

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021920\
 Data File : VV014614.D
 Acq On : 19 Feb 2020 18:35
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Feb 20 02:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 20 02:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	20965	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	21749	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	10900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42925	55.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 1115.00%#	
7) Chloroethane-d5	1.58	69	34897	58.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 1179.40%#	
11) 1,1-Dichloroethene-d2	2.13	63	73052	50.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 1009.00%#	
20) 2-Butanone-d5	3.95	46	108515	669.61	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	= 1339.22%#	
24) Chloroform-d	4.40	84	101013	53.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 1076.60%#	
26) 1,2-Dichloroethane-d4	5.08	65	69754	59.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 1190.20%#	
32) Benzene-d6	5.09	84	301682	54.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 1082.40%#	
36) 1,2-Dichloropropane-d6	6.11	67	84829	53.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 1077.00%#	
41) Toluene-d8	7.35	98	286727	53.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 1068.00%#	
43) trans-1,3-Dichloropropene-	7.66	79	37299	55.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 1119.20%#	
46) 2-Hexanone-d5	8.13	63	134078	587.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 1175.10%#	
56) 1,1,2,2-Tetrachloroethane-	10.25	84	63398	54.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 1085.00%#	
66) 1,2-Dichlorobenzene-d4	11.67	152	103573	53.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 1075.00%#	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58232	28.795	ug/L 98
3) Chloromethane	1.25	50	25910	30.122	ug/L 97
5) Vinyl chloride	1.32	62	26492	29.370	ug/L 100
6) Bromomethane	1.53	94	15711	29.303	ug/L 98
8) Chloroethane	1.60	64	13774	29.232	ug/L 99
9) Trichlorofluoromethane	1.77	101	53485	29.275	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	21781	28.326	ug/L 99
12) 1,1-Dichloroethene	2.14	96	20550	29.921	ug/L # 57
13) Acetone	2.21	43	25233	267.516	ug/L 96
14) Carbon disulfide	2.31	76	112229	29.225	ug/L 99
15) Methyl Acetate	2.47	43	7690	22.615	ug/L 96
16) Methylene chloride	2.53	84	41343	28.820	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	89332	30.387	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	43561	30.557	ug/L 98
19) 1,1-Dichloroethane	3.23	63	69815	29.910	ug/L 98
21) 2-Butanone	4.04	43	52564	303.139	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	45220	29.875	ug/L 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021920\
 Data File : VV014614.D
 Acq On : 19 Feb 2020 18:35
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Feb 20 02:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 20 02:48:04 2020
 Response via : Initial Calibration

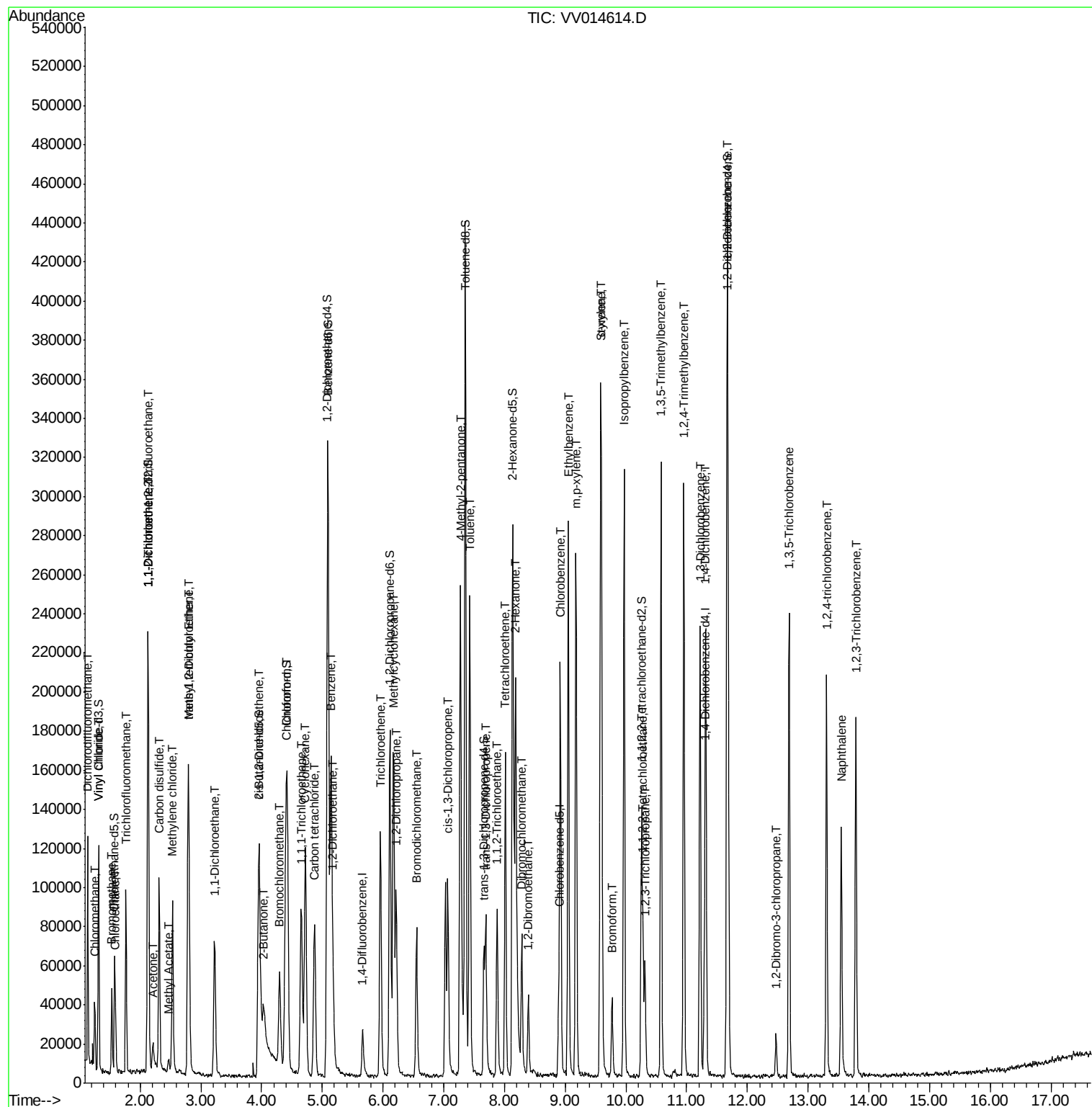
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	18076	28.680	ug/L	94
25) Chloroform	4.42	83	127237	38.440	ug/L	95
27) 1,2-Dichloroethane	5.18	62	41707	29.837	ug/L #	94
29) 1,1,1-Trichloroethane	4.65	97	70423	26.532	ug/L	99
30) Cyclohexane	4.72	56	64538	26.103	ug/L	97
31) Carbon tetrachloride	4.87	117	59828	25.991	ug/L	99
33) Benzene	5.14	78	164934	27.385	ug/L	100
34) Trichloroethene	5.96	95	44541	26.004	ug/L	95
35) Methylcyclohexane	6.17	83	75532	26.533	ug/L	99
37) 1,2-Dichloropropane	6.22	63	34811	24.936	ug/L	98
38) Bromodichloromethane	6.55	83	52984	26.557	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	63046	28.083	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	196560	290.032	ug/L	95
42) Toluene	7.43	91	180612	27.378	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	48299	26.988	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	28715	27.450	ug/L	98
47) Tetrachloroethene	8.02	164	36146	26.741	ug/L	97
48) 2-Hexanone	8.19	43	136412	279.747	ug/L	99
49) Dibromochloromethane	8.29	129	36618	27.037	ug/L	96
50) 1,2-Dibromoethane	8.39	107	28393	28.538	ug/L	98
51) Chlorobenzene	8.92	112	115066	26.438	ug/L	96
52) Ethylbenzene	9.05	91	201822	26.870	ug/L	100
53) m,p-xylene	9.18	106	78926	27.460	ug/L	100
54) o-xylene	9.58	106	75883	27.492	ug/L	90
55) Styrene	9.60	104	124647	27.343	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	32583	27.375	ug/L	96
59) Bromoform	9.77	173	18216	26.413	ug/L #	98
60) Isopropylbenzene	9.97	105	202463	26.877	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	24146	28.034	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	173592	27.612	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	169601	27.500	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	93311	26.419	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	90858	26.190	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	85621	27.610	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	5244	25.773	ug/L	88
69) 1,3,5-Trichlorobenzene	12.69	180	69333	26.625	ug/L	100
70) 1,2,4-trichlorobenzene	13.30	180	60691	27.822	ug/L	99
71) Naphthalene	13.55	128	102574	27.813	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	54630	28.594	ug/L	99

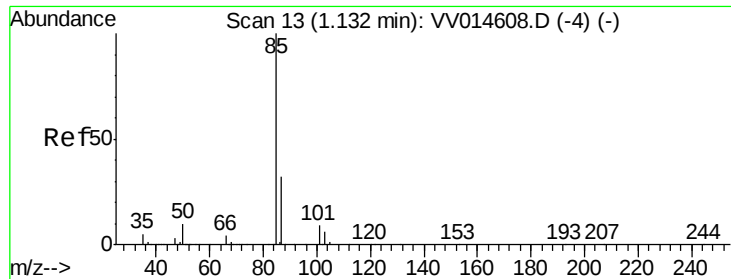
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV021920\
 Data File : VV014614.D
 Acq On : 19 Feb 2020 18:35
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Feb 20 02:51:23 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 20 02:48:04 2020
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 28.795 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

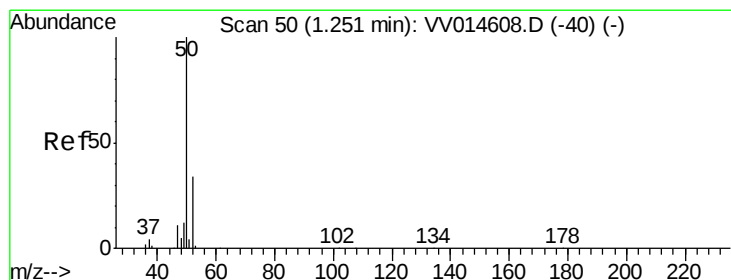
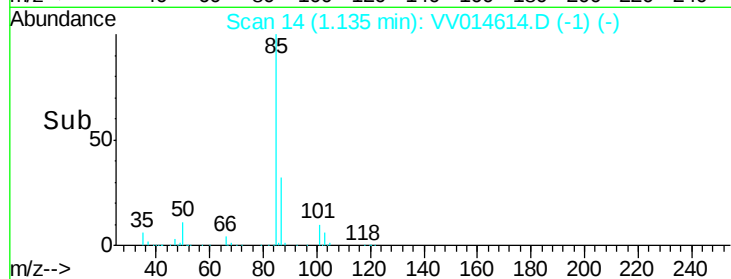
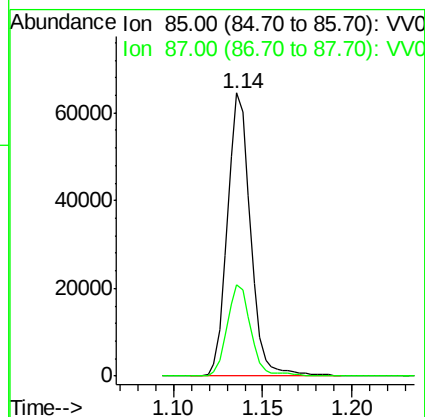
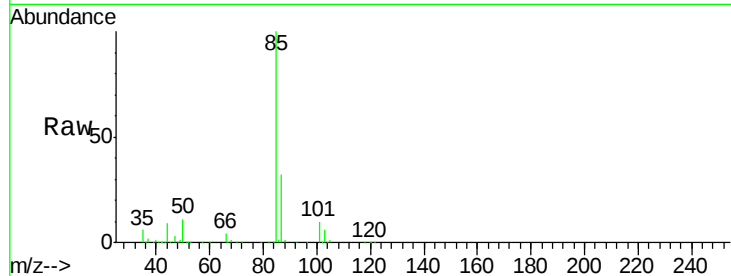
MDL01

Tot Ion: 85 Resp: 58232

Ion Ratio Lower Upper

85 100

87 33.1 25.7 38.5



#3

Chloromethane

Concen: 30.122 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014614.D

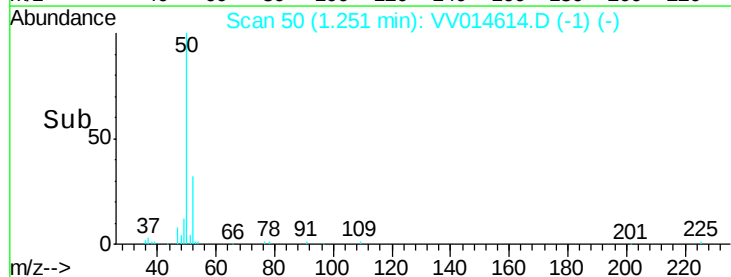
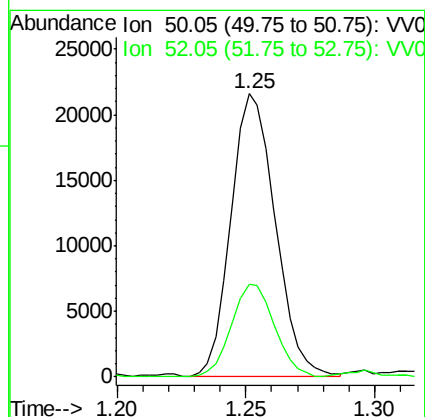
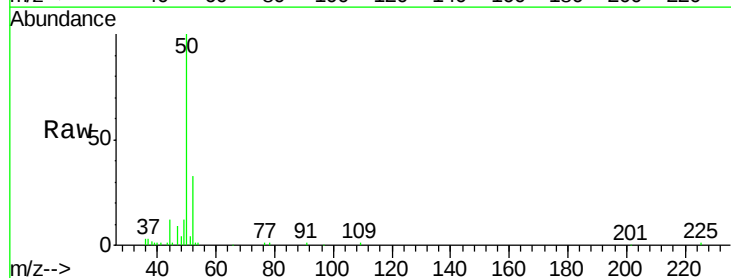
Acq: 19 Feb 2020 18:35

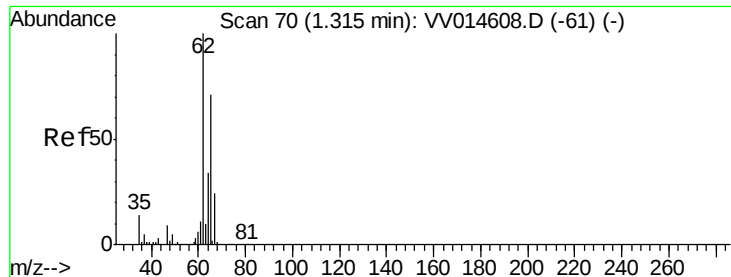
Tgt Ion: 50 Resp: 25910

Ion Ratio Lower Upper

50 100

52 32.7 24.2 45.0





#5

Vinyl chloride

Concen: 29.370 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

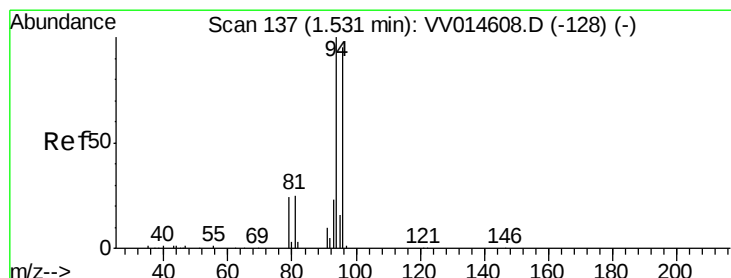
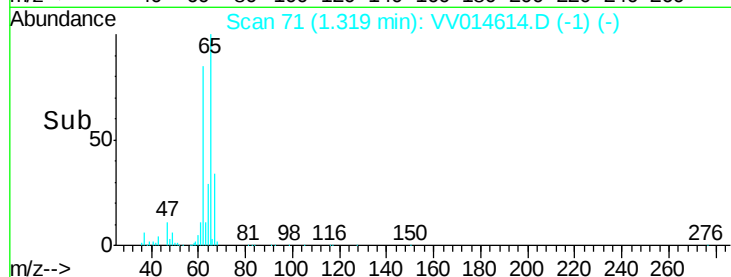
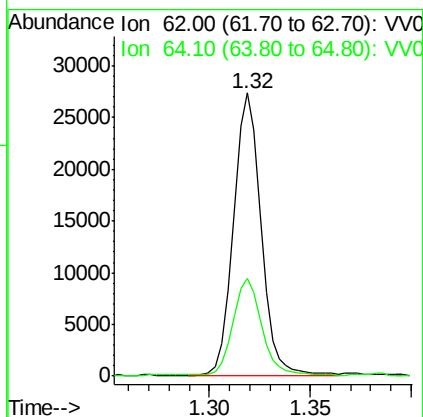
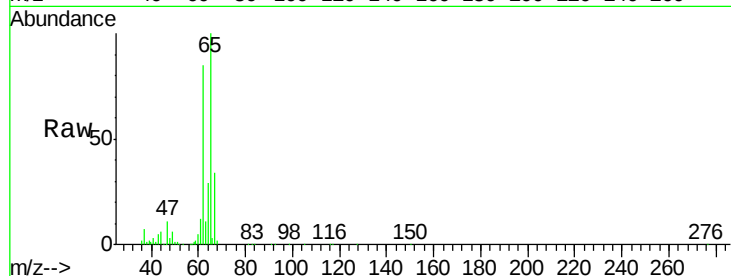
MDL01

Tot Ion: 62 Resp: 26492

Ion Ratio Lower Upper

62 100

64 34.5 24.3 45.1



#6

Bromomethane

Concen: 29.303 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014614.D

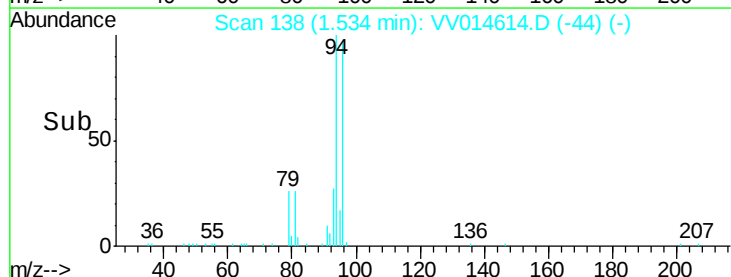
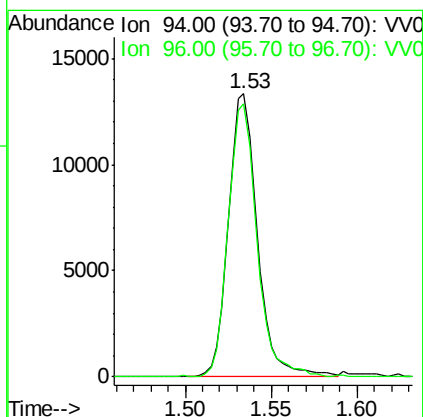
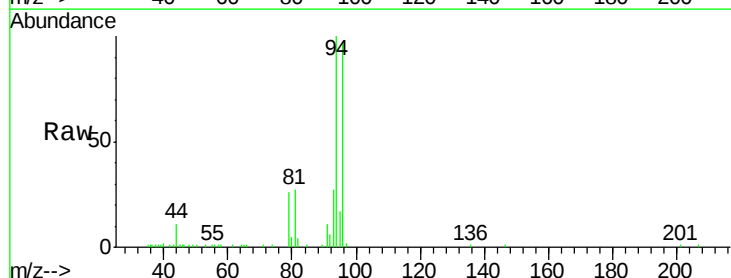
Acq: 19 Feb 2020 18:35

