

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016352.D
 Acq On : 30 May 2020 08:56
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 00:55:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 00:52:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	79103	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	74210	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	31279	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	18956	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.58	69	17358	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.12	63	43097	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	3.96	46	39834	31.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	63.22%
24) Chloroform-d	4.38	84	47401	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	25538	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.07	84	89601	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.10	67	29014	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	85777	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
45) trans-1,3-Dichloropropene-	7.65	79	8552	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
48) 2-Hexanone-d5	8.12	63	40303	41.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	19305	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	23086	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	38987	5.599	ug/L	99
3) Chloromethane	1.25	50	37837	4.971	ug/L	100
5) Vinyl chloride	1.32	62	35474	5.121	ug/L	98
6) Bromomethane	1.53	94	15424	3.957	ug/L	96
8) Chloroethane	1.60	64	20319	5.250	ug/L	99
9) Trichlorofluoromethane	1.76	101	50564	5.645	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	25502	5.224	ug/L	97
12) 1,1-Dichloroethene	2.13	96	24326	5.214	ug/L	95
13) Acetone	2.22	43	14515	18.607	ug/L	84
14) Carbon disulfide	2.31	76	70891	4.901	ug/L	100
15) Methyl Acetate	2.46	43	6803	3.413	ug/L	94
16) Methylene chloride	2.52	84	28133	5.259	ug/L	100
17) Methyl tert-butyl Ether	2.80	73	57269	4.985	ug/L	97
18) trans-1,2-Dichloroethene	2.77	96	26420	5.175	ug/L	98
19) 1,1-Dichloroethane	3.21	63	49438	5.097	ug/L	99
21) 2-Butanone	4.04	43	37009	26.670	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	30371	5.029	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016352.D
 Acq On : 30 May 2020 08:56
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 00:55:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 00:52:43 2020
 Response via : Initial Calibration

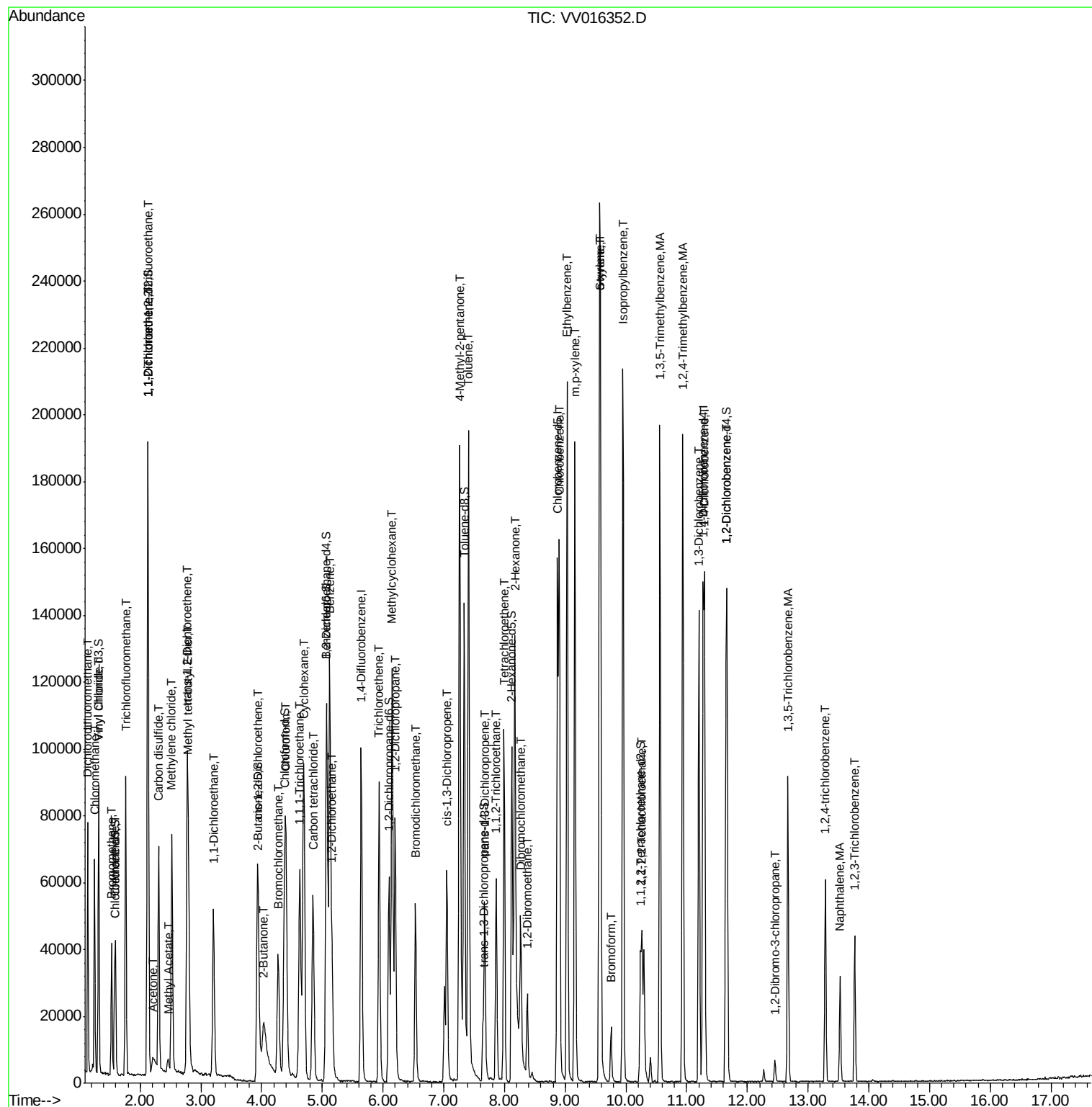
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	11527	5.029	ug/L	85
25) Chloroform	4.40	83	58639	5.713	ug/L	99
27) 1,2-Dichloroethane	5.16	62	34530	5.145	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	48101	5.461	ug/L	99
30) Cyclohexane	4.69	56	48952	5.186	ug/L	97
31) Carbon tetrachloride	4.85	117	39979	5.357	ug/L	98
33) Benzene	5.12	78	118103	5.530	ug/L	100
34) Trichloroethene	5.94	95	31026	5.577	ug/L	98
35) Methylcyclohexane	6.15	83	46992	5.008	ug/L	98
37) 1,2-Dichloropropane	6.20	63	28803	5.499	ug/L	98
38) Bromodichloromethane	6.53	83	34226	5.311	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	35686	4.811	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	154694	47.472	ug/L	99
42) Toluene	7.41	91	127657	5.481	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	99054	4.672	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	98773	4.523	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	28906	4.690	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	18247	5.297	ug/L	97
49) Tetrachloroethene	7.99	164	20787	5.204	ug/L	98
50) 2-Hexanone	8.17	43	95903	42.201	ug/L	99
51) Dibromochloromethane	8.27	129	18353	5.030	ug/L	99
52) 1,2-Dibromoethane	8.38	107	16824	5.198	ug/L	100
53) Chlorobenzene	8.90	112	76101	5.288	ug/L	98
54) Ethylbenzene	9.03	91	136286	5.250	ug/L	100
55) m,p-xylene	9.16	106	51044	5.244	ug/L	98
56) o-xylene	9.56	106	47021	5.069	ug/L	99
57) Styrene	9.58	104	82994	5.376	ug/L	99
58) Isopropylbenzene	9.95	105	127728	5.027	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	20362	4.755	ug/L	100
62) Bromoform	9.76	173	7231	5.376	ug/L #	96
63) 1,3-Dichlorobenzene	11.20	146	51288	5.373	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	51540	5.313	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	43149	5.001	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.46	75	1857	3.186	ug/L	97
68) 1,3,5-Trichlorobenzene	12.67	180	24540	3.633	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	15884	2.678	ug/L	98
70) Naphthalene	13.53	128	23739	1.832	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	11109	2.077	ug/L	98

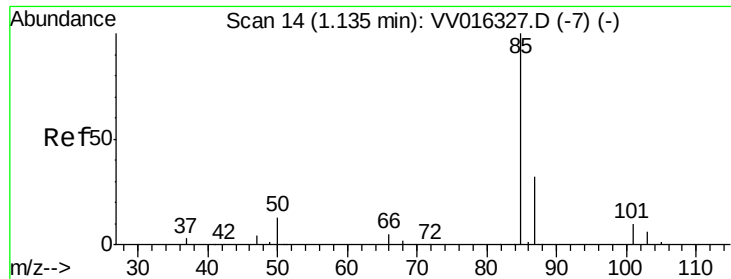
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052920\
Data File : VV016352.D
Acq On : 30 May 2020 08:56
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: Jun 01 00:55:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 00:52:43 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.599 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

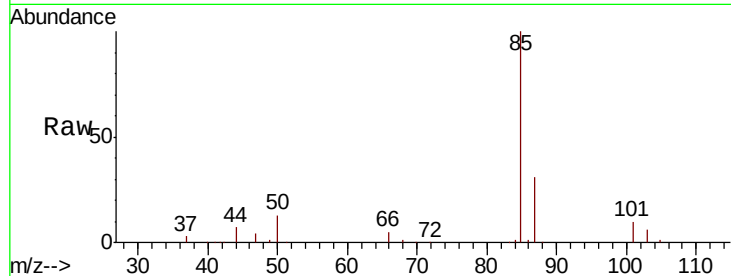
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 38987

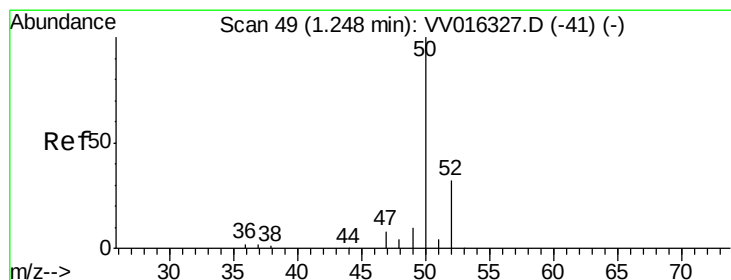
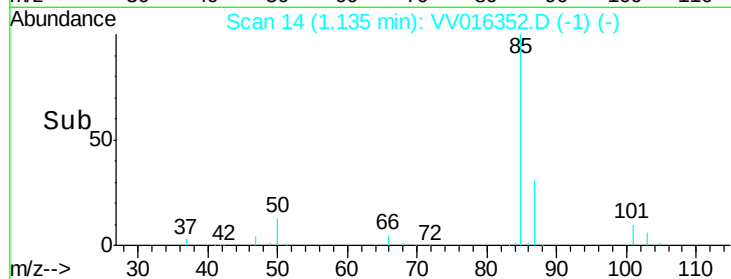
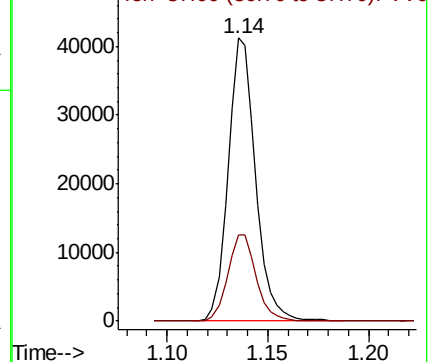
Ion Ratio Lower Upper

85 100

87 31.5 25.5 38.3



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



#3

Chloromethane

Concen: 4.971 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016352.D

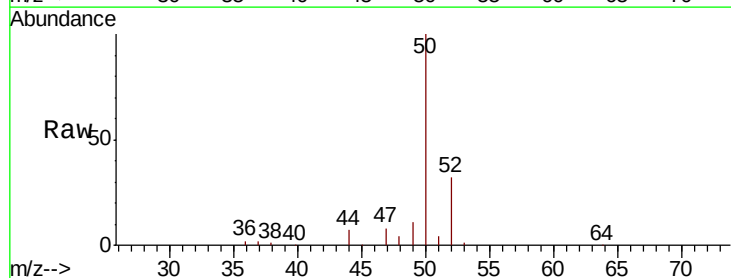
Acq: 30 May 2020 08:56

Tgt Ion: 50 Resp: 37837

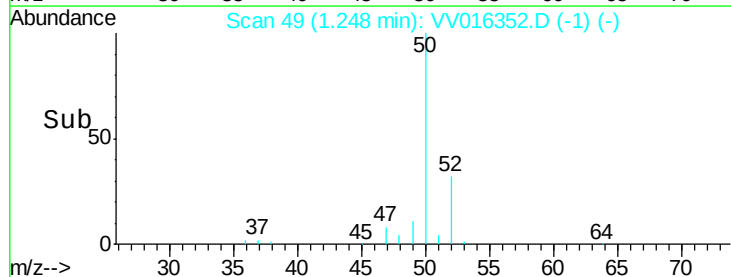
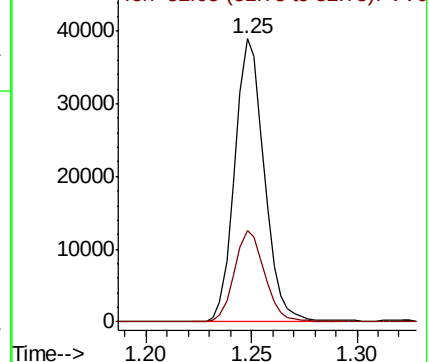
Ion Ratio Lower Upper

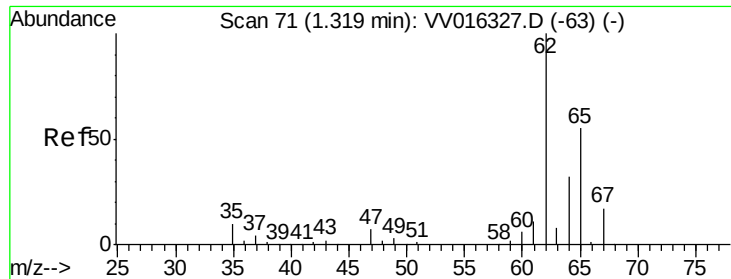
50 100

52 32.1 22.5 41.9



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





#5

Vinyl chloride

Concen: 5.121 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :

MSVOA_V

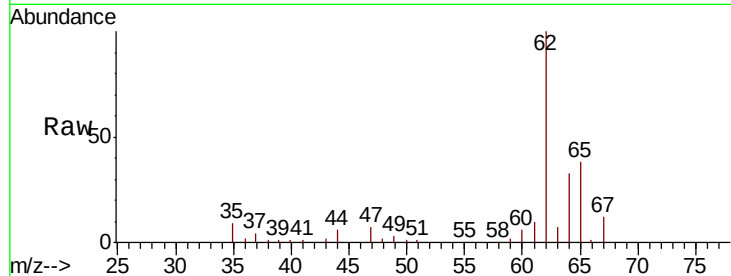
ClientSampleId :

Tot Ion: 62 Resp: 35474

Ion Ratio Lower Upper

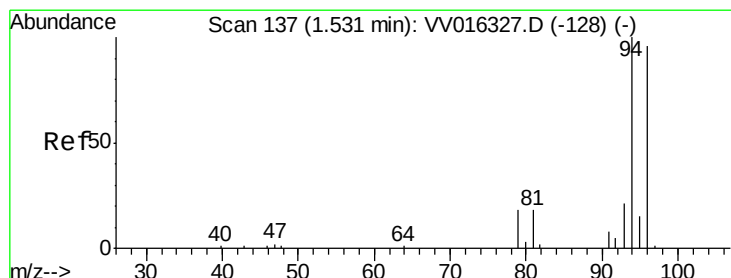
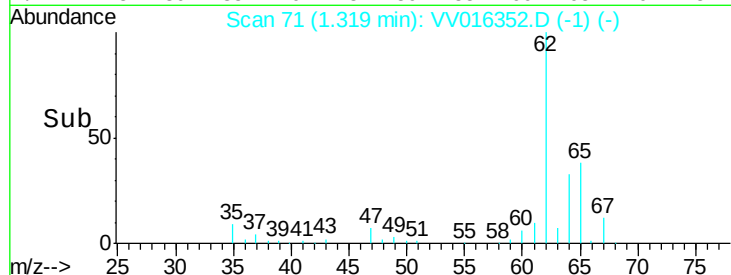
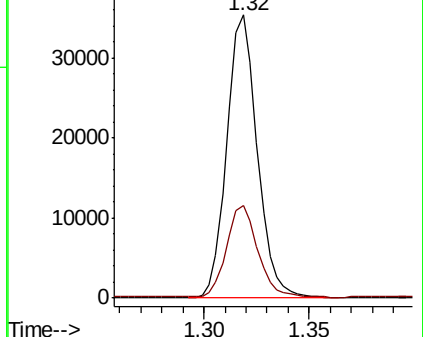
62 100

64 32.9 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.957 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016352.D

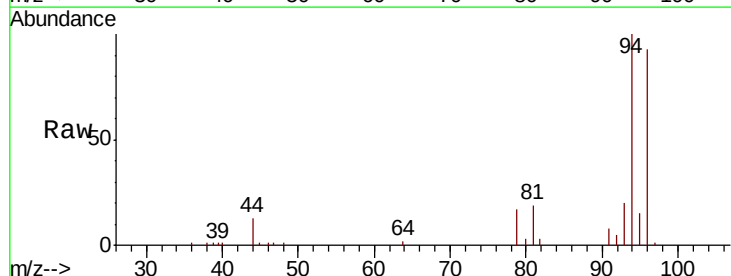
Acq: 30 May 2020 08:56

Tgt Ion: 94 Resp: 15424

Ion Ratio Lower Upper

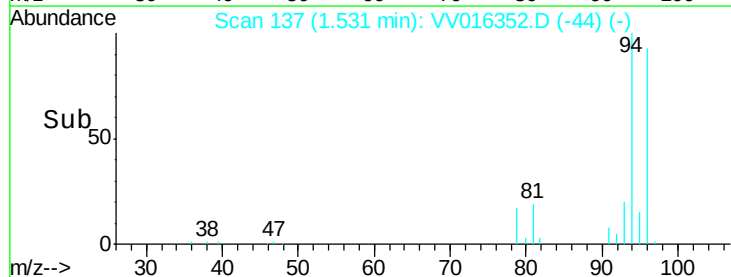
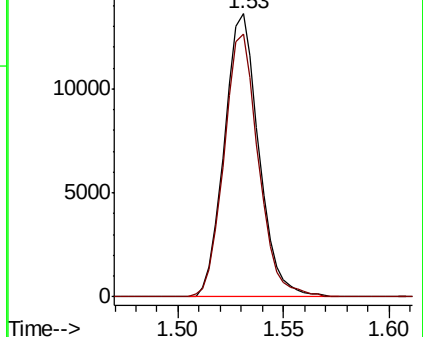
94 100

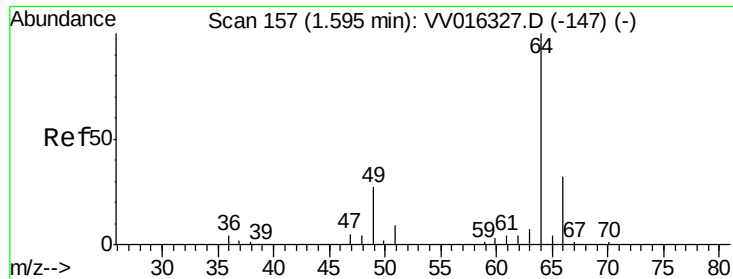
96 93.0 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

