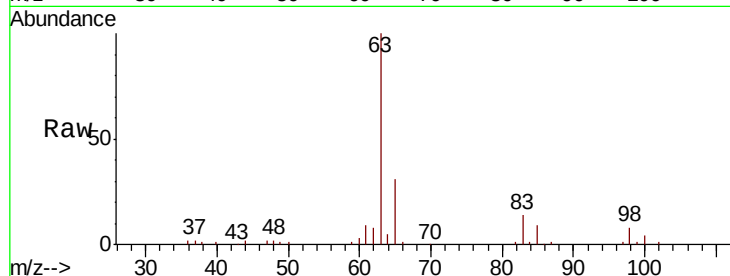
Tot Ion: 63 Resp: 68081

Ion Ratio Lower Upper

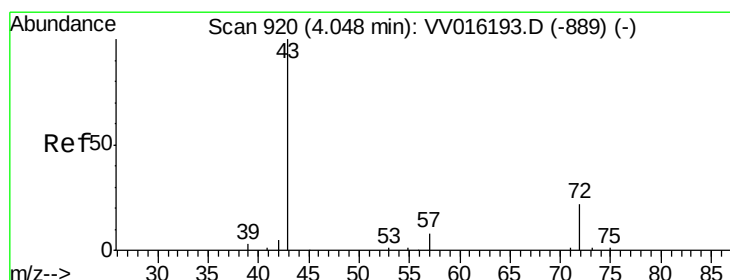
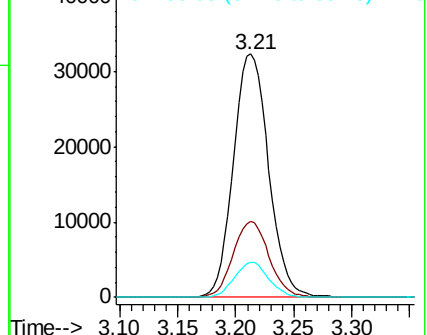
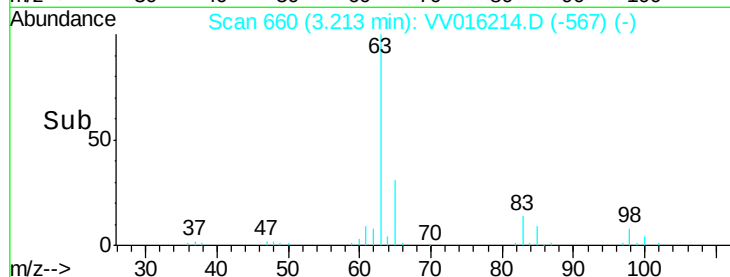
63 100

65 31.3 22.3 41.5

83 14.4 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VV016214.D (-567) (-)



#21

2-Butanone

Concen: 56.316 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.03 min

Lab File: VV016214.D

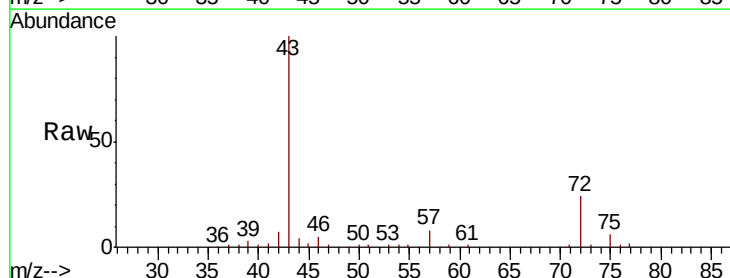
Acq: 27 May 2020 00:48

Tgt Ion: 43 Resp: 92830

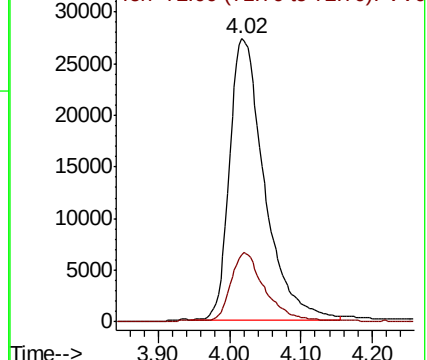
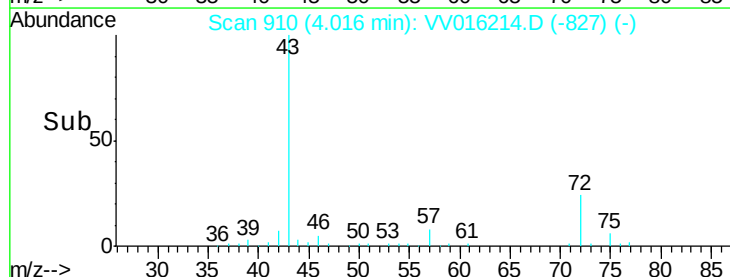
Ion Ratio Lower Upper

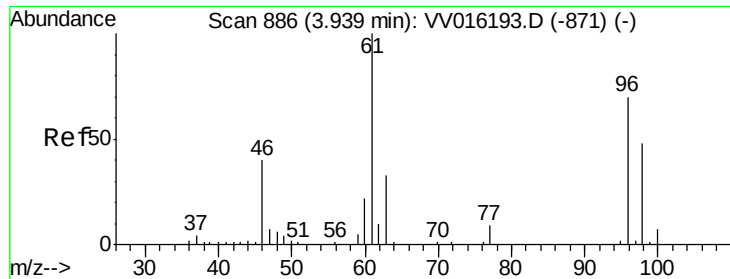
43 100

72 24.3 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV016214.D (-827) (-)



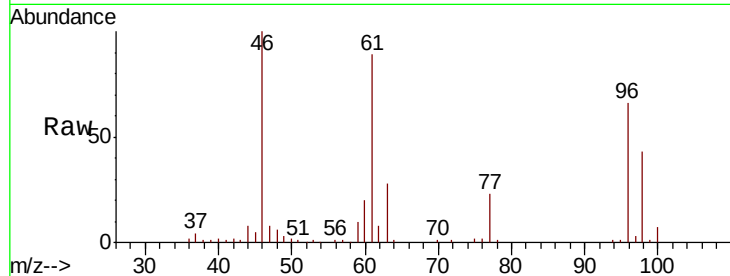


#22

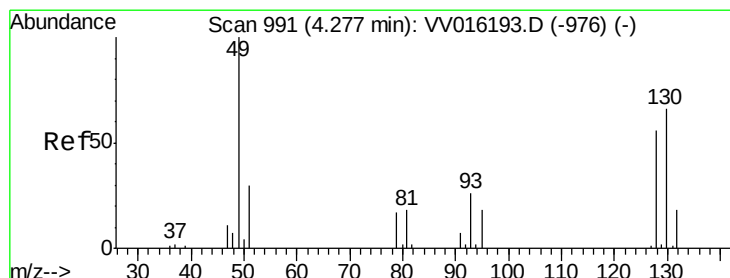
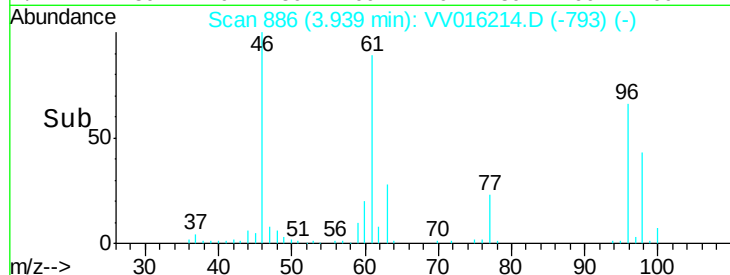
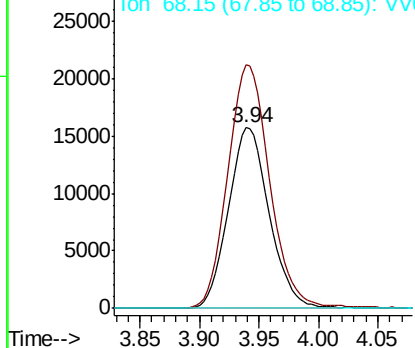
cis-1,2-Dichloroethene
Concen: 5.214 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 37399
Ion Ratio Lower Upper
96 100
61 134.9 99.7 185.1
68 0.0 0.0 0.0



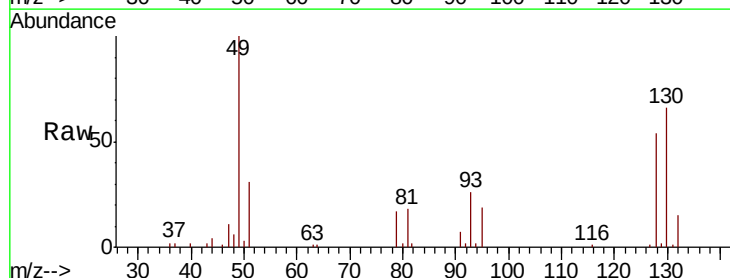
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



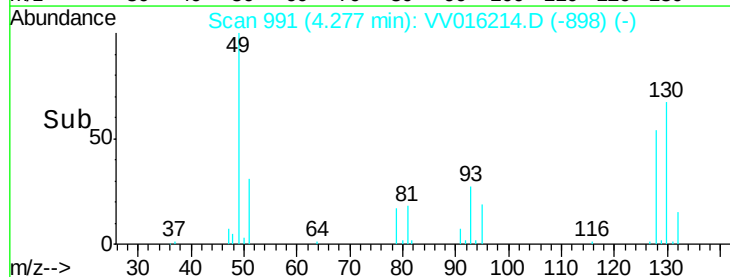
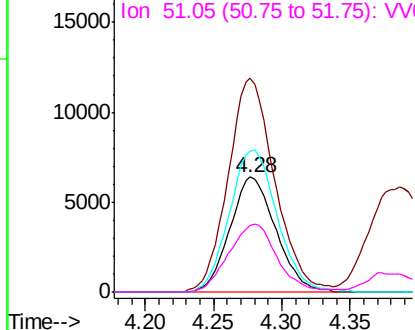
#23

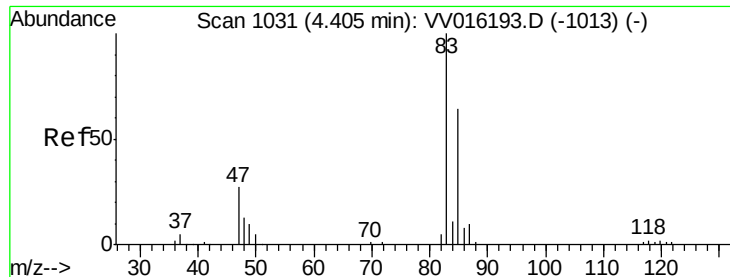
Bromochloromethane
Concen: 5.493 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion: 128 Resp: 14956
Ion Ratio Lower Upper
128 100
49 185.8 125.5 233.1
130 123.0 83.0 154.2
51 57.7 42.9 64.3



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

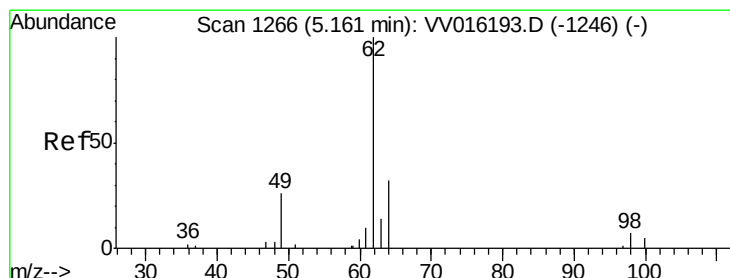
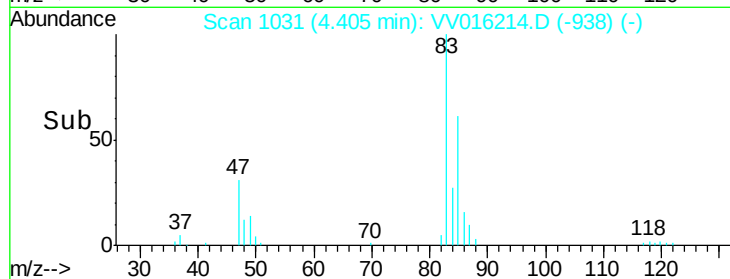
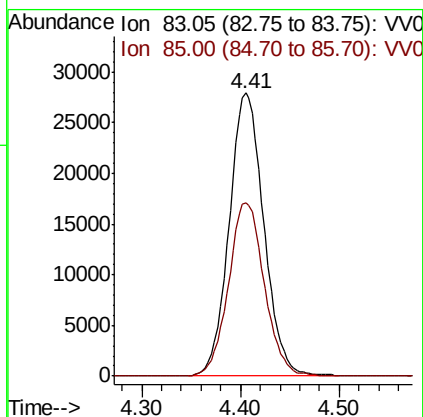
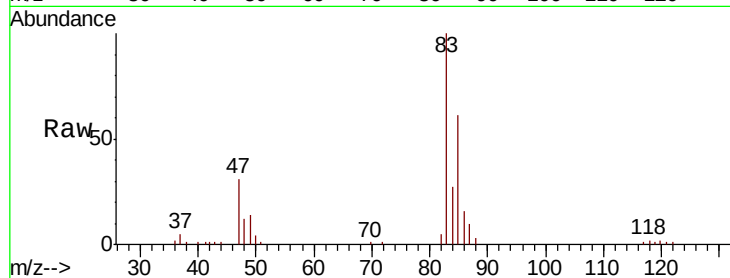




#25
Chloroform
Concen: 5.589 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