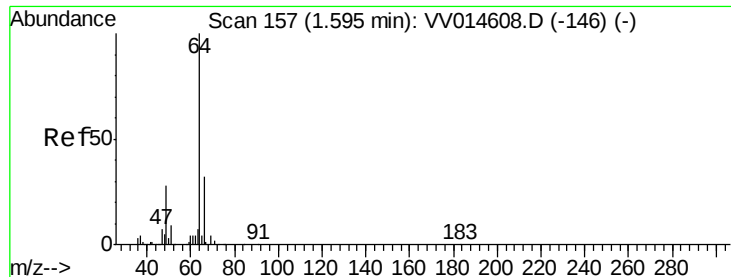
Tgt Ion: 94 Resp: 15711

Ion Ratio Lower Upper

94 100

96 96.6 66.4 123.2





#8

Chloroethane

Concen: 29.232 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

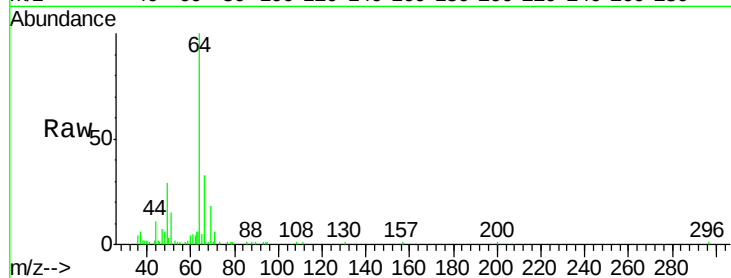
MDL01

Tot Ion: 64 Resp: 13774

Ion Ratio Lower Upper

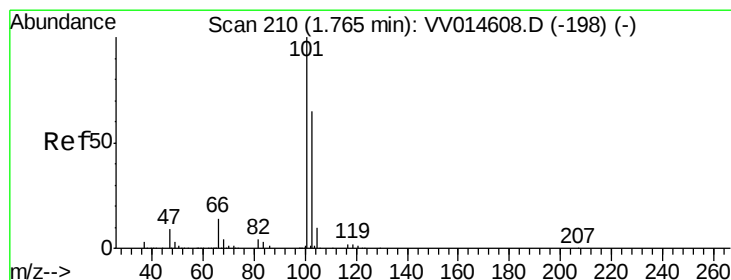
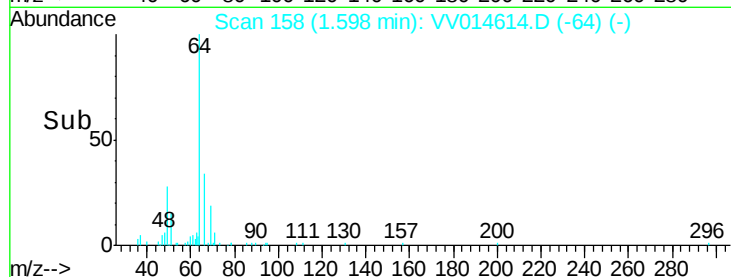
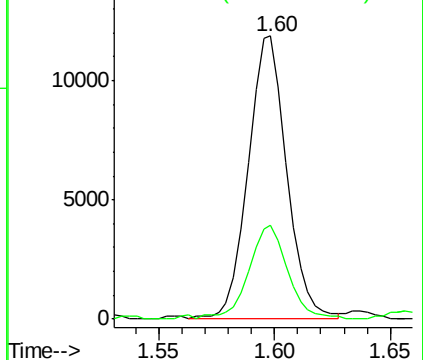
64 100

66 33.2 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV014614.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV014614.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 29.275 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014614.D

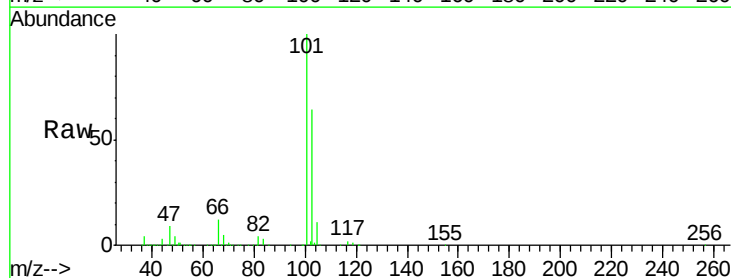
Acq: 19 Feb 2020 18:35

Tgt Ion: 101 Resp: 53485

Ion Ratio Lower Upper

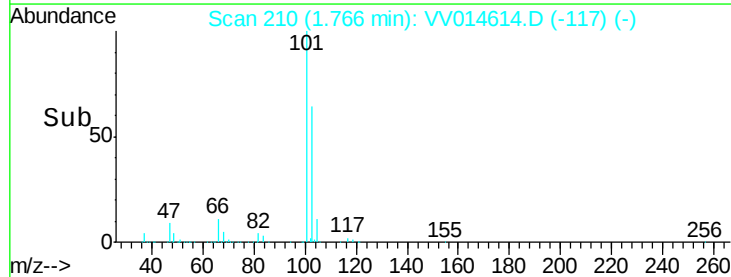
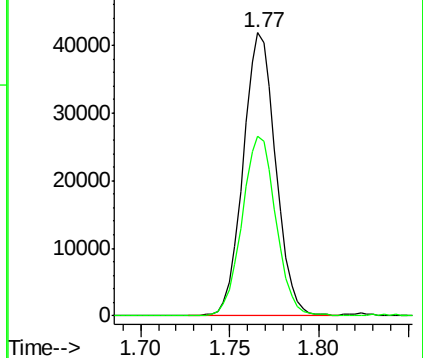
101 100

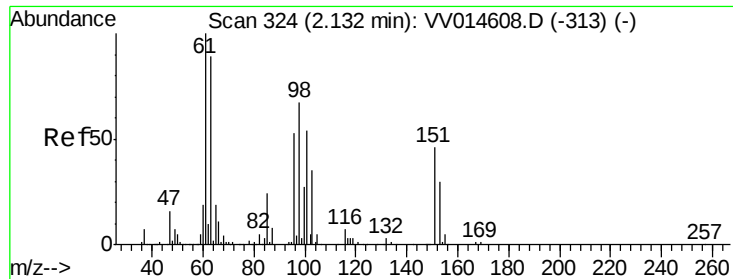
103 65.8 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV014614.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV014614.D (-103) (-)





#10

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

Concen: 28.326 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

MDL01

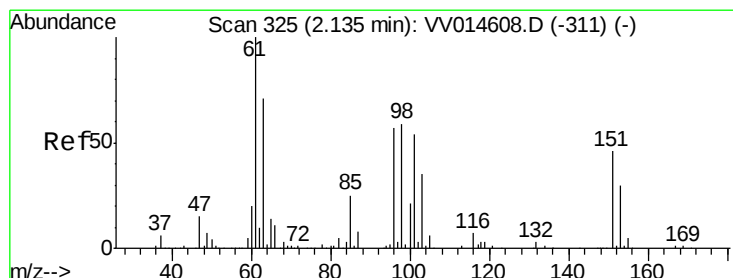
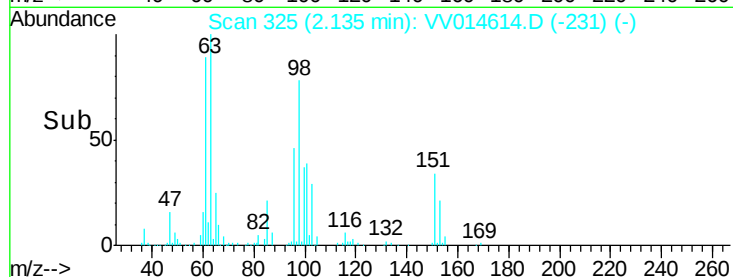
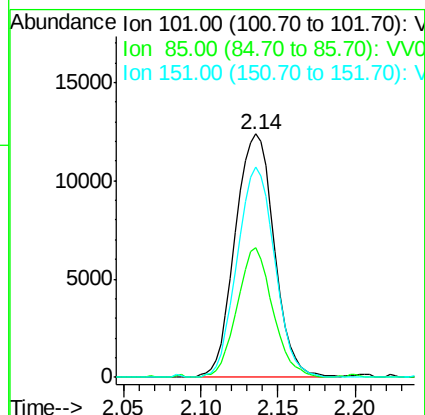
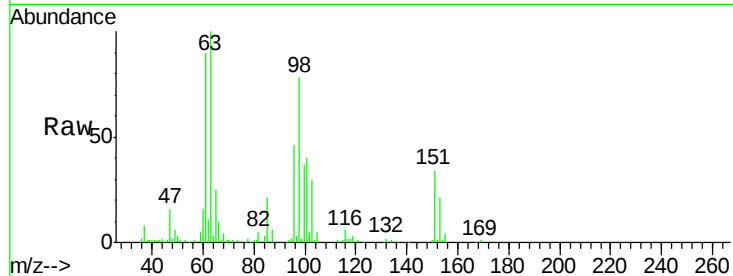
Tot Ion:101 Resp: 21781

Ion Ratio Lower Upper

101 100

85 48.6 37.3 55.9

151 83.1 66.3 99.5



#12

1,1-Dichloroethene

Concen: 29.921 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

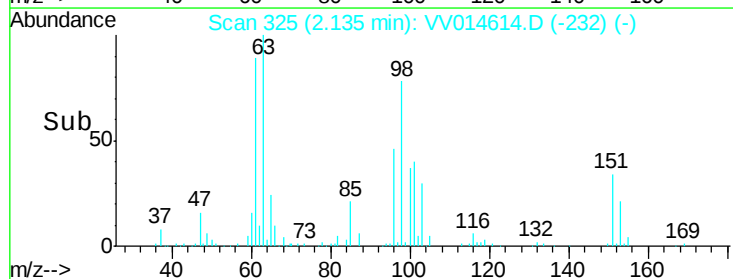
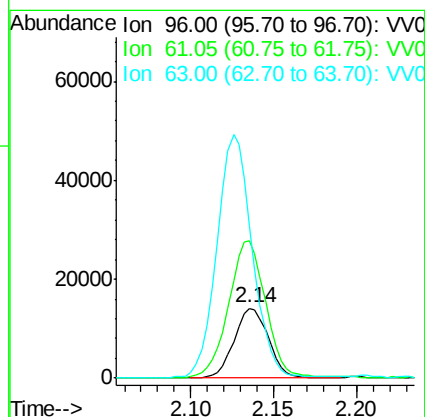
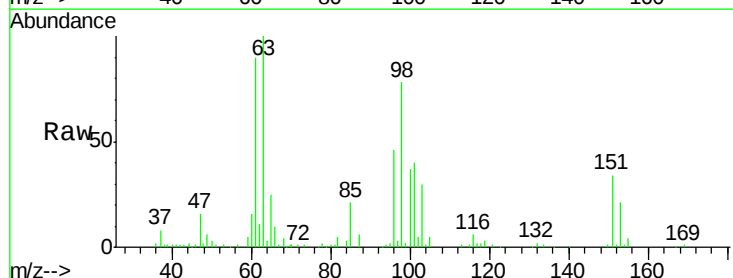
Tgt Ion: 96 Resp: 20550

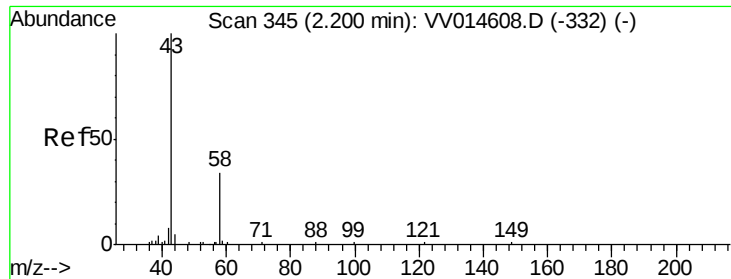
Ion Ratio Lower Upper

96 100

61 196.1 122.4 227.2

63 218.5 86.9 161.5#





#13

Acetone

Concen: 267.516 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

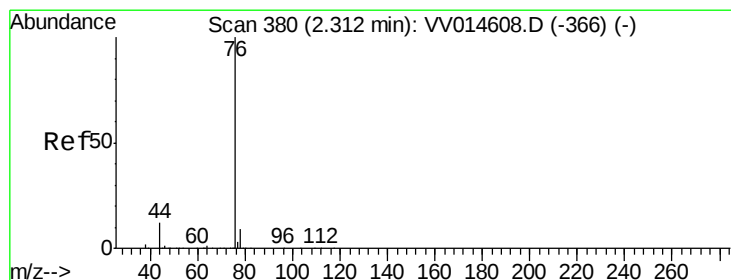
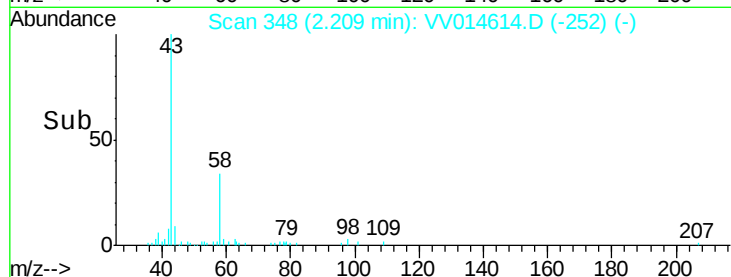
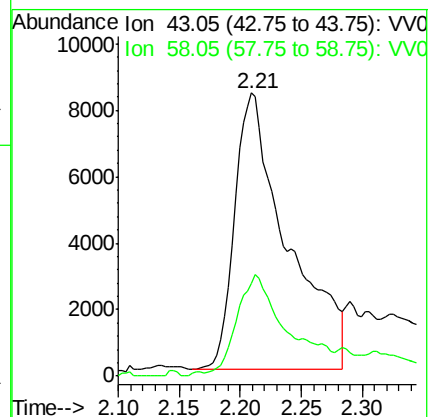
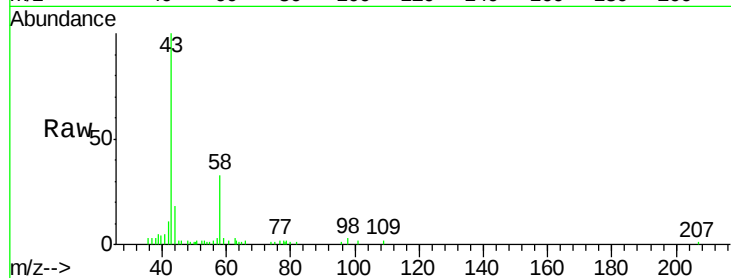
MDL01

Tot Ion: 43 Resp: 25233

Ion Ratio Lower Upper

43 100

58 33.3 0.0 61.8



#14

Carbon disulfide

Concen: 29.225 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014614.D

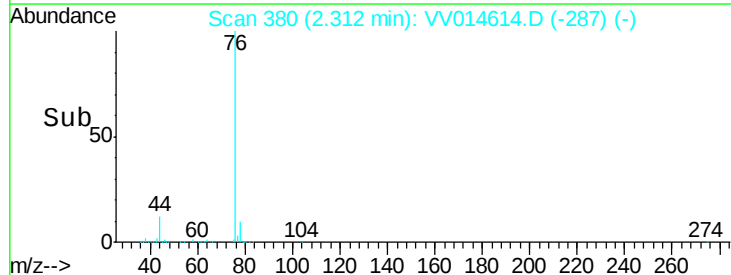
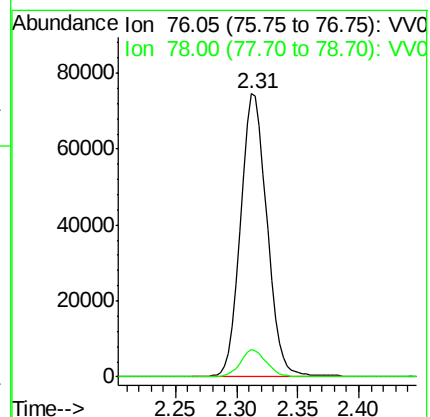
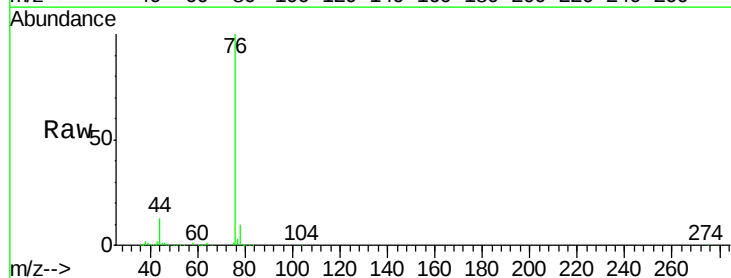
Acq: 19 Feb 2020 18:35

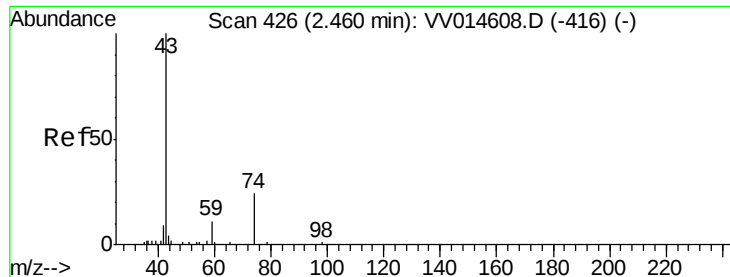
Tgt Ion: 76 Resp: 112229

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

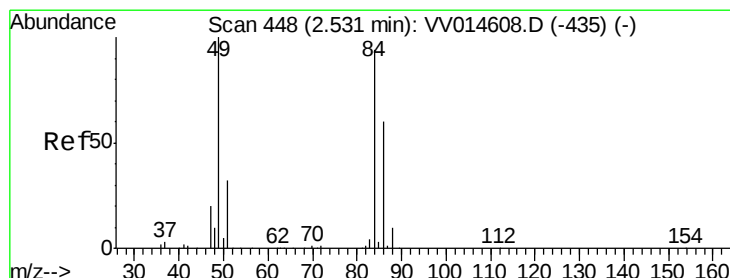
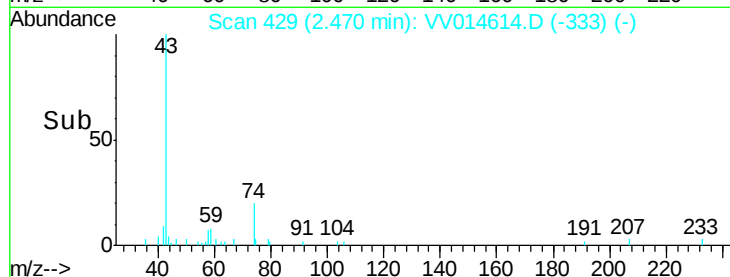
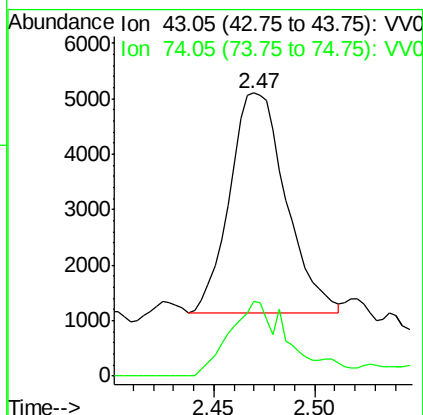
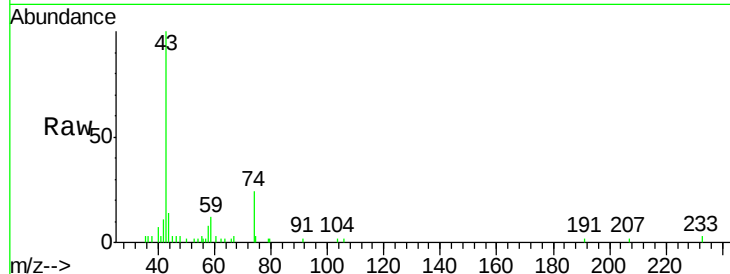




#15
Methvl Acetate
Concen: 22.615 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