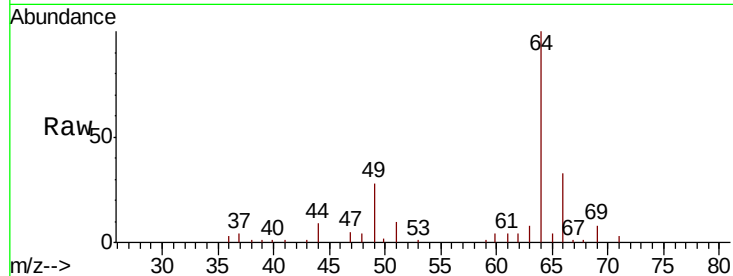




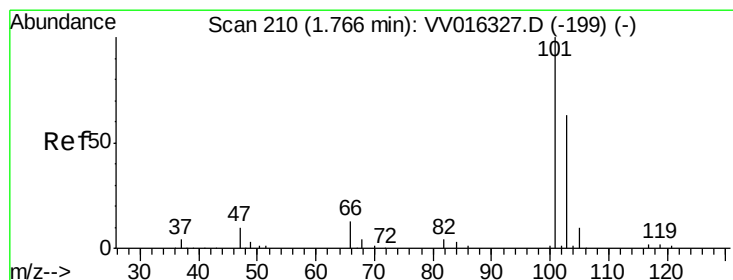
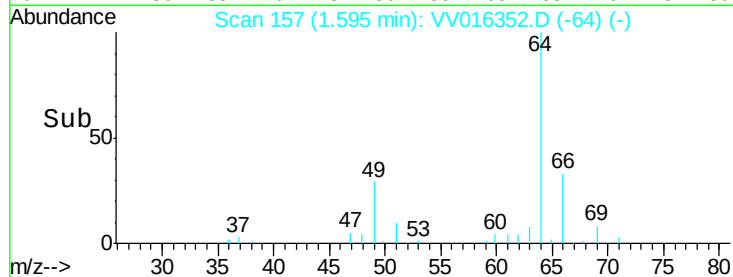
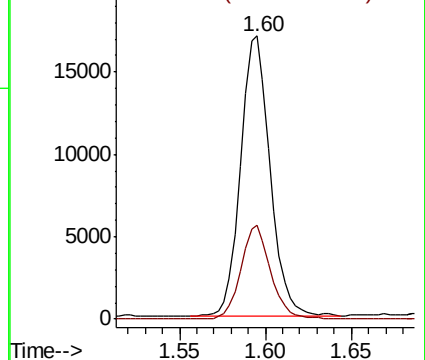
#8
Chloroethane
Concen: 5.250 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 20319
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5

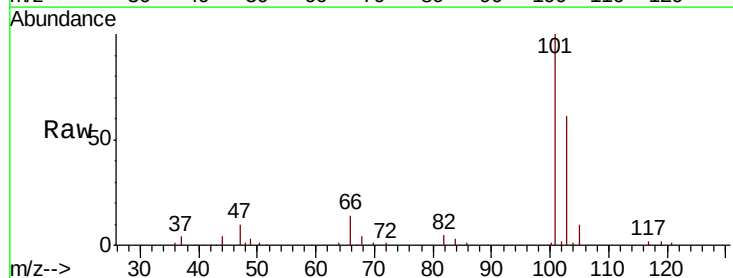


Abundance Ion 64.10 (63.80 to 64.80): VV016352.D (-64) (-)
Ion 66.05 (65.75 to 66.75): VV016352.D (-64) (-)

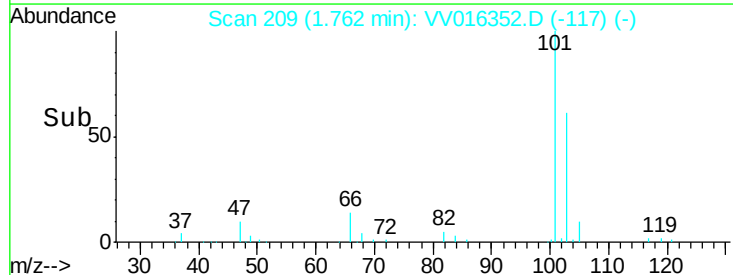
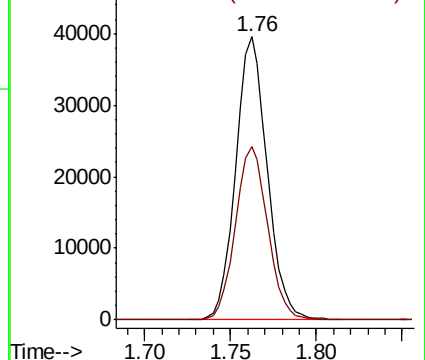


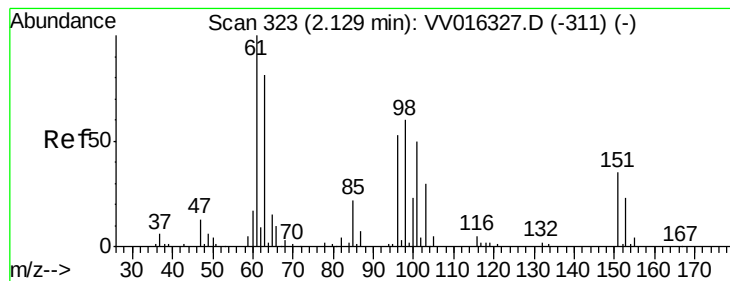
#9
Trichlorofluoromethane
Concen: 5.645 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Tgt Ion:101 Resp: 50564
Ion Ratio Lower Upper
101 100
103 62.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV016352.D (-117) (-)
Ion 103.00 (102.70 to 103.70): VV016352.D (-117) (-)





#10

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

Concen: 5.224 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :

MSVOA_V

ClientSampleId :

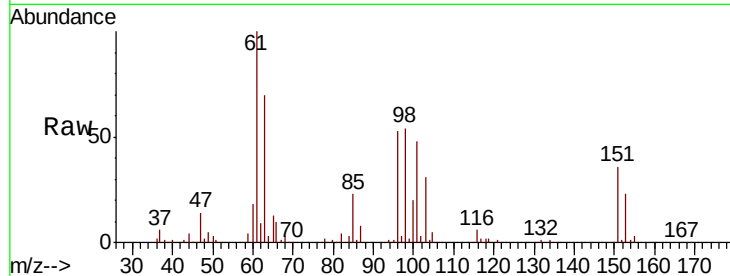
Tot Ion:101 Resp: 25502

Ion Ratio Lower Upper

101 100

85 46.4 35.0 52.6

151 72.4 56.3 84.5



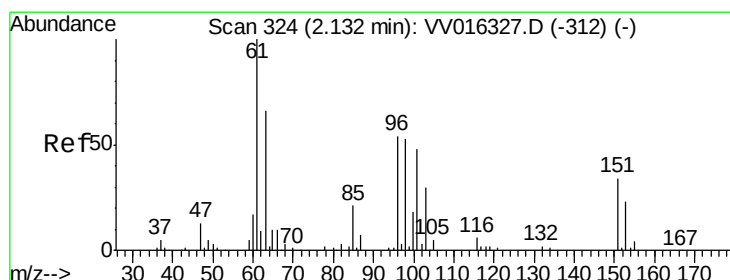
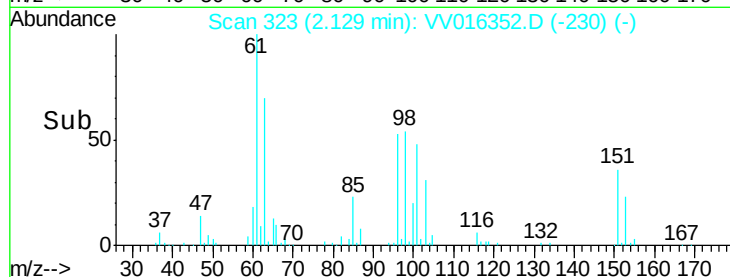
Abundance Ion 101.00 (100.70 to 101.70): VV016352.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016352.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016352.D (-230) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 5.214 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

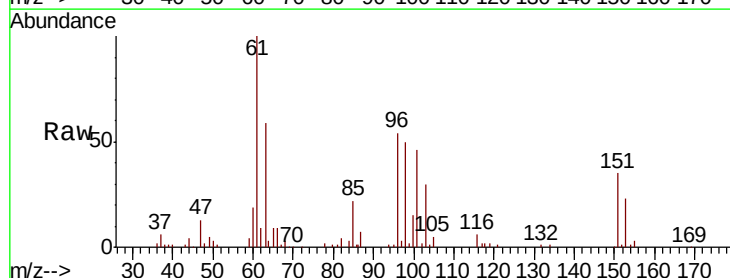
Tgt Ion: 96 Resp: 24326

Ion Ratio Lower Upper

96 100

61 185.0 124.9 231.9

63 108.7 80.4 149.2



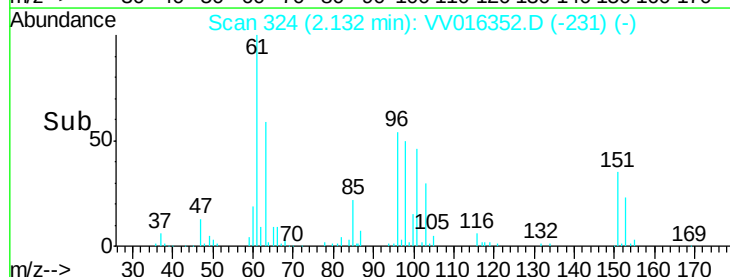
Abundance Ion 96.00 (95.70 to 96.70): VV016352.D (-231) (-)

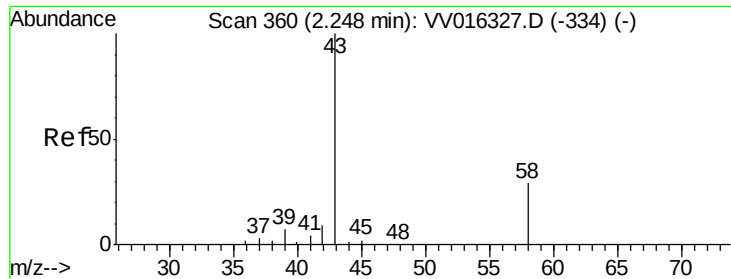
Ion 61.05 (60.75 to 61.75): VV016352.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV016352.D (-231) (-)

2.13

Time-->





#13

Acetone

Concen: 18.607 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.03 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :

MSVOA_V

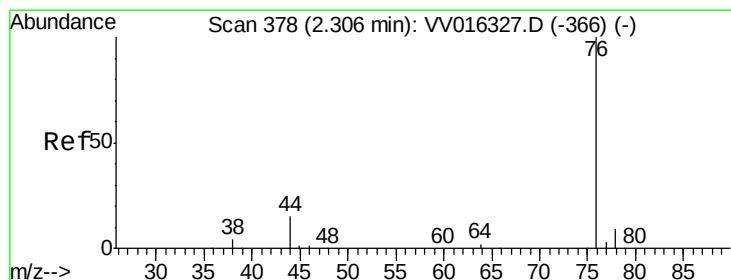
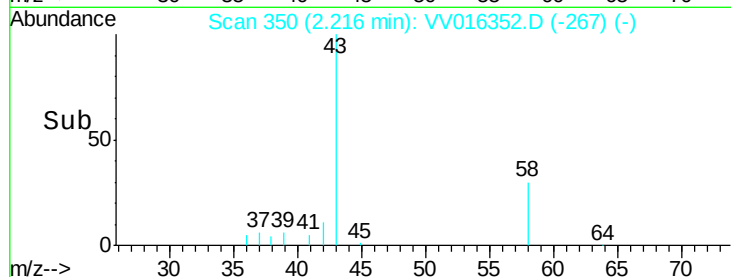
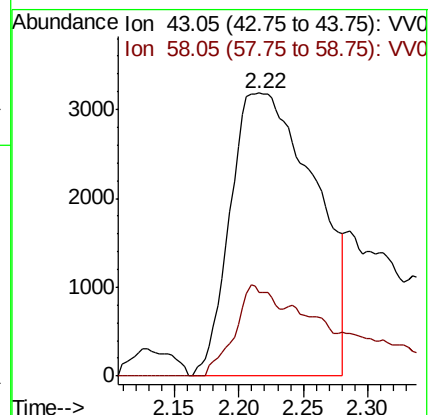
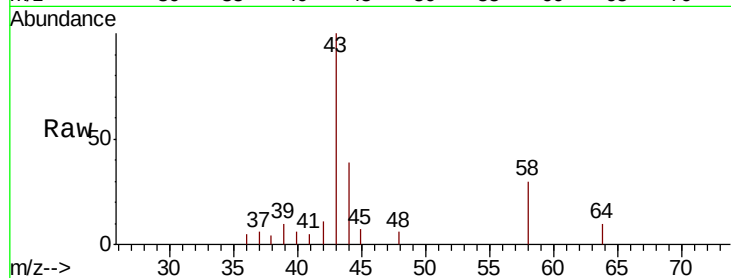
ClientSampleId :

Tot Ion: 43 Resp: 14515

Ion Ratio Lower Upper

43 100

58 16.2 0.0 48.8



#14

Carbon disulfide

Concen: 4.901 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016352.D

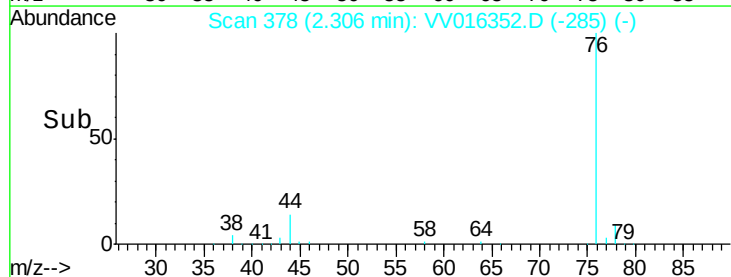
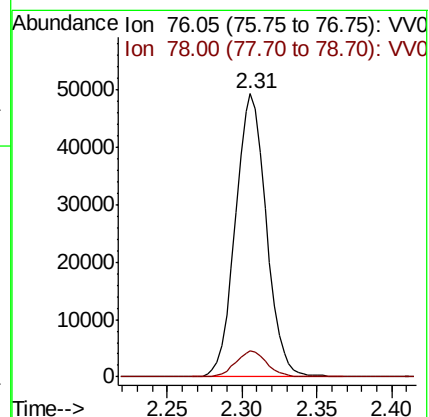
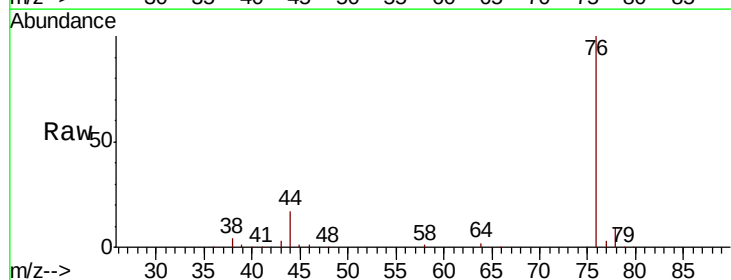
Acq: 30 May 2020 08:56

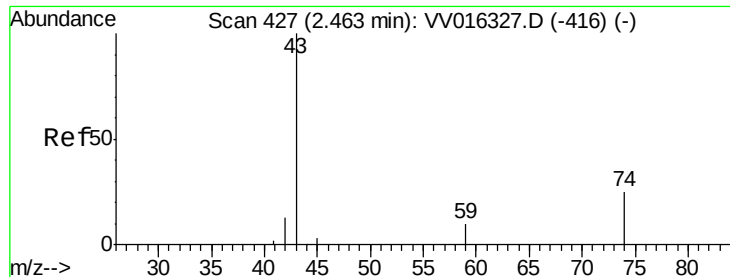
Tgt Ion: 76 Resp: 70891

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methvl Acetate

Concen: 3.413 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :

MSVOA_V

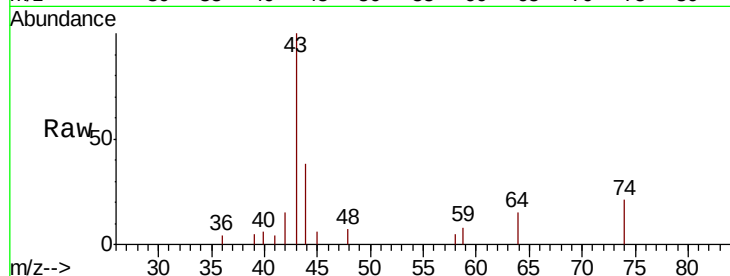
ClientSampleId :

Tot Ion: 43 Resp: 6803

Ion Ratio Lower Upper

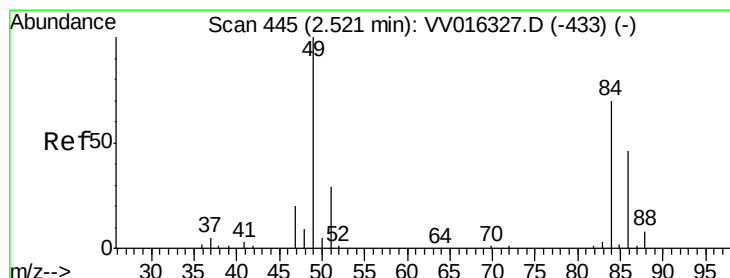
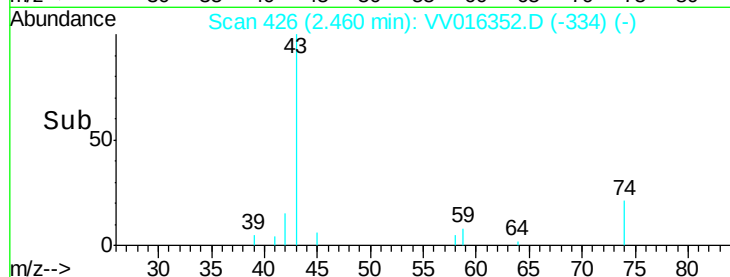
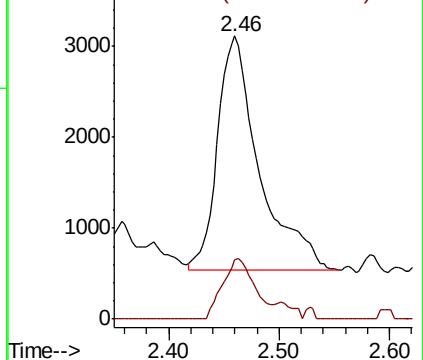
43 100

74 19.6 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.259 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