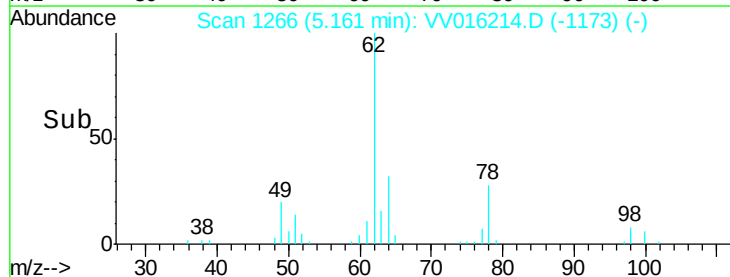
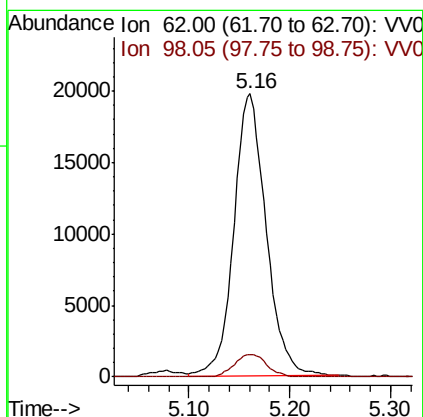
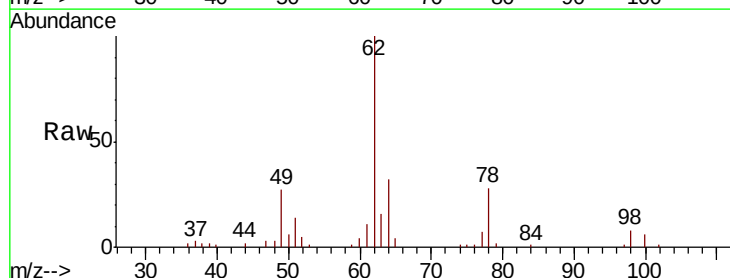
Instrument :
MSVOA_V
ClientSampleId :

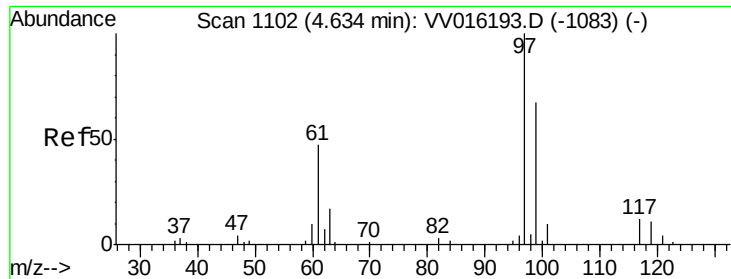
Tot Ion: 83 Resp: 68146
Ion Ratio Lower Upper
83 100
85 61.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.486 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion: 62 Resp: 43732
Ion Ratio Lower Upper
62 100
98 8.1 5.7 8.5

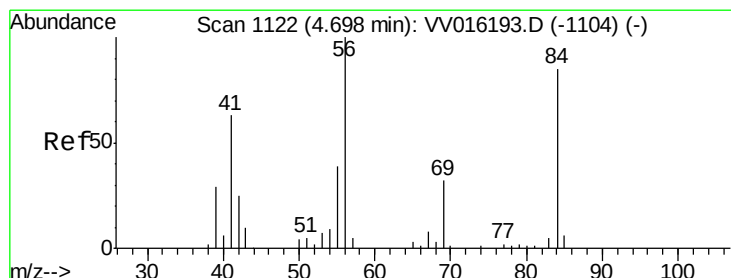
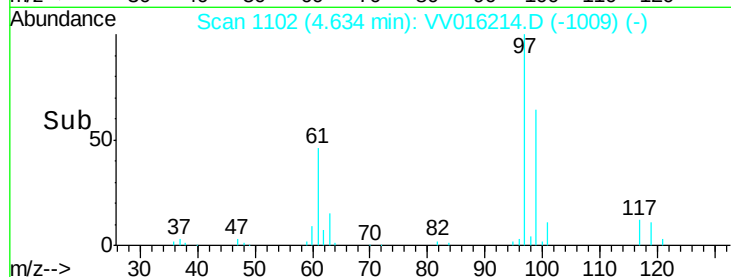
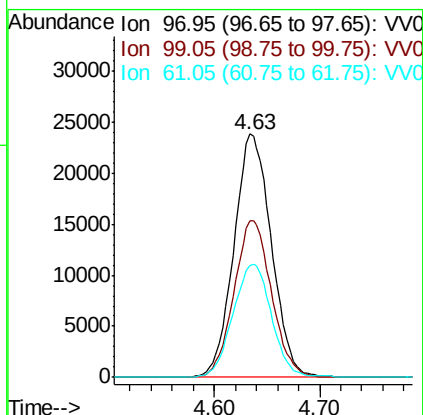
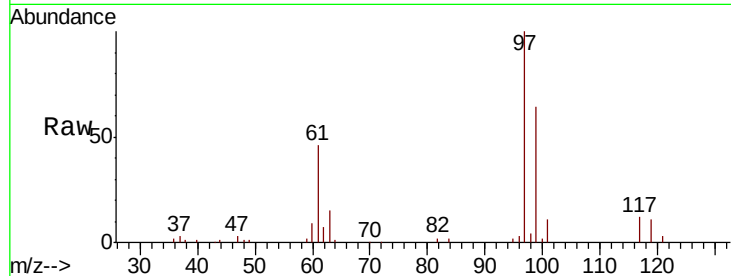




#29
 1,1,1-Trichloroethane
 Concen: 5.354 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

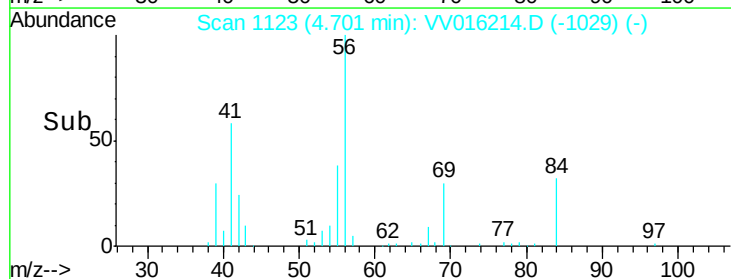
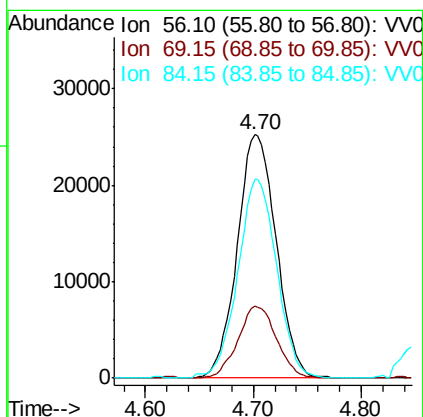
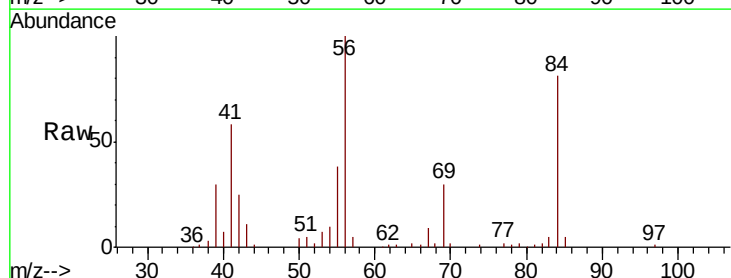
Instrument :
 MSVOA_V
 ClientSampleId :

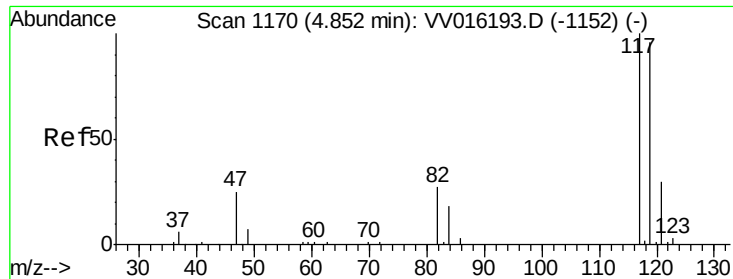
Tot Ion: 97 Resp: 58742
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.2 76.8
 61 47.8 38.6 57.8



#30
 Cyclohexane
 Concen: 5.396 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion: 56 Resp: 63439
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.6 36.8
 84 81.5 67.1 100.7

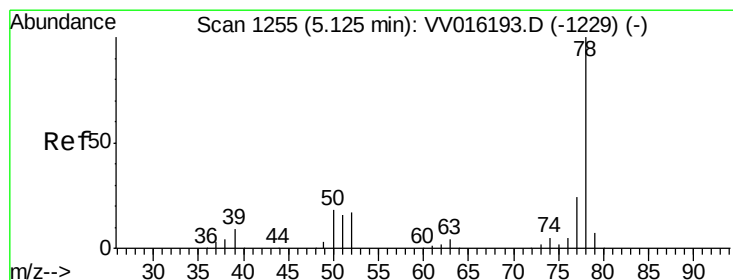
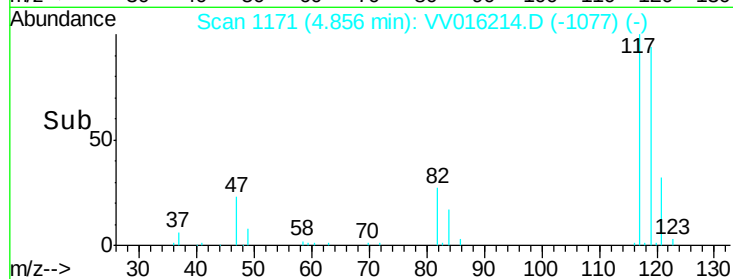
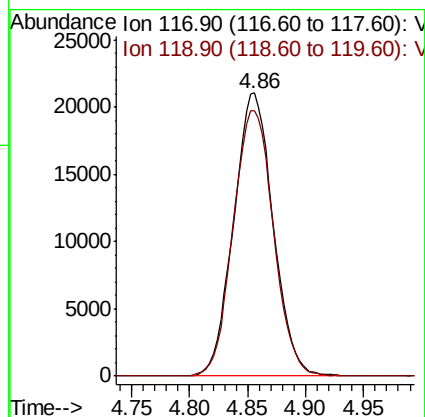
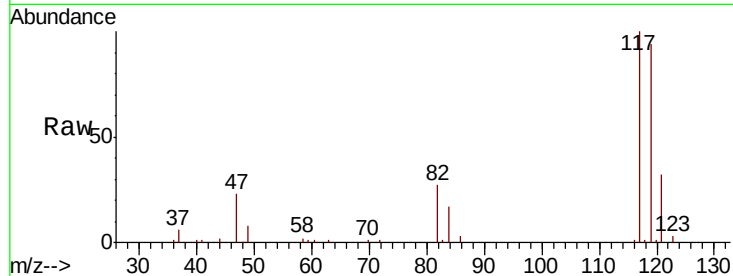




#31
Carbon tetrachloride
Concen: 5.346 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

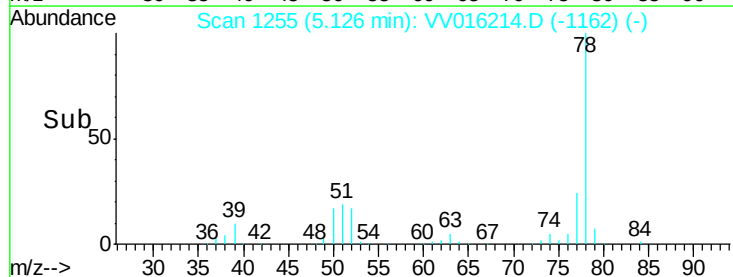
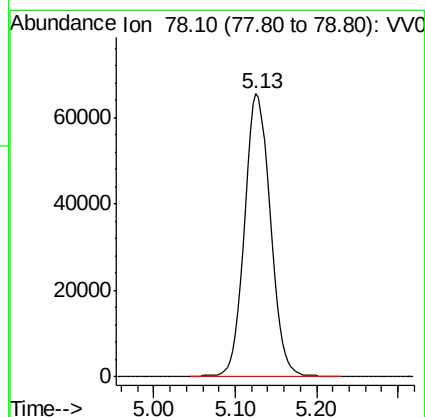
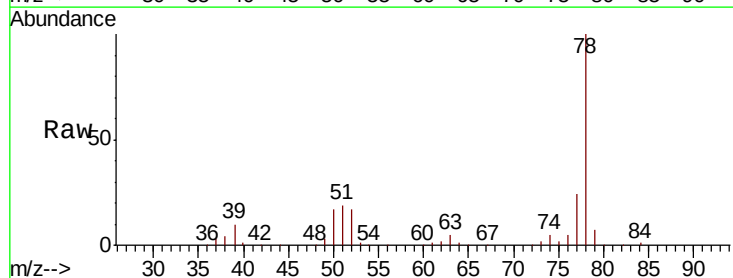
Instrument :
MSVOA_V
ClientSampleId :

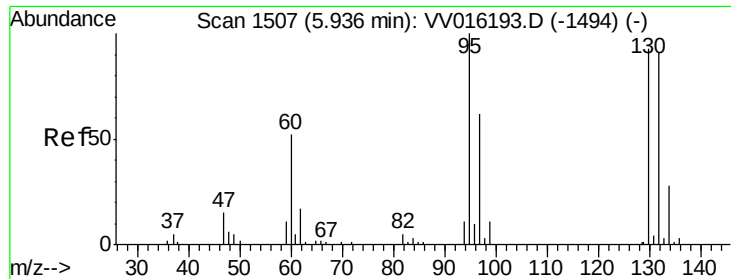
Tot Ion:117 Resp: 49694
Ion Ratio Lower Upper
117 100
119 95.9 75.2 112.8



#33
Benzene
Concen: 5.397 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion: 78 Resp: 143545