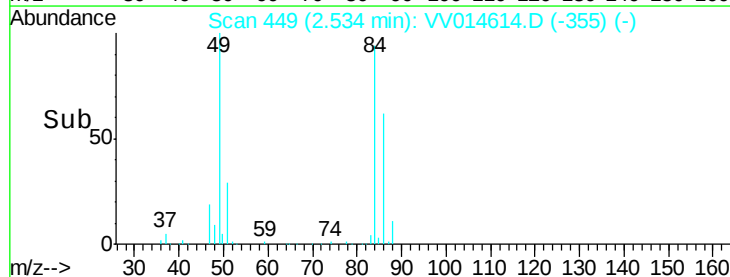
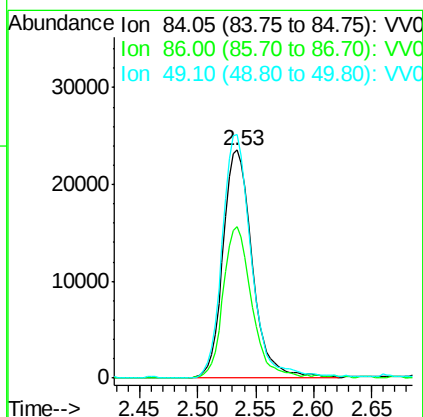
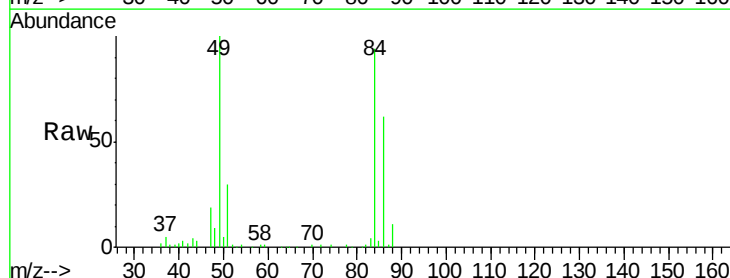
Instrument :
MSVOA_V
ClientSampled :
MDL01

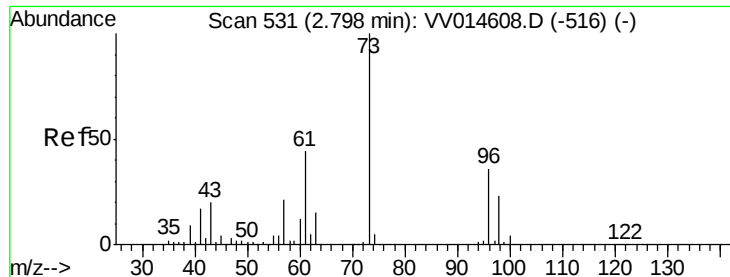
Tot Ion: 43 Resp: 7690
Ion Ratio Lower Upper
43 100
74 33.7 25.0 37.6



#16
Methylene chloride
Concen: 28.820 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Tgt Ion: 84 Resp: 41343
Ion Ratio Lower Upper
84 100
86 66.2 44.8 83.2
49 106.8 74.8 139.0



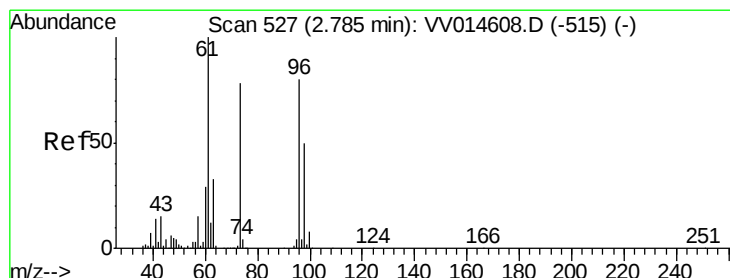
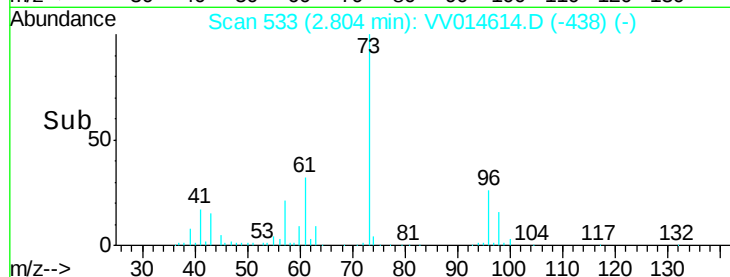
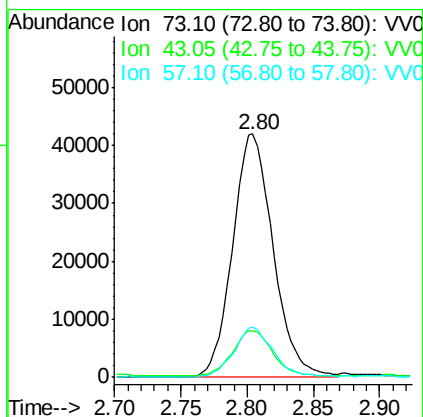
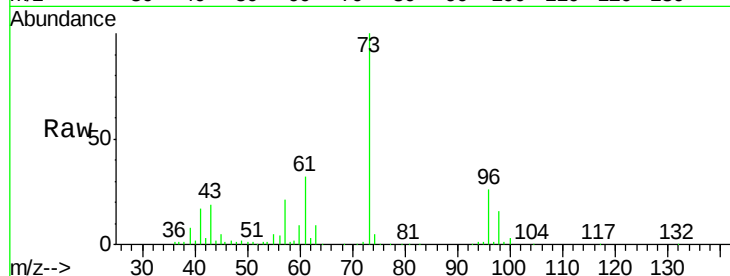


#17

Methvl tert-butvl Ether
Concen: 30.387 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Instrument :
MSVOA_V
ClientSampled :
MDL01

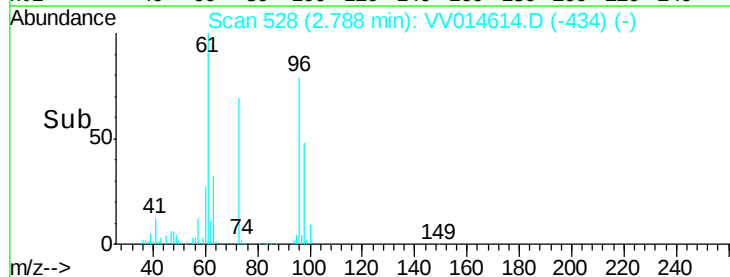
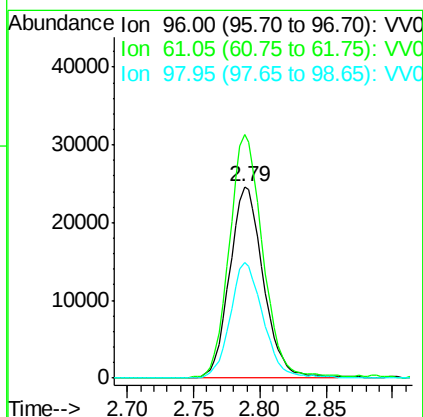
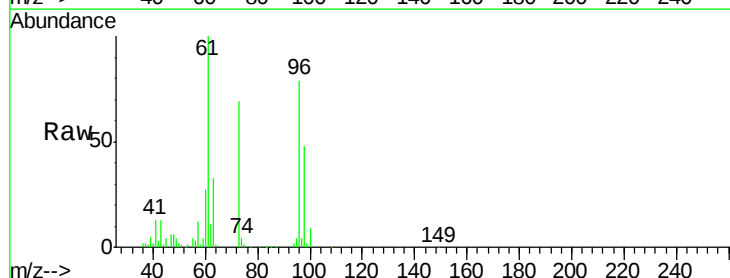
Tot Ion	73	Resp	89332
Ion Ratio	Lower	Upper	
73	100		
43	18.1	15.1	22.7
57	20.2	16.0	24.0

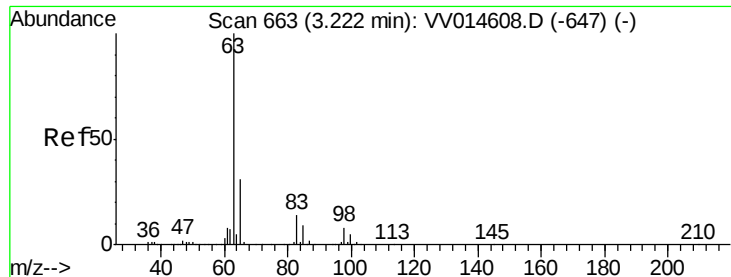


#18

trans-1,2-Dichloroethene
Concen: 30.557 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Tgt Ion	96	Resp	43561
Ion Ratio	Lower	Upper	
96	100		
61	127.1	87.2	162.0
98	60.5	43.4	80.6

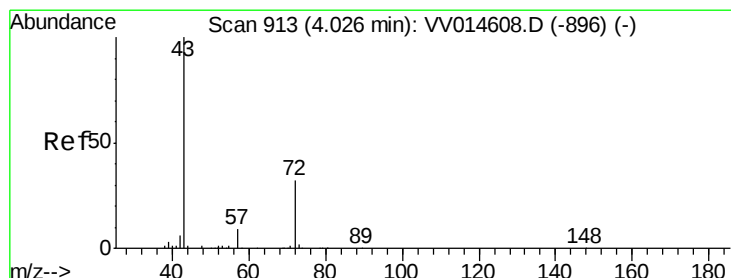
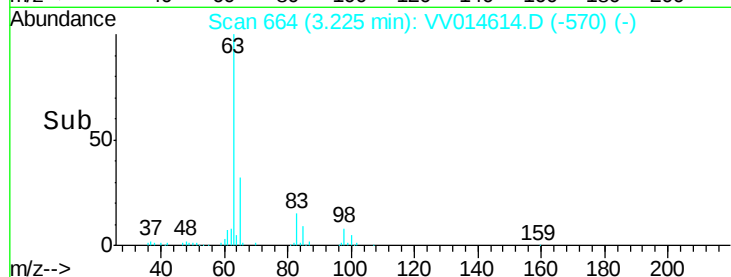
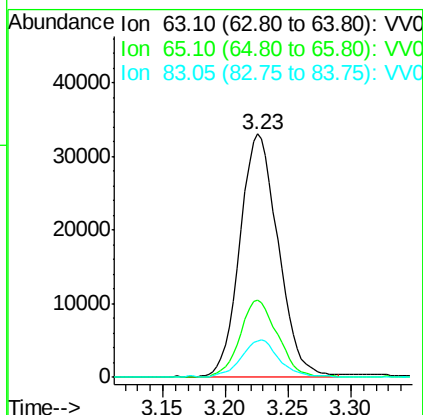
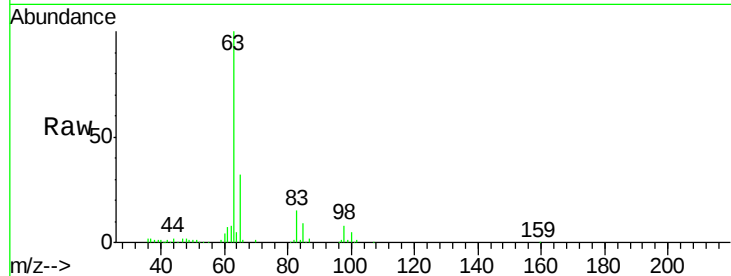




#19
 1,1-Dichloroethane
 Concen: 29.910 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

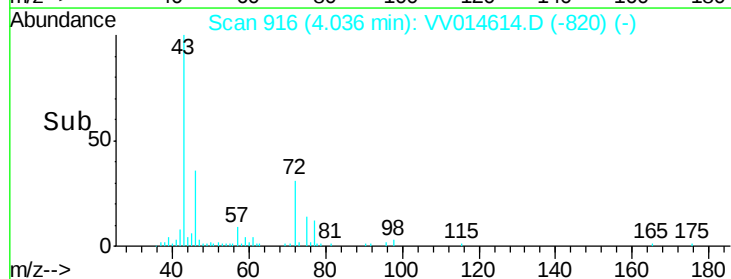
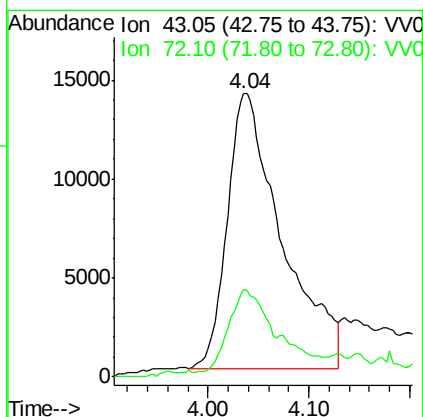
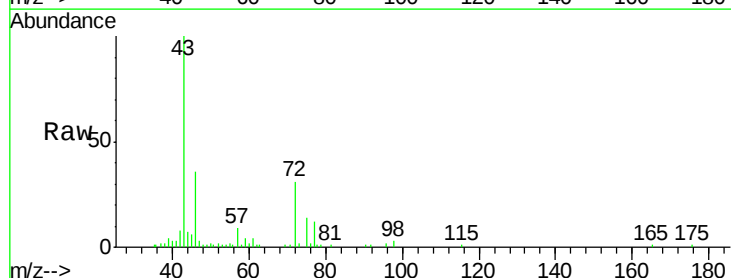
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

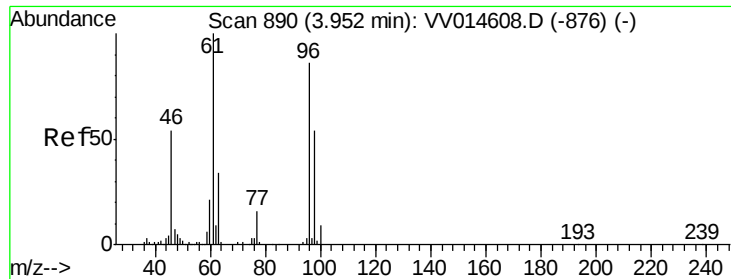
Tot Ion: 63 Resp: 69815
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.4 39.8
 83 14.8 10.0 18.6



#21
 2-Butanone
 Concen: 303.139 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 43 Resp: 52564
 Ion Ratio Lower Upper
 43 100
 72 20.3 11.5 34.5

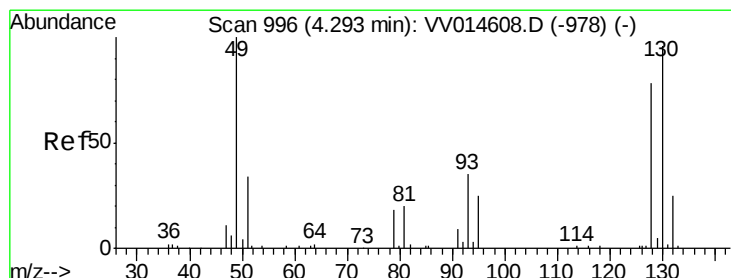
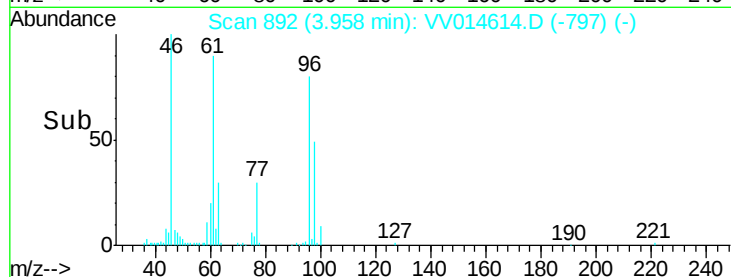
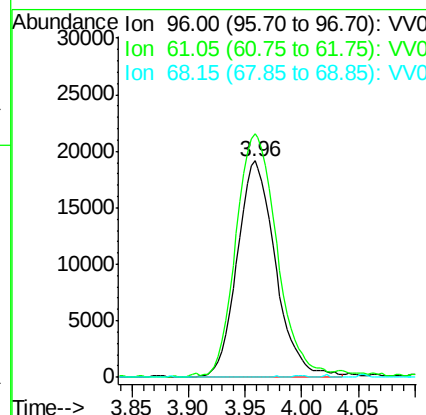
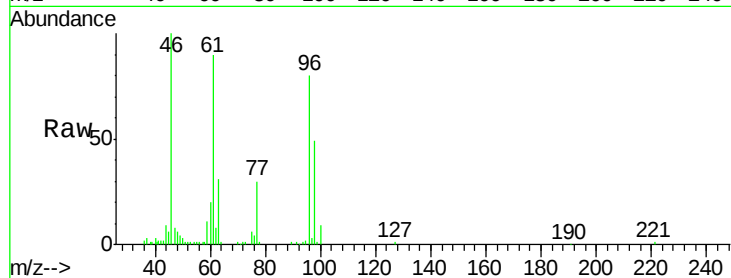




#22
 cis-1,2-Dichloroethene
 Concen: 29.875 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

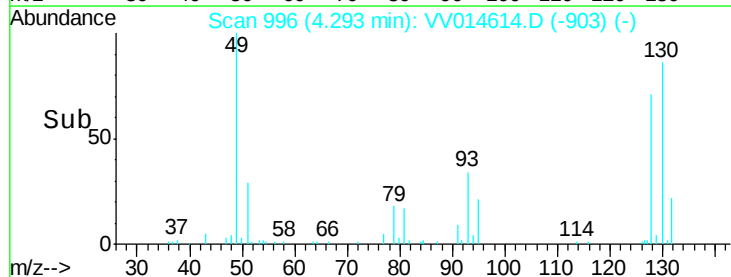
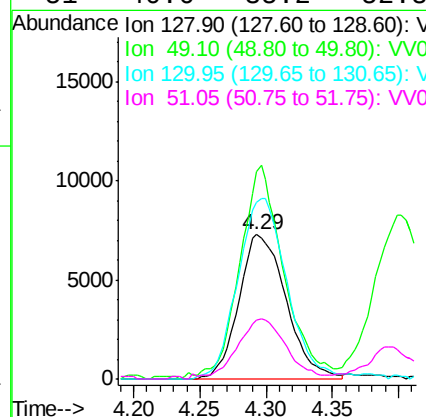
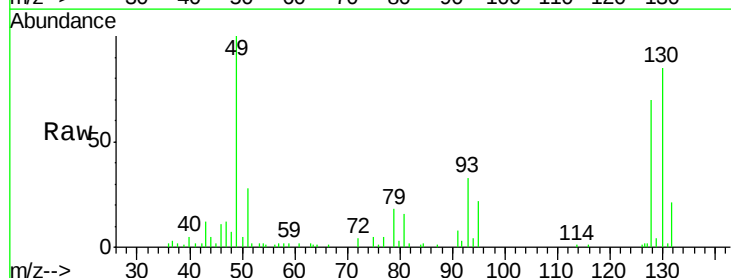
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

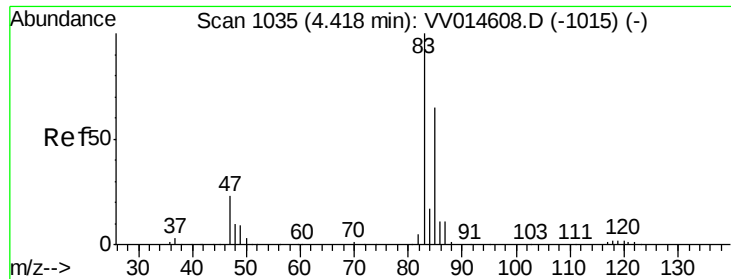
Tot Ion: 96 Resp: 45220
 Ion Ratio Lower Upper
 96 100
 61 112.6 81.5 151.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 28.680 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 128 Resp: 18076
 Ion Ratio Lower Upper
 128 100
 49 143.3 90.2 167.4
 130 122.3 85.6 159.0
 51 40.6 35.2 52.8