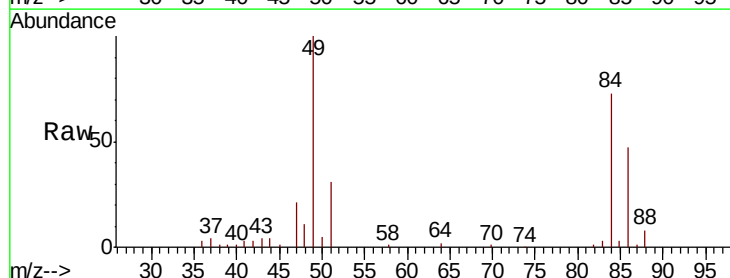
Tgt Ion: 84 Resp: 28133

Ion Ratio Lower Upper

84 100

86 64.7 44.9 83.5

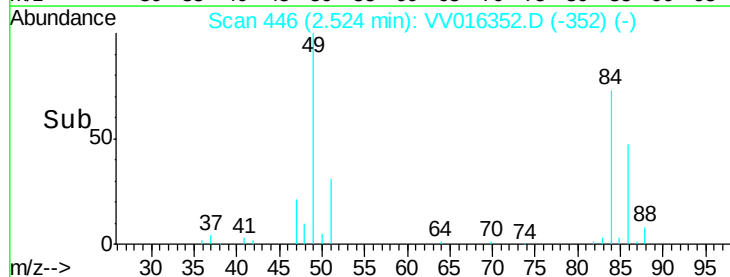
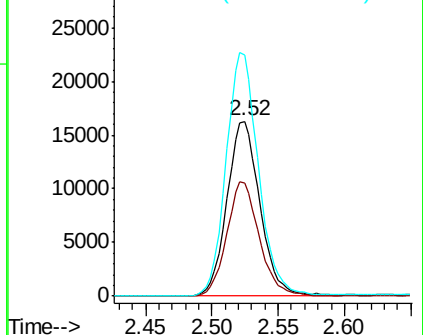
49 137.9 96.7 179.7

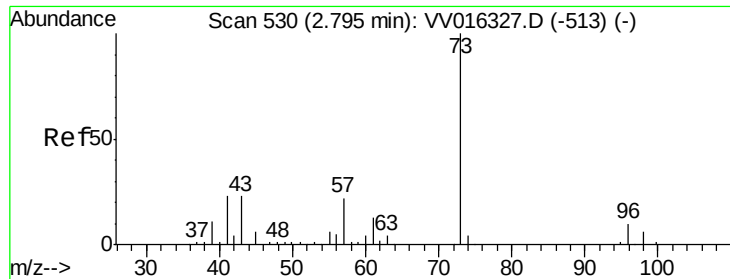


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

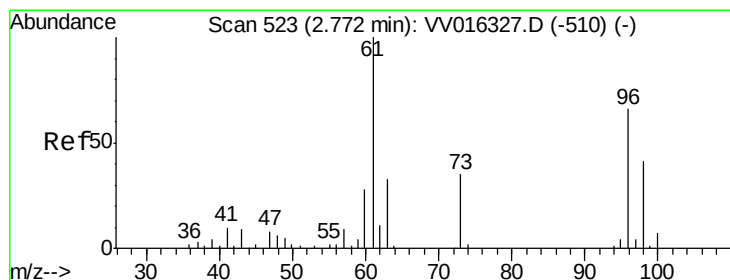
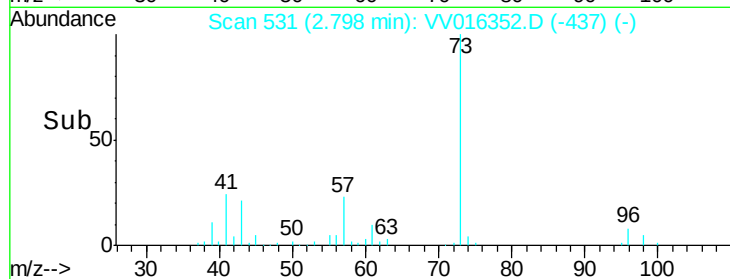
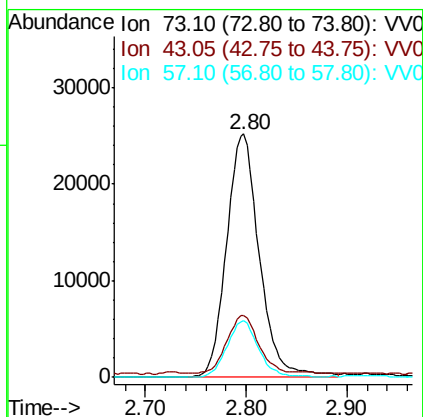
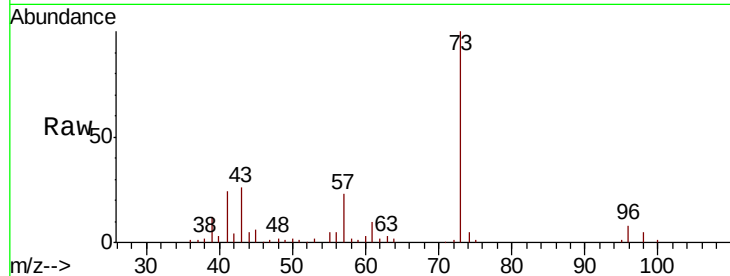




#17
Methyl tert-butyl Ether
Concen: 4.985 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

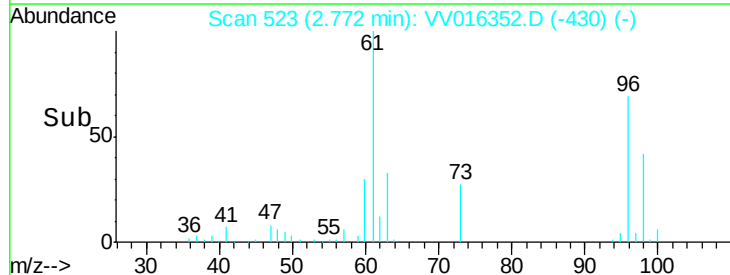
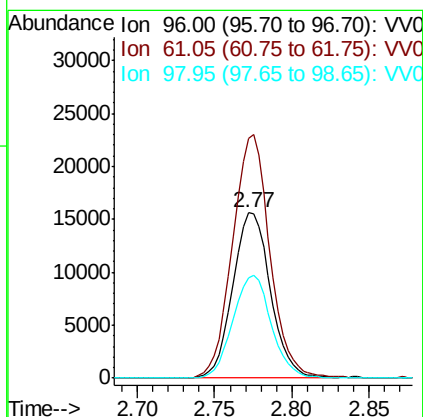
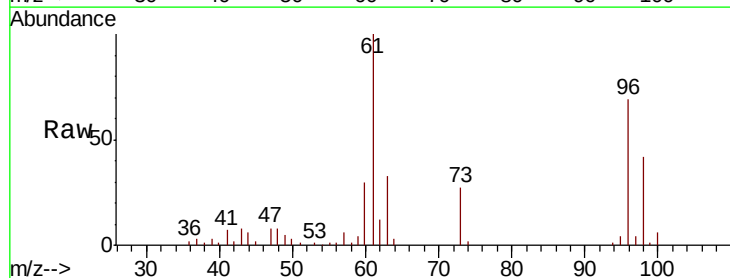
Instrument :
MSVOA_V
ClientSampleId :

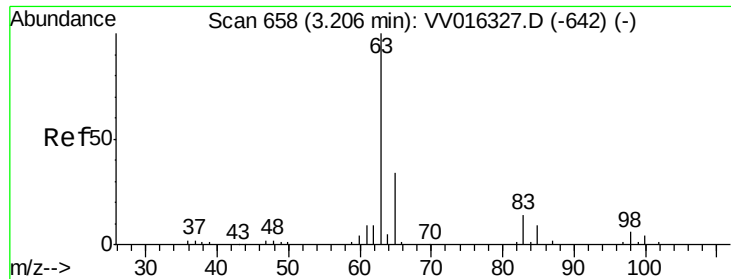
Tot Ion: 73 Resp: 57269
Ion Ratio Lower Upper
73 100
43 23.8 17.8 26.8
57 22.6 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.175 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Tgt Ion: 96 Resp: 26420
Ion Ratio Lower Upper
96 100
61 145.2 99.8 185.4
98 60.3 44.0 81.6





#19

1,1-Dichloroethane

Concen: 5.097 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :

MSVOA_V

ClientSampleId :

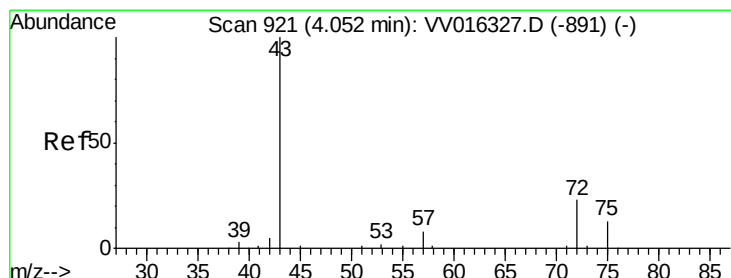
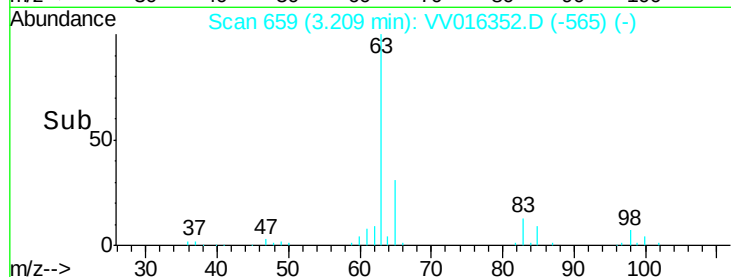
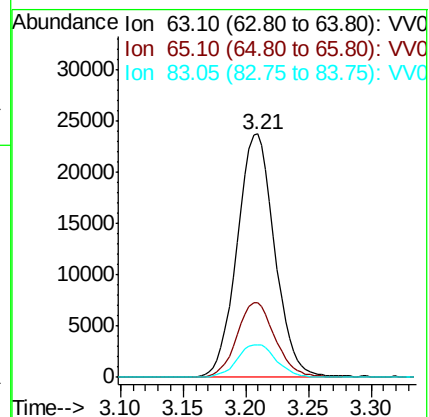
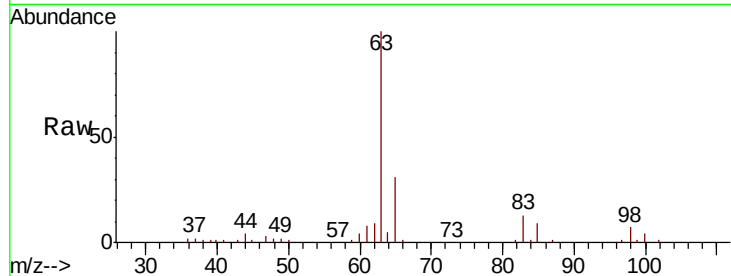
Tot Ion: 63 Resp: 49438

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 13.5 9.4 17.4



#21

2-Butanone

Concen: 26.670 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.02 min

Lab File: VV016352.D

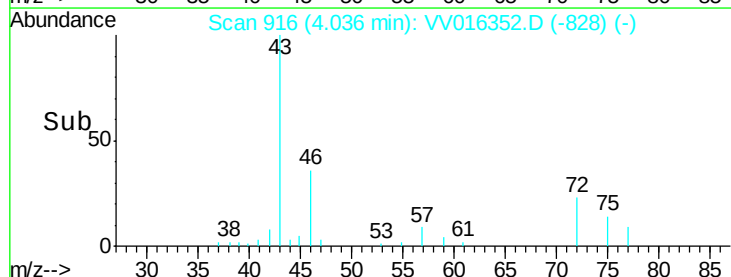
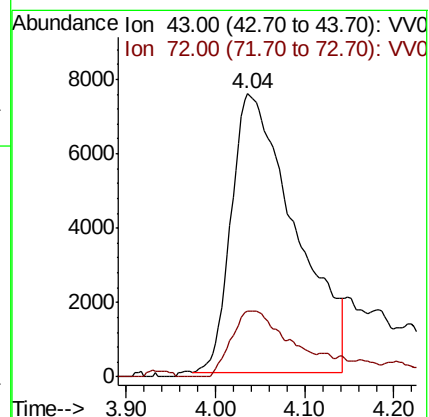
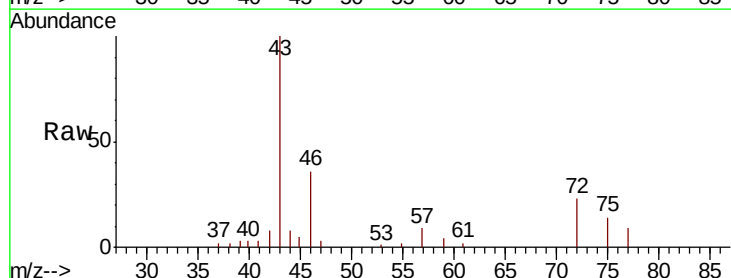
Acq: 30 May 2020 08:56

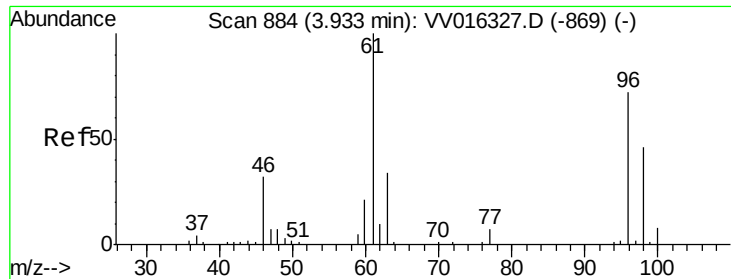
Tgt Ion: 43 Resp: 37009

Ion Ratio Lower Upper

43 100

72 21.0 9.7 28.9



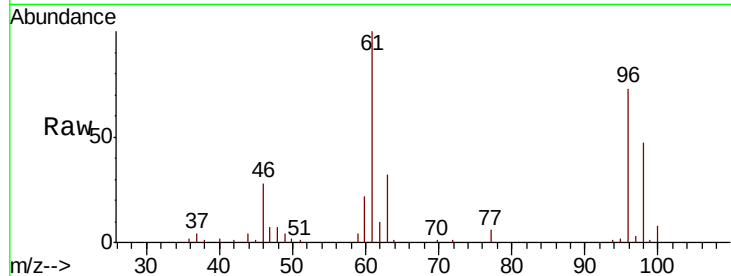


#22

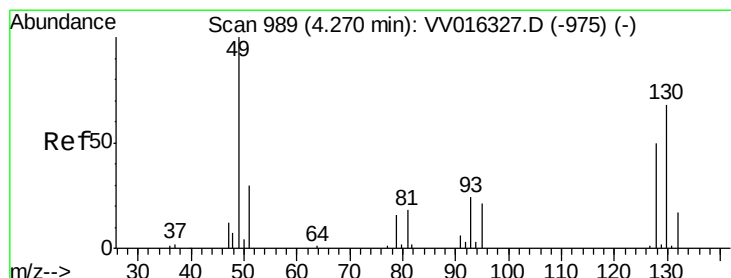
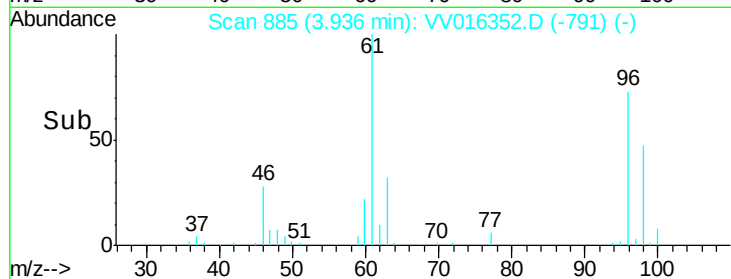
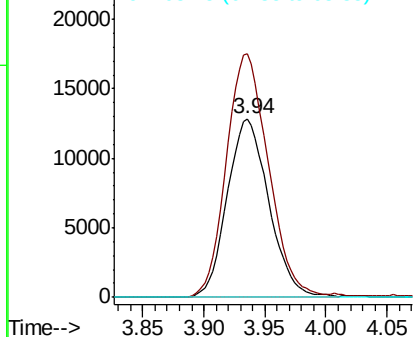
cis-1,2-Dichloroethene
 Concen: 5.029 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 30371
 Ion Ratio Lower Upper
 96 100
 61 136.5 99.7 185.1
 68 0.0 0.0 0.0



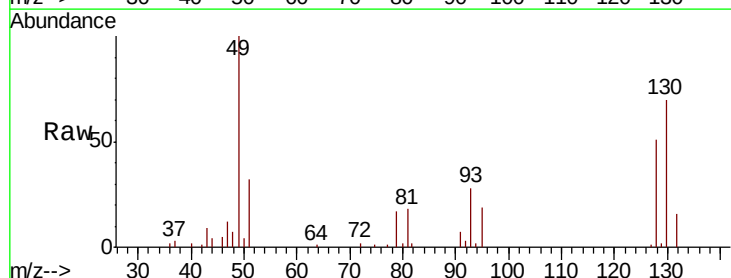
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



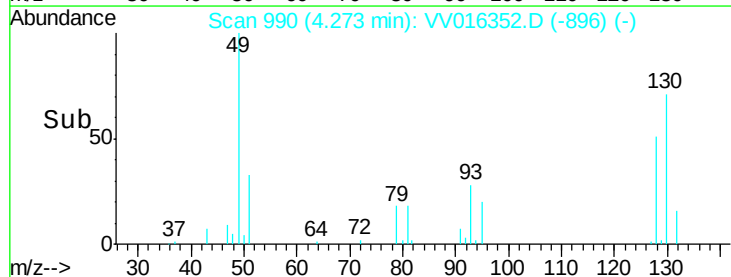
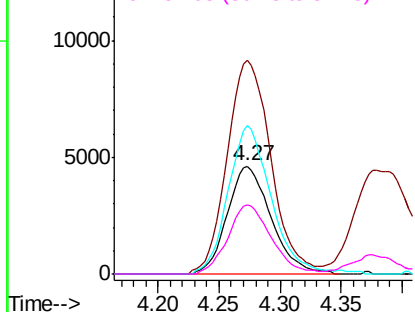
#23

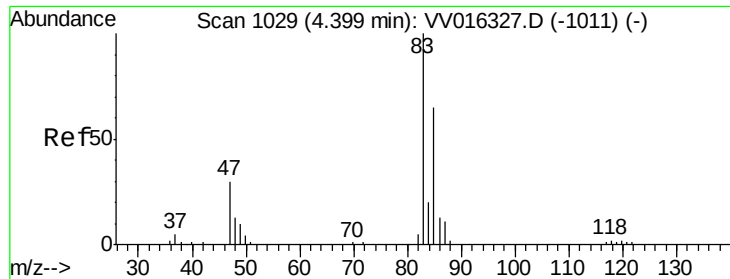
Bromochloromethane
 Concen: 5.029 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion: 128 Resp: 11527
 Ion Ratio Lower Upper
 128 100
 49 197.9 125.5 233.1
 130 137.6 83.0 154.2
 51 64.2 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