#34

Trichloroethene

Concen: 5.401 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 37424

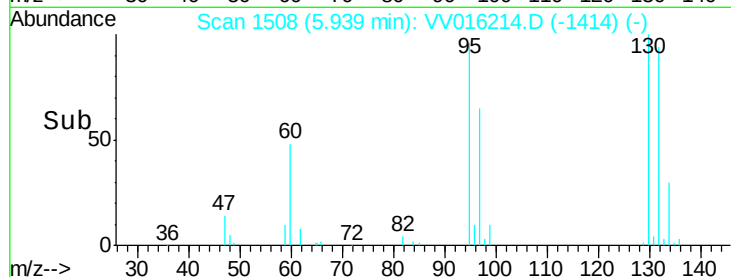
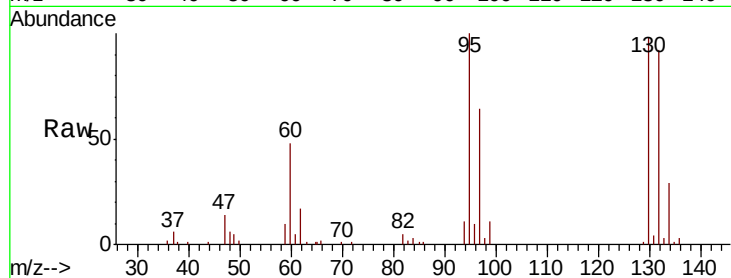
Ion Ratio Lower Upper

95 100

97 63.6 43.6 81.0

132 92.0 63.9 118.7

130 97.7 65.2 121.0

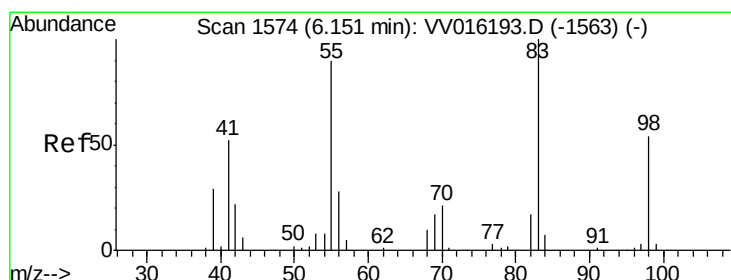
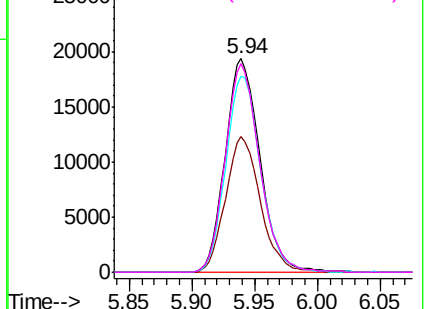


Abundance Ion 95.00 (94.70 to 95.70): VV016214.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016214.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016214.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016214.D (-1414) (-)



#35

Methylcyclohexane

Concen: 5.132 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

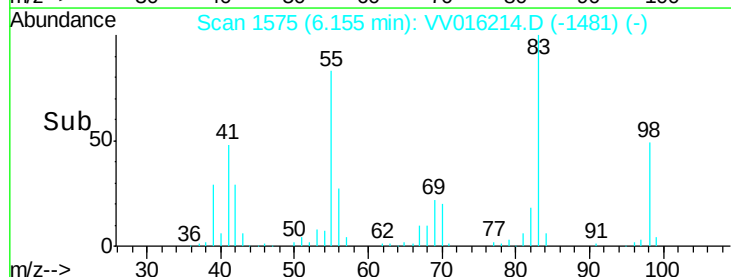
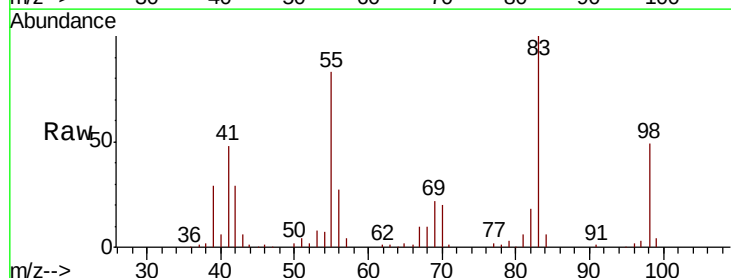
Tgt Ion: 83 Resp: 59972

Ion Ratio Lower Upper

83 100

55 83.0 65.4 98.0

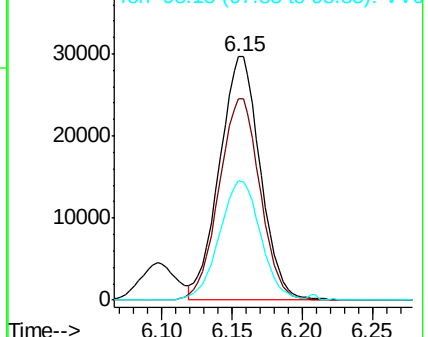
98 49.3 39.3 58.9

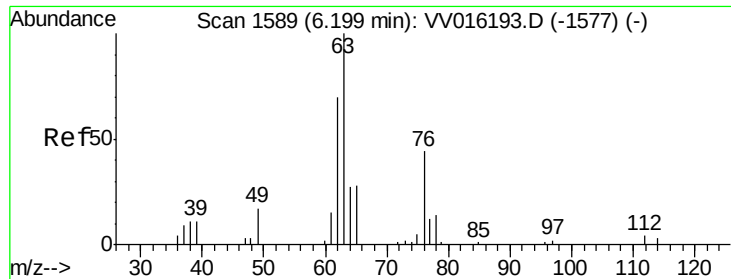


Abundance Ion 83.15 (82.85 to 83.85): VV016214.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV016214.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV016214.D (-1481) (-)

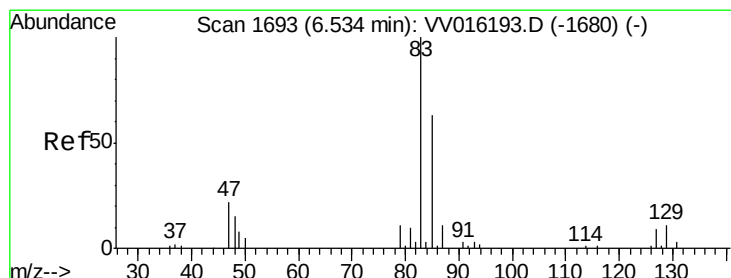
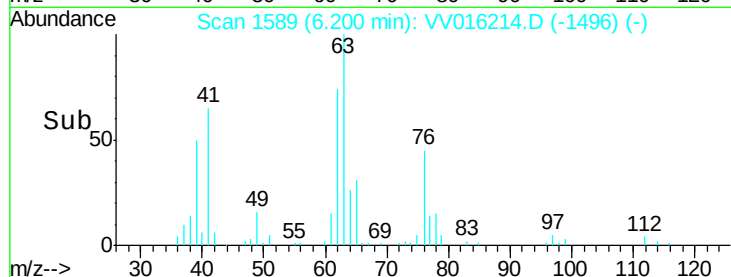
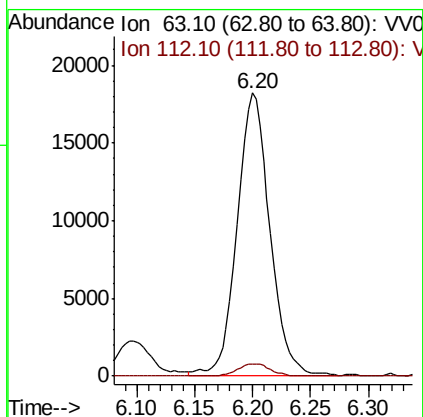
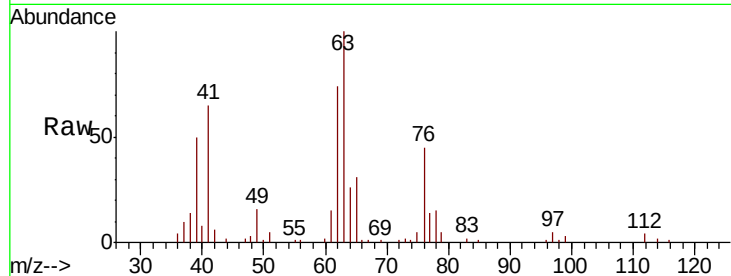




#37
 1,2-Dichloropropane
 Concen: 5.496 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

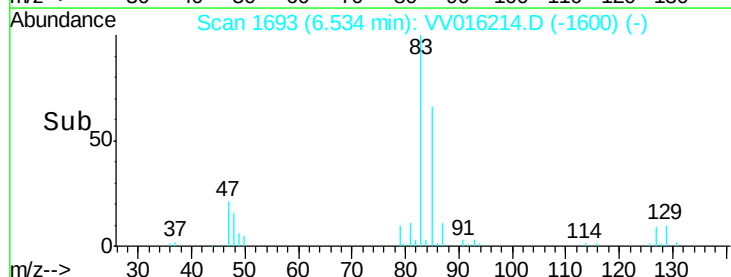
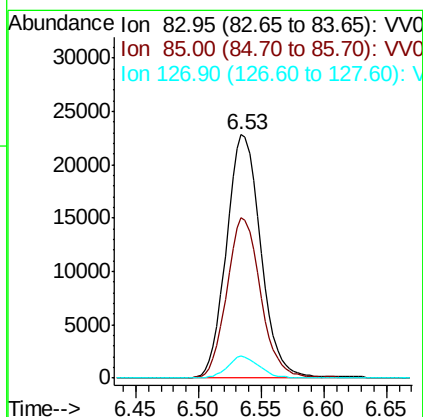
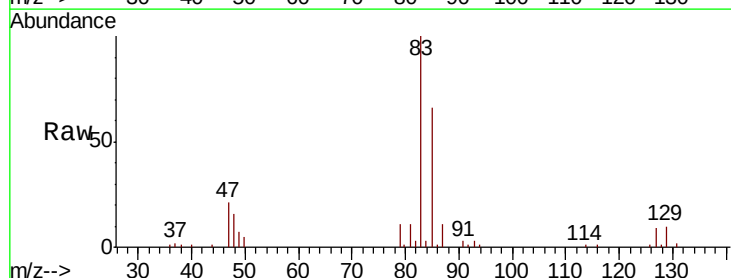
Instrument :
 MSVOA_V
 ClientSampled :

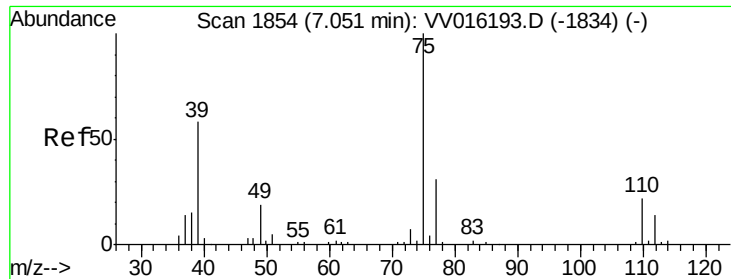
Tot Ion: 63 Resp: 35854
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.419 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion: 83 Resp: 43503
 Ion Ratio Lower Upper
 83 100
 85 65.7 44.2 82.2
 127 9.2 7.1 10.7

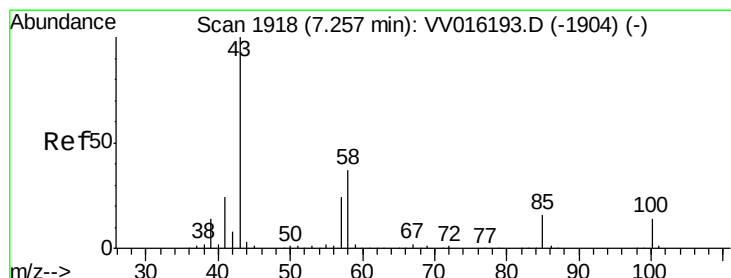
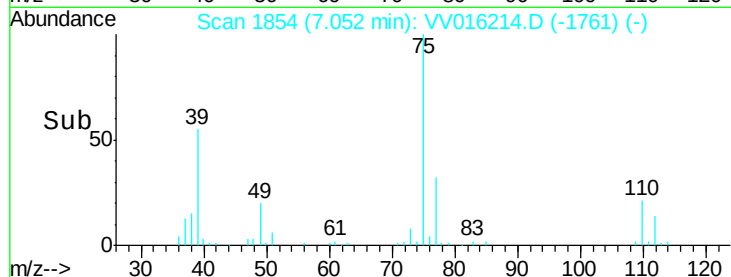
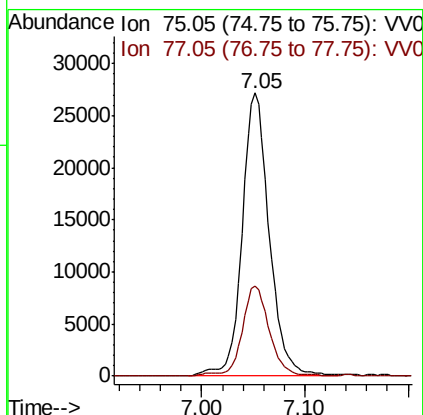
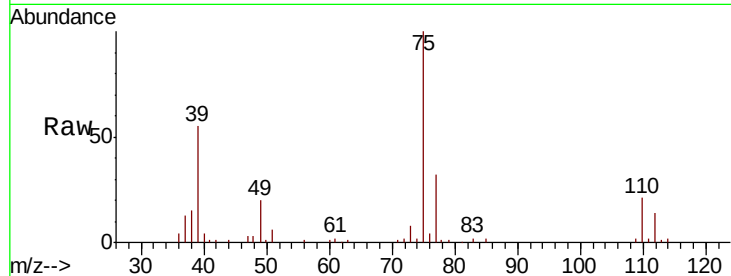