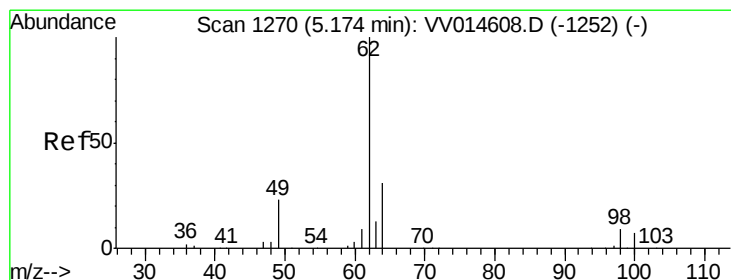
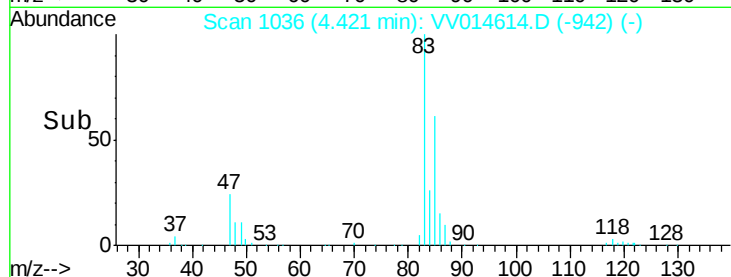
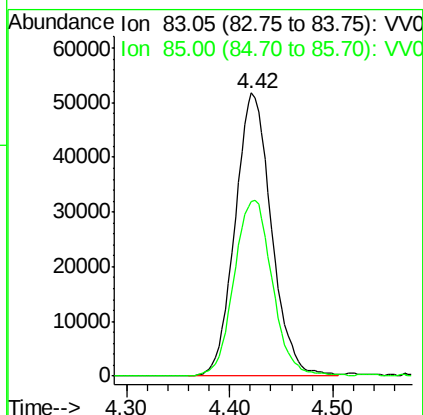
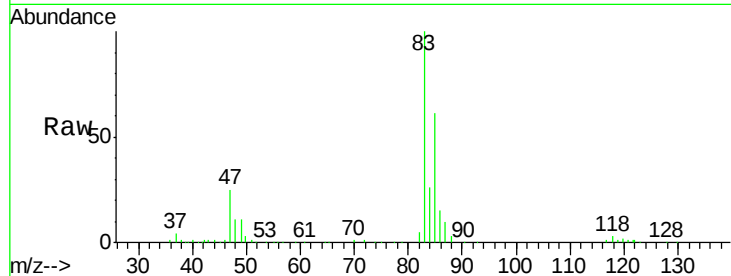




#25
Chloroform
Concen: 38.440 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

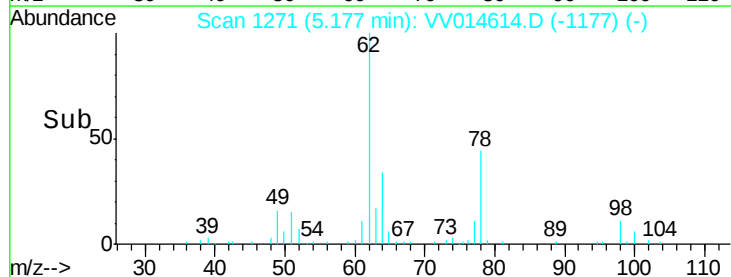
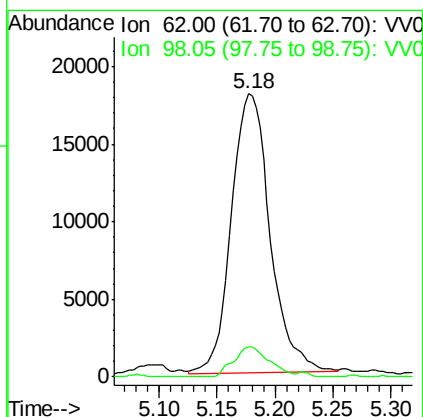
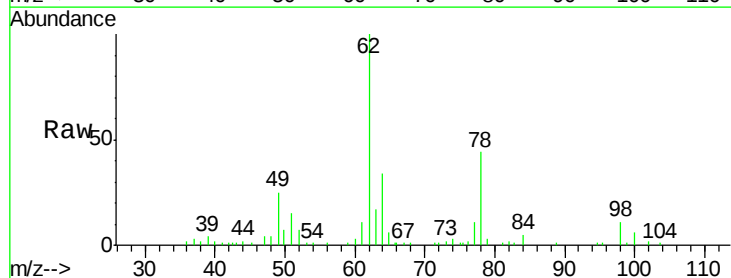
Instrument :
MSVOA_V
ClientSampleId :
MDL01

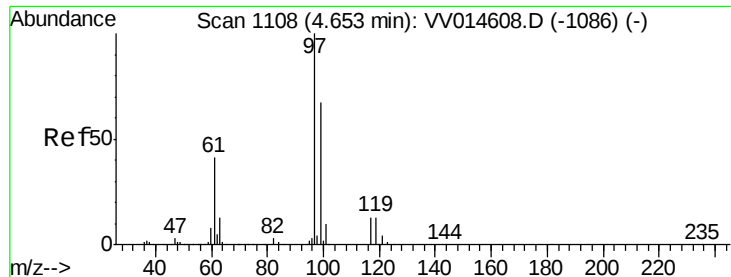
Tot Ion: 83 Resp: 127237
Ion Ratio Lower Upper
83 100
85 61.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 29.837 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Tgt Ion: 62 Resp: 41707
Ion Ratio Lower Upper
62 100
98 10.8 7.0 10.4#

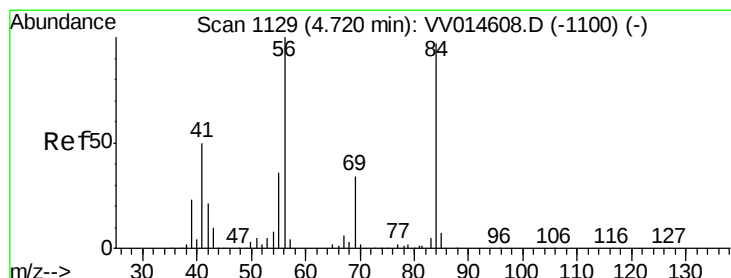
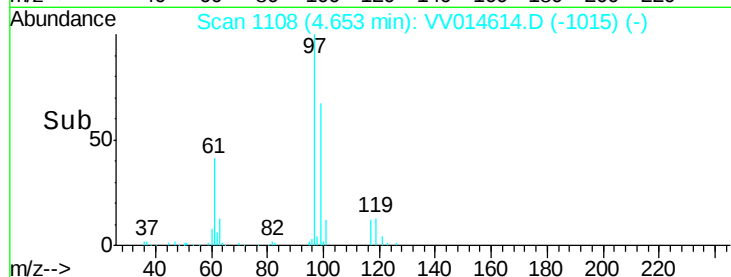
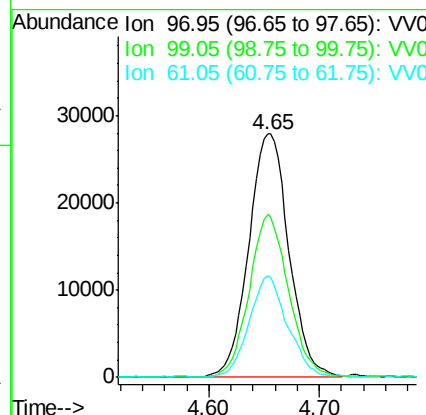
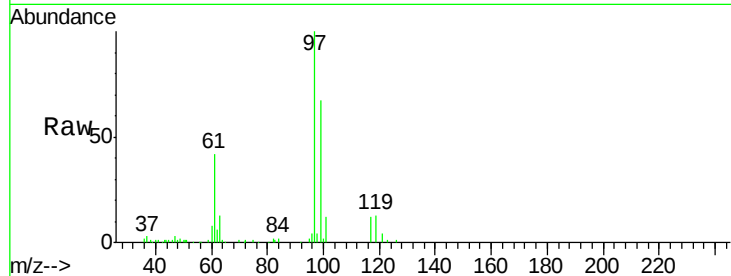




#29
 1,1,1-Trichloroethane
 Concen: 26.532 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

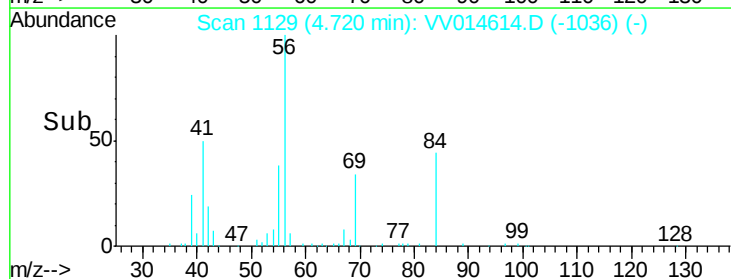
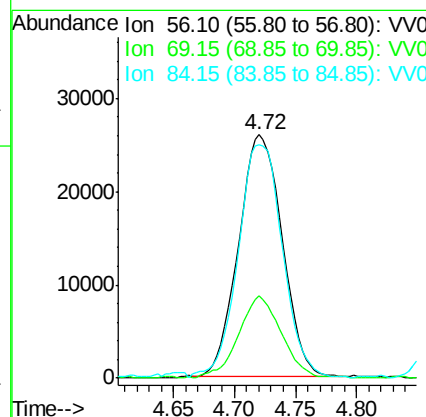
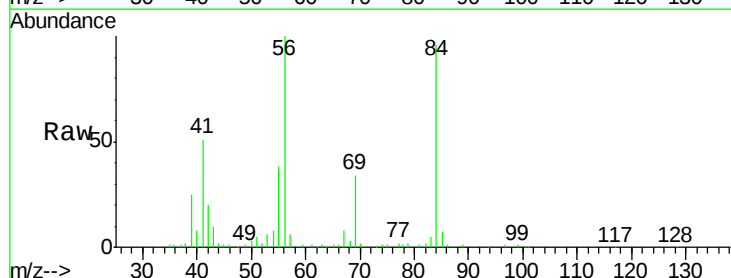
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

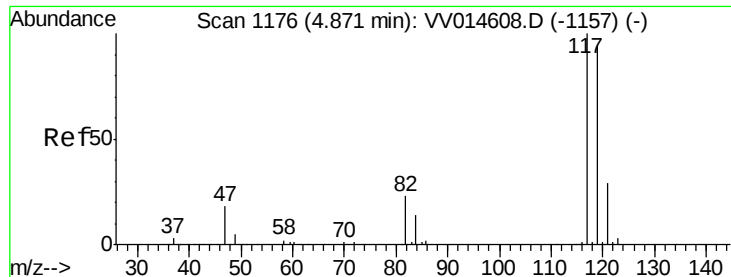
Tot Ion: 97 Resp: 70423
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.1 78.1
 61 40.1 32.8 49.2



#30
 Cyclohexane
 Concen: 26.103 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 56 Resp: 64538
 Ion Ratio Lower Upper
 56 100
 69 33.1 26.7 40.1
 84 98.5 75.9 113.9



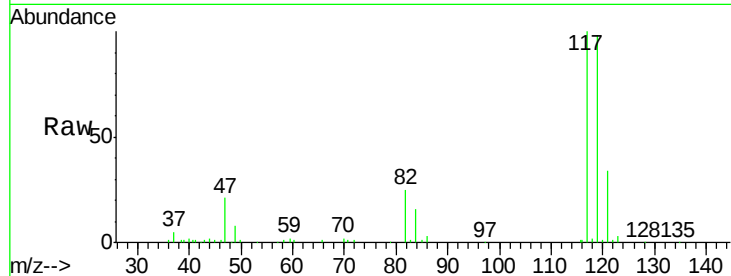


#31

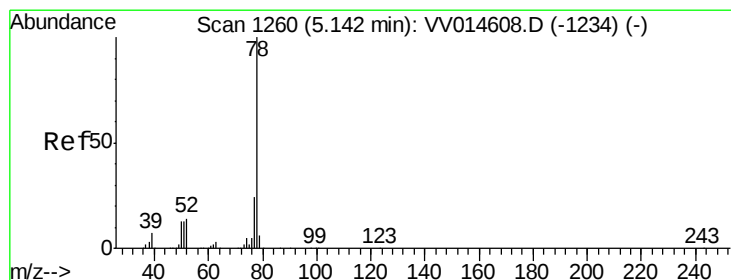
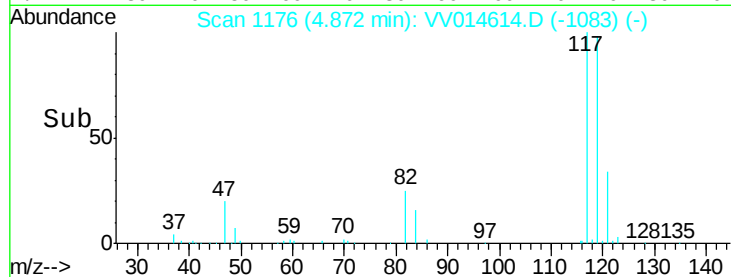
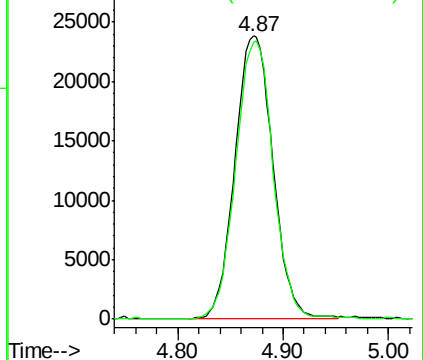
Carbon tetrachloride
 Concen: 25.991 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tot Ion:117 Resp: 59828
 Ion Ratio Lower Upper
 117 100
 119 96.6 76.5 114.7



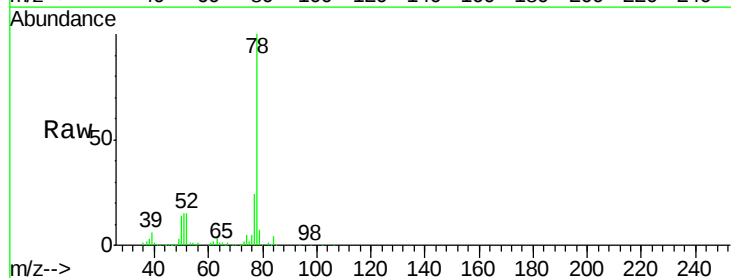
Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V



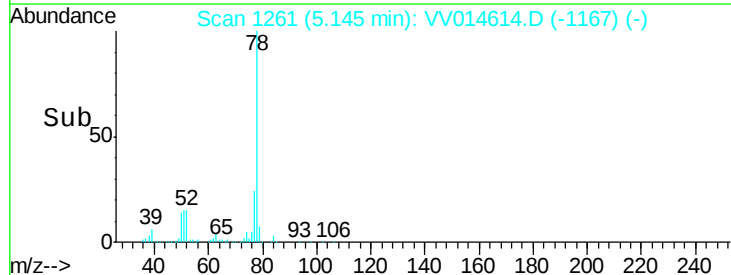
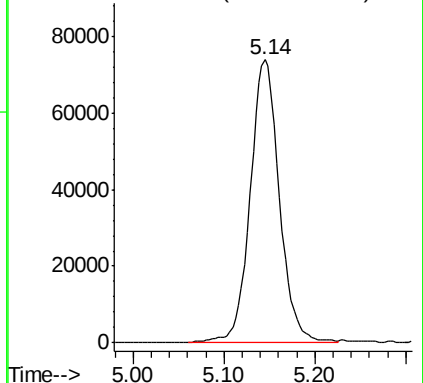
#33

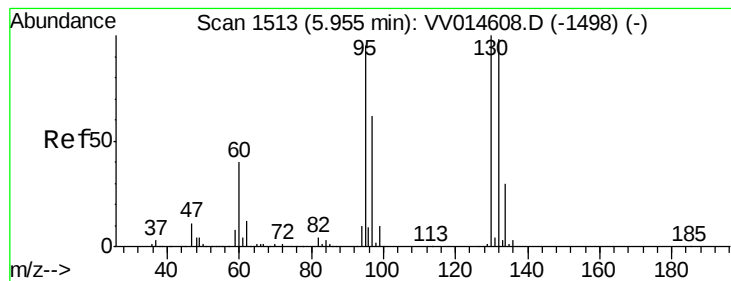
Benzene
 Concen: 27.385 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 78 Resp: 164934



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 26.004 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 95 Resp: 44541

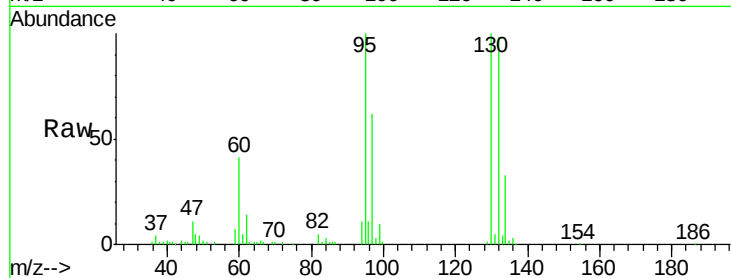
Ion Ratio Lower Upper

95 100

97 62.0 45.4 84.2

132 97.9 72.4 134.4

130 100.3 73.7 136.9

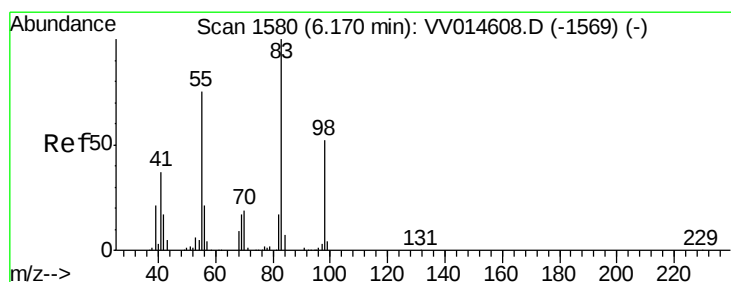
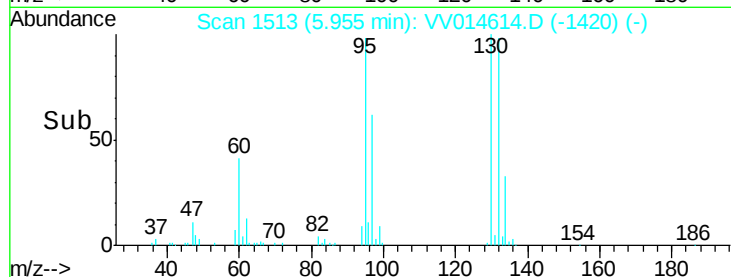
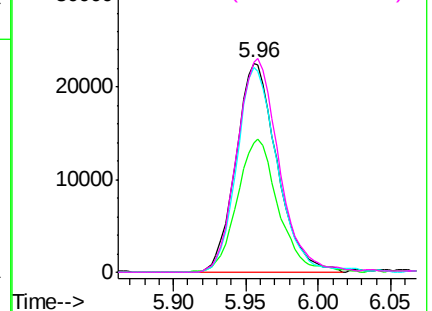


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 26.533 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

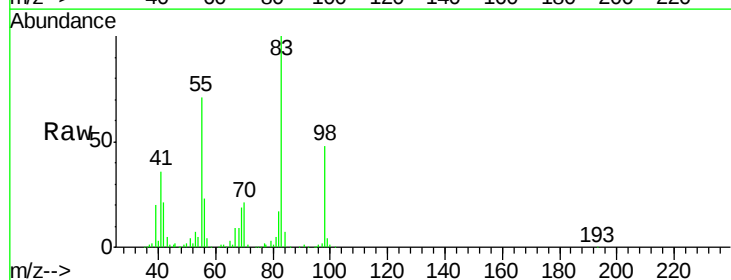
Tgt Ion: 83 Resp: 75532

Ion Ratio Lower Upper

83 100

55 70.8 57.1 85.7

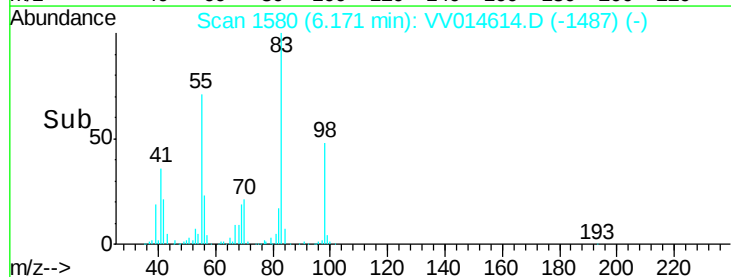
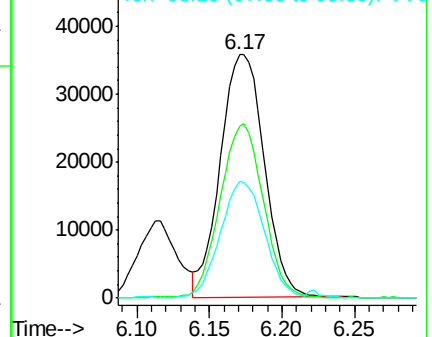
98 48.4 40.2 60.2