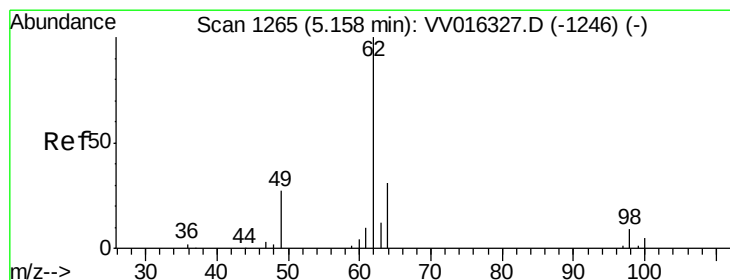
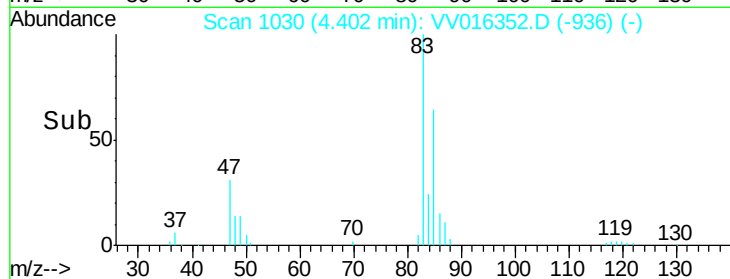
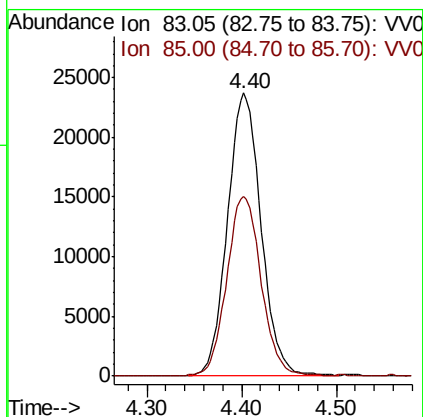
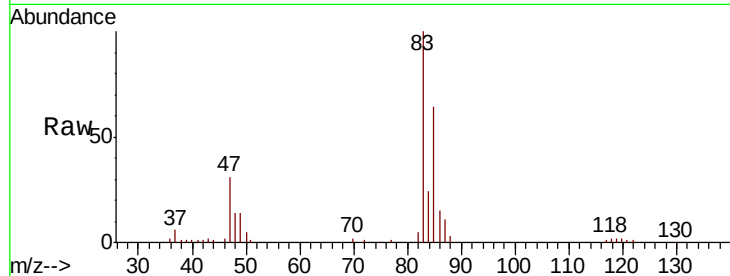




#25
Chloroform
Concen: 5.713 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

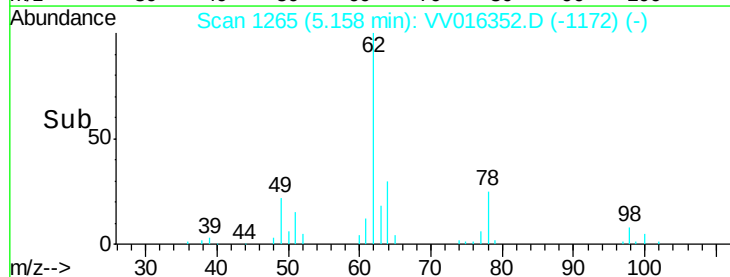
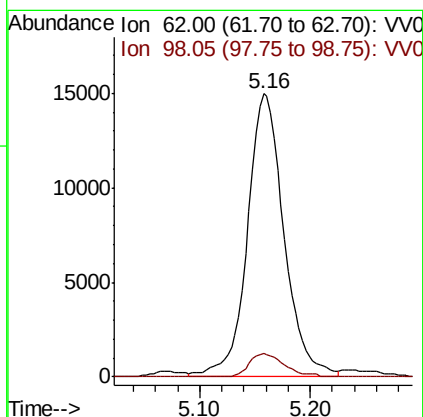
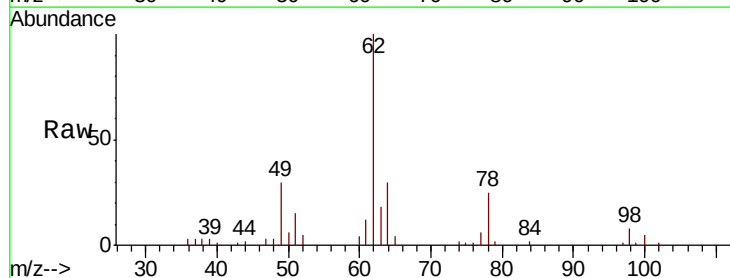
Instrument :
MSVOA_V
ClientSampled :

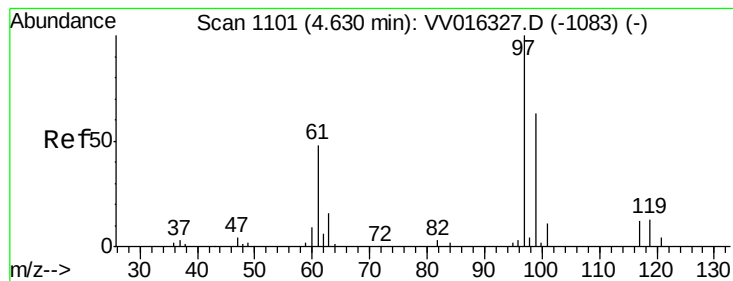
Tot Ion: 83 Resp: 58639
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.145 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Tgt Ion: 62 Resp: 34530
Ion Ratio Lower Upper
62 100
98 8.2 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 5.461 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :

MSVOA_V

ClientSampled :

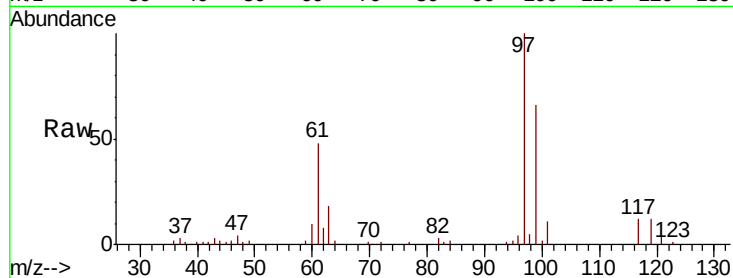
Tot Ion: 97 Resp: 48101

Ion Ratio Lower Upper

97 100

99 63.1 51.2 76.8

61 48.6 38.6 57.8

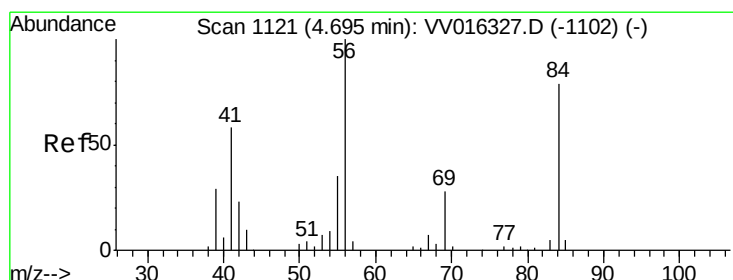
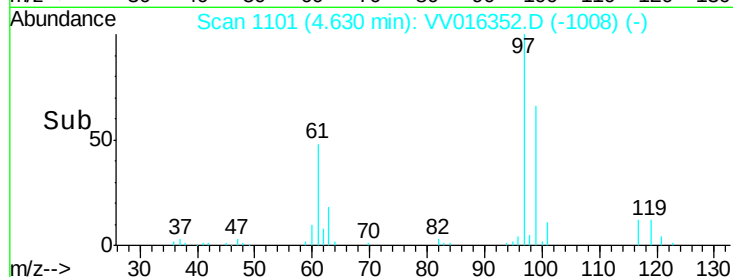
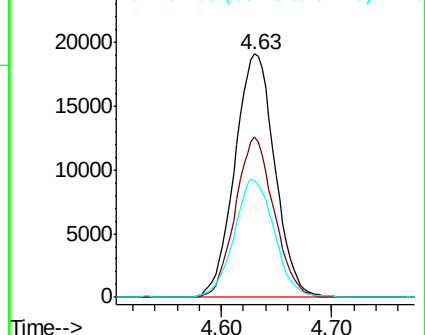


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.186 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

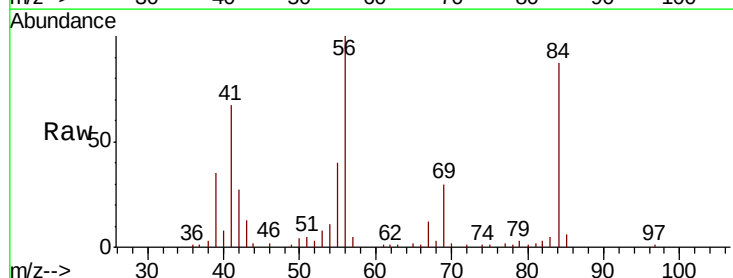
Tgt Ion: 56 Resp: 48952

Ion Ratio Lower Upper

56 100

69 28.4 24.6 36.8

84 85.6 67.1 100.7

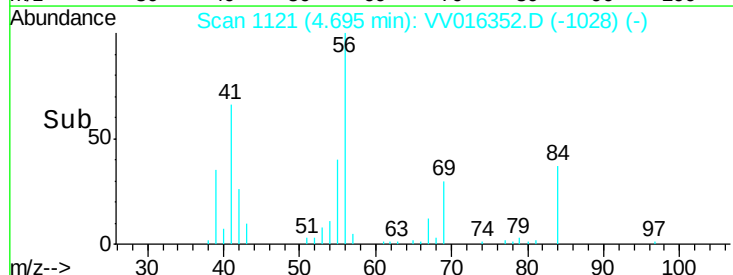
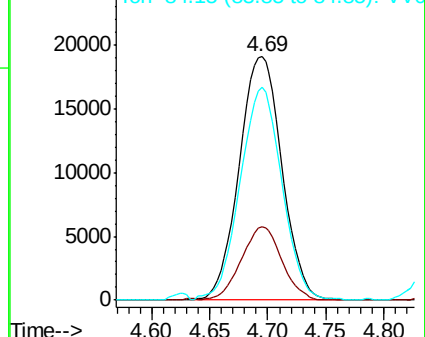


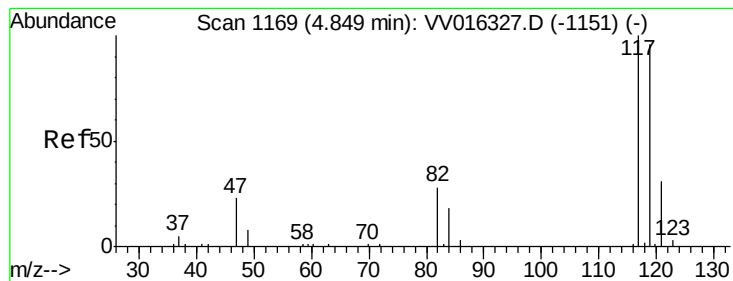
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.357 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

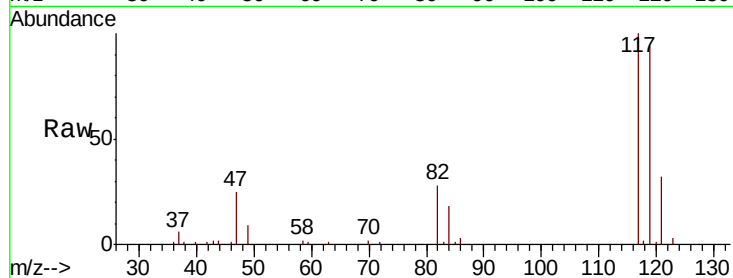
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 39979

Ion Ratio Lower Upper

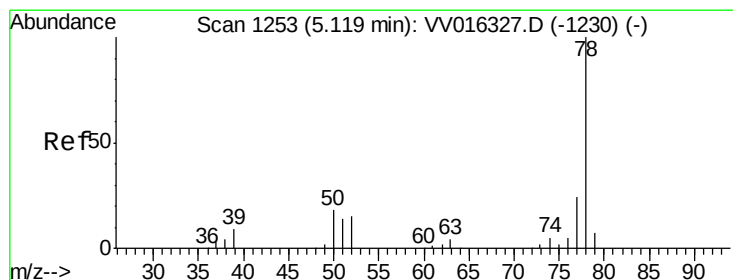
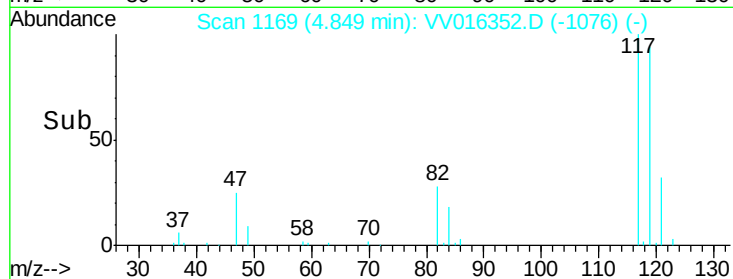
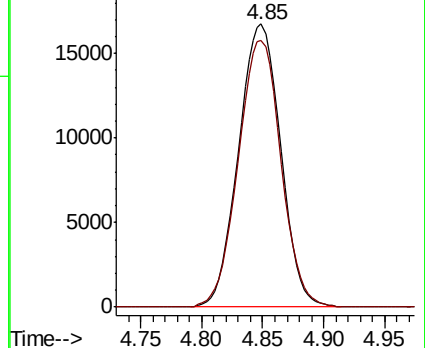
117 100

119 95.5 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.530 ug/L

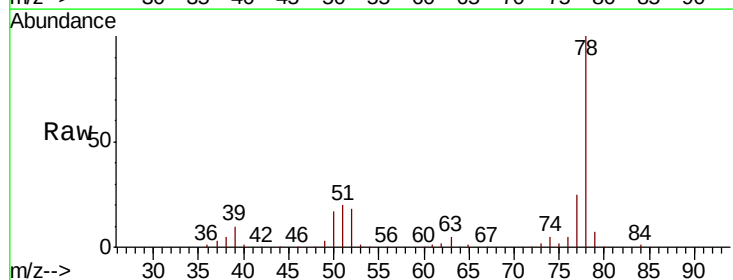
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

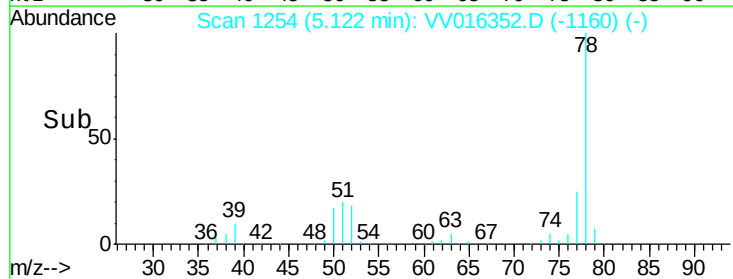
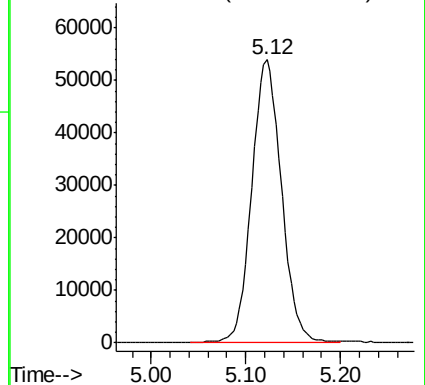
Lab File: VV016352.D

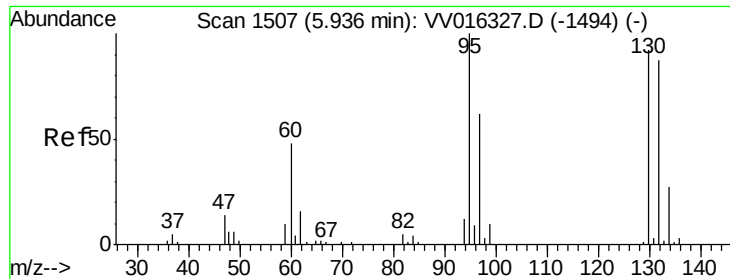
Acq: 30 May 2020 08:56

Tgt Ion: 78 Resp: 118103



Abundance Ion 78.10 (77.80 to 78.80): VV0

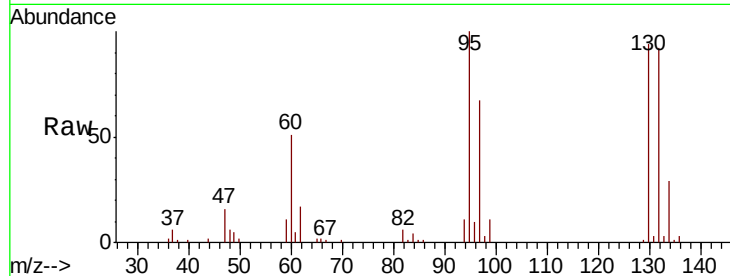




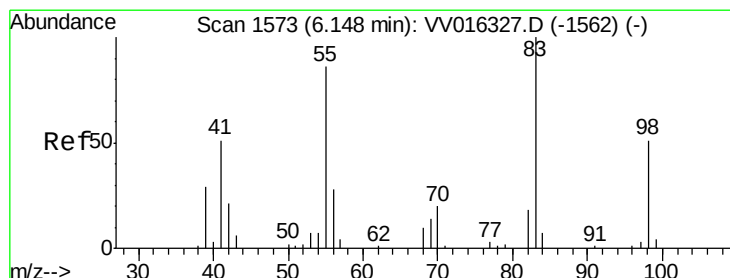
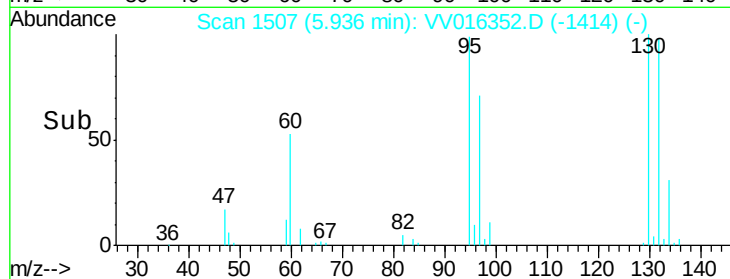
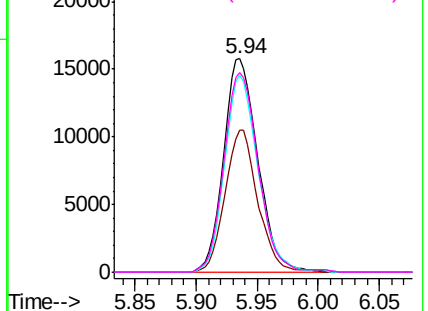
#34
 Trichloroethene
 Concen: 5.577 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 31026
 Ion Ratio Lower Upper
 95 100
 97 66.6 43.6 81.0
 132 92.1 63.9 118.7
 130 93.6 65.2 121.0

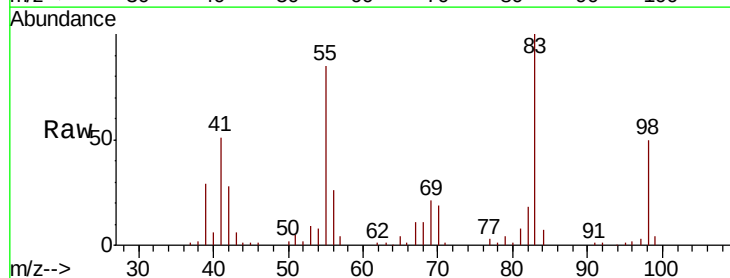


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

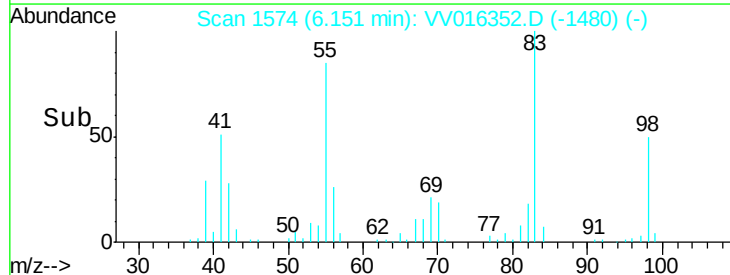
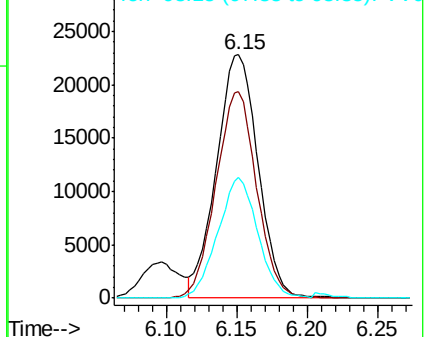