#39
 cis-1,3-Dichloropropene
 Concen: 5.372 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

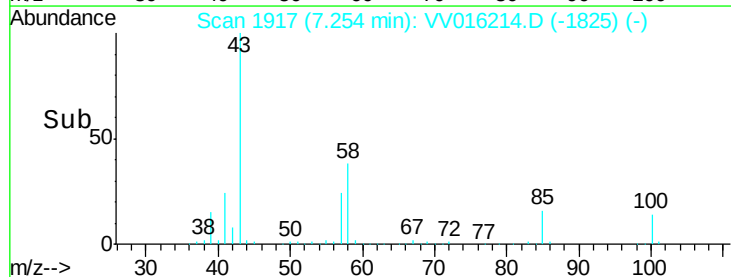
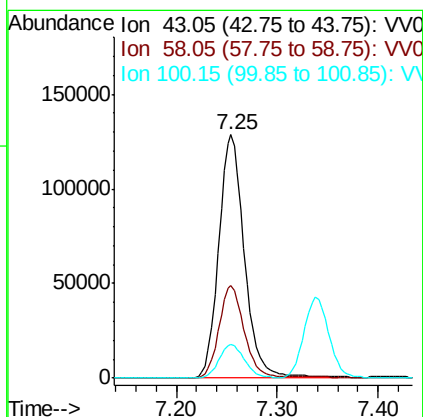
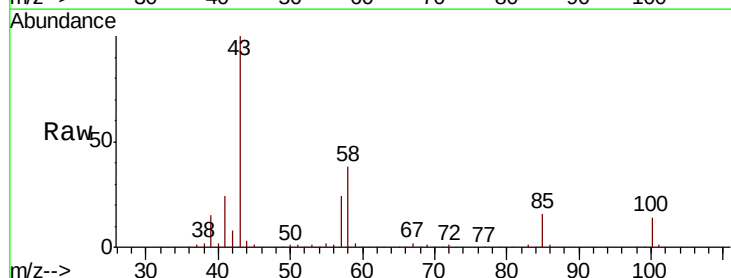
Instrument :
 MSVOA_V
 ClientSampleId :

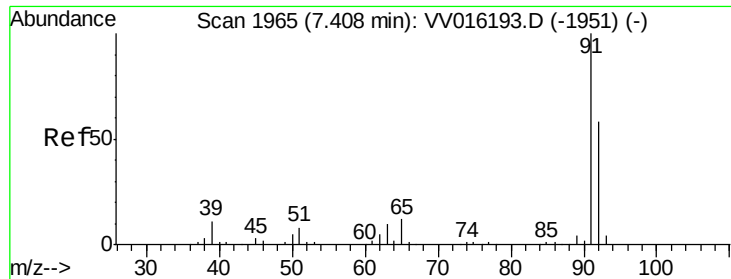
Tot Ion: 75 Resp: 49636
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 56.369 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion: 43 Resp: 228789
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.5 44.3
 100 13.8 11.1 16.7





#42

Toluene

Concen: 5.421 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

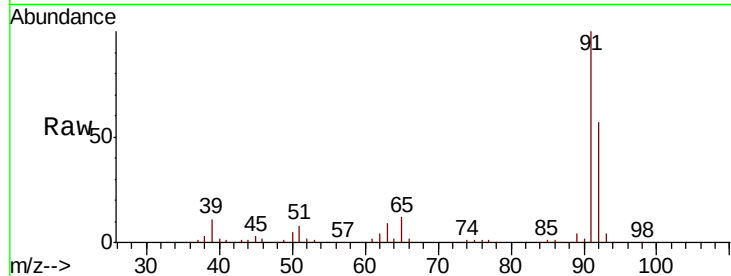
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 157255

Ion Ratio Lower Upper

91 100

92 57.4 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016193.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016193.D (-1951) (-)

7.41

100000

80000

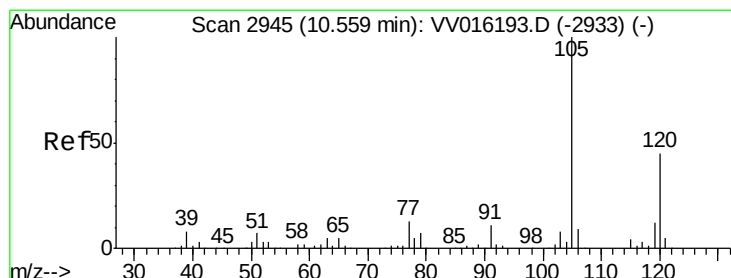
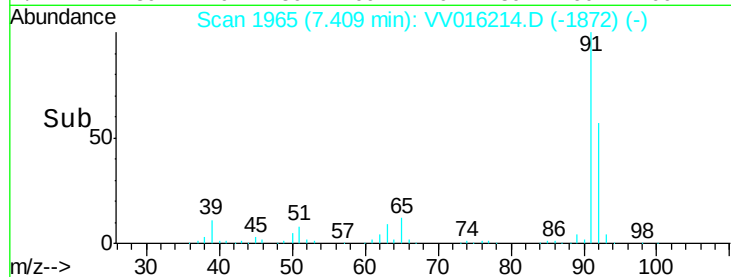
60000

40000

20000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.440 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016214.D

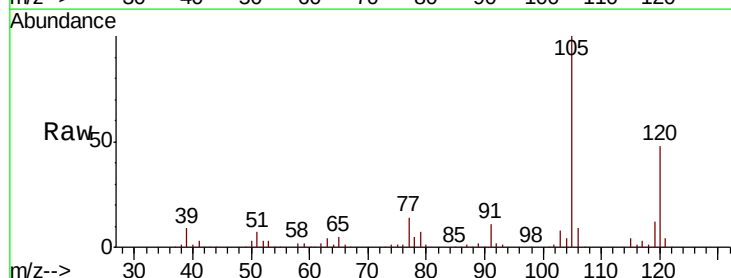
Acq: 27 May 2020 00:48

Tgt Ion:105 Resp: 143657

Ion Ratio Lower Upper

105 100

120 47.9 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016193.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016193.D (-2933) (-)

10.56

100000

80000

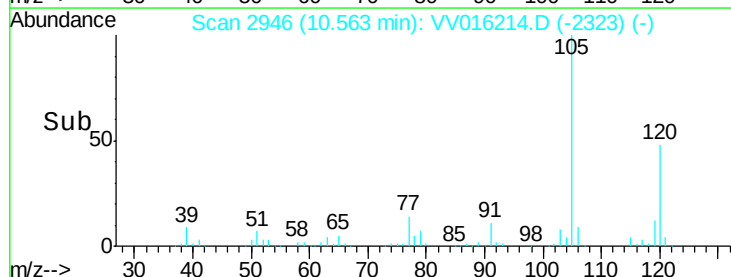
60000

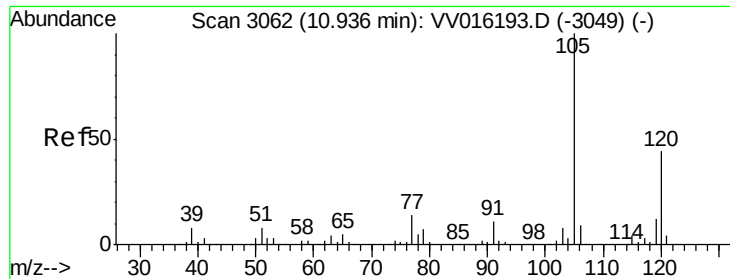
40000

20000

0

Time-->

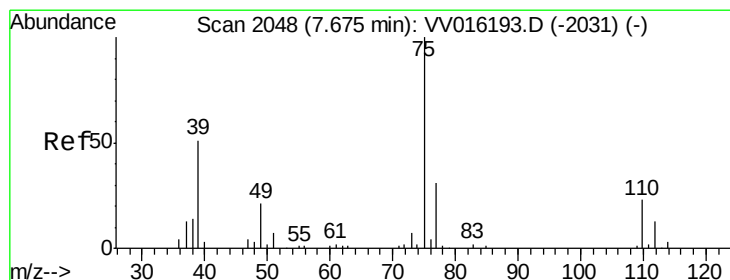
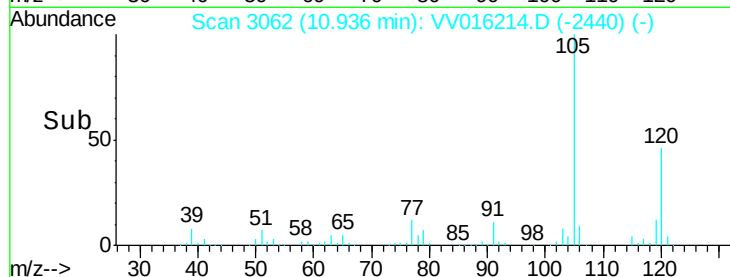
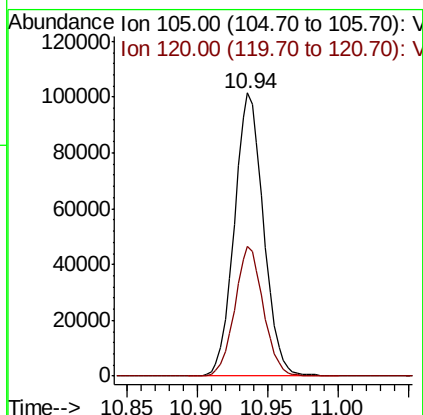
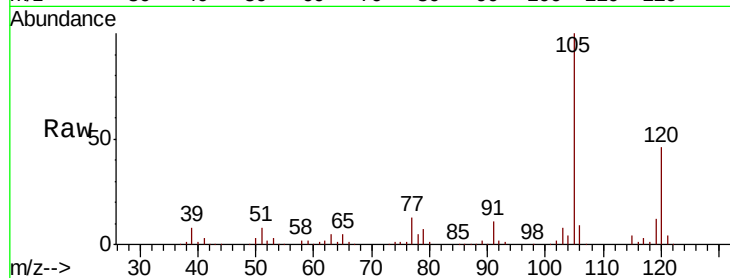




#44
 1,2,4-Trimethylbenzene
 Concen: 5.404 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

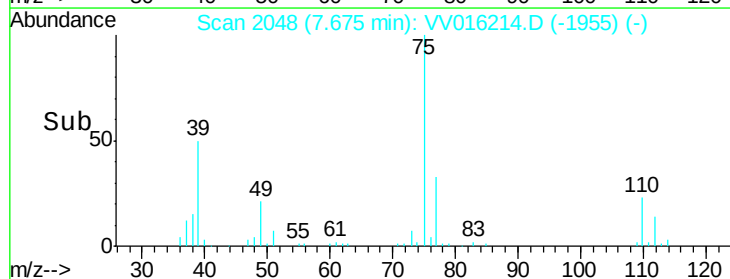
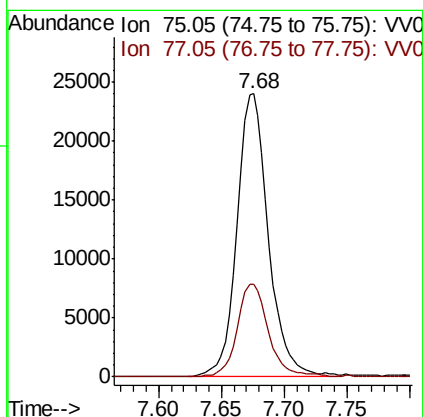
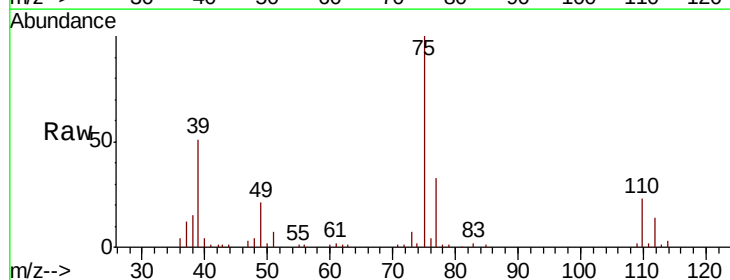
Instrument :
 MSVOA_V
 ClientSampleID :

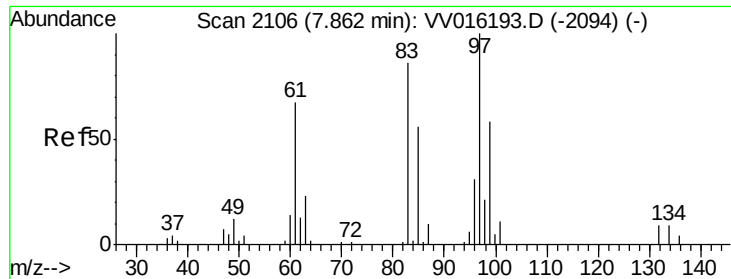
Tot Ion:105 Resp: 146970
 Ion Ratio Lower Upper
 105 100
 120 44.8 34.6 52.0



#46
 trans-1,3-Dichloropropene
 Concen: 5.460 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion: 75 Resp: 41916
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.7 40.3

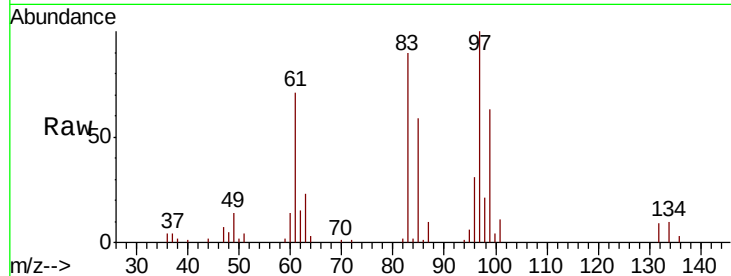




#47
 1,1,2-Trichloroethane
 Concen: 5.370 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	23042
Ion	Ratio	Lower	Upper
97	100		
99	62.9	40.8	75.8
83	90.1	60.0	111.4
85	58.8	39.3	73.1