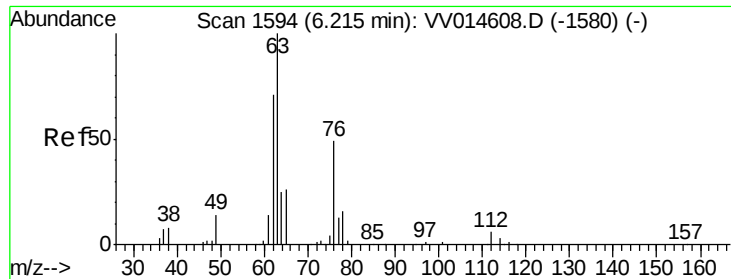


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

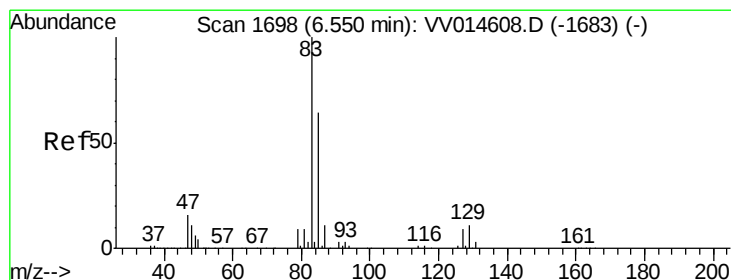
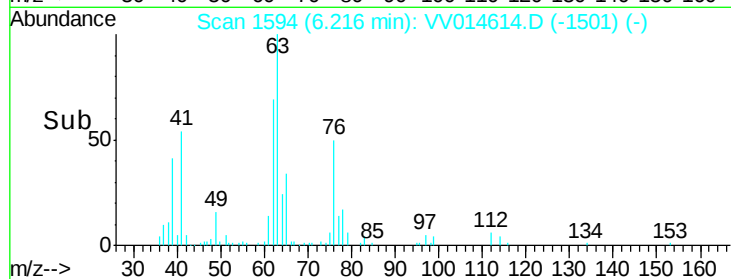
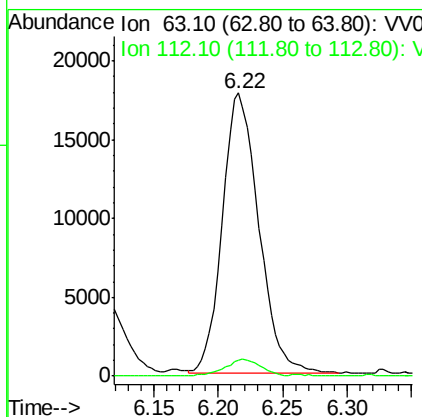
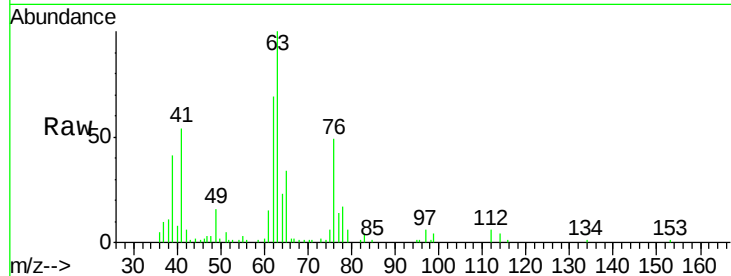




#37
 1,2-Dichloropropane
 Concen: 24.936 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

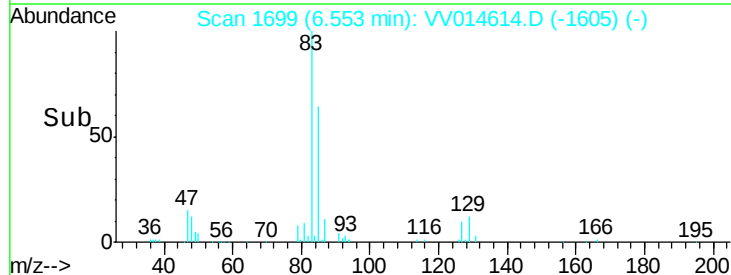
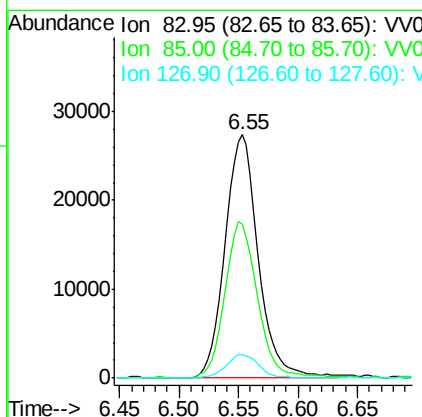
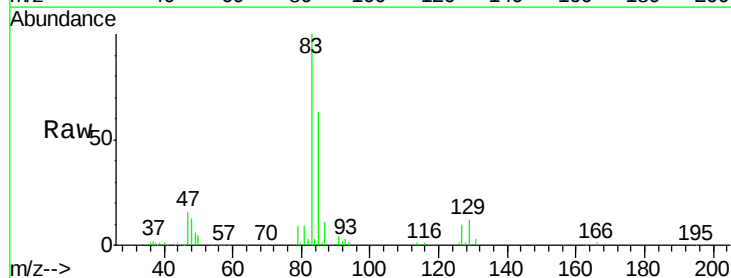
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

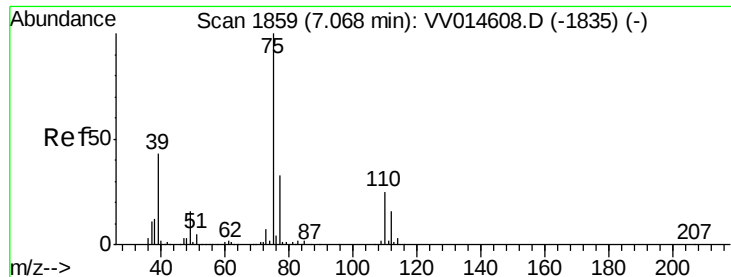
Tot Ion: 63 Resp: 34811
 Ion Ratio Lower Upper
 63 100
 112 6.1 4.3 6.5



#38
 Bromodichloromethane
 Concen: 26.557 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 83 Resp: 52984
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.2 84.0
 127 9.6 7.0 10.6

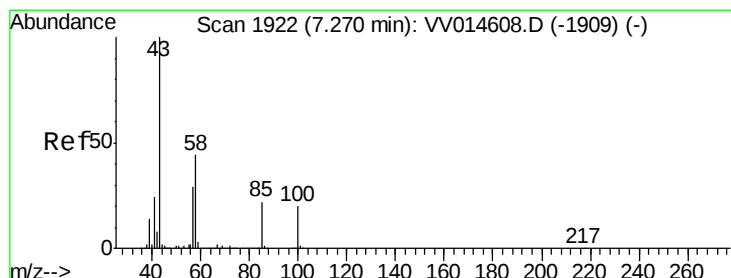
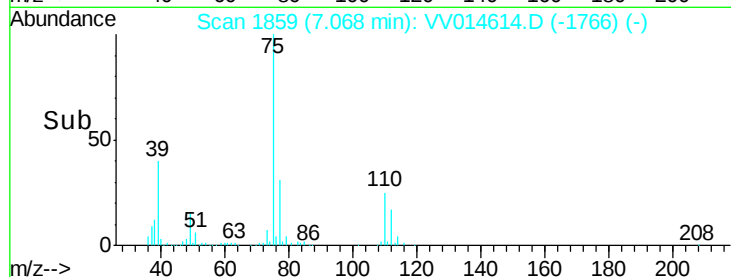
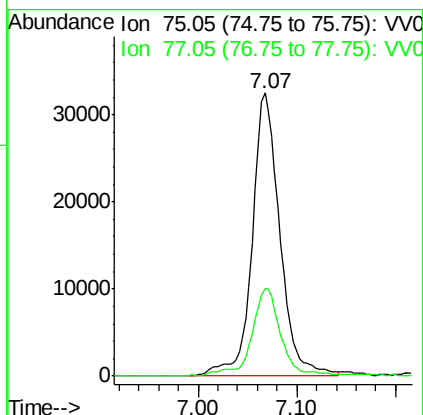
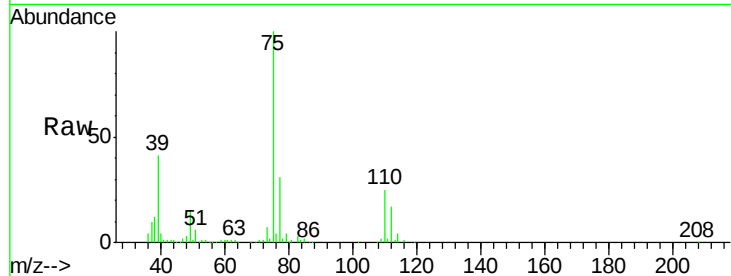




#39
 cis-1,3-Dichloropropene
 Concen: 28.083 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

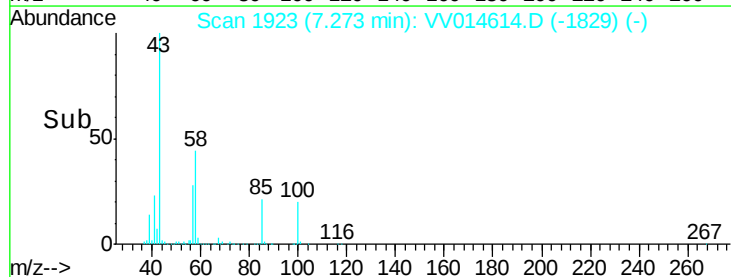
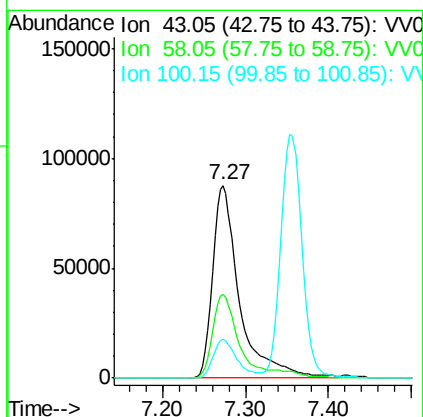
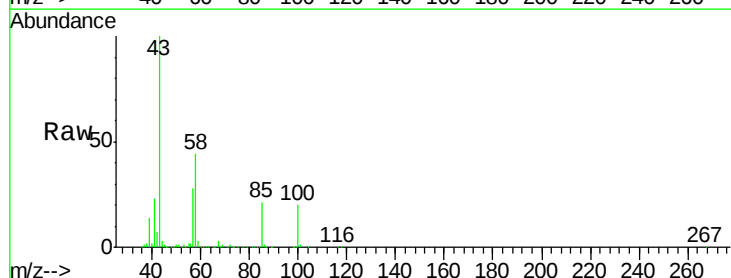
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

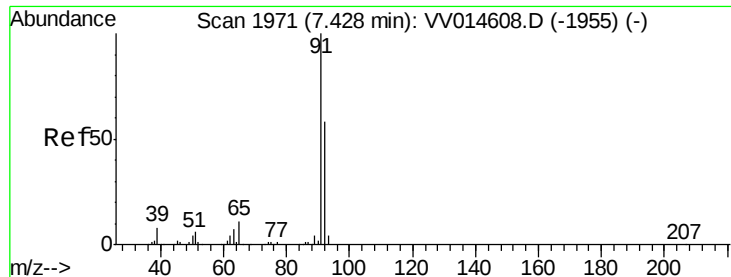
Tot Ion: 75 Resp: 63046
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 290.032 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 43 Resp: 196560
 Ion Ratio Lower Upper
 43 100
 58 41.1 36.2 54.2
 100 18.0 14.7 22.1





#42

Toluene

Concen: 27.378 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

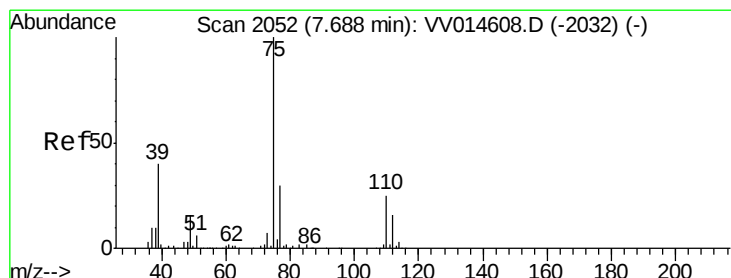
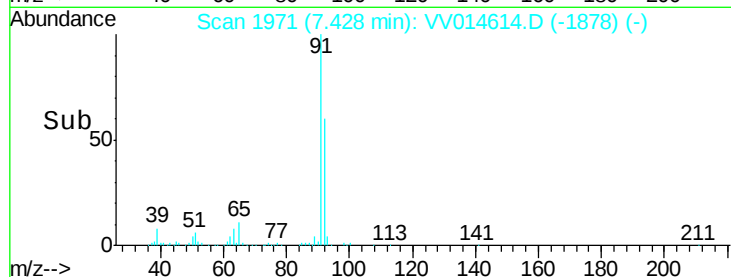
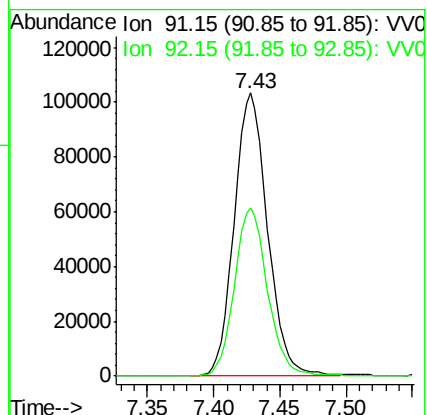
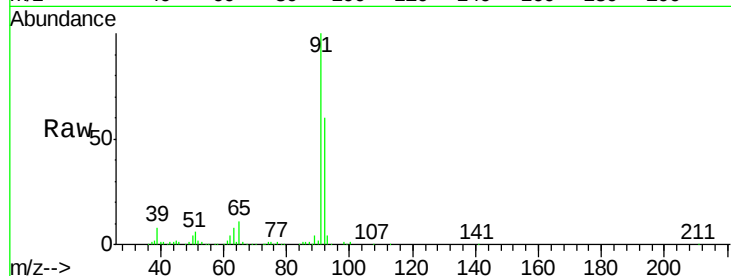
MDL01

Tot Ion: 91 Resp: 180612

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 26.988 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014614.D

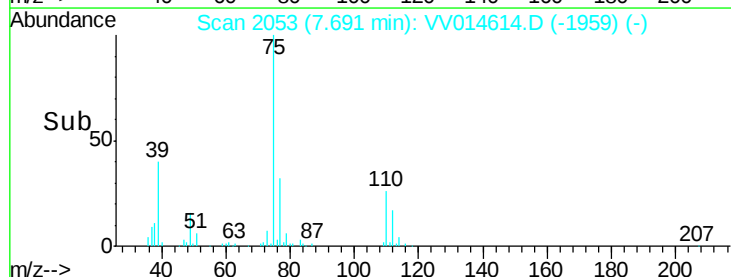
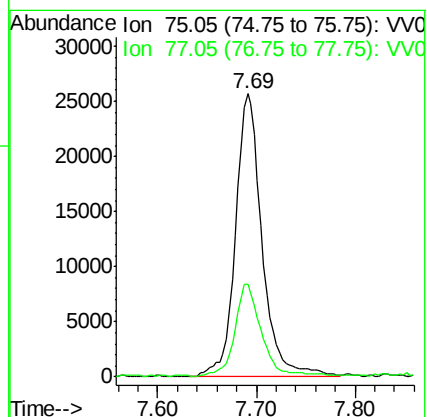
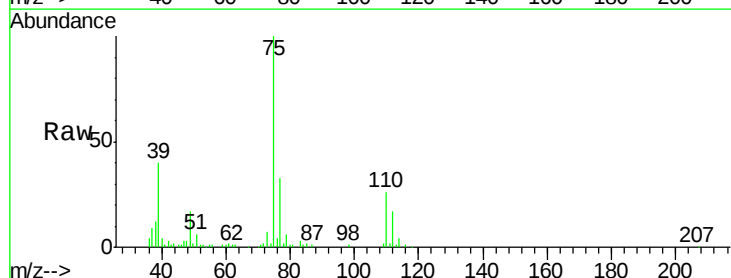
Acq: 19 Feb 2020 18:35

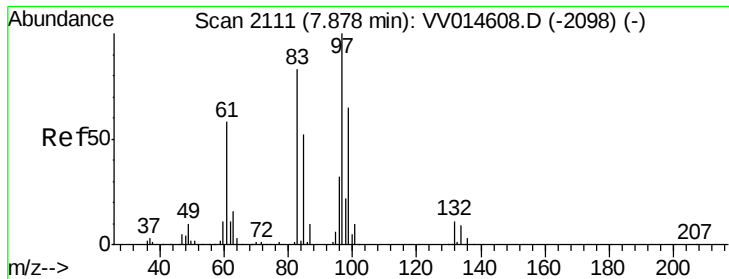
Tgt Ion: 75 Resp: 48299

Ion Ratio Lower Upper

75 100

77 32.7 21.0 39.0





#45

1,1,2-Trichloroethane

Concen: 27.450 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion: 97 Resp: 28715

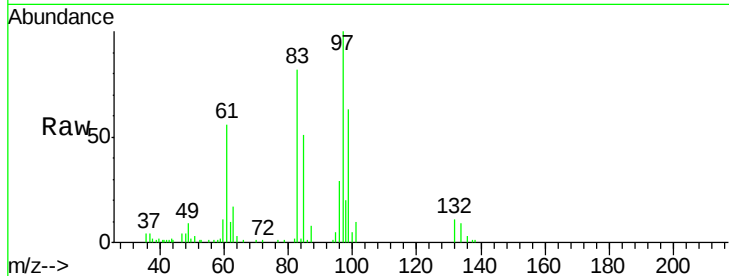
Ion Ratio Lower Upper

97 100

99 62.9 45.2 84.0

83 81.6 58.3 108.3

85 51.1 36.3 67.5

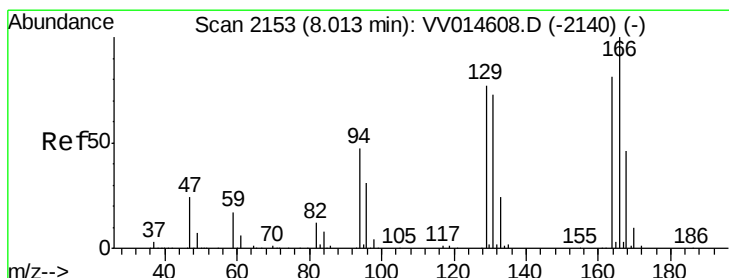
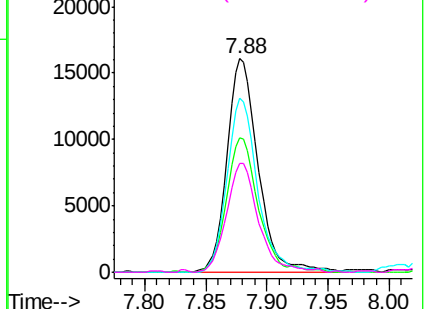
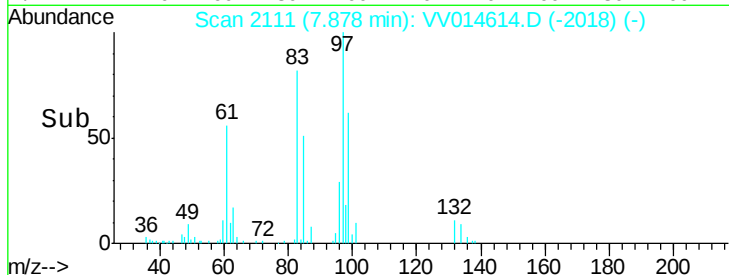