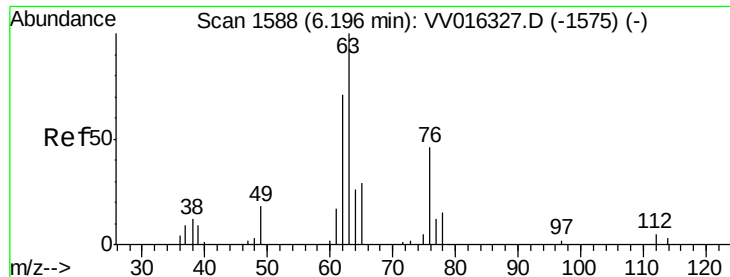
#35
 Methylcyclohexane
 Concen: 5.008 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion: 83 Resp: 46992
 Ion Ratio Lower Upper
 83 100
 55 82.9 65.4 98.0
 98 47.6 39.3 58.9



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

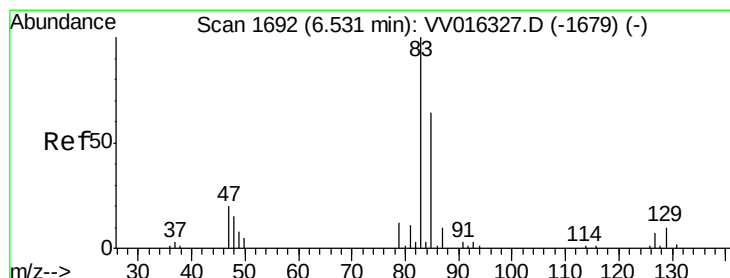
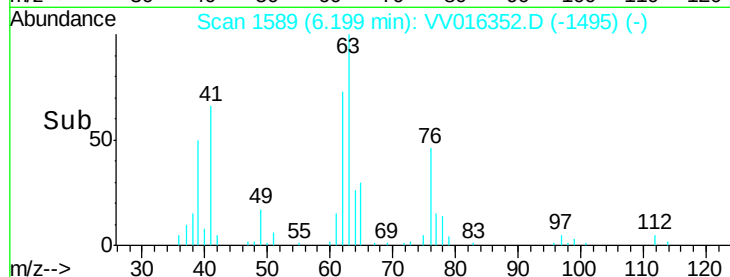
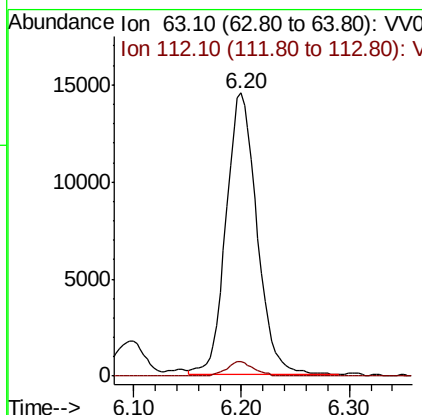
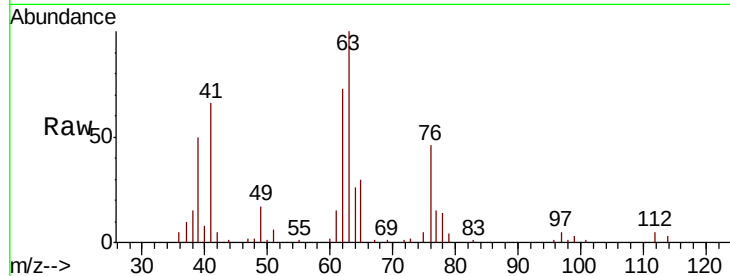




#37
 1,2-Dichloropropane
 Concen: 5.499 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

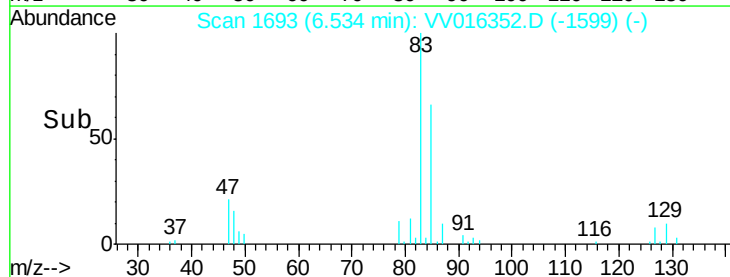
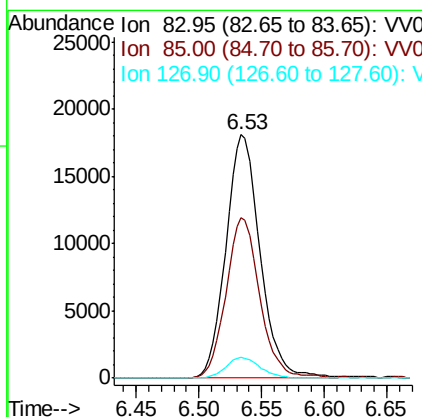
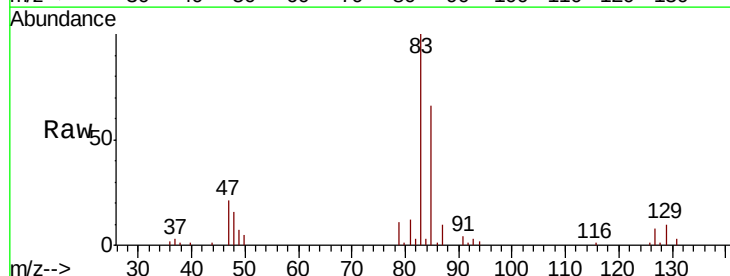
Instrument :
 MSVOA_V
 ClientSampled :

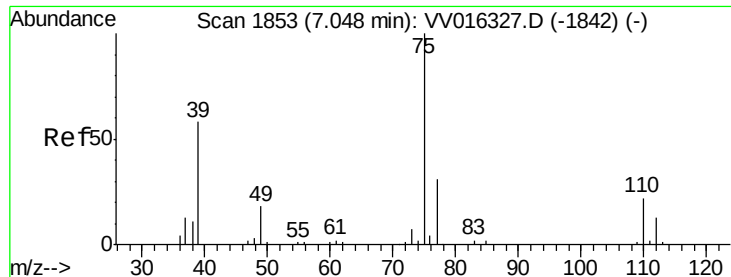
Tot Ion: 63 Resp: 28803
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.311 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion: 83 Resp: 34226
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.2 82.2
 127 8.4 7.1 10.7



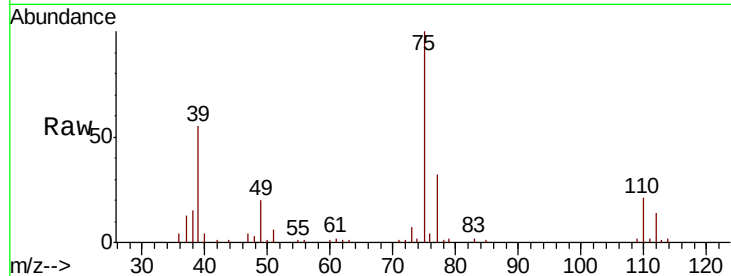


#39

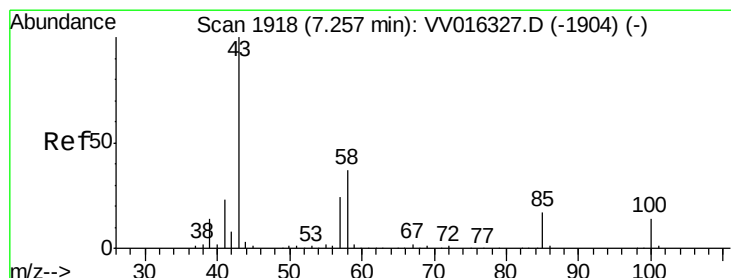
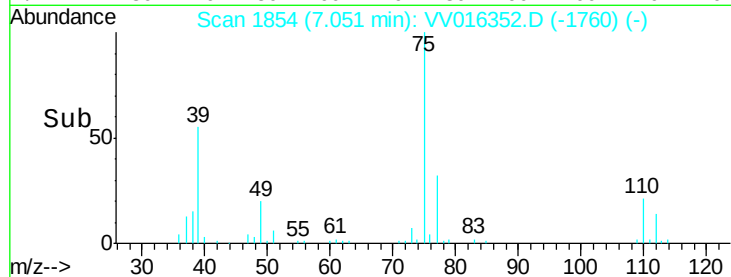
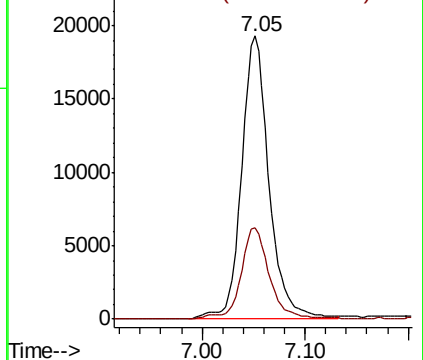
cis-1,3-Dichloropropene
 Concen: 4.811 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 75 Resp: 35686
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.7 40.3



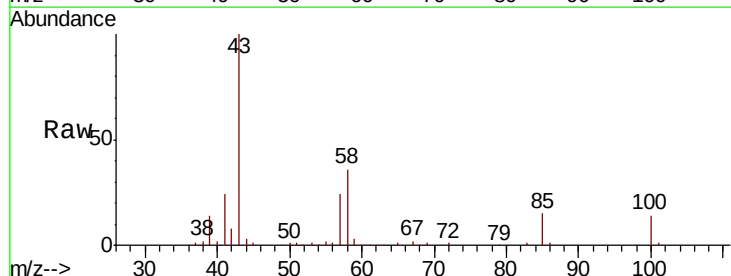
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0



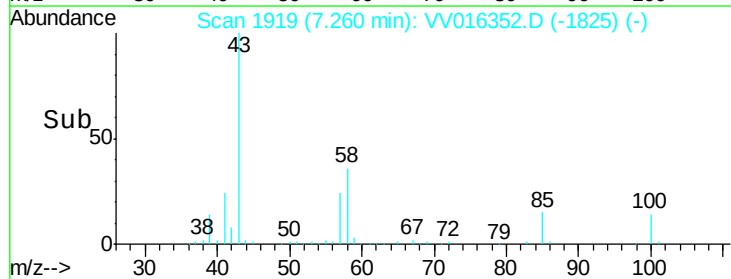
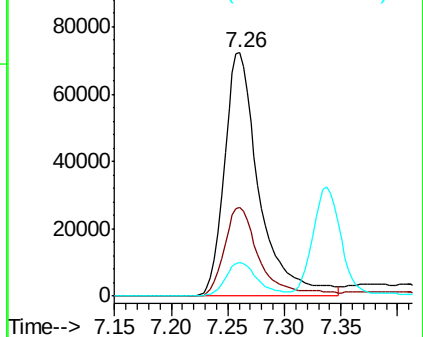
#40

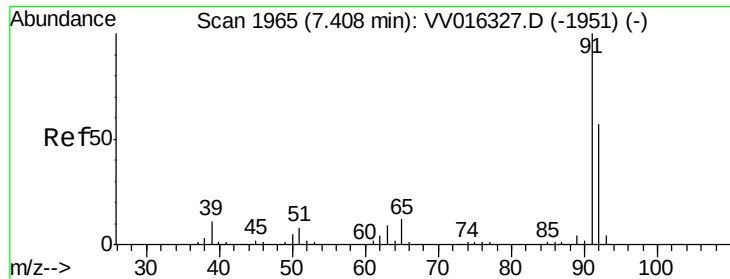
4-Methyl-2-pentanone
 Concen: 47.472 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion: 43 Resp: 154694
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 13.1 11.1 16.7



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





#42

Toluene

Concen: 5.481 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

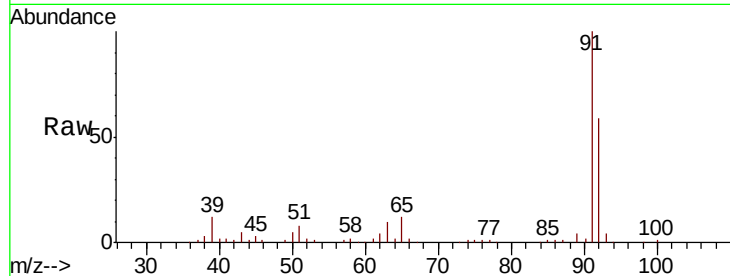
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 127657

Ion Ratio Lower Upper

91 100

92 58.8 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

80000

60000

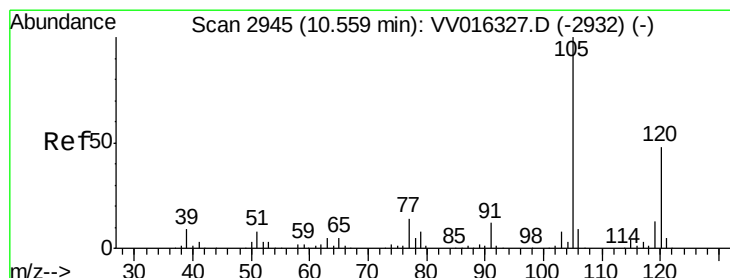
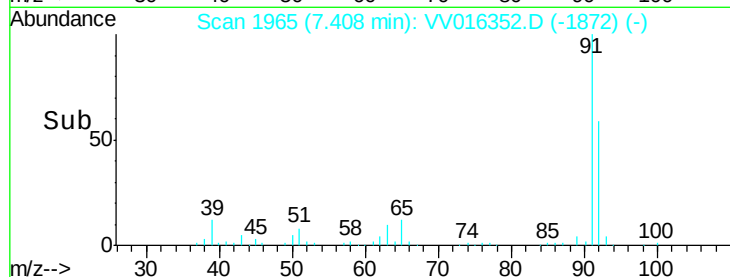
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.672 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016352.D

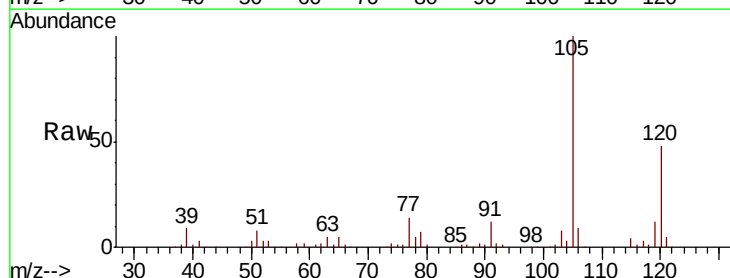
Acq: 30 May 2020 08:56

Tgt Ion:105 Resp: 99054

Ion Ratio Lower Upper

105 100

120 47.6 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.56

60000

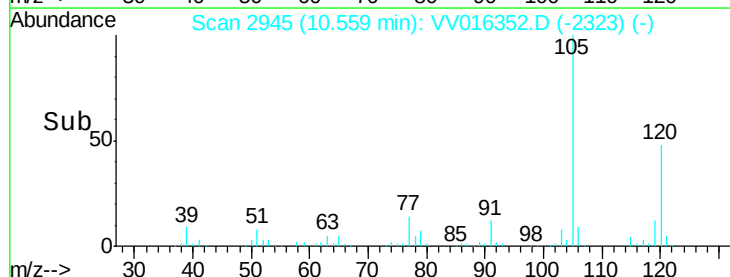
40000

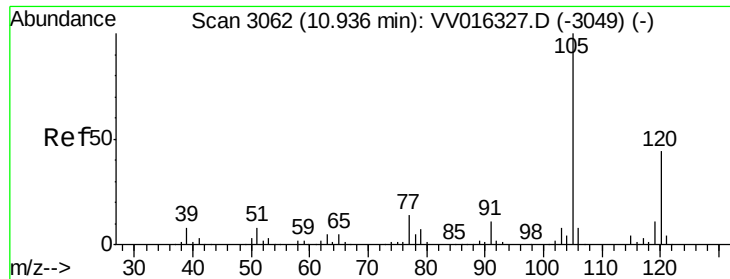
20000

0

10.50 10.60

Time-->

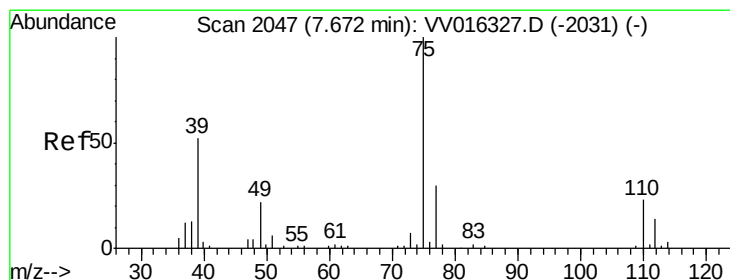
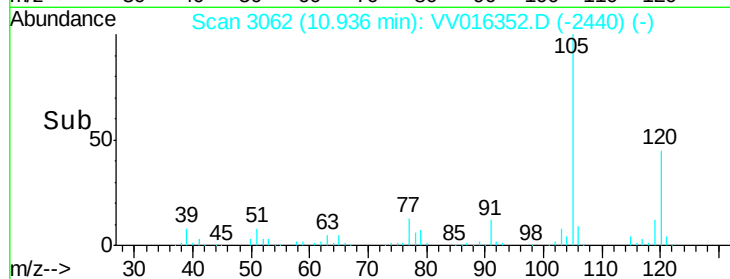
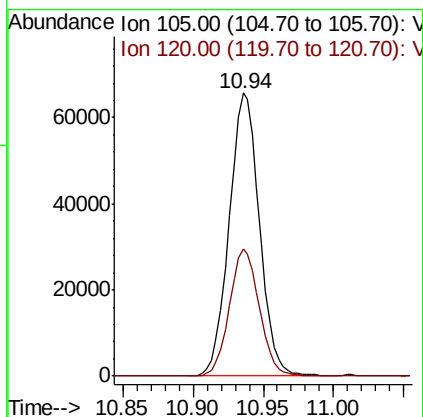
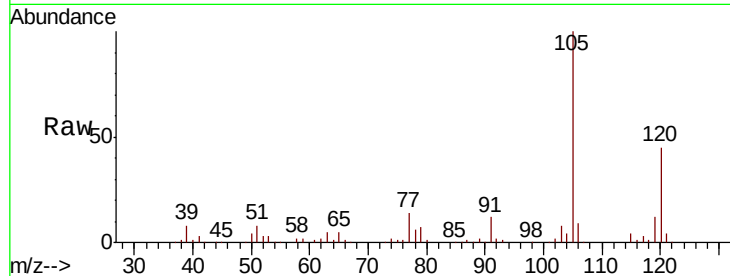




#44
 1,2,4-Trimethylbenzene
 Concen: 4.523 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