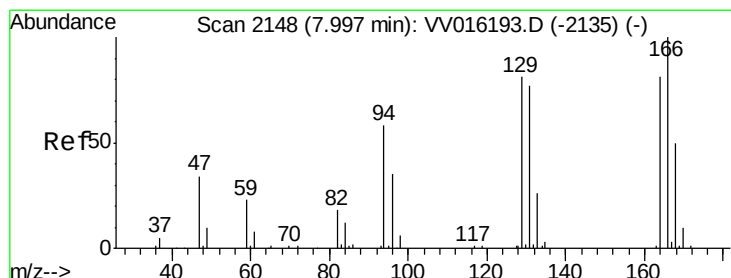
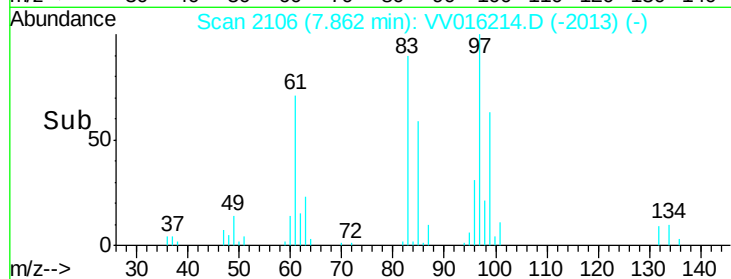
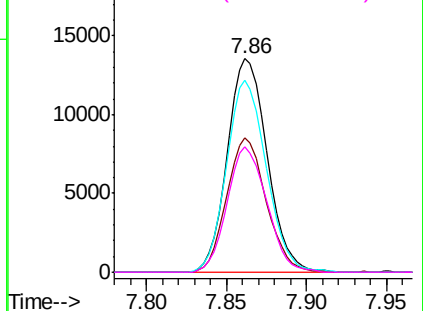
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

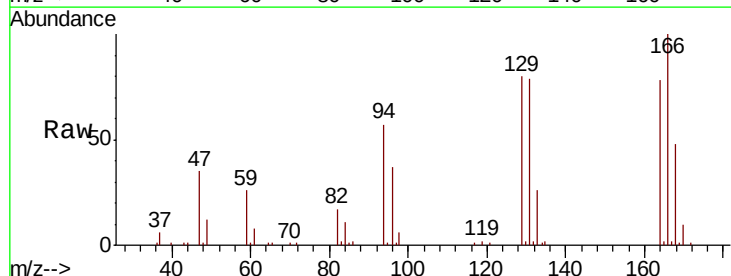
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49
 Tetrachloroethene
 Concen: 5.371 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion:	164	Resp:	26719
Ion	Ratio	Lower	Upper
164	100		
129	102.9	70.7	131.3
131	101.4	66.6	123.8
166	127.9	86.9	161.5



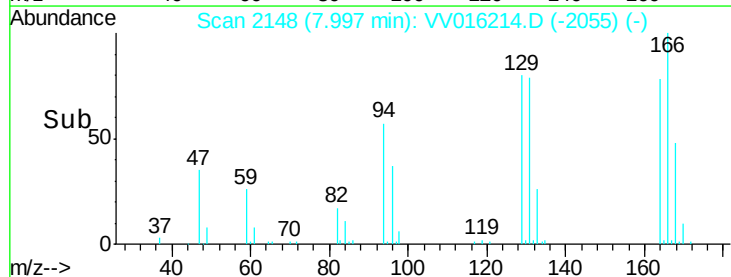
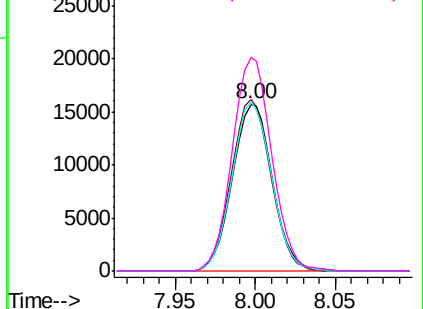
Abundance

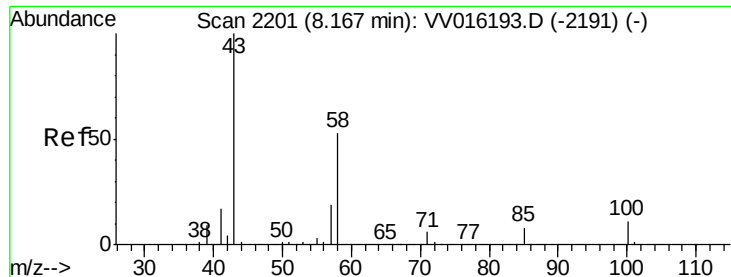
Ion 163.90 (163.60 to 164.60): V

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

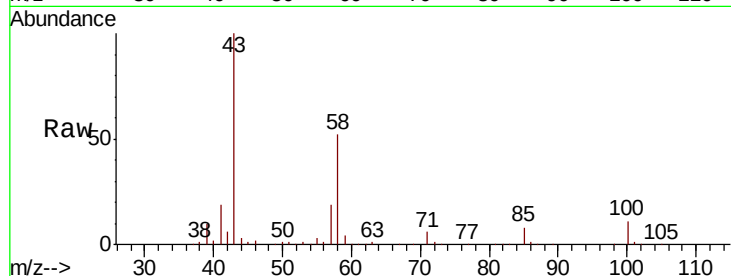




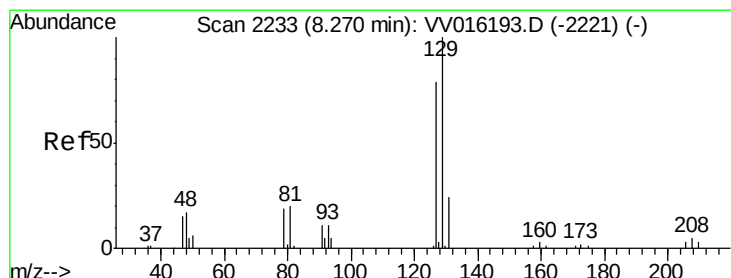
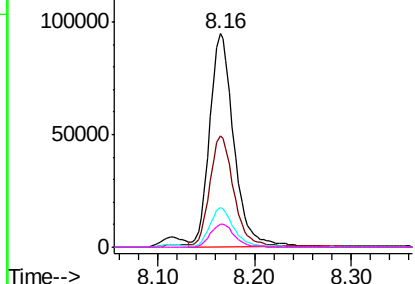
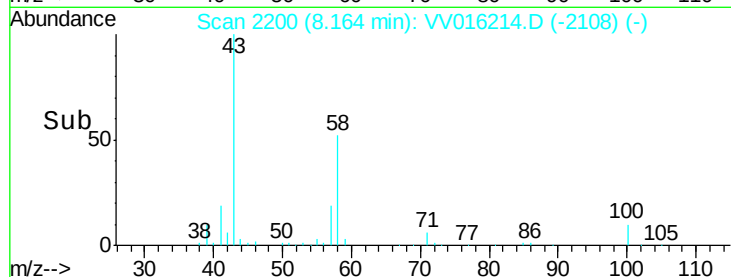
#50
2-Hexanone
Concen: 58.294 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 165003
Ion Ratio Lower Upper
43 100
58 52.2 41.4 62.0
57 18.3 15.0 22.4
100 11.3 9.0 13.4

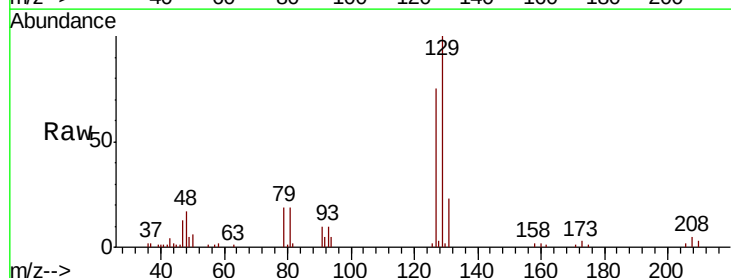


Abundance Ion 43.05 (42.75 to 43.75): VV016214.D (-2108) (-)
Ion 58.05 (57.75 to 58.75): VV016214.D (-2108) (-)
Ion 57.20 (56.90 to 57.90): VV016214.D (-2108) (-)
Ion 100.15 (99.85 to 100.85): VV016214.D (-2108) (-)

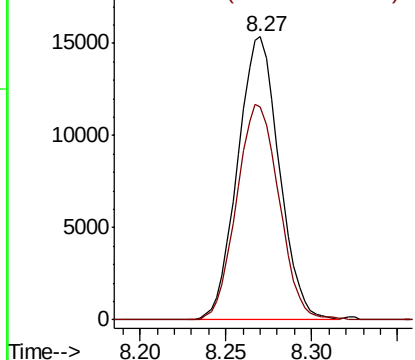
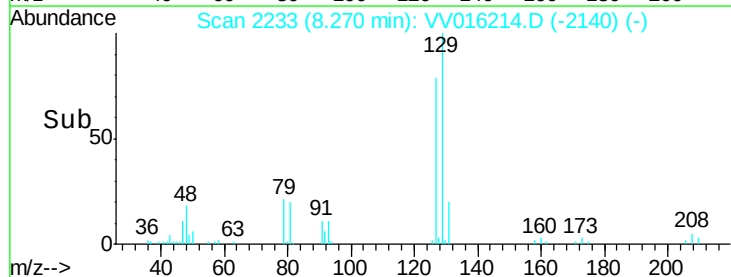


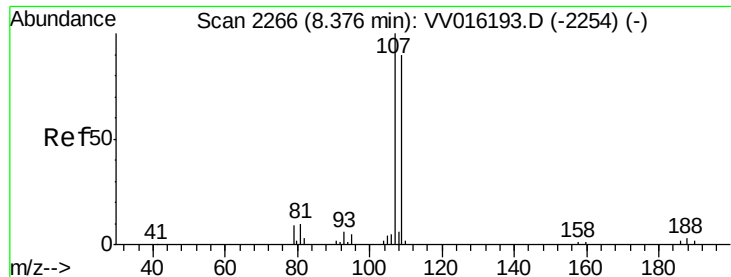
#51
Dibromochloromethane
Concen: 5.673 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion: 129 Resp: 25782
Ion Ratio Lower Upper
129 100
127 75.2 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV016214.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV016214.D (-2140) (-)





#52

1,2-Dibromoethane

Concen: 5.541 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :
MSVOA_V
ClientSampleId :

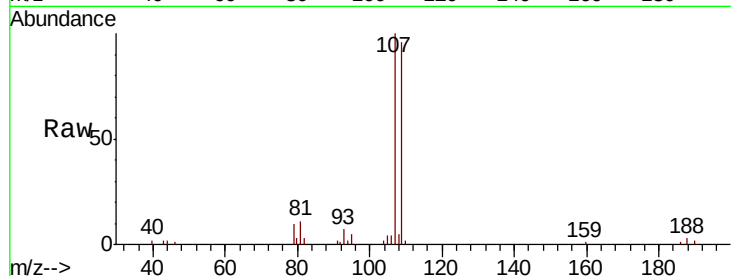
Tot Ion:107 Resp: 22338

Ion Ratio Lower Upper

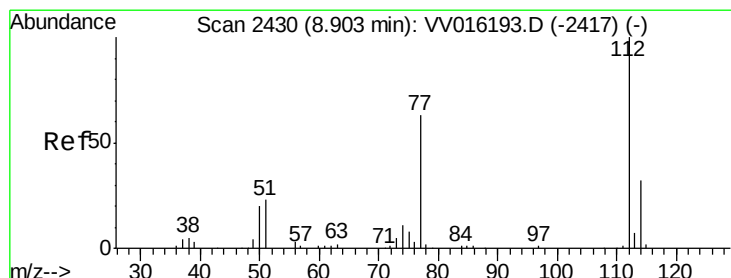
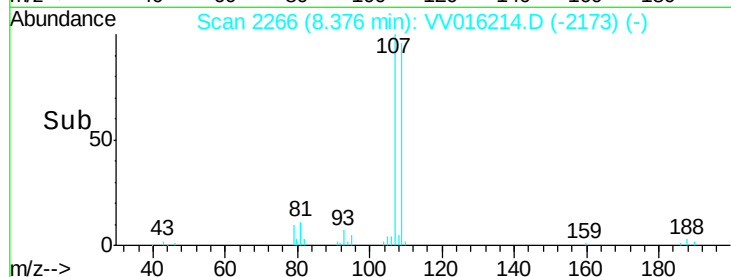
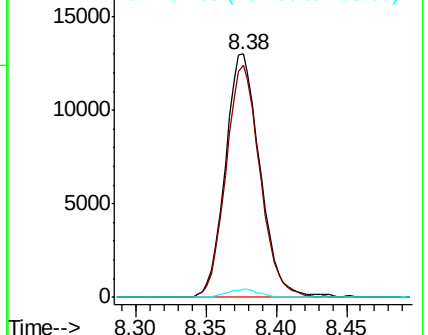
107 100