Abundance Ion 96.95 (96.65 to 97.65): VV014614.D (-2060) (-)

Ion 99.05 (98.75 to 99.75): VV014614.D (-2060) (-)

Ion 82.95 (82.65 to 83.65): VV014614.D (-2060) (-)

Ion 85.00 (84.70 to 85.70): VV014614.D (-2060) (-)



#47

Tetrachloroethene

Concen: 26.741 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Tgt Ion: 164 Resp: 36146

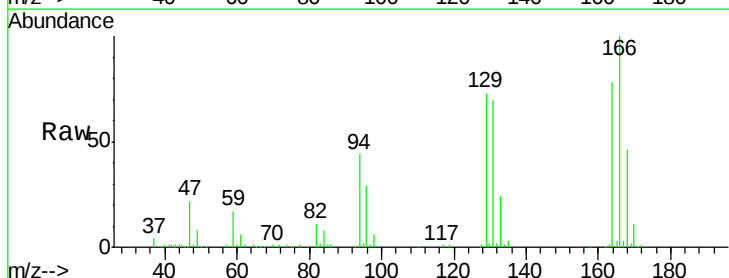
Ion Ratio Lower Upper

164 100

129 93.0 67.0 124.4

131 89.6 63.6 118.2

166 127.4 86.7 161.1

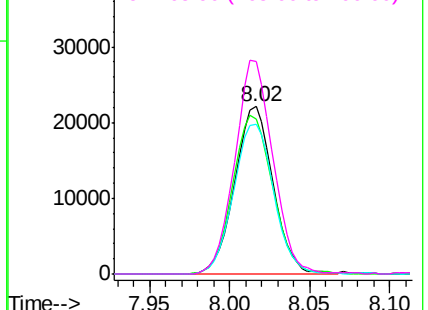
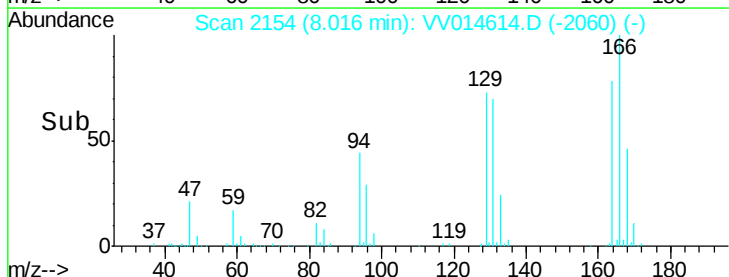


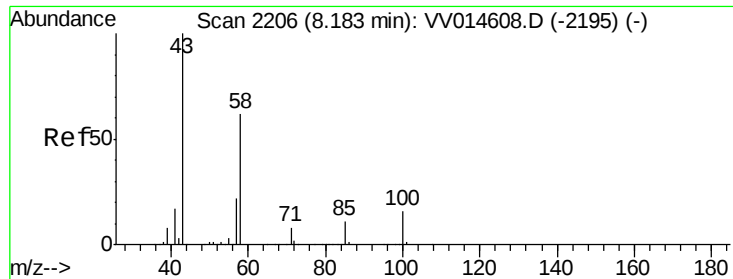
Abundance Ion 163.90 (163.60 to 164.60): VV014614.D (-2060) (-)

Ion 128.95 (128.65 to 129.65): VV014614.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV014614.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV014614.D (-2060) (-)

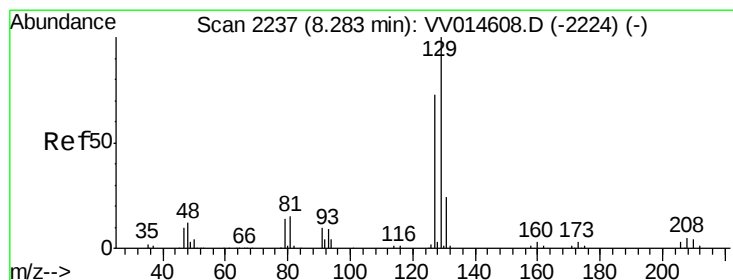
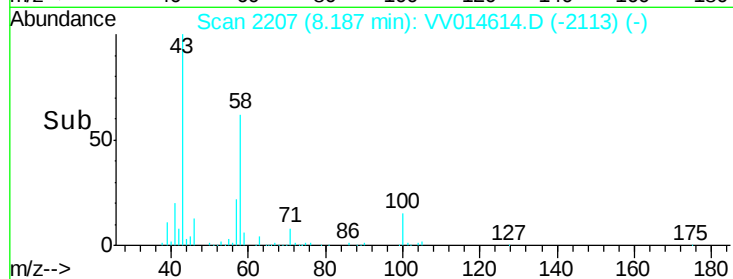
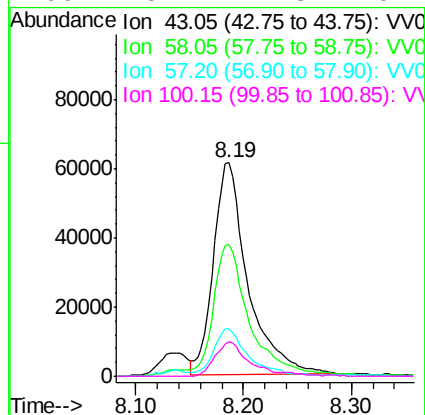
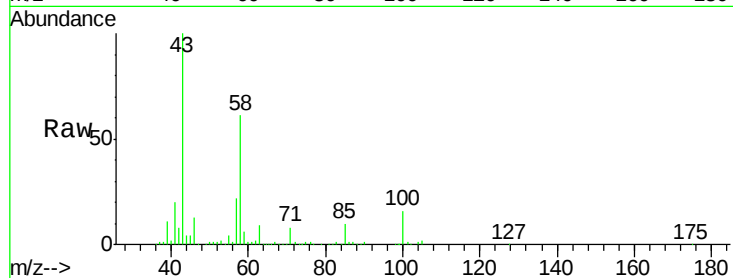




#48
2-Hexanone
Concen: 279.747 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

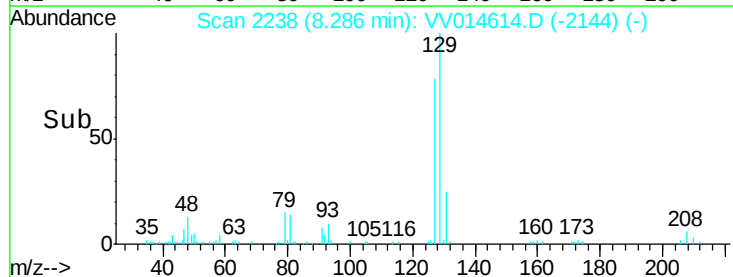
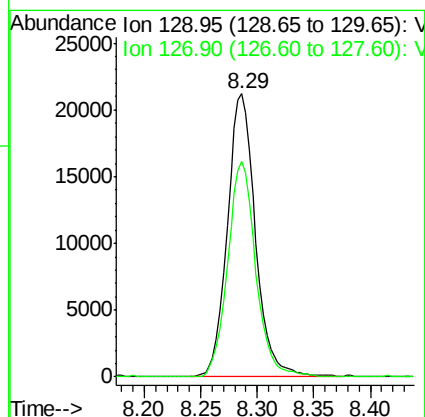
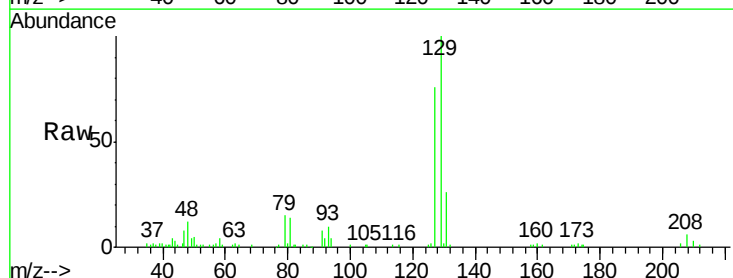
Instrument :
MSVOA_V
ClientSampleId :
MDL01

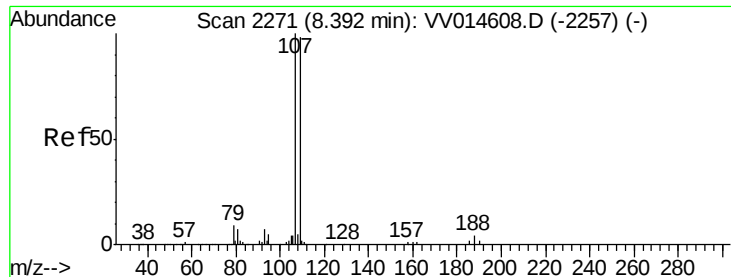
Tot Ion: 43 Resp: 136412
Ion Ratio Lower Upper
43 100
58 61.1 48.6 73.0
57 20.2 17.7 26.5
100 16.4 12.8 19.2



#49
Dibromochloromethane
Concen: 27.037 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Tgt Ion: 129 Resp: 36618
Ion Ratio Lower Upper
129 100
127 76.1 50.9 94.5





#50

1,2-Dibromoethane

Concen: 28.538 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

MDL01

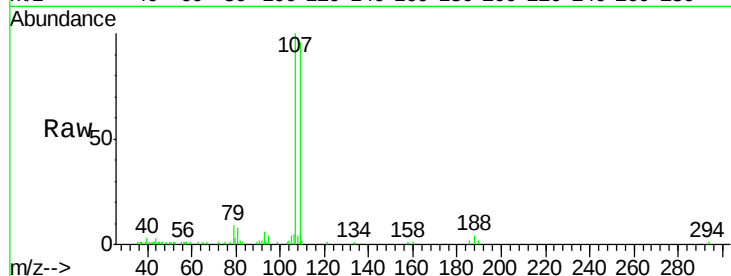
Tot Ion:107 Resp: 28393

Ion Ratio Lower Upper

107 100

109 95.8 68.7 127.5

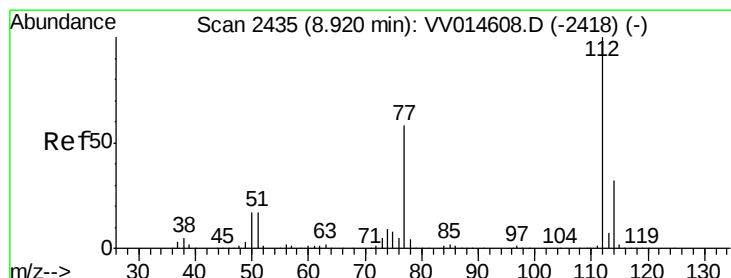
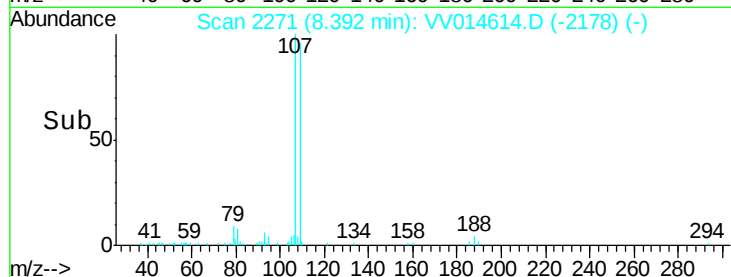
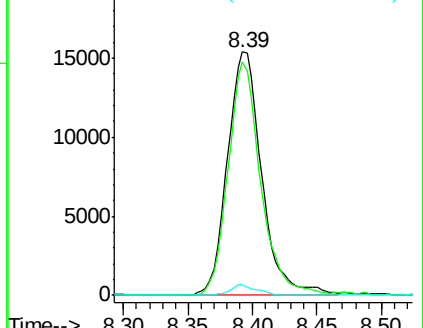
188 4.3 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 26.438 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

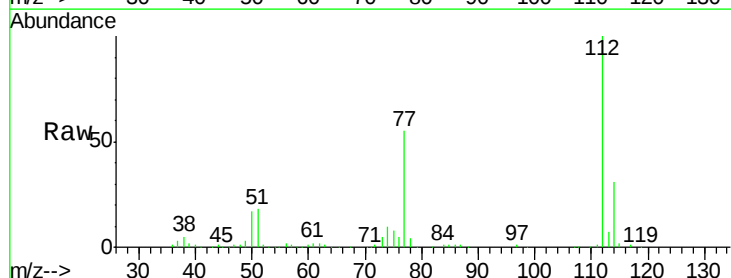
Tgt Ion:112 Resp: 115066

Ion Ratio Lower Upper

112 100

114 31.0 22.5 41.9

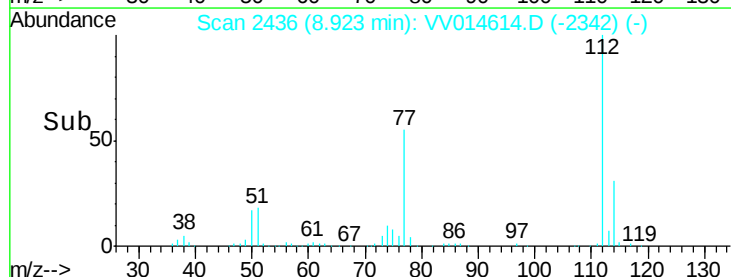
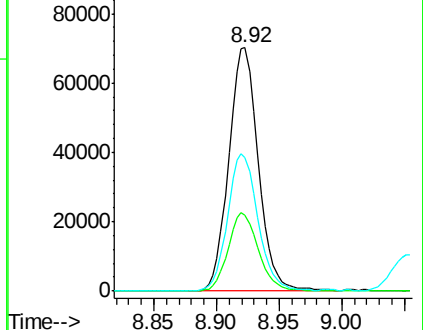
77 55.1 46.6 70.0

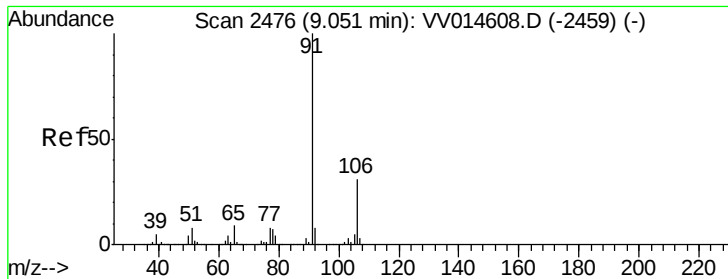


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 26.870 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

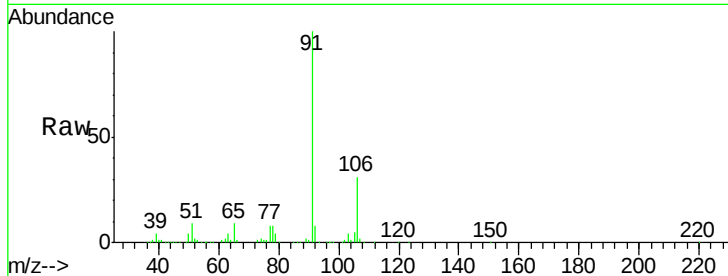
MDL01

Tot Ion: 91 Resp: 201822

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV014614.D (-2383) (-)

Ion 106.15 (105.85 to 106.85): VV014614.D (-2383) (-)

9.05

150000

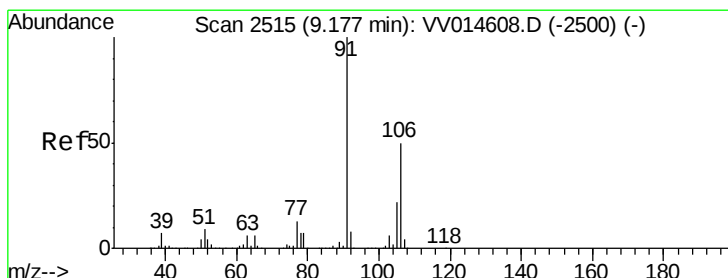
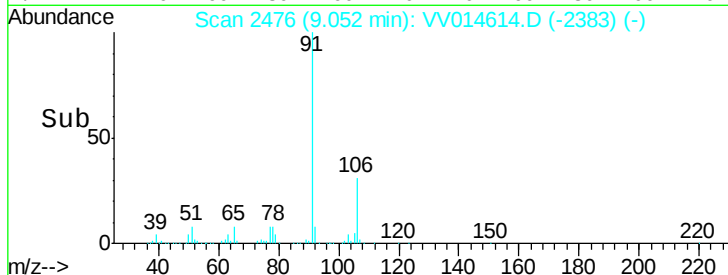
100000

50000

0

Time-->

9.00 9.05 9.10



#53

m,p-xylene

Concen: 27.460 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014614.D

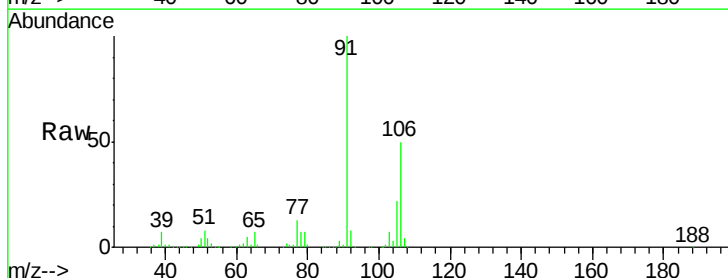
Acq: 19 Feb 2020 18:35

Tgt Ion: 106 Resp: 78926

Ion Ratio Lower Upper

106 100

91 198.9 139.6 259.2



Abundance Ion 106.15 (105.85 to 106.85): VV014614.D (-2422) (-)

Ion 91.15 (90.85 to 91.85): VV014614.D (-2422) (-)

9.18

100000

80000

60000

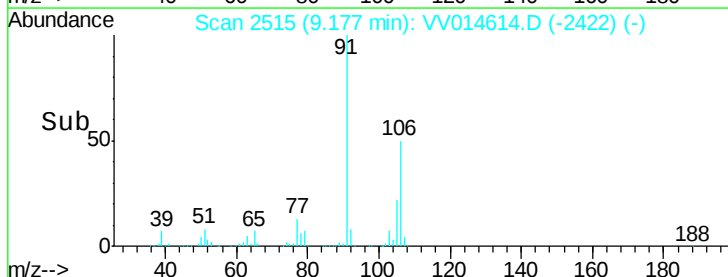
40000

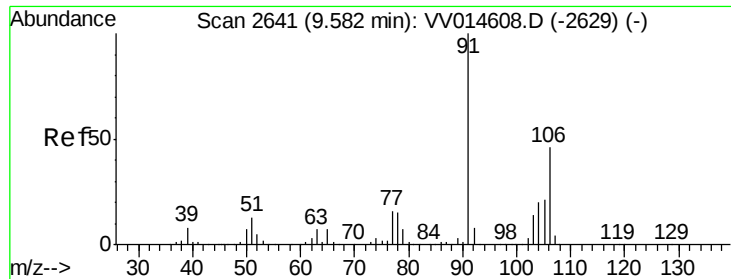
20000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 27.492 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