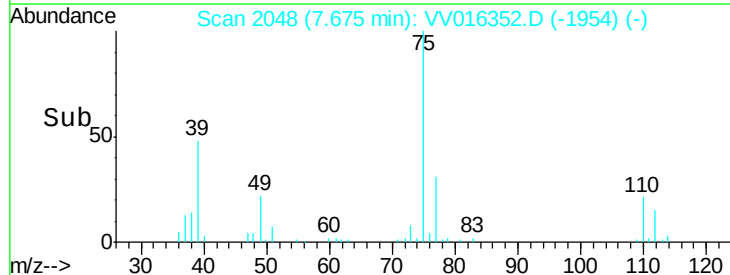
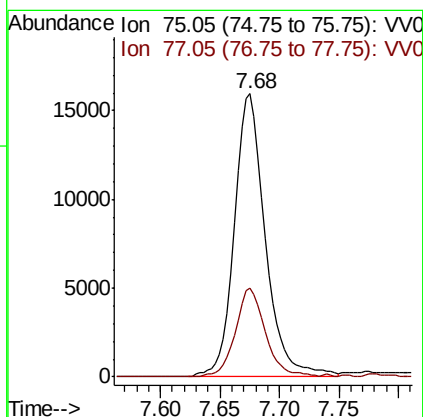
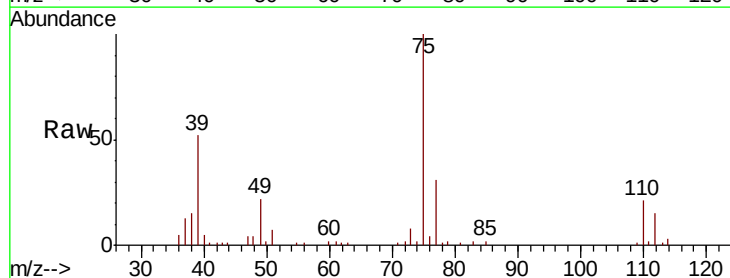
Instrument :
 MSVOA_V
 ClientSampled :

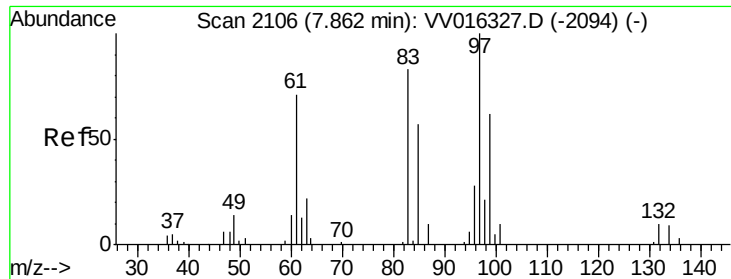
Tot Ion:105 Resp: 98773
 Ion Ratio Lower Upper
 105 100
 120 44.3 34.6 52.0



#46
 trans-1,3-Dichloropropene
 Concen: 4.690 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion: 75 Resp: 28906
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.7 40.3

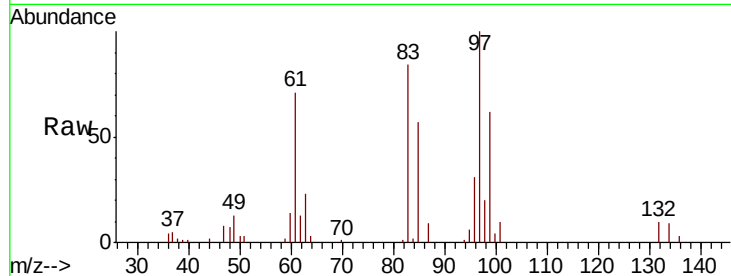




#47
 1,1,2-Trichloroethane
 Concen: 5.297 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	18247
Ion	Ratio	Lower	Upper
97	100		
99	62.1	40.8	75.8
83	84.1	60.0	111.4
85	57.0	39.3	73.1

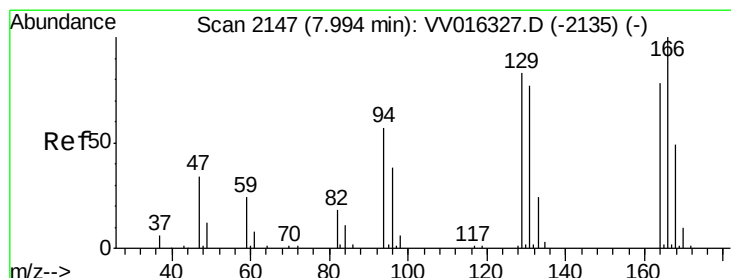
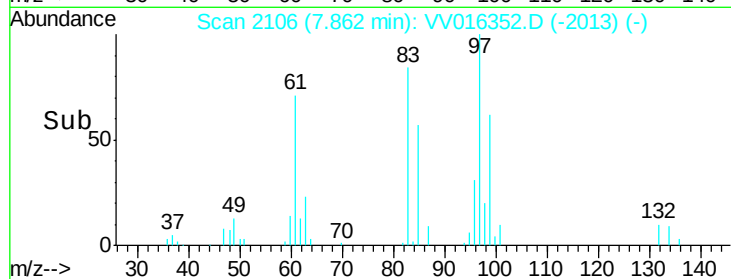
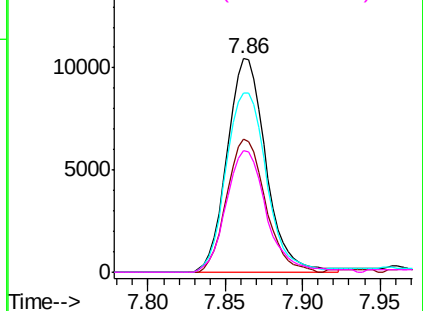


Abundance Ion 96.95 (96.65 to 97.65): VV016352.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV016352.D (-2013) (-)

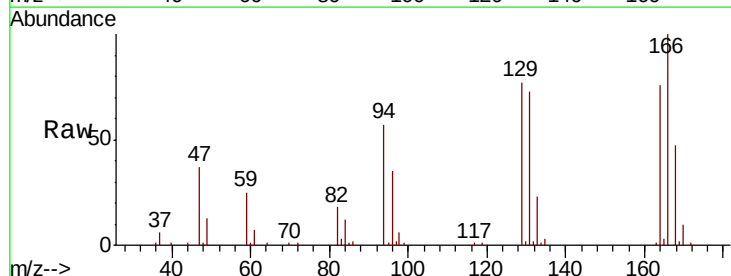
Ion 82.95 (82.65 to 83.65): VV016352.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV016352.D (-2013) (-)



#49
 Tetrachloroethene
 Concen: 5.204 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion:	164	Resp:	20787
Ion	Ratio	Lower	Upper
164	100		
129	100.8	70.7	131.3
131	95.5	66.6	123.8
166	130.8	86.9	161.5

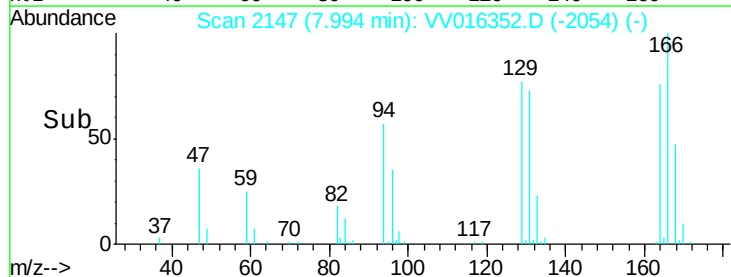
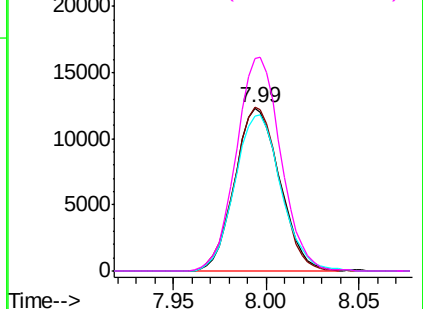


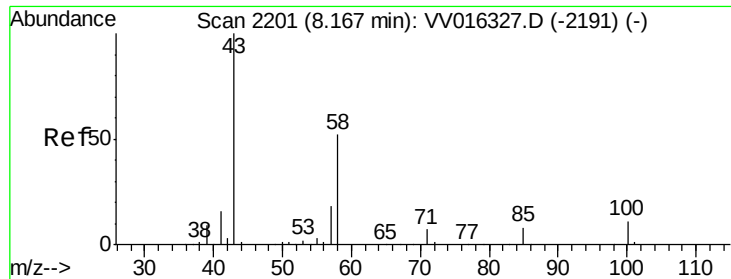
Abundance Ion 163.90 (163.60 to 164.60): VV016352.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV016352.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV016352.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV016352.D (-2054) (-)

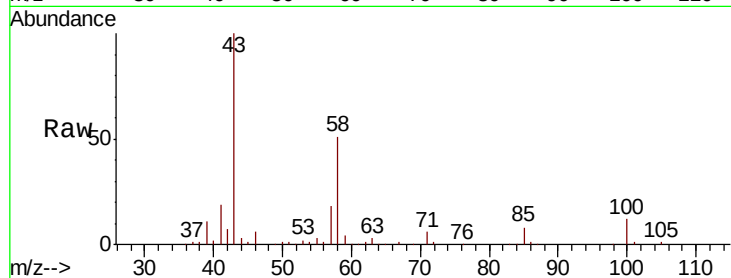




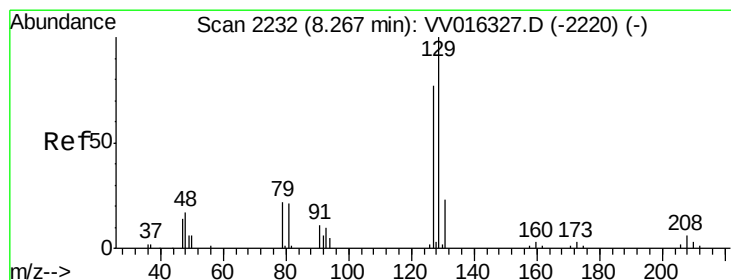
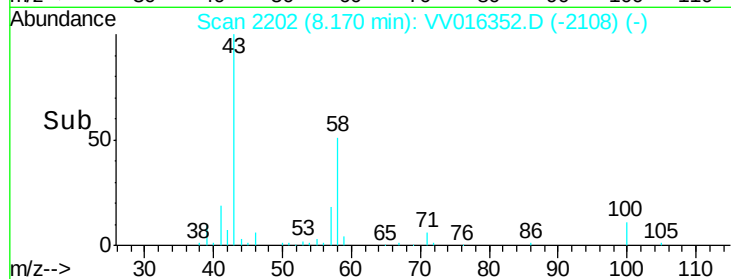
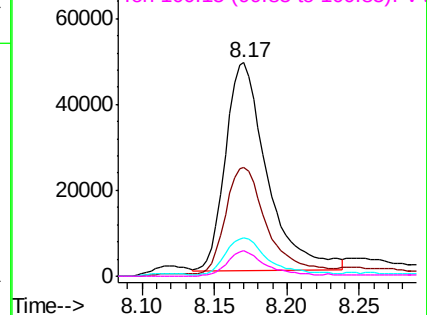
#50
2-Hexanone
Concen: 42.201 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 95903
Ion Ratio Lower Upper
43 100
58 50.8 41.4 62.0
57 17.8 15.0 22.4
100 11.5 9.0 13.4

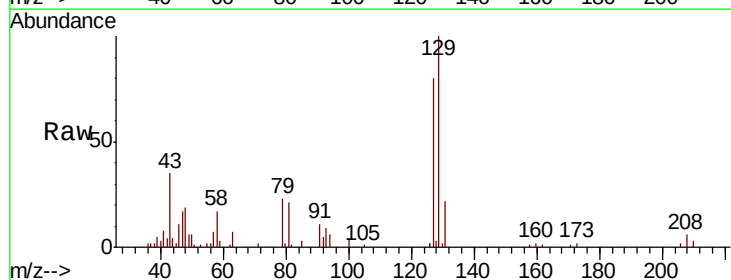


Abundance Ion 43.05 (42.75 to 43.75): VV016352.D (-2191) (-)
Ion 58.05 (57.75 to 58.75): VV016352.D (-2191) (-)
Ion 57.20 (56.90 to 57.90): VV016352.D (-2191) (-)
Ion 100.15 (99.85 to 100.85): VV016352.D (-2191) (-)

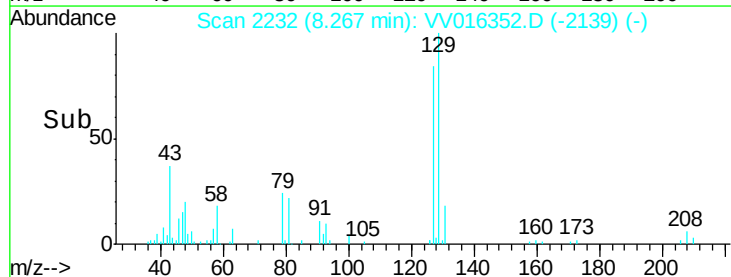
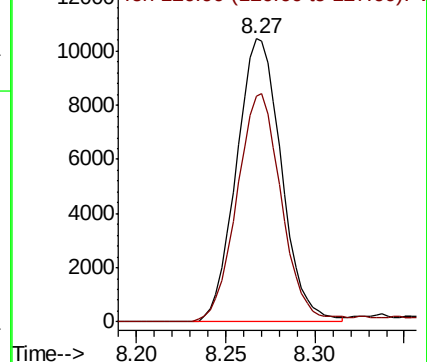


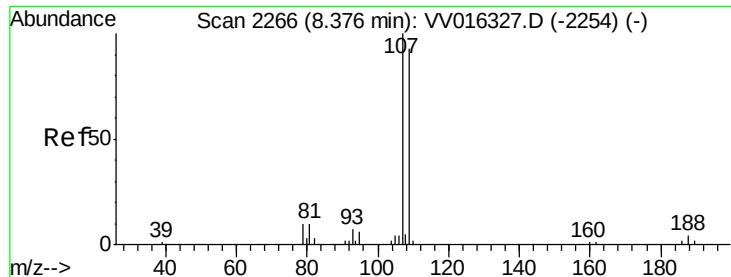
#51
Dibromochloromethane
Concen: 5.030 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Tgt Ion: 129 Resp: 18353
Ion Ratio Lower Upper
129 100
127 79.9 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV016352.D (-2220) (-)
Ion 126.90 (126.60 to 127.60): VV016352.D (-2220) (-)





#52

1,2-Dibromoethane

Concen: 5.198 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :
MSVOA_V
ClientSampleId :

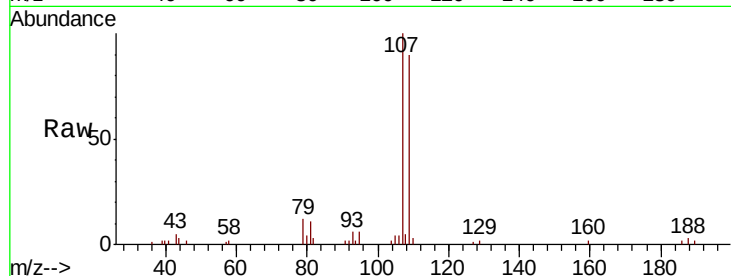
Tot Ion:107 Resp: 16824

Ion Ratio Lower Upper

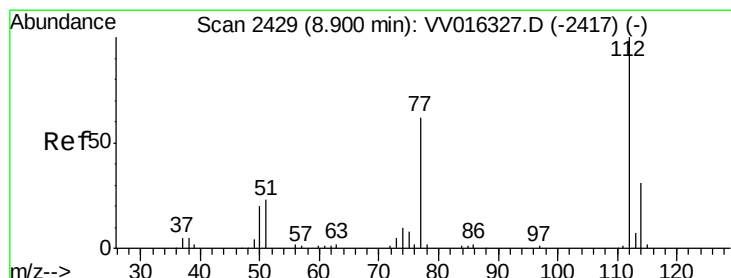
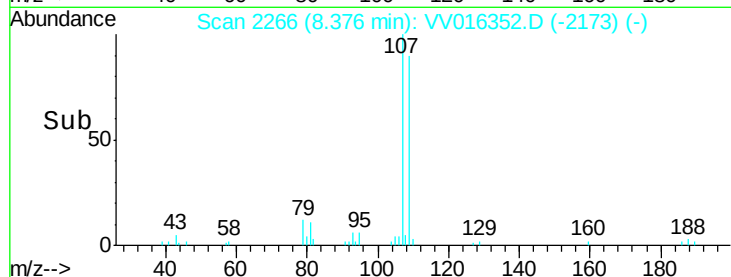
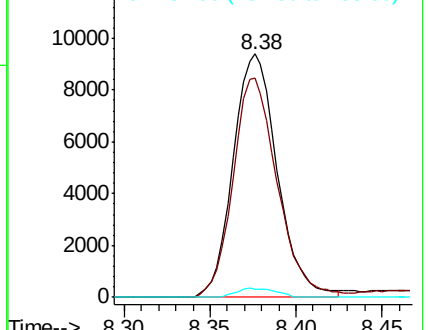
107 100

109 90.0 63.1 117.3

188 3.4 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: 5.288 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

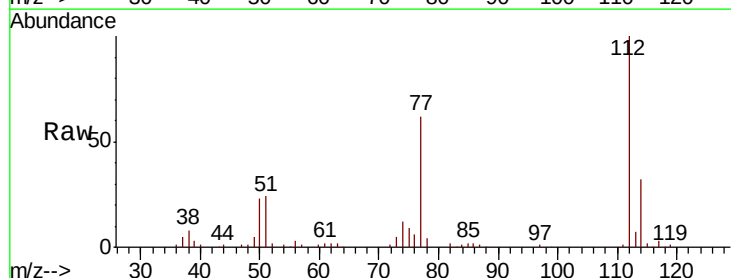
Tgt Ion:112 Resp: 76101

Ion Ratio Lower Upper

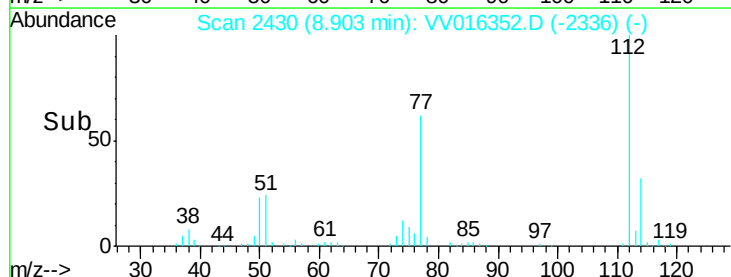
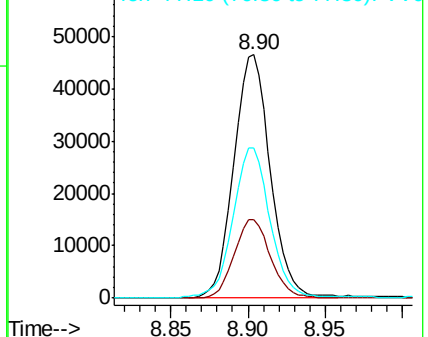
112 100

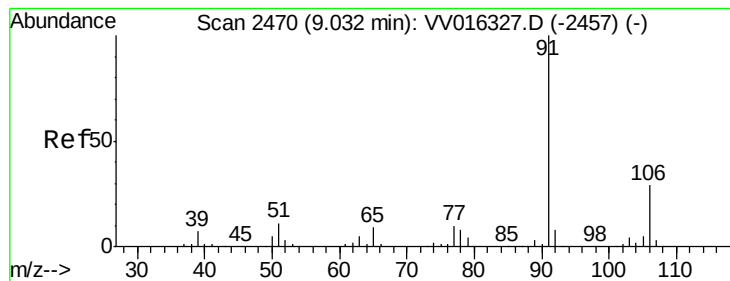
114 32.3 22.3 41.3

77 61.6 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: 5.250 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