109 95.6 63.1 117.3

188 3.3 2.6 4.0



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



#53

Chlorobenzene

Concen: 5.396 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

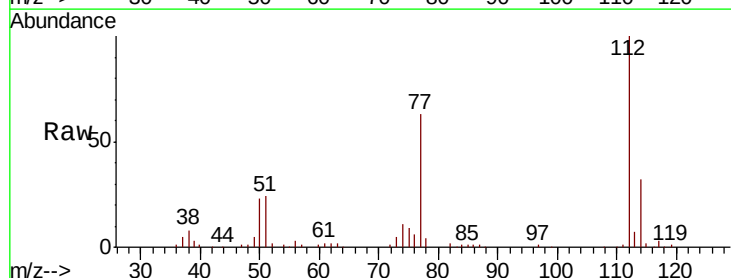
Tgt Ion:112 Resp: 96722

Ion Ratio Lower Upper

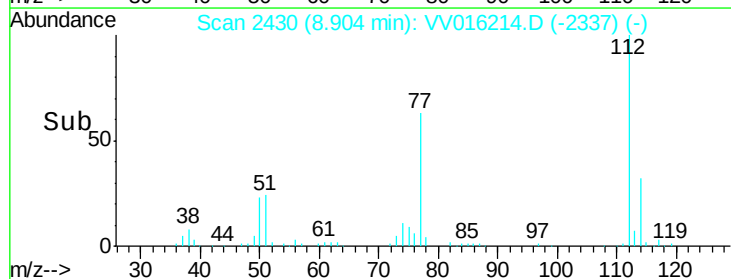
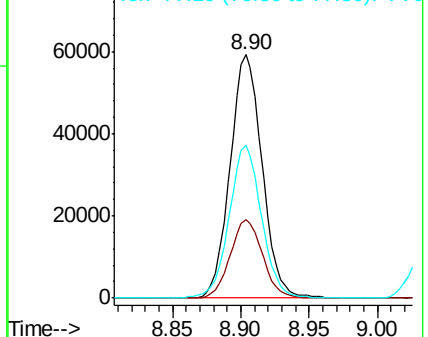
112 100

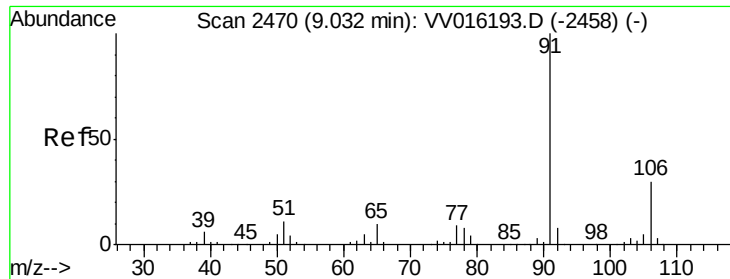
114 32.1 22.3 41.3

77 62.5 50.7 76.1



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): V





#54

Ethylbenzene

Concen: 5.418 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

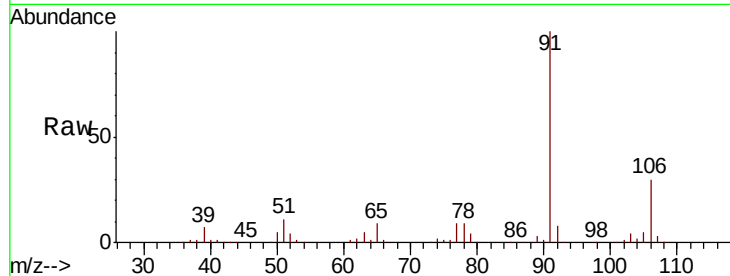
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 175175

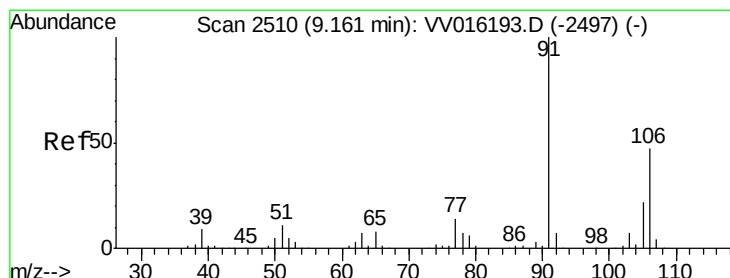
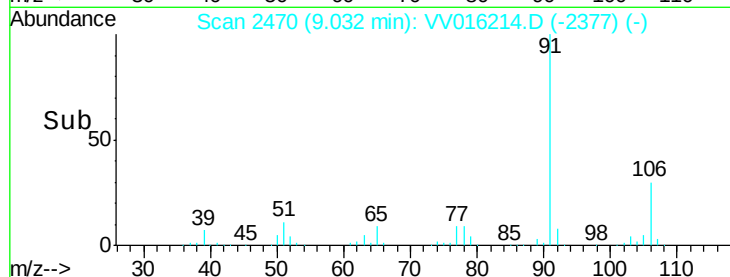
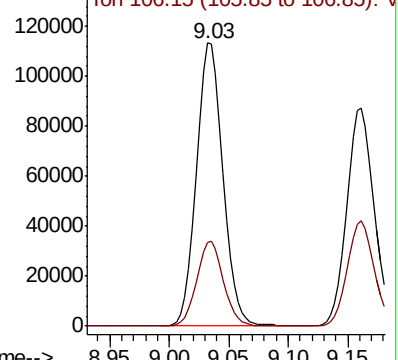
Ion Ratio Lower Upper

91 100

106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016214.D (-2377) (-)



#55

m,p-xylene

Concen: 5.521 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016214.D

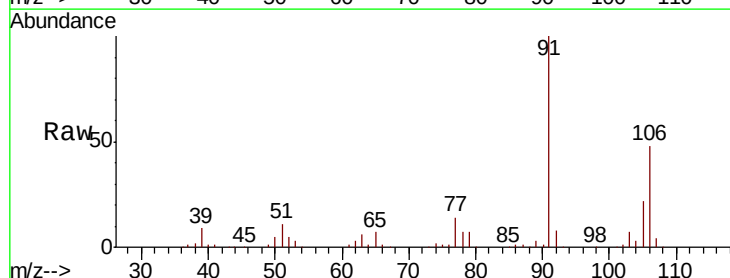
Acq: 27 May 2020 00:48

Tgt Ion: 106 Resp: 66932

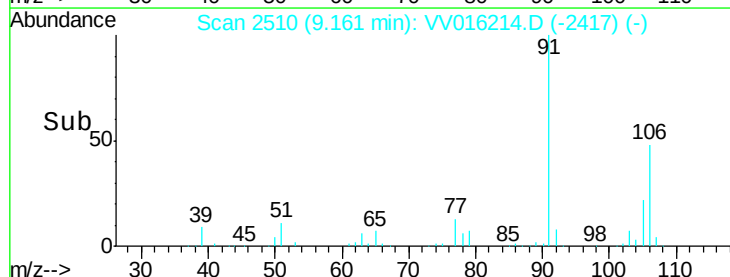
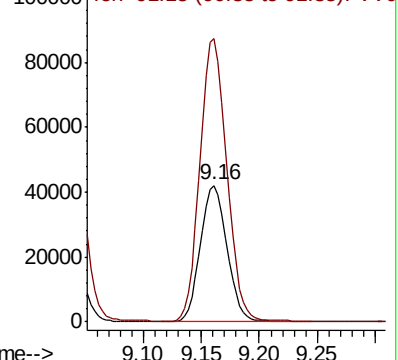
Ion Ratio Lower Upper

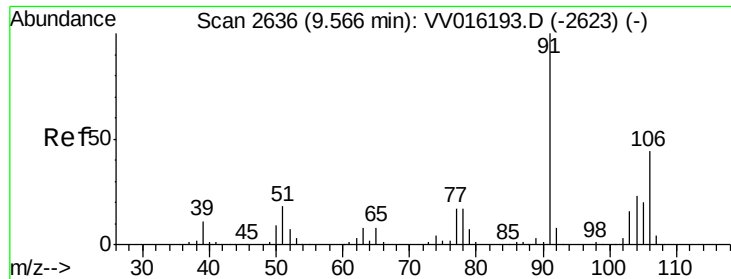
106 100

91 207.0 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016214.D (-2417) (-)

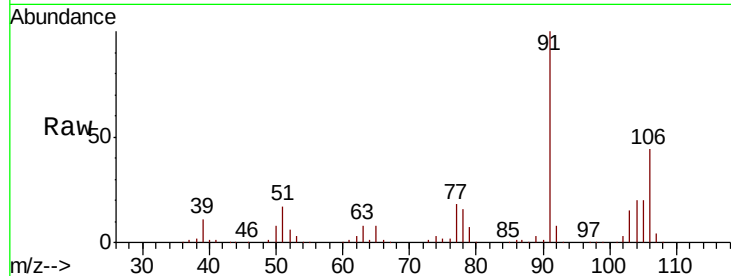




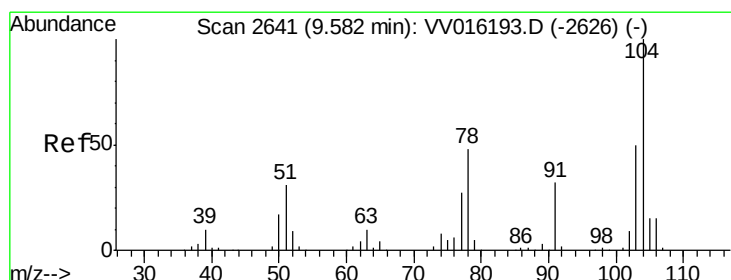
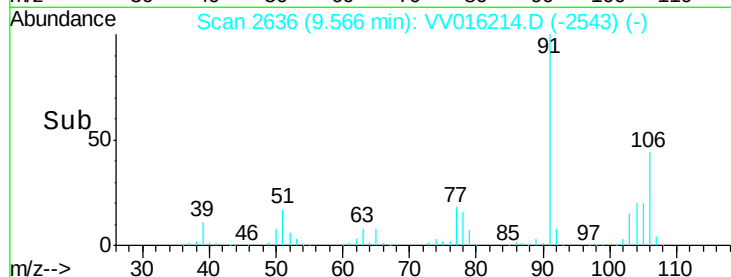
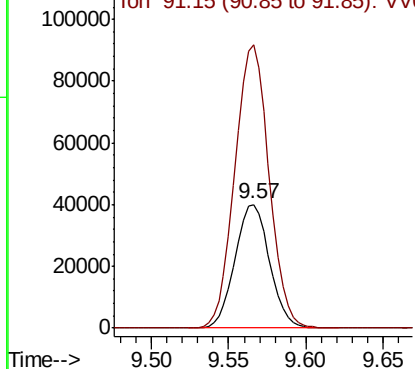
#56
o-xylene
Concen: 5.392 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 62295
Ion Ratio Lower Upper
106 100
91 228.6 158.8 294.8

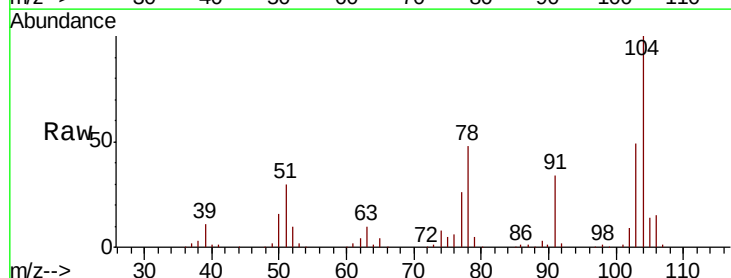


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

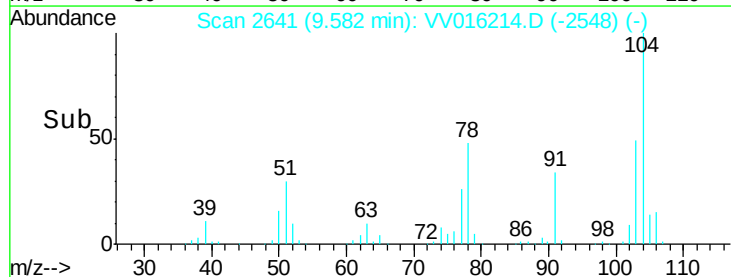
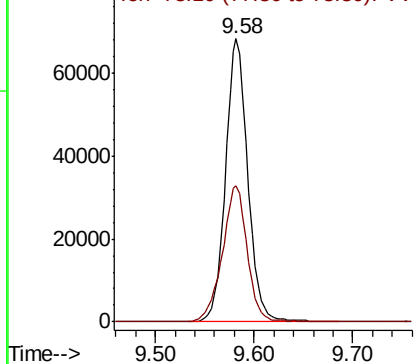


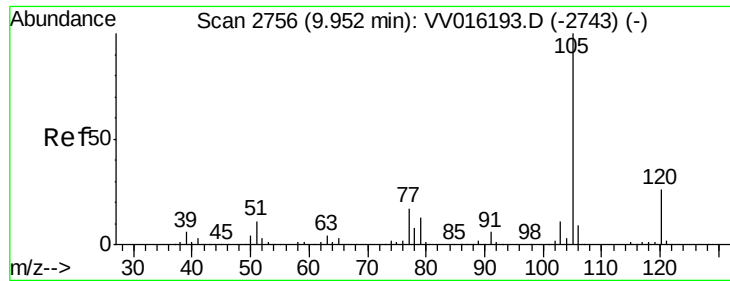
#57
Styrene
Concen: 5.635 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016214.D
Acq: 27 May 2020 00:48

Tgt Ion:104 Resp: 108360
Ion Ratio Lower Upper
104 100
78 48.3 33.2 61.7



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





#58

Isopropylbenzene

Concen: 5.491 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :

MSVOA_V

ClientSampleId :