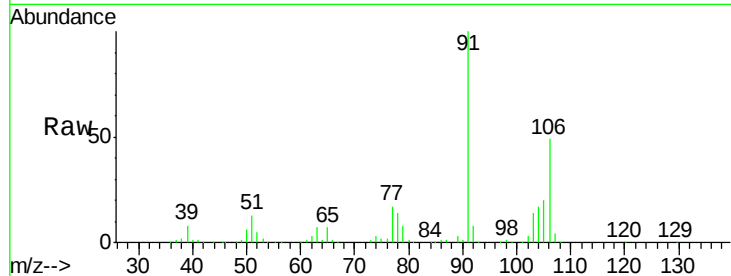
MDL01

Tot Ion:106 Resp: 75883

Ion Ratio Lower Upper

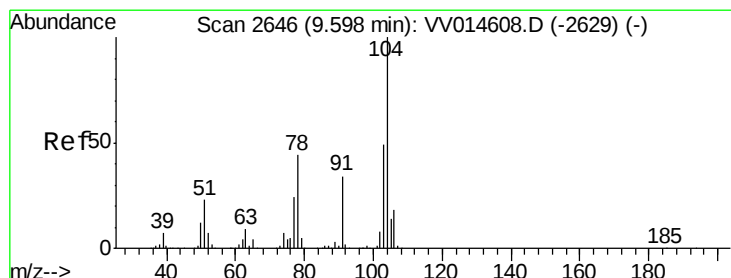
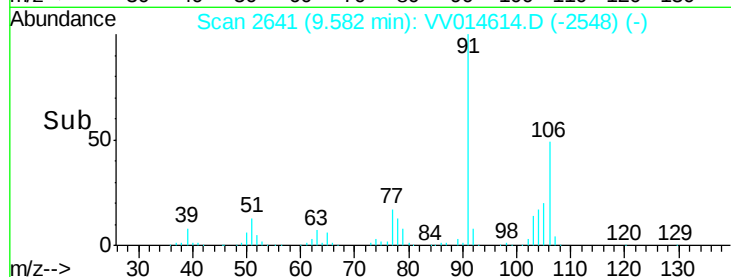
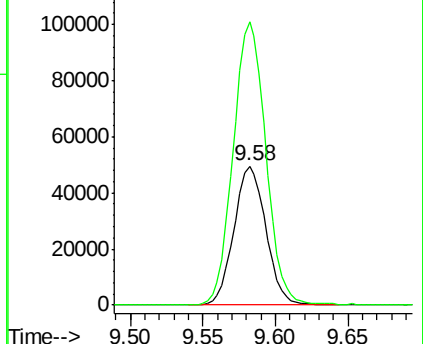
106 100

91 204.0 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 27.343 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014614.D

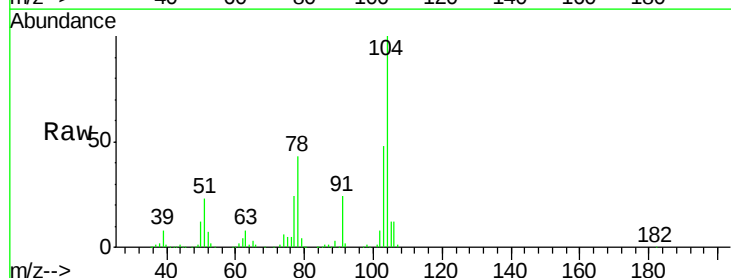
Acq: 19 Feb 2020 18:35

Tgt Ion:104 Resp: 124647

Ion Ratio Lower Upper

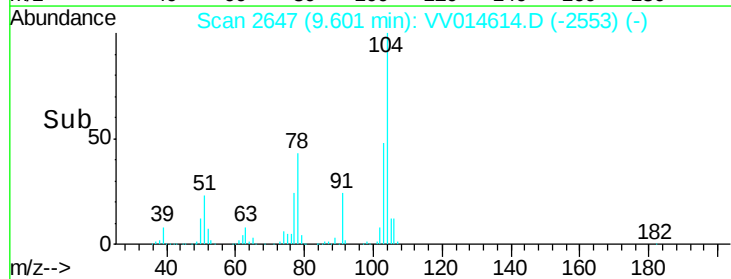
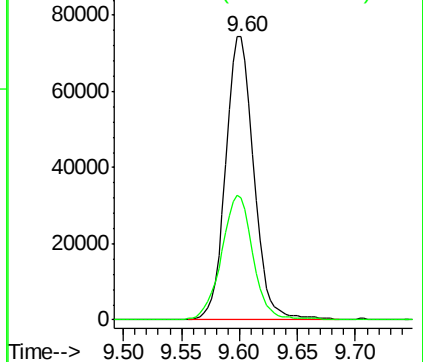
104 100

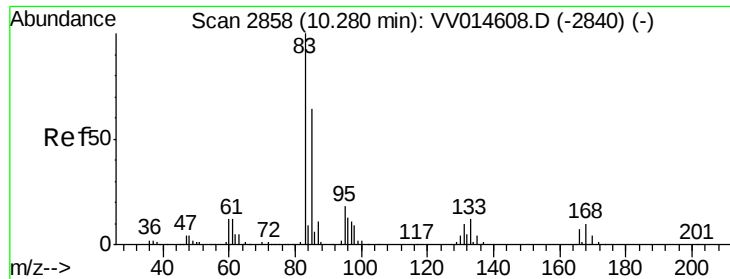
78 43.4 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

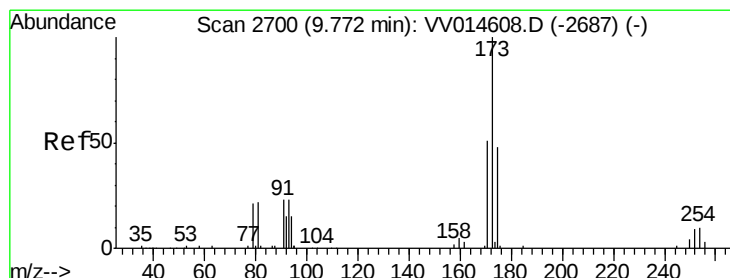
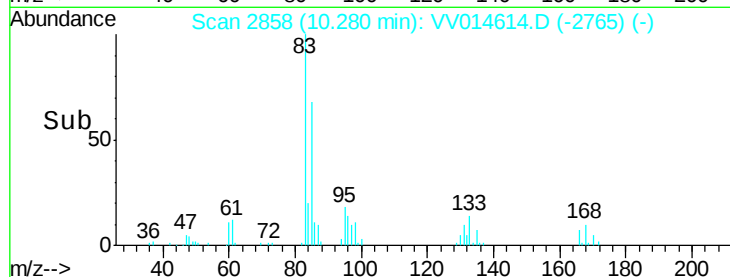
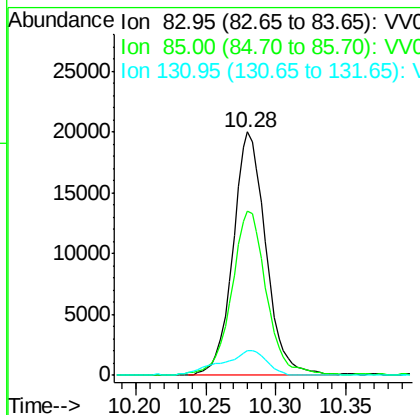
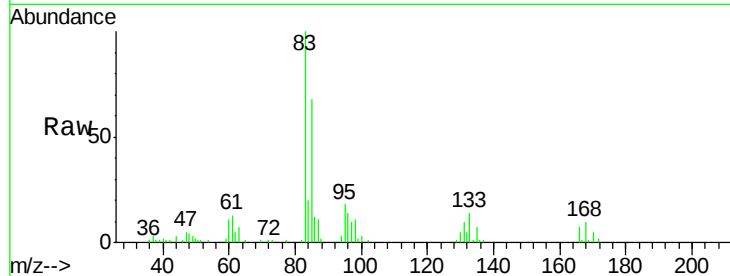




#57
 1,1,2,2-Tetrachloroethane
 Concen: 27.375 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

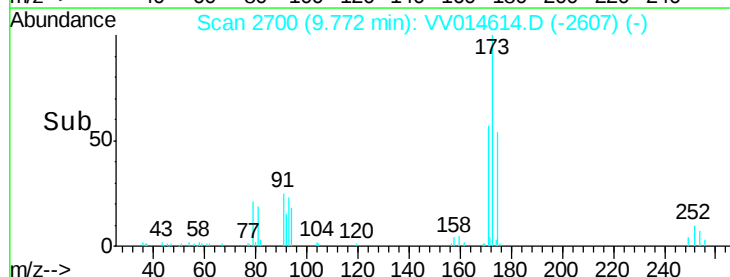
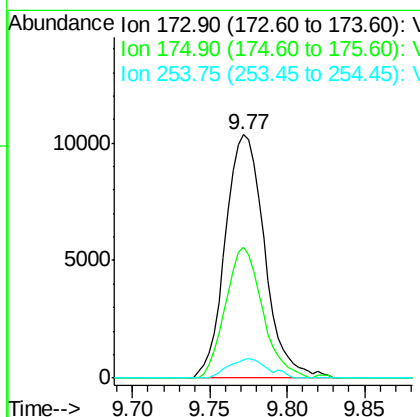
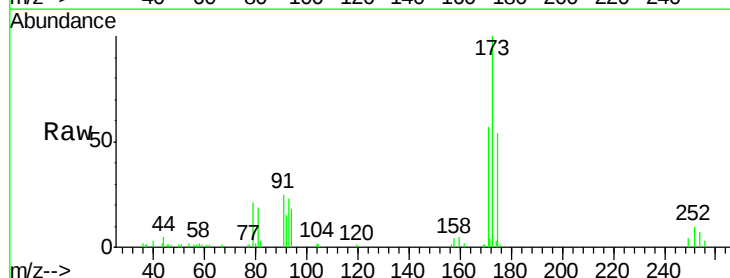
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

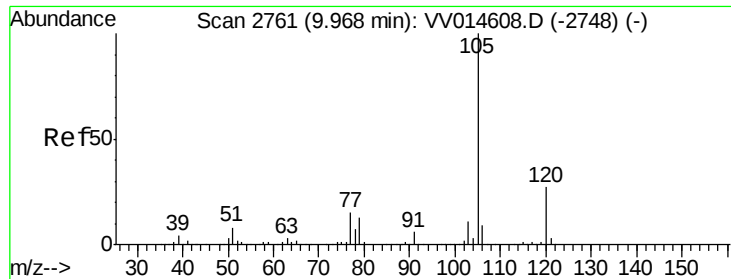
Tot Ion: 83 Resp: 32583
 Ion Ratio Lower Upper
 83 100
 85 67.7 44.6 82.8
 131 10.3 8.1 12.1



#59
 Bromoform
 Concen: 26.413 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion: 173 Resp: 18216
 Ion Ratio Lower Upper
 173 100
 175 50.6 40.0 60.0
 254 8.0 8.2 12.2#





#60

Isopropylbenzene

Concen: 26.877 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

MDL01

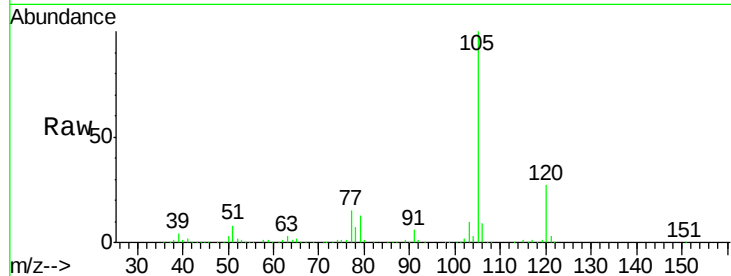
Tot Ion:105 Resp: 202463

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

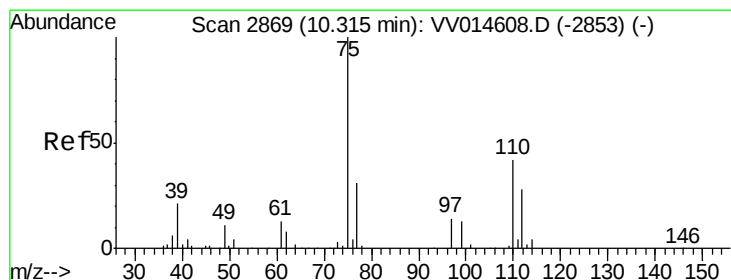
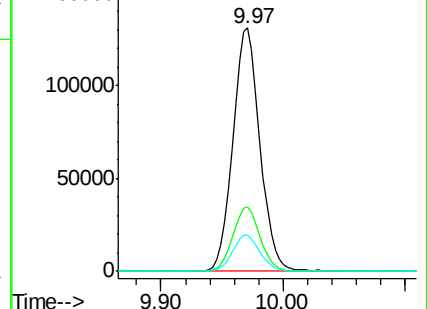
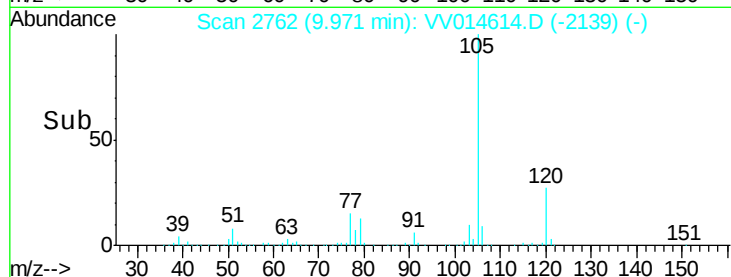
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 28.034 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

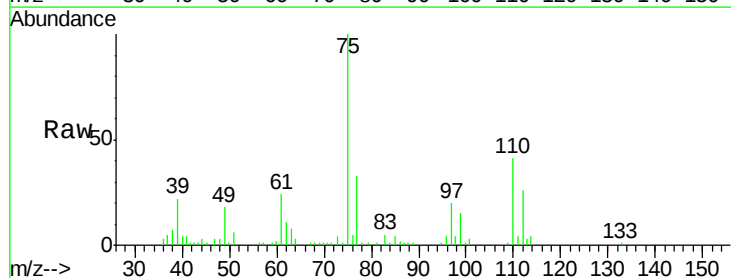
Tgt Ion: 75 Resp: 24146

Ion Ratio Lower Upper

75 100

77 31.9 26.3 39.5

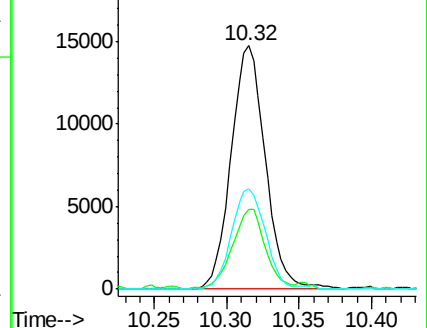
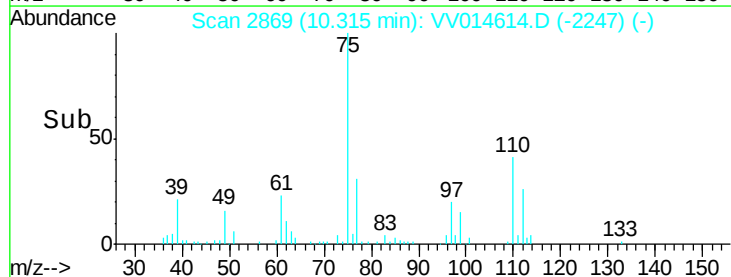
110 40.5 33.6 50.4

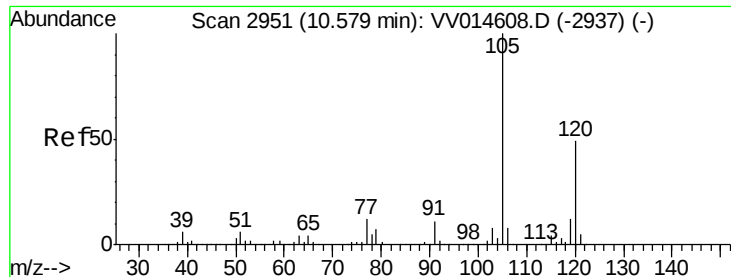


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

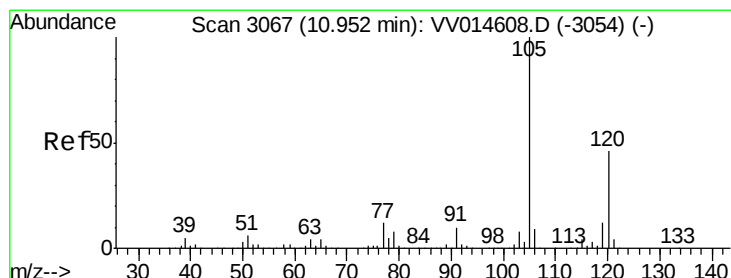
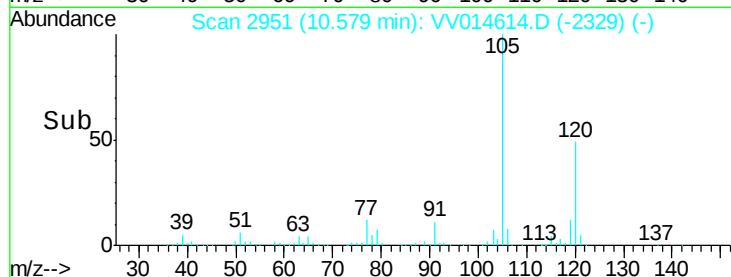
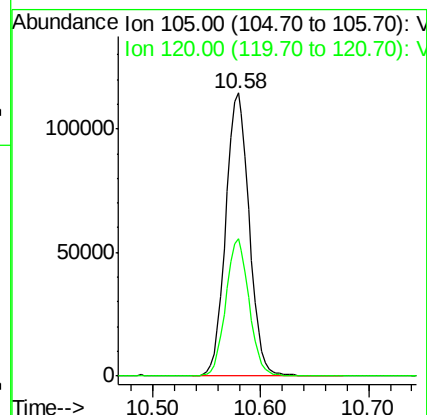
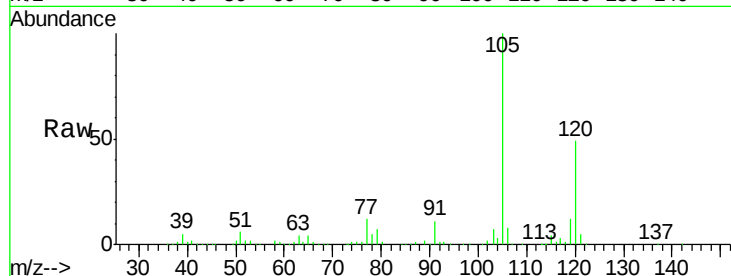




#62
 1,3,5-Trimethylbenzene
 Concen: 27.612 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

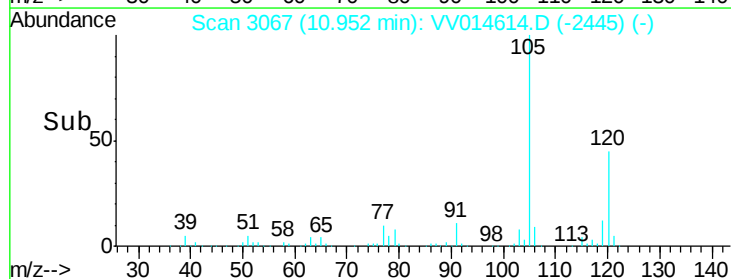
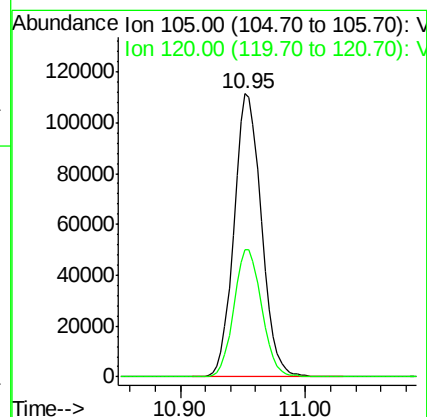
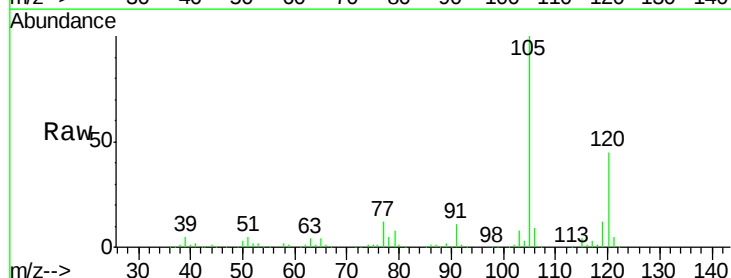
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