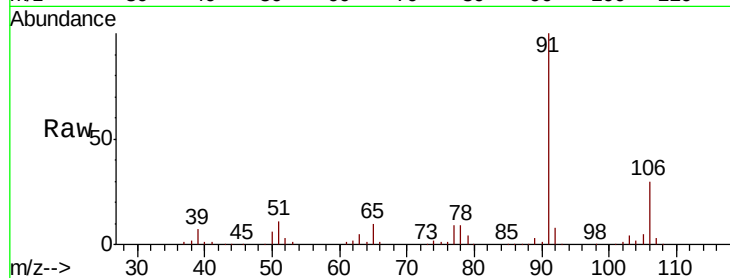
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 136286

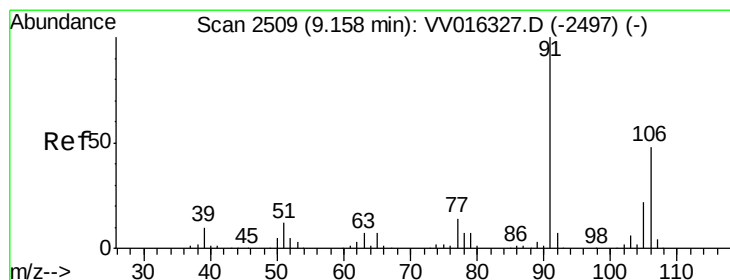
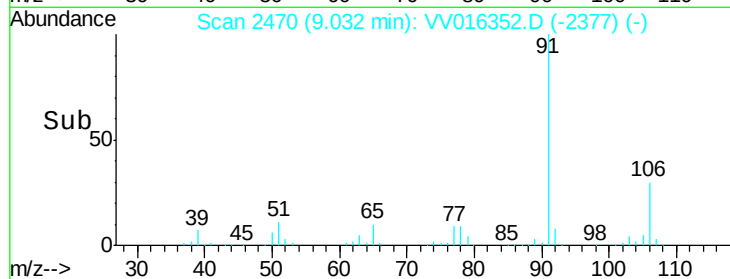
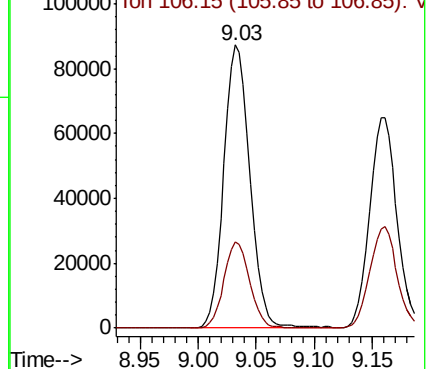
Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016352.D (-2377) (-)



#55

m,p-xylene

Concen: 5.244 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016352.D

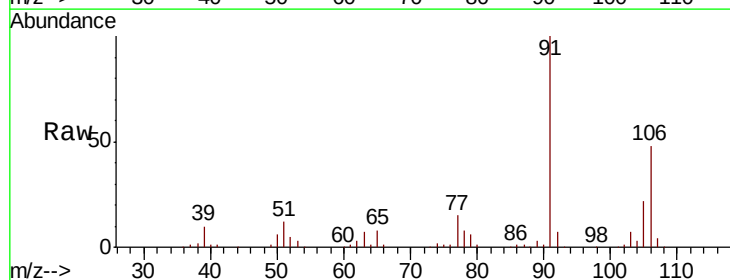
Acq: 30 May 2020 08:56

Tgt Ion: 106 Resp: 51044

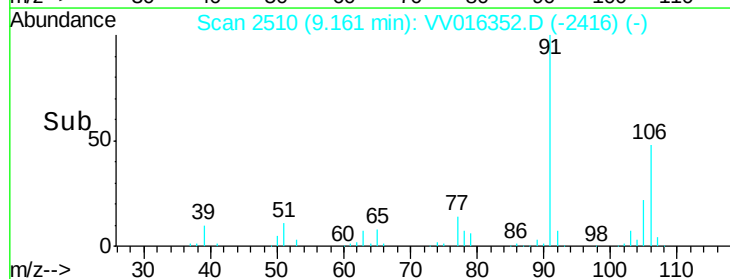
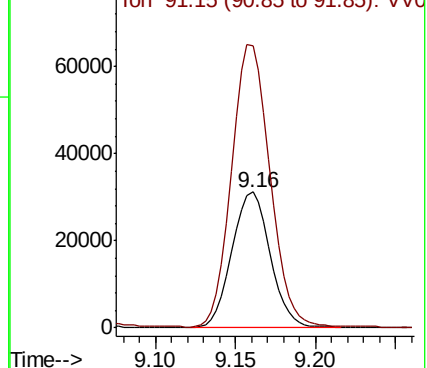
Ion Ratio Lower Upper

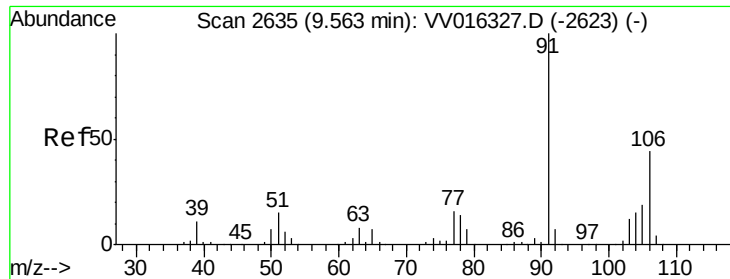
106 100

91 207.9 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016352.D (-2416) (-)

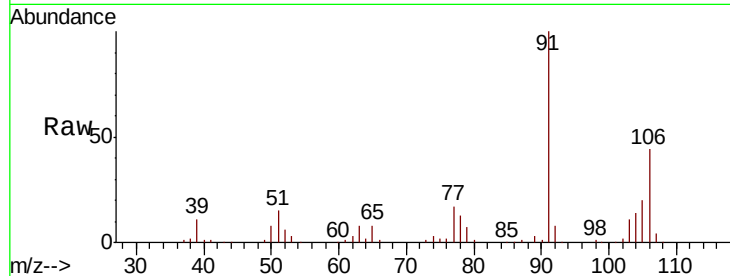




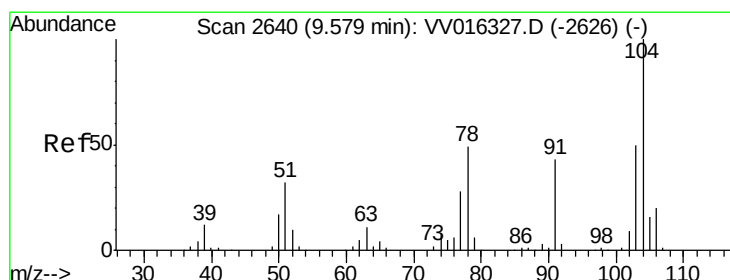
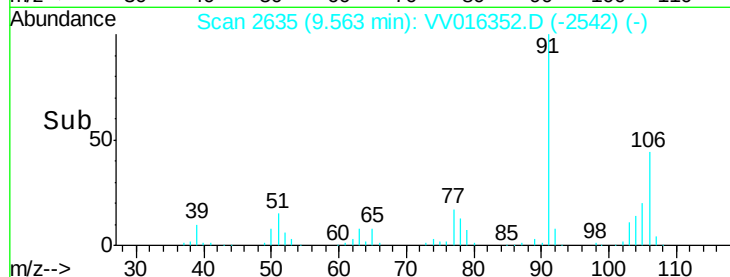
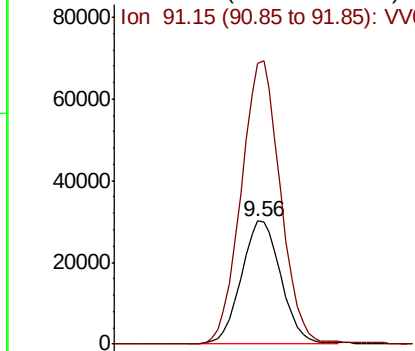
#56
o-xylene
Concen: 5.069 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 47021
Ion Ratio Lower Upper
106 100
91 228.7 158.8 294.8

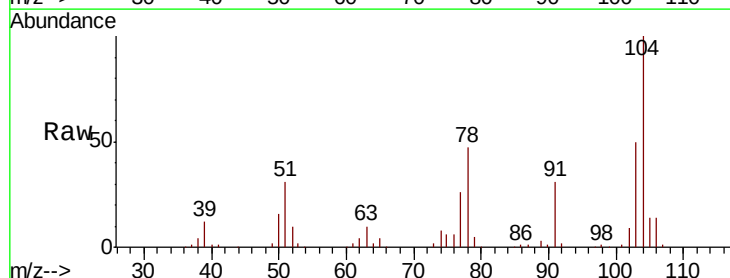


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

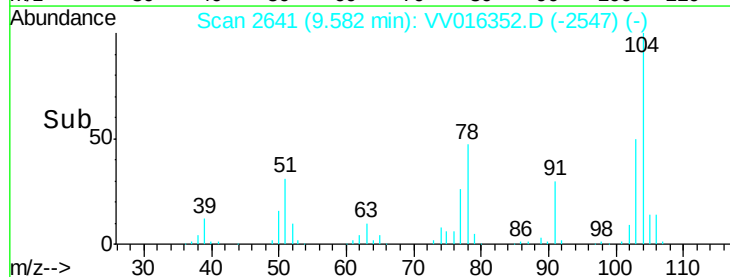
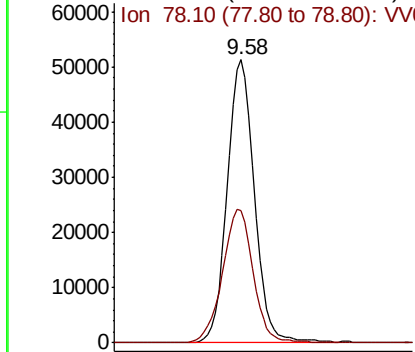


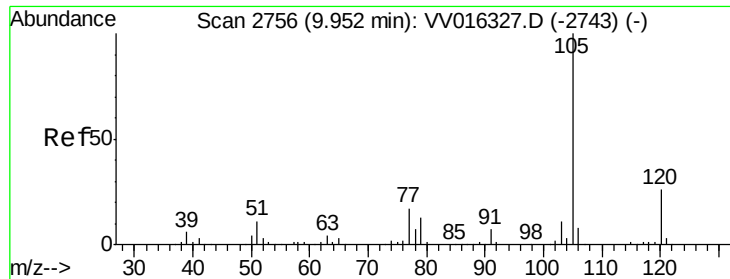
#57
Styrene
Concen: 5.376 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016352.D
Acq: 30 May 2020 08:56

Tgt Ion:104 Resp: 82994
Ion Ratio Lower Upper
104 100
78 46.9 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: 5.027 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :
MSVOA_V
ClientSampled :

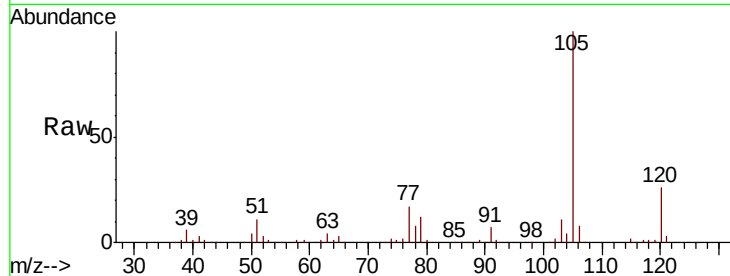
Tot Ion:105 Resp: 127728

Ion Ratio Lower Upper

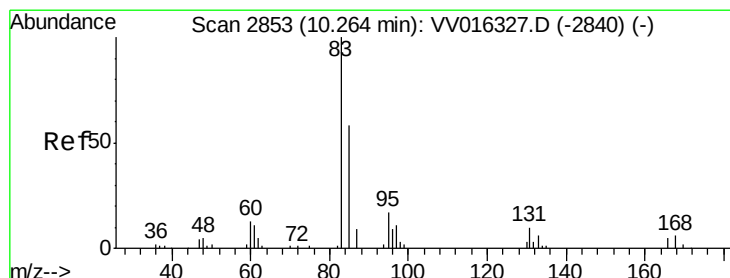
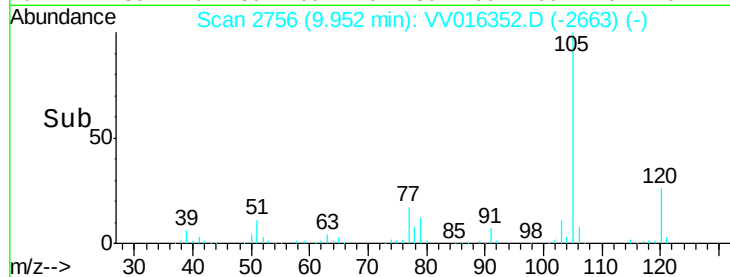
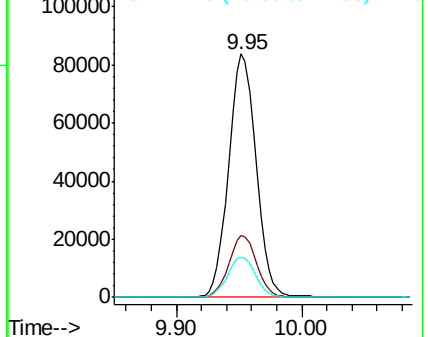
105 100

120 25.6 20.9 31.3

77 17.1 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: 4.755 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

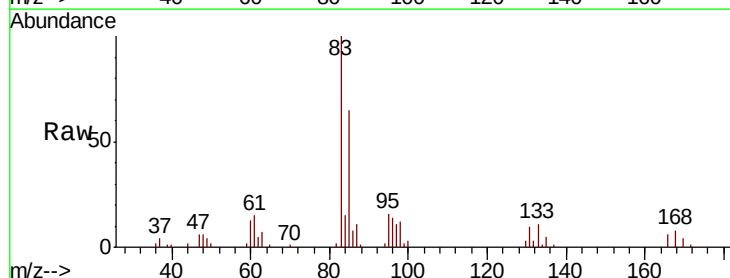
Tgt Ion: 83 Resp: 20362

Ion Ratio Lower Upper

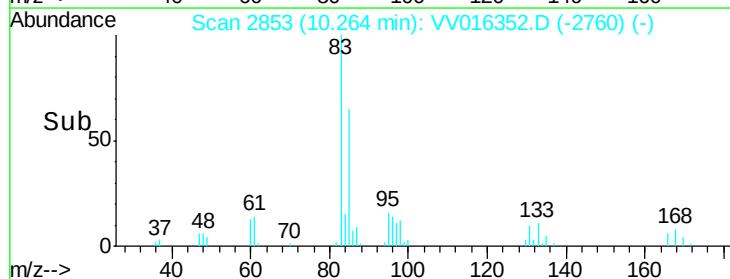
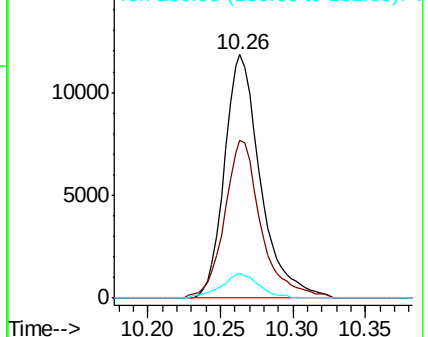
83 100

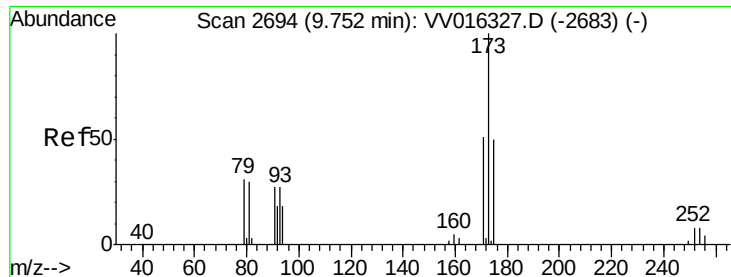
85 64.9 45.6 84.8

131 10.1 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: 5.376 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

Instrument :
MSVOA_V
ClientSampleId :

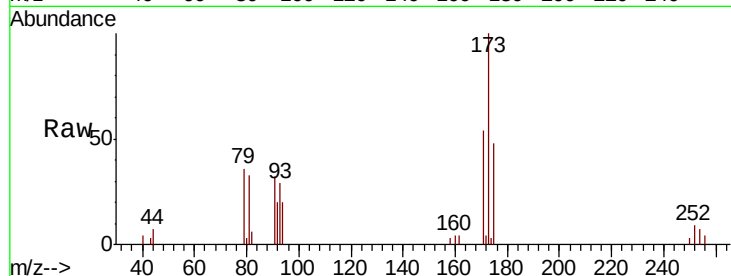
Tot Ion:173 Resp: 7231

Ion Ratio Lower Upper

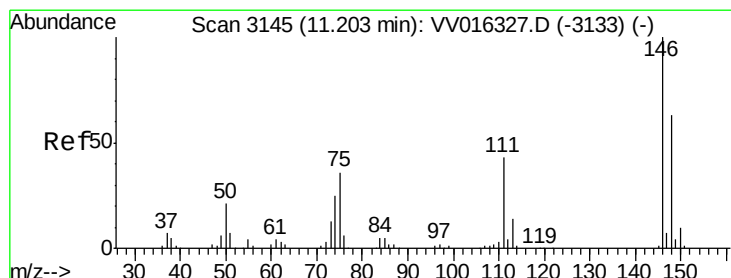
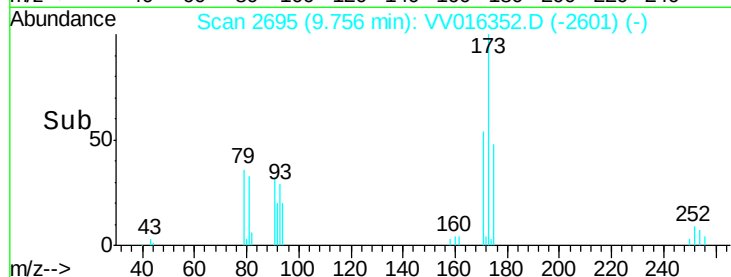
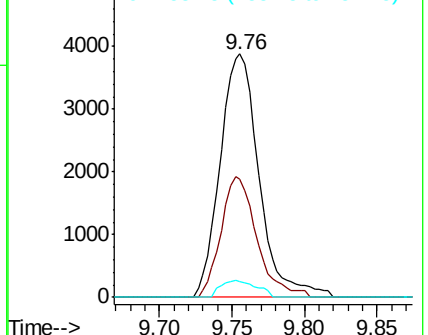
173 100

175 45.5 38.6 58.0

254 6.2 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: 5.373 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016352.D