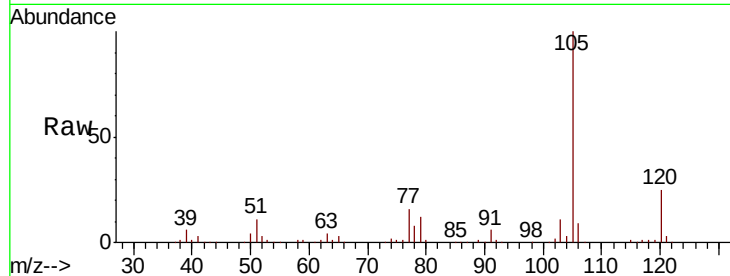
Tot Ion:105 Resp: 173790

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

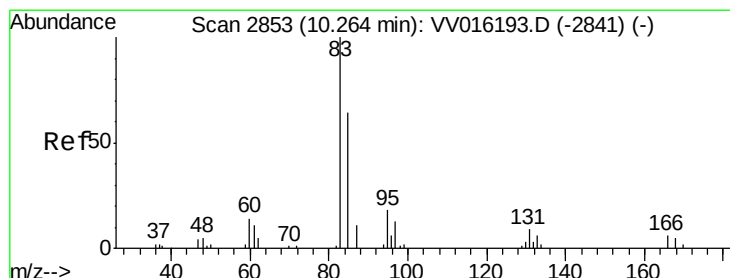
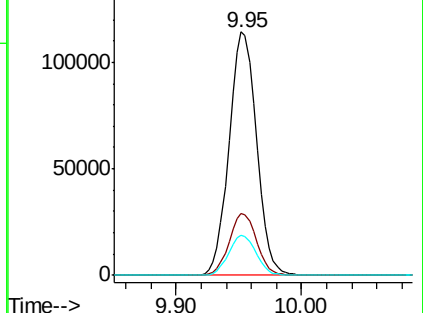
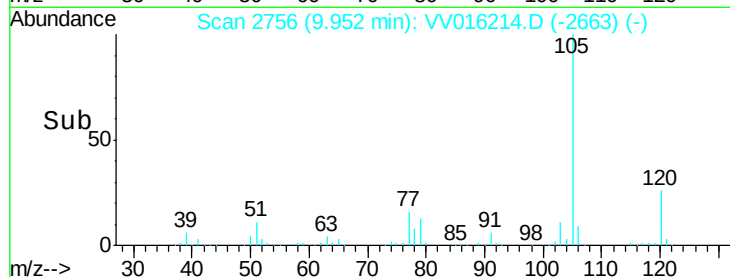
77 16.5 13.9 20.9



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.407 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

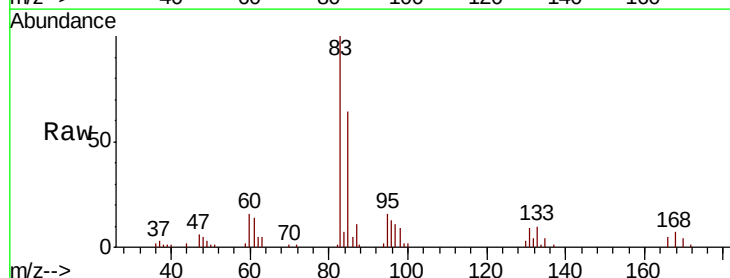
Tgt Ion: 83 Resp: 28843

Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.8

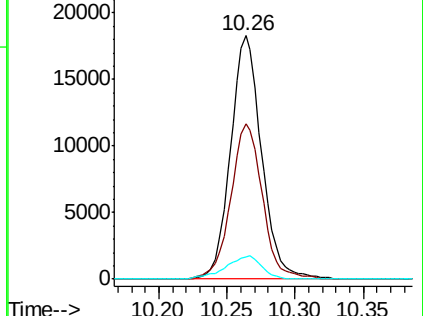
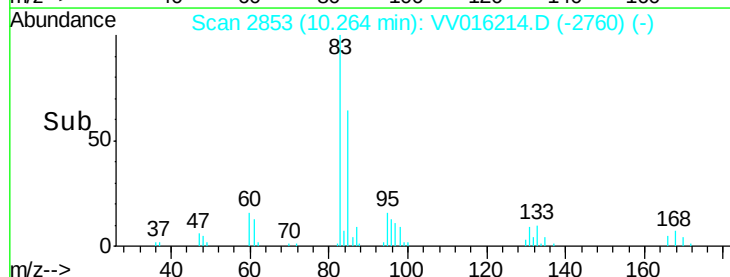
131 9.4 7.9 11.9

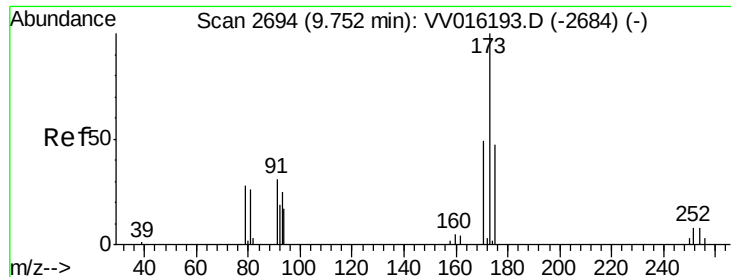


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 6.257 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

Instrument :
MSVOA_V
ClientSampleId :

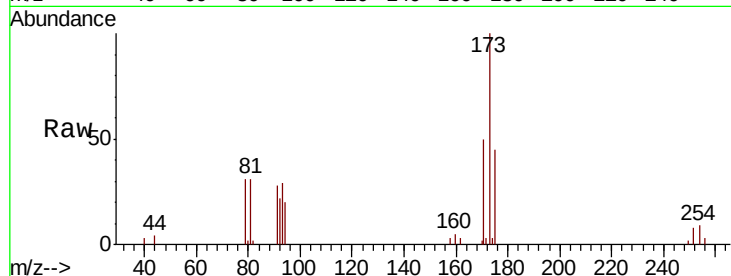
Tot Ion:173 Resp: 12187

Ion Ratio Lower Upper

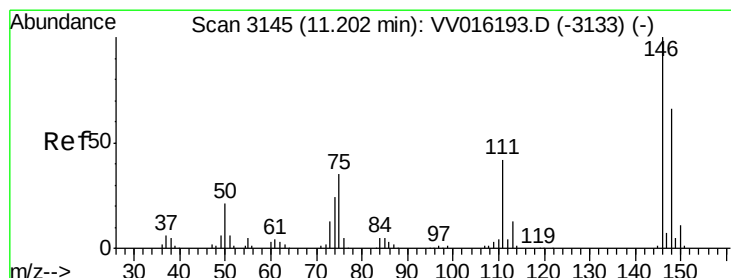
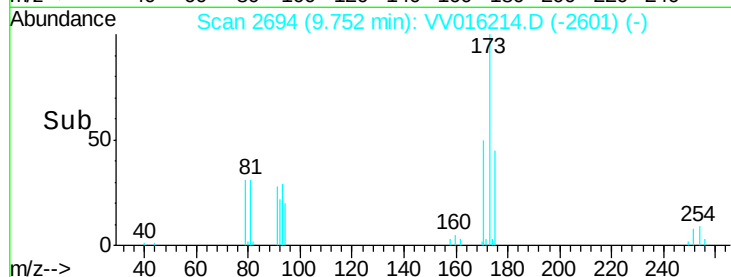
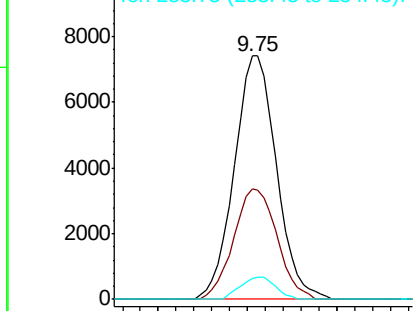
173 100

175 46.7 38.6 58.0

254 7.6 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.512 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016214.D

Acq: 27 May 2020 00:48

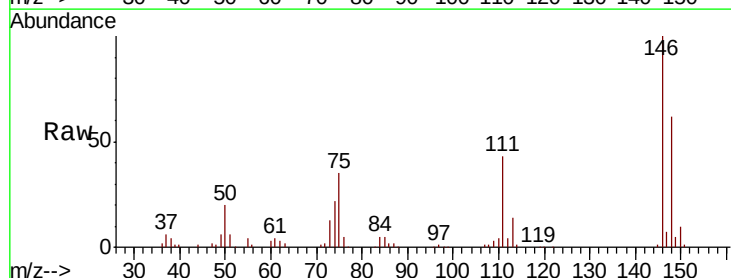
Tgt Ion:146 Resp: 76185

Ion Ratio Lower Upper

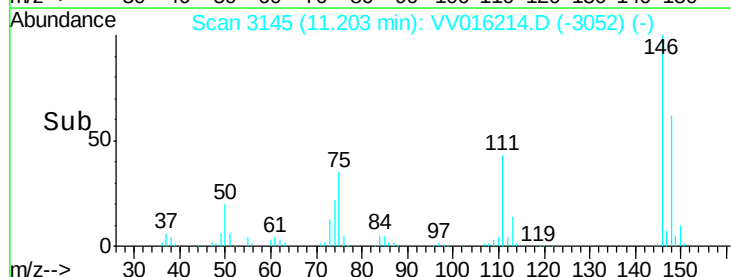
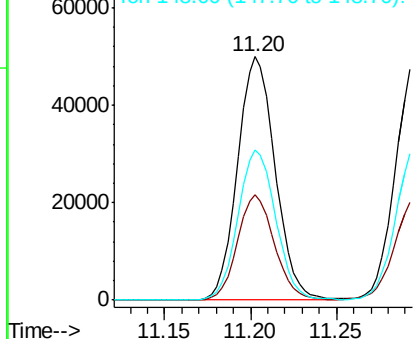
146 100

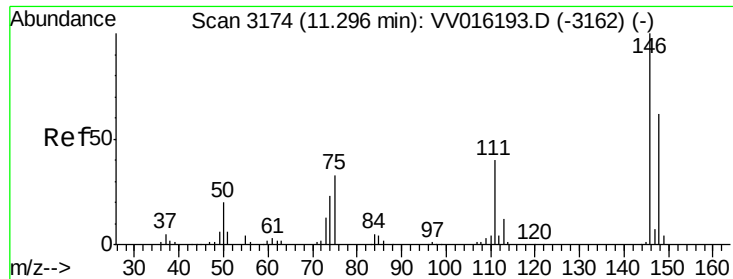
111 43.2 29.7 55.1

148 61.8 45.9 85.3



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

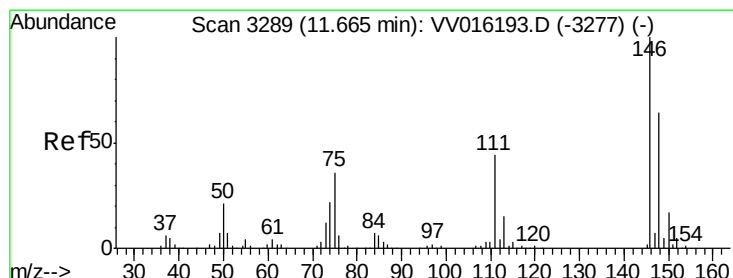
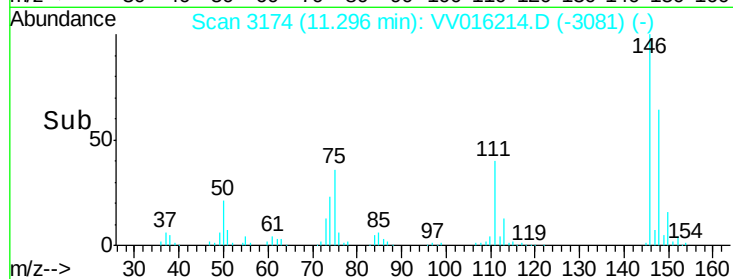
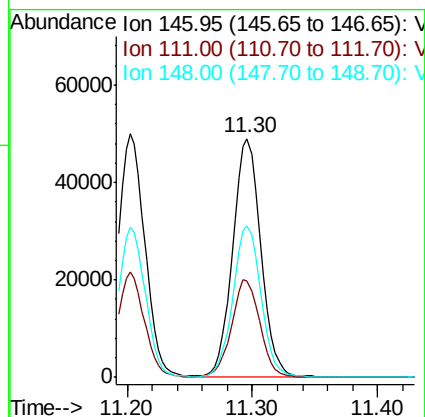
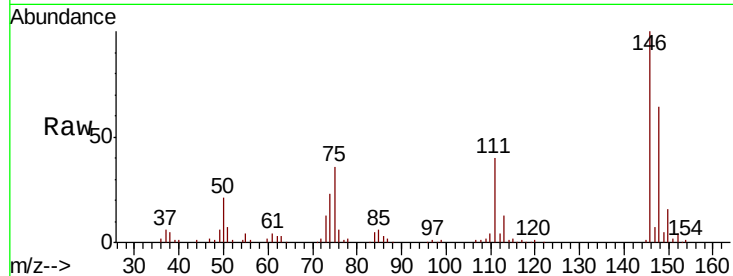




#64
 1,4-Dichlorobenzene
 Concen: 5.448 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