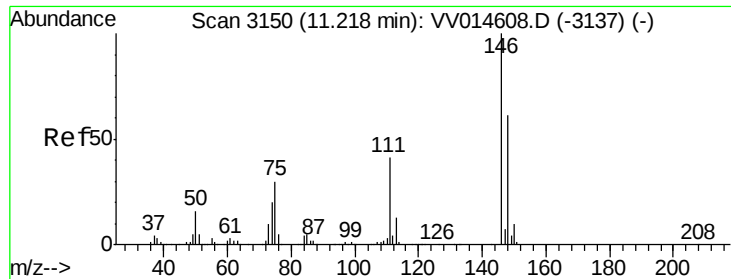
Tot Ion:105 Resp: 173592
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 27.500 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion:105 Resp: 169601
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 26.419 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

MDL01

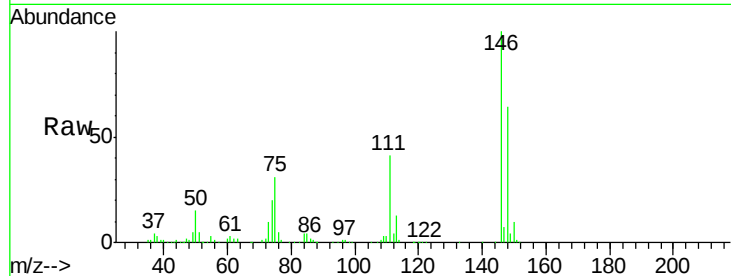
Tot Ion:146 Resp: 93311

Ion Ratio Lower Upper

146 100

111 40.9 28.4 52.8

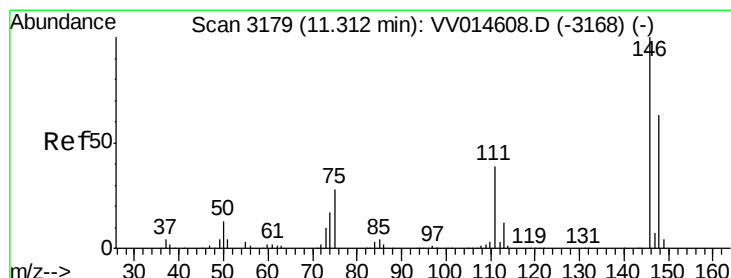
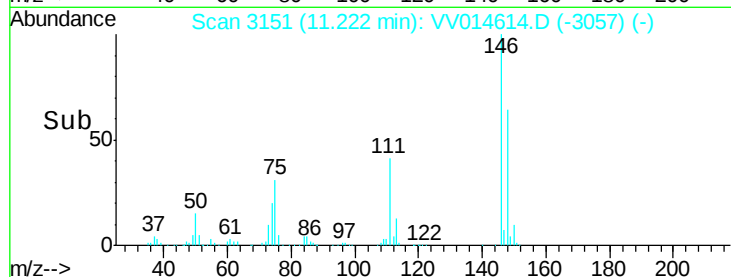
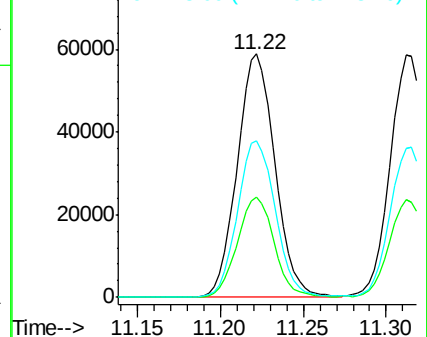
148 64.3 43.0 79.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 26.190 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

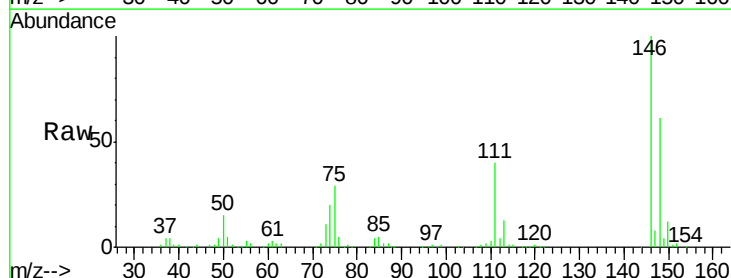
Tgt Ion:146 Resp: 90858

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

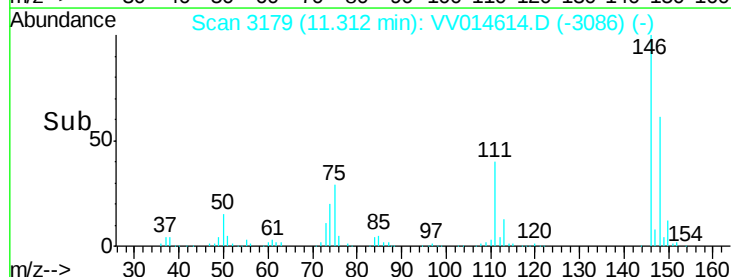
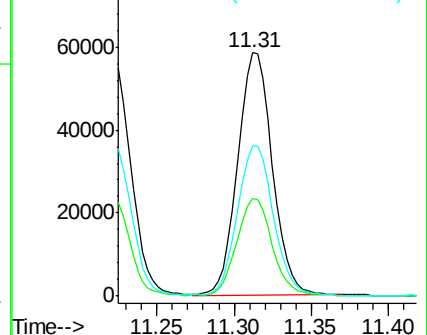
148 61.5 44.3 82.3

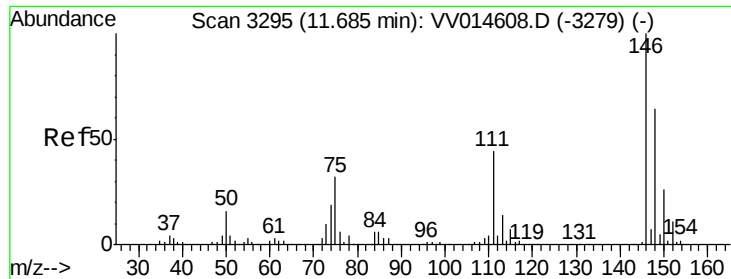


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 27.610 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

Instrument :

MSVOA_V

ClientSampled :

MDL01

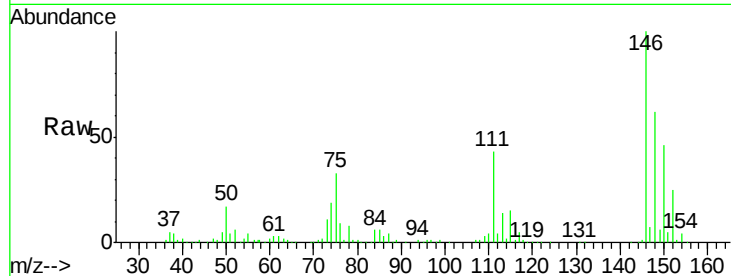
Tot Ion:146 Resp: 85621

Ion Ratio Lower Upper

146 100

111 43.5 35.0 52.4

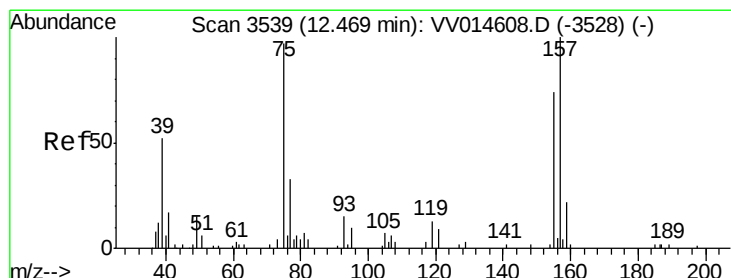
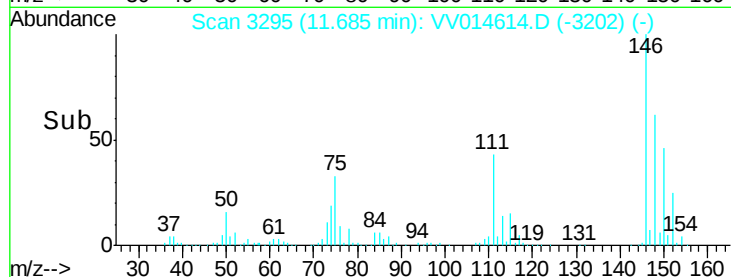
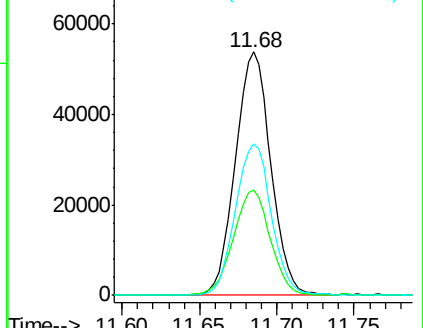
148 62.0 51.4 77.0



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



#68

1,2-Dibromo-3-chloropropane

Concen: 25.773 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014614.D

Acq: 19 Feb 2020 18:35

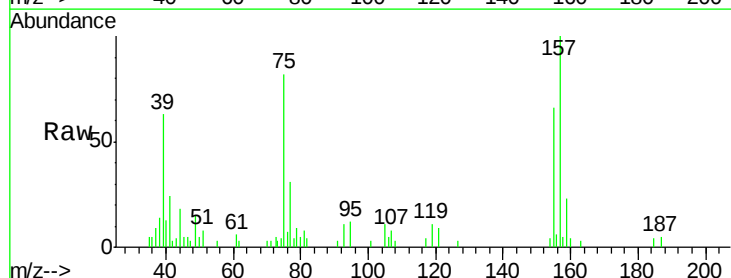
Tgt Ion: 75 Resp: 5244

Ion Ratio Lower Upper

75 100

155 79.7 61.4 92.2

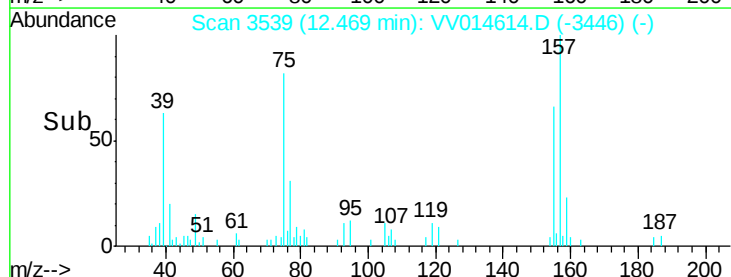
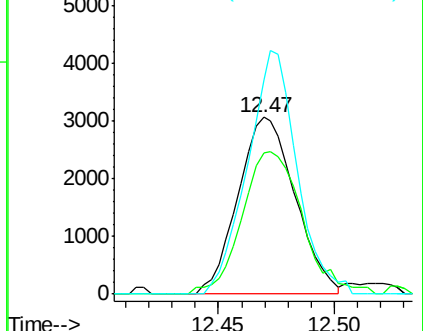
157 121.5 82.8 124.2

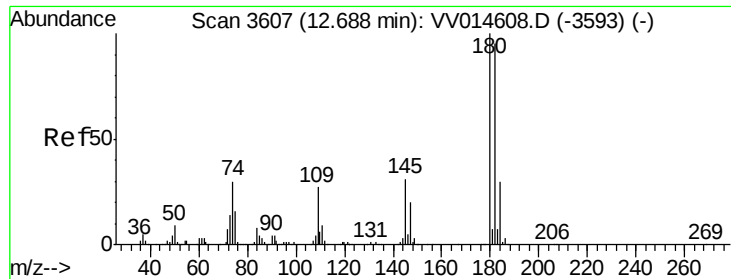


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

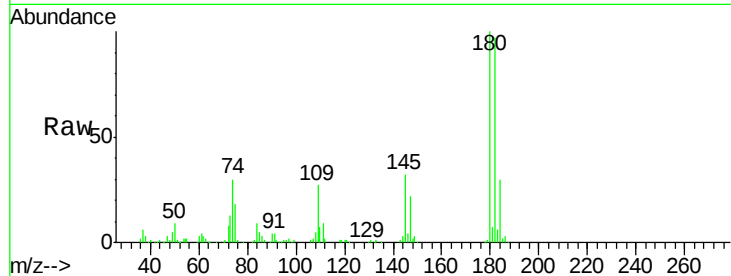




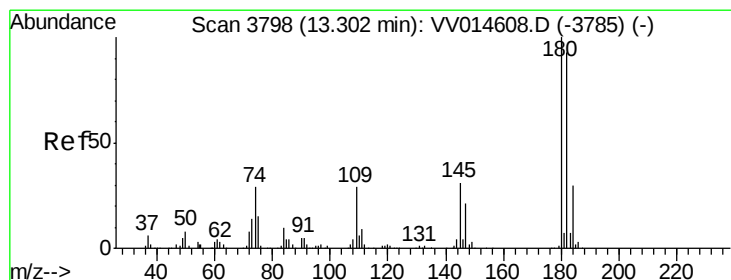
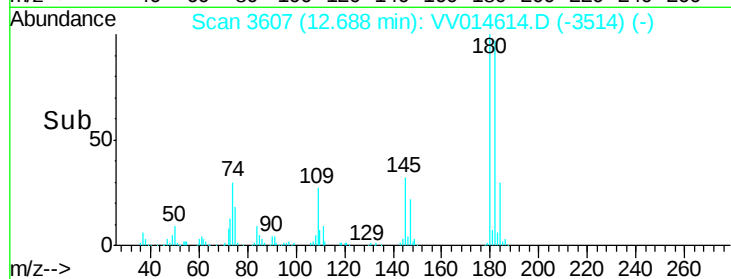
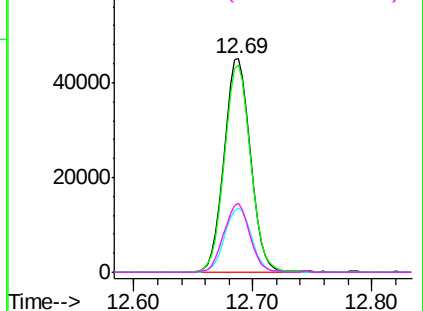
#69
 1,3,5-Trichlorobenzene
 Concen: 26.625 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:180 Resp: 69333
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.6 114.8
 184 30.2 23.9 35.9
 145 31.8 25.4 38.2

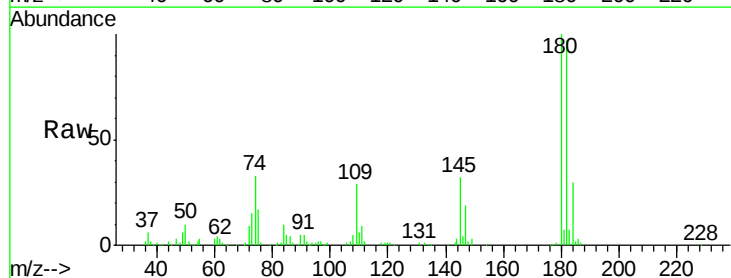


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

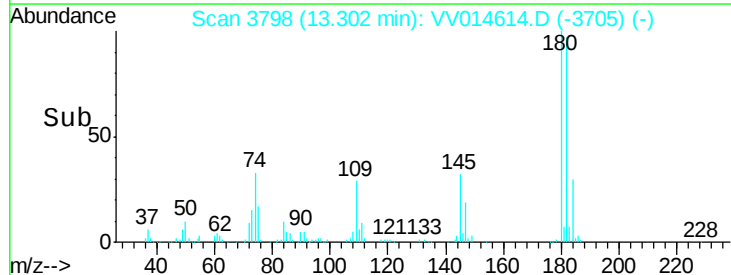
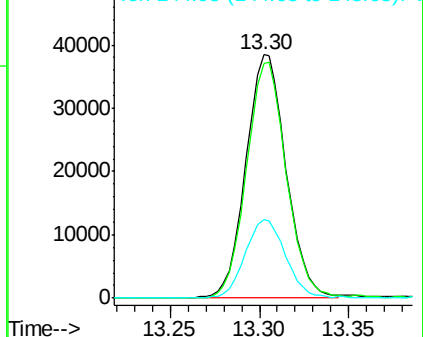


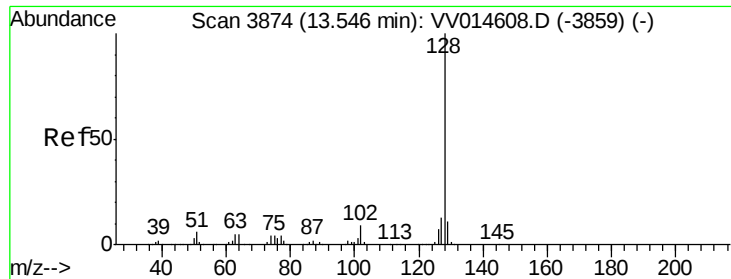
#70
 1,2,4-trichlorobenzene
 Concen: 27.822 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014614.D
 Acq: 19 Feb 2020 18:35

Tgt Ion:180 Resp: 60691
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.7 113.5
 145 32.6 25.1 37.7



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

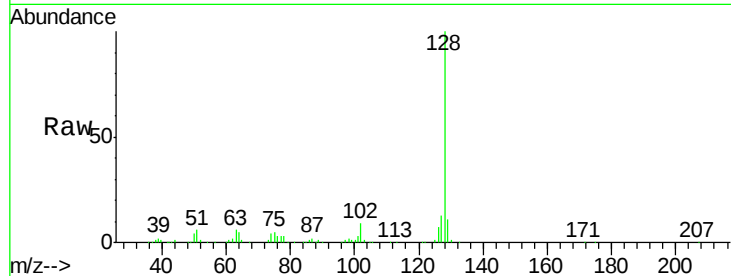




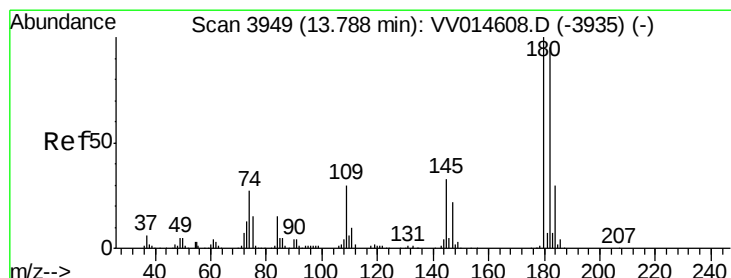
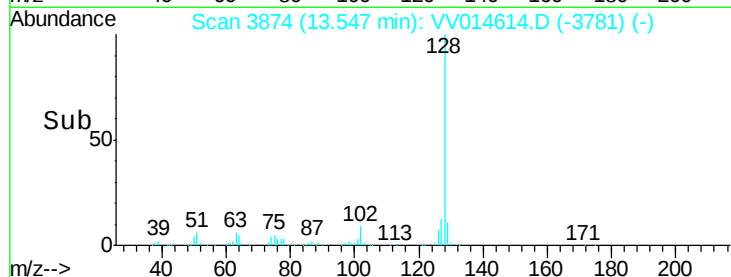
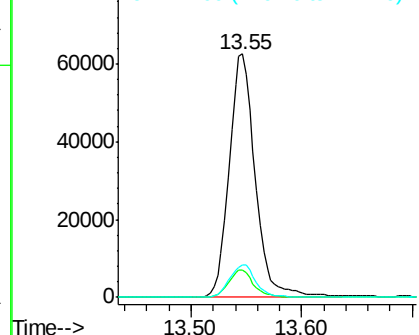
#71
Naphthalene
Concen: 27.813 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:128 Resp: 102574
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.4 10.4 15.6

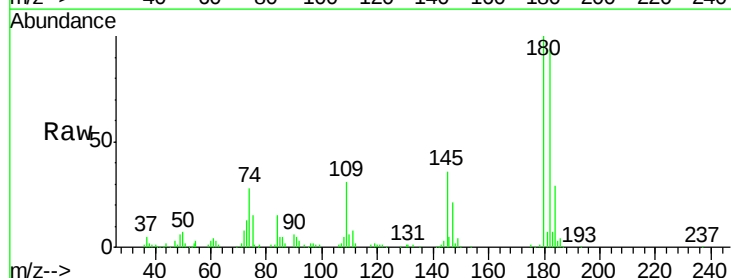


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 28.594 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014614.D
Acq: 19 Feb 2020 18:35

Tgt Ion:180 Resp: 54630
Ion Ratio Lower Upper
180 100
182 94.9 75.0 112.6
145 34.8 26.7 40.1



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