Acq: 30 May 2020 08:56

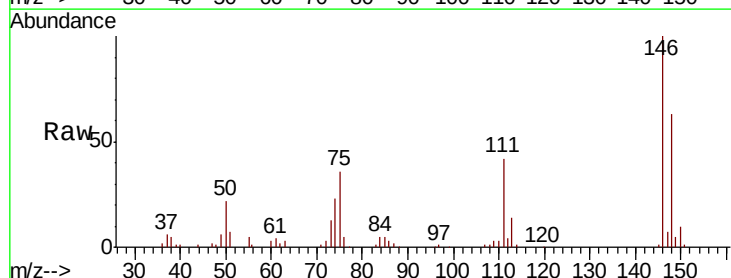
Tgt Ion:146 Resp: 51288

Ion Ratio Lower Upper

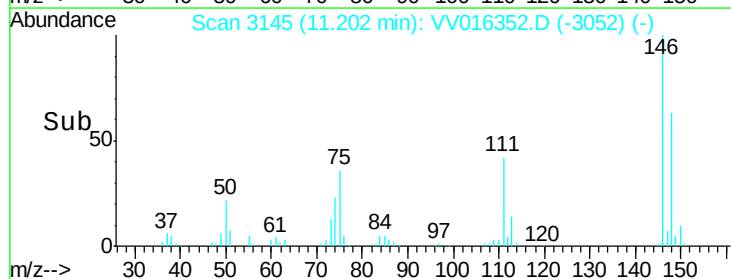
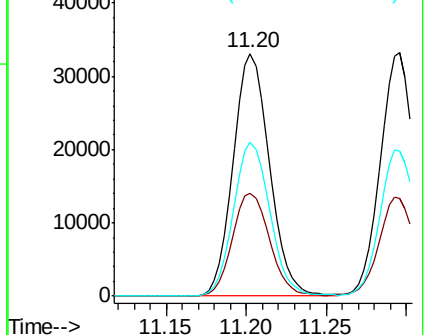
146 100

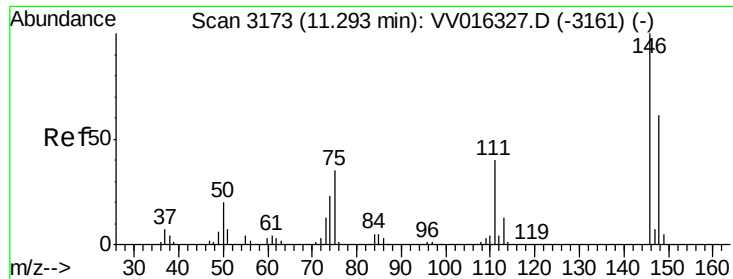
111 42.5 29.7 55.1

148 63.3 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

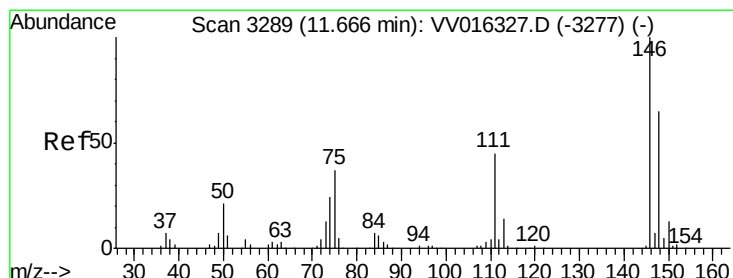
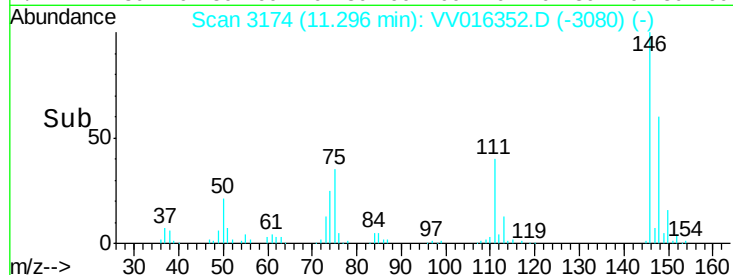
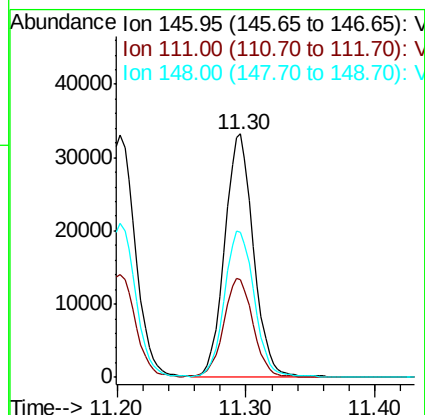
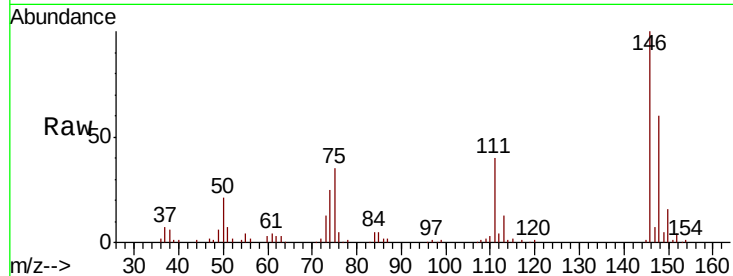




#64
 1,4-Dichlorobenzene
 Concen: 5.313 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

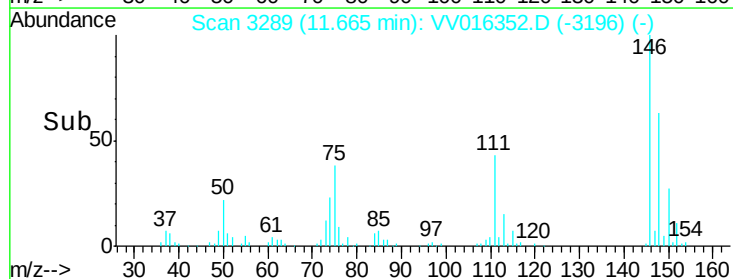
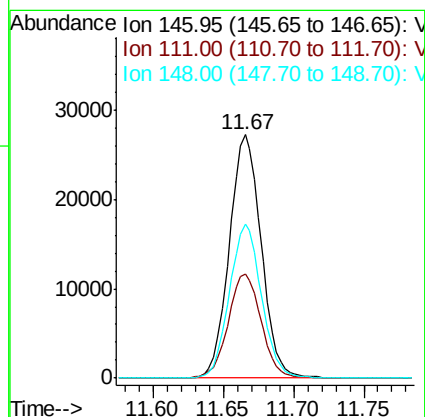
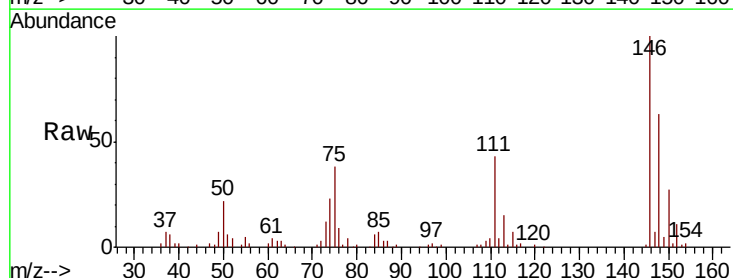
Instrument :
 MSVOA_V
 ClientSampled :

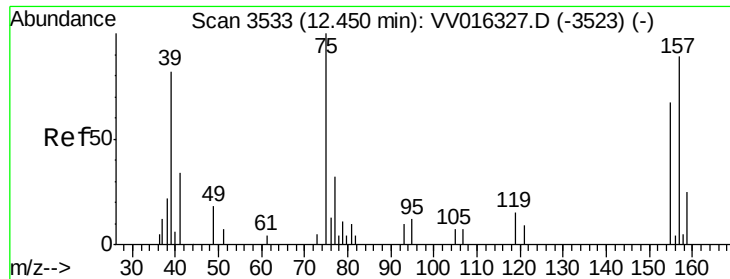
Tot Ion:146 Resp: 51540
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.3 52.7
 148 59.6 43.3 80.3



#66
 1,2-Dichlorobenzene
 Concen: 5.001 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion:146 Resp: 43149
 Ion Ratio Lower Upper
 146 100
 111 42.6 35.7 53.5
 148 63.1 51.3 76.9

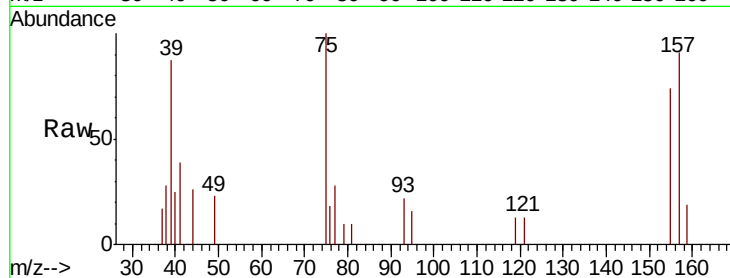




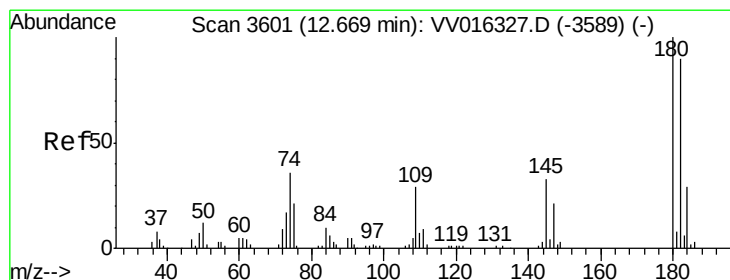
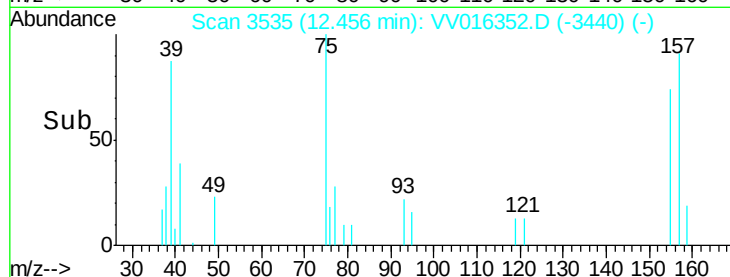
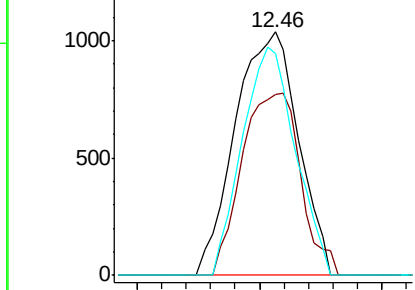
#67
 1,2-Dibromo-3-chloropropane
 Concen: 3.186 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. 0.01 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 75 Resp: 1857
 Ion Ratio Lower Upper
 75 100
 155 74.4 56.2 84.4
 157 91.0 71.9 107.9

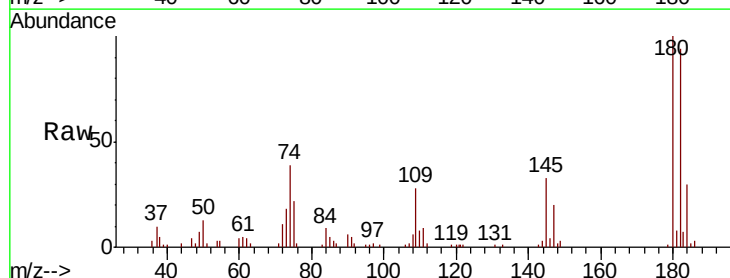


Abundance Ion 75.05 (74.75 to 75.75): VV016327.D (-3523) (-)
 Ion 154.95 (154.65 to 155.65): VV016327.D (-3523) (-)
 Ion 156.90 (156.60 to 157.60): VV016327.D (-3523) (-)

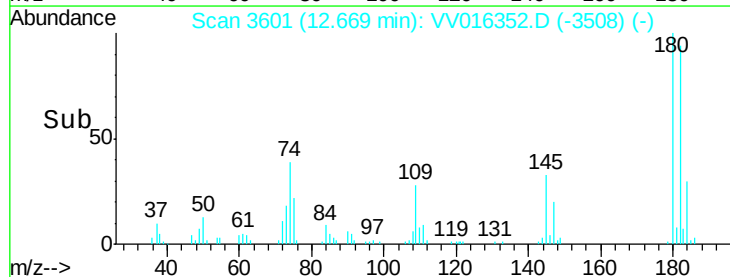
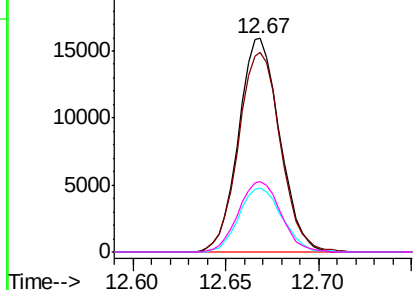


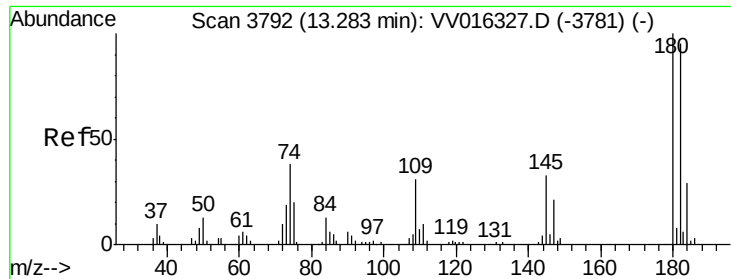
#68
 1,3,5-Trichlorobenzene
 Concen: 3.633 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion: 180 Resp: 24540
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.1 115.7
 184 31.3 25.0 37.4
 145 34.0 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016327.D (-3589) (-)
 Ion 182.00 (181.70 to 182.70): VV016327.D (-3589) (-)
 Ion 184.00 (183.70 to 184.70): VV016327.D (-3589) (-)
 Ion 145.00 (144.70 to 145.70): VV016327.D (-3589) (-)

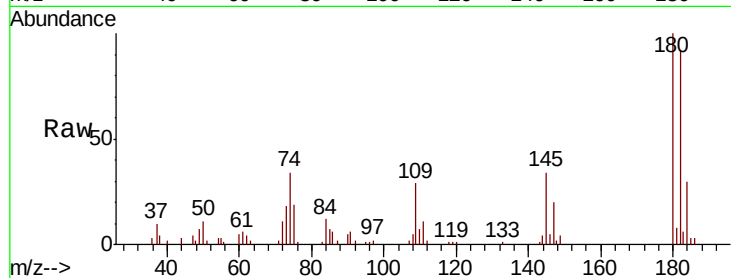




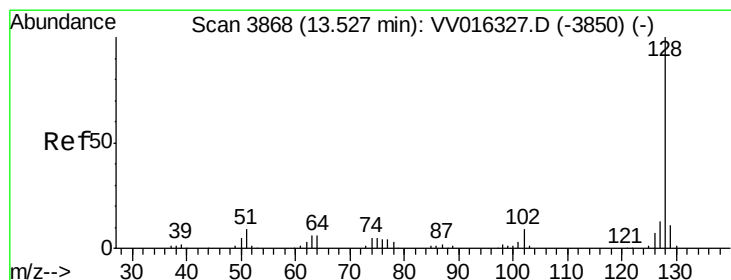
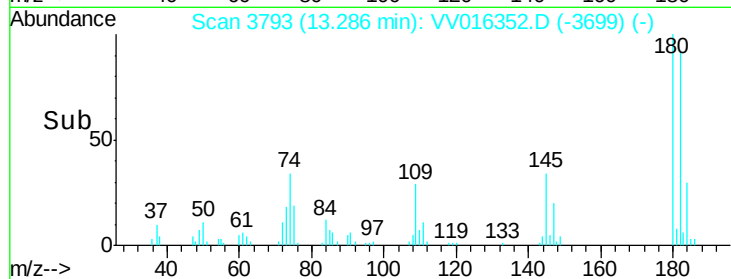
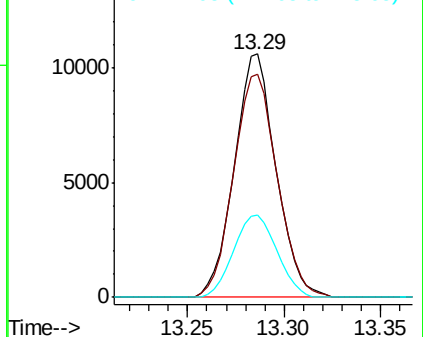
#69
 1,2,4-trichlorobenzene
 Concen: 2.678 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 15884
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.0 112.4
 145 35.1 27.1 40.7

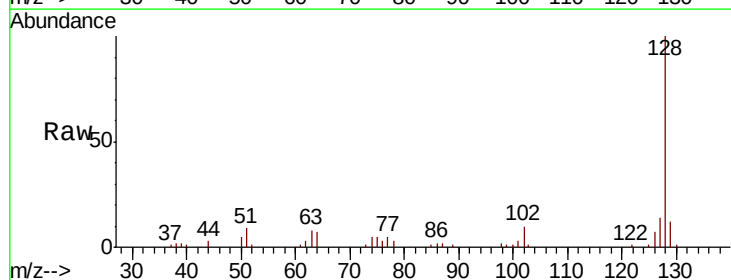


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

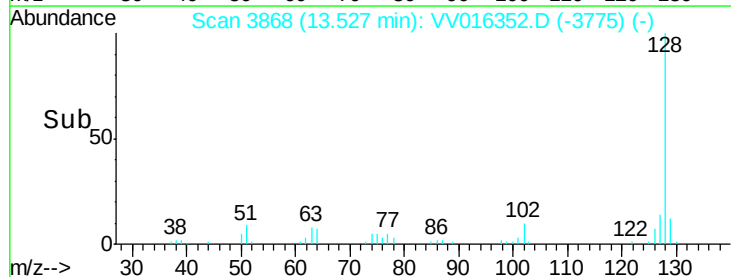
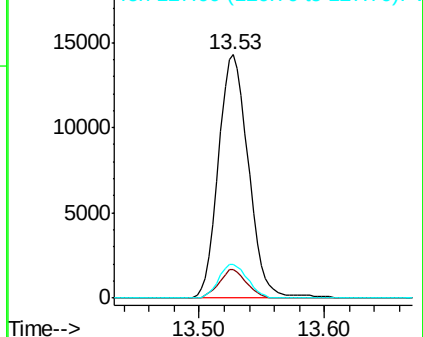


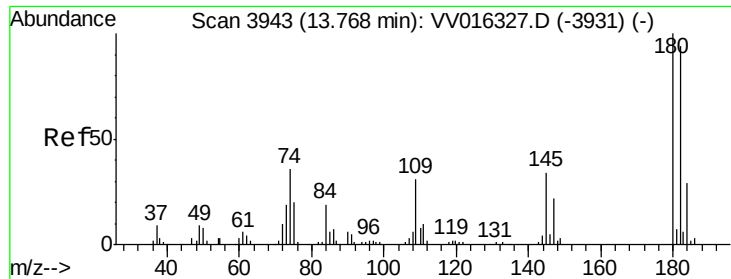
#70
 Naphthalene
 Concen: 1.832 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Tgt Ion:128 Resp: 23739
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.6 13.0
 127 13.2 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

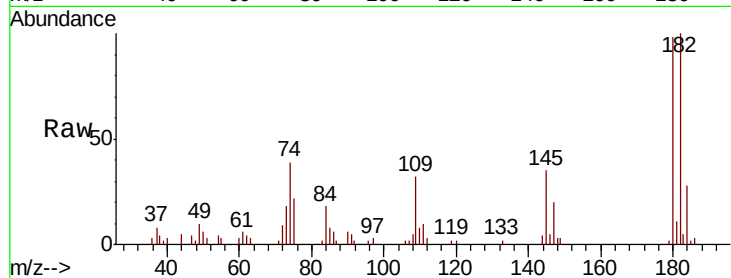




#71
 1,2,3-Trichlorobenzene
 Concen: 2.077 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016352.D
 Acq: 30 May 2020 08:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	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