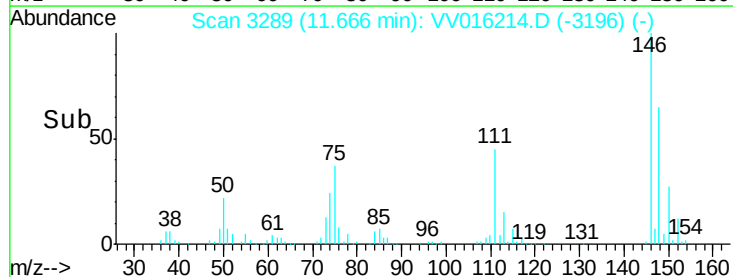
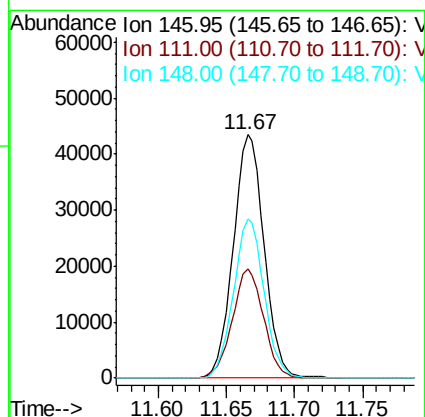
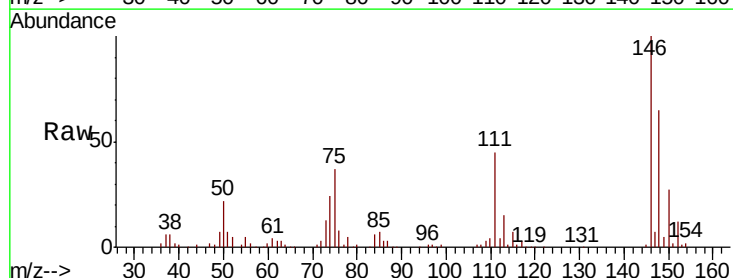
Instrument :
 MSVOA_V
 ClientSampled :

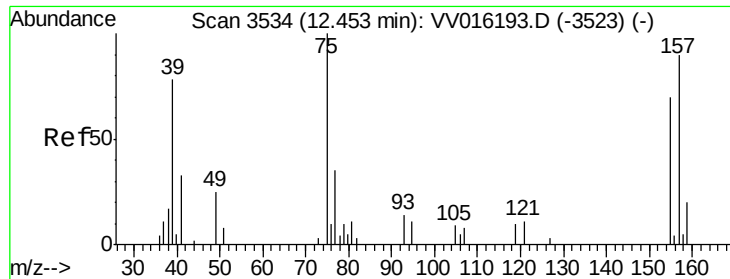
Tot Ion:146 Resp: 76520
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.3 52.7
 148 63.7 43.3 80.3



#66
 1,2-Dichlorobenzene
 Concen: 5.456 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion:146 Resp: 68165
 Ion Ratio Lower Upper
 146 100
 111 45.1 35.7 53.5
 148 65.3 51.3 76.9

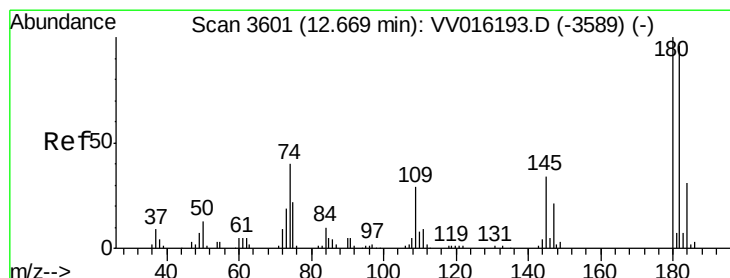
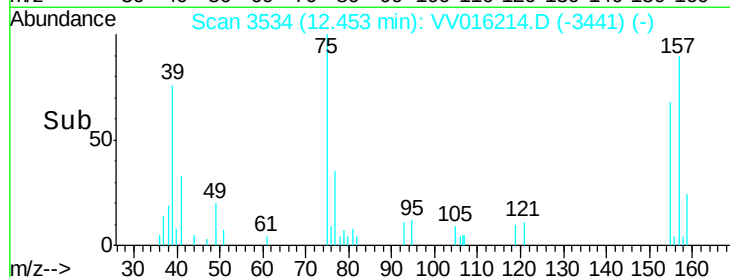
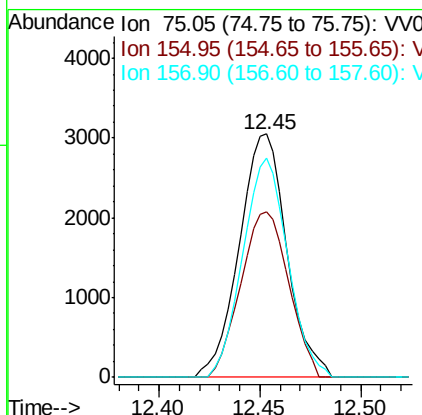
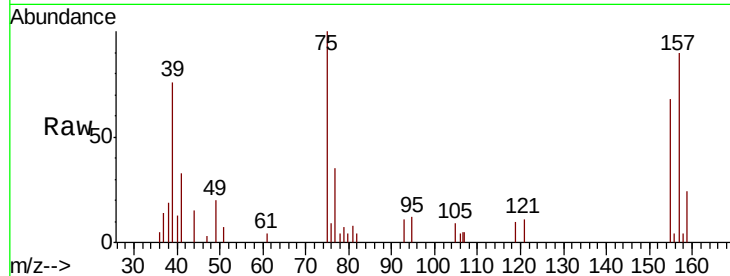




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.970 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

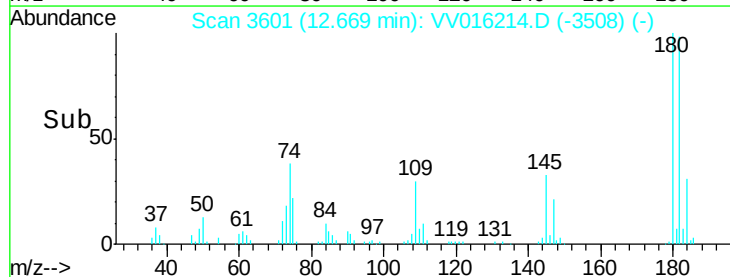
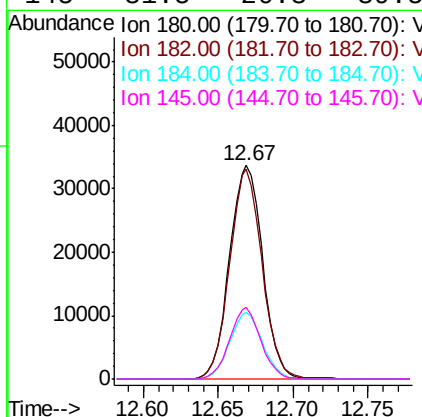
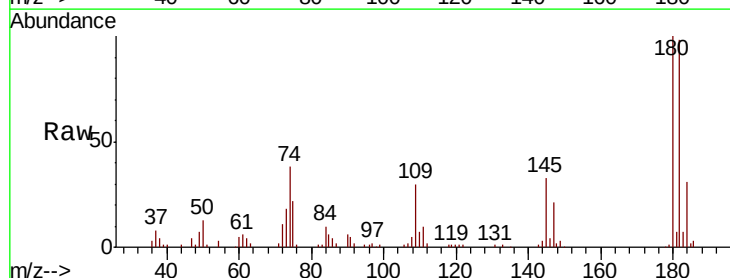
Instrument :
 MSVOA_V
 ClientSampleId :

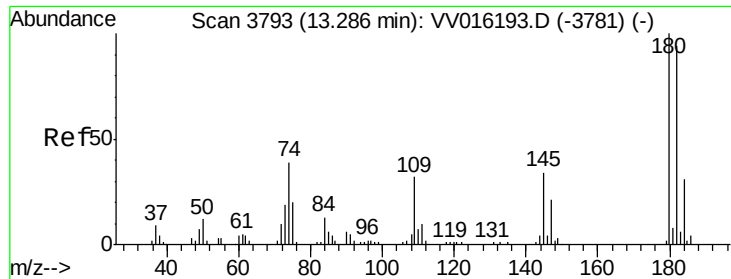
Tot Ion: 75 Resp: 5038
 Ion Ratio Lower Upper
 75 100
 155 67.8 56.2 84.4
 157 89.9 71.9 107.9



#68
 1,3,5-Trichlorobenzene
 Concen: 5.302 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion: 180 Resp: 51858
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.1 115.7
 184 30.8 25.0 37.4
 145 31.5 26.3 39.5

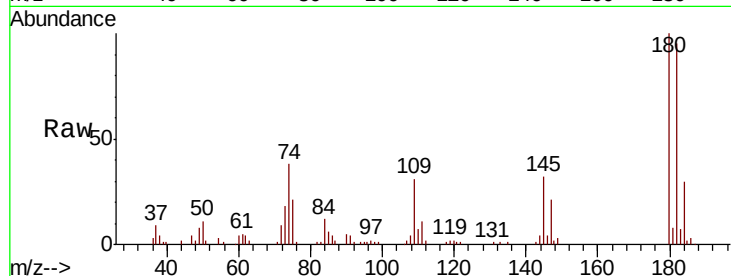




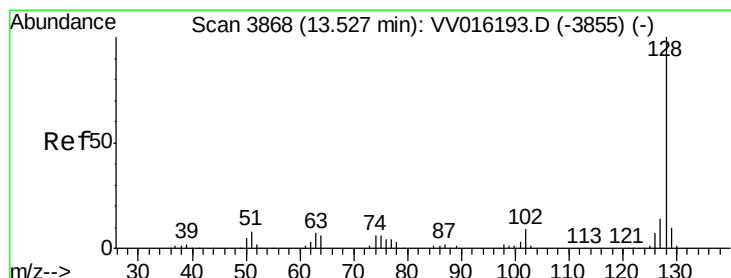
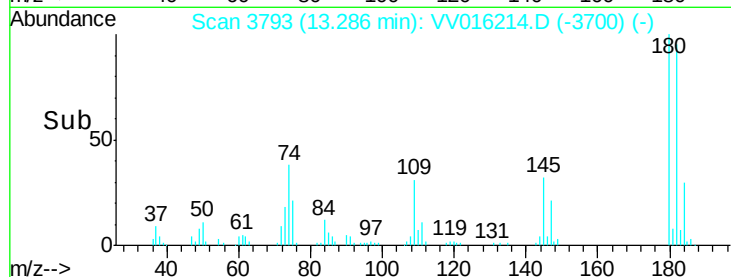
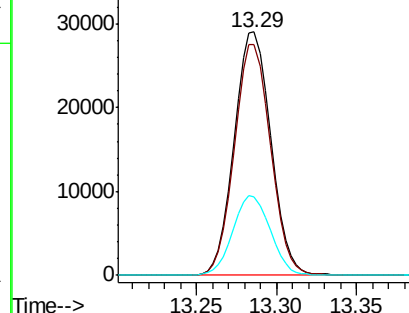
#69
 1,2,4-trichlorobenzene
 Concen: 5.280 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.0	112.4
145	33.4	27.1	40.7

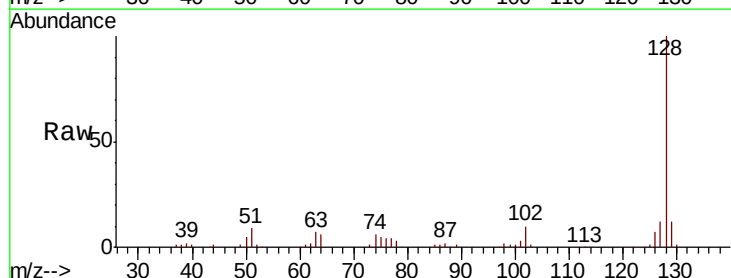


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

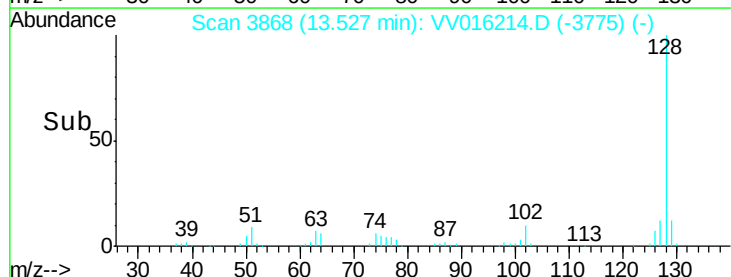
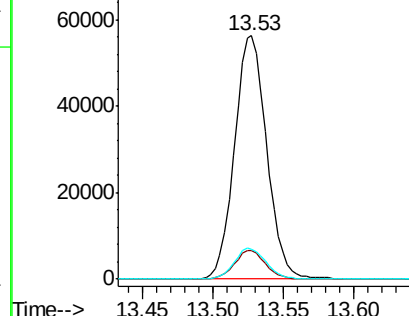


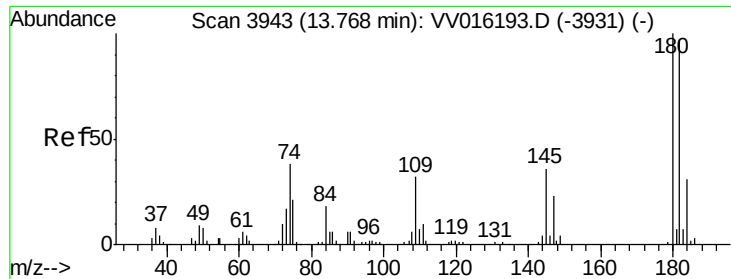
#70
 Naphthalene
 Concen: 4.791 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	12.6	10.6	15.8



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

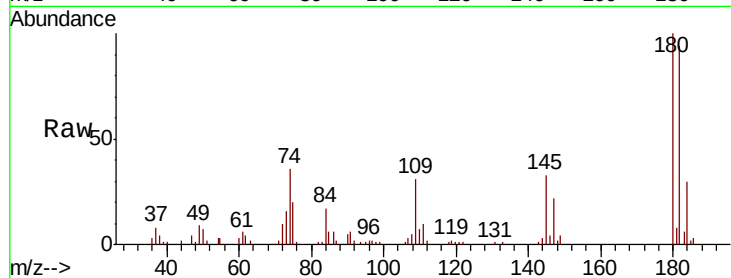




#71
 1,2,3-Trichlorobenzene
 Concen: 5.289 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016214.D
 Acq: 27 May 2020 00:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.1	115.7
145	35.1	28.6	42.8



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

