

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014314.D
 Acq On : 16 Jan 2020 09:31
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 04:41:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 16 00:33:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	890467	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	812641	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	386833	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	227636	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.59	69	189915	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	2.13	63	394271	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.94	46	531335	35.50	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.00%
24) Chloroform-d	4.40	84	518933	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.08	65	238930	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
32) Benzene-d6	5.09	84	1045971	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.11	67	320600	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.35	98	945792	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.66	79	132098	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.13	63	548332	38.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.88%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	226116	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	305005	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	303512	4.521	ug/L 98
3) Chloromethane	1.25	50	333678	5.000	ug/L 100
5) Vinyl chloride	1.32	62	310148	4.977	ug/L 100
6) Bromomethane	1.54	94	167042	4.724	ug/L 98
8) Chloroethane	1.60	64	170785	4.877	ug/L 99
9) Trichlorofluoromethane	1.77	101	395387	5.374	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	216269	5.427	ug/L 96
12) 1,1-Dichloroethene	2.14	96	204371	5.137	ug/L 95
13) Acetone	2.21	43	348984	33.859	ug/L 97
14) Carbon disulfide	2.32	76	856439	4.851	ug/L 99
15) Methyl Acetate	2.47	43	104934	4.373	ug/L 100
16) Methylene chloride	2.54	84	316677	4.890	ug/L 94
17) Methyl tert-butyl Ether	2.80	73	697420	4.737	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	301558	5.043	ug/L 95
19) 1,1-Dichloroethane	3.23	63	584797	4.989	ug/L 96
21) 2-Butanone	4.03	43	648841	41.967	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	330620	5.043	ug/L # 94

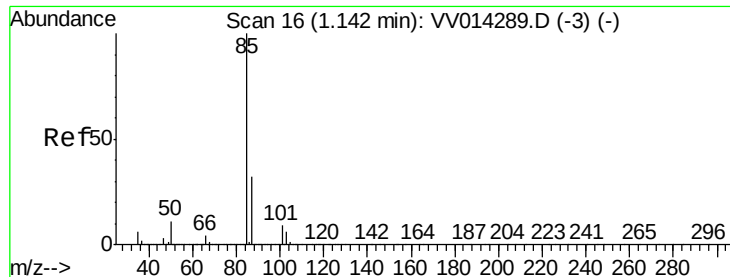
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014314.D
 Acq On : 16 Jan 2020 09:31
 Operator : SY/MD
 Sample : VSTDCCC005
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Instrument :
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 ClientSampleId :

Quant Time: Jan 17 04:41:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 16 00:33:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	123411	4.952	ug/L	90
25) Chloroform	4.42	83	566339	5.047	ug/L	97
27) 1,2-Dichloroethane	5.17	62	317511	4.730	ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	491880	5.085	ug/L	100
30) Cyclohexane	4.72	56	576575	5.398	ug/L	97
31) Carbon tetrachloride	4.87	117	419079	5.059	ug/L	100
33) Benzene	5.14	78	1268334	5.068	ug/L	100
34) Trichloroethene	5.95	95	328073	5.101	ug/L	98
35) Methylcyclohexane	6.17	83	580689	5.522	ug/L	97
37) 1,2-Dichloropropane	6.22	63	319109	5.051	ug/L	99
38) Bromodichloromethane	6.55	83	398898	4.897	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	496753	4.857	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1789802	44.947	ug/L	99
42) Toluene	7.43	91	1348642	5.105	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	386775	4.925	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	199219	4.937	ug/L	98
47) Tetrachloroethene	8.01	164	229778	5.230	ug/L	98
48) 2-Hexanone	8.18	43	1357196	49.276	ug/L	97
49) Dibromochloromethane	8.29	129	247876	4.859	ug/L	99
50) 1,2-Dibromoethane	8.39	107	188057	4.812	ug/L	93
51) Chlorobenzene	8.92	112	832581	5.125	ug/L	99
52) Ethylbenzene	9.05	91	1559138	5.275	ug/L	100
53) m,p-xylene	9.18	106	575213	5.276	ug/L	99
54) o-xylene	9.58	106	558687	5.211	ug/L	98
55) Styrene	9.60	104	939079	5.171	ug/L	98
56) Isopropylbenzene	9.97	105	1505315	5.383	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	248813	5.000	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	179892	4.779	ug/L	99
61) Bromoform	9.77	173	123192	4.698	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	629722	5.207	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	624715	5.195	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	553885	5.071	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	45803	4.563	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	457887	5.207	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	393560	5.102	ug/L	99
69) Naphthalene	13.55	128	724884	4.625	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	339210	4.998	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.521 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

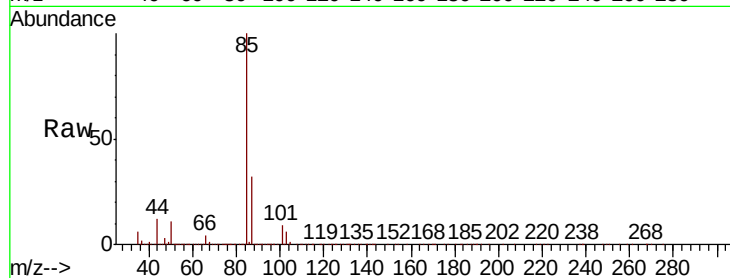
ClientSampleId :

Tot Ion: 85 Resp: 303512

Ion Ratio Lower Upper

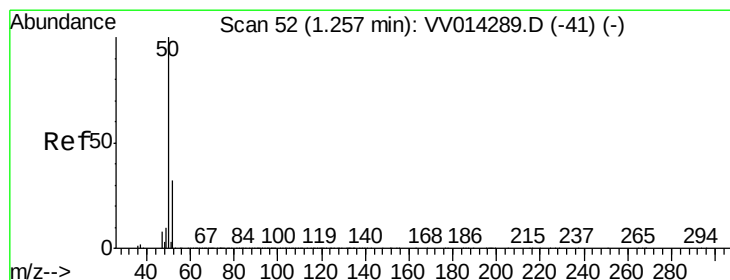
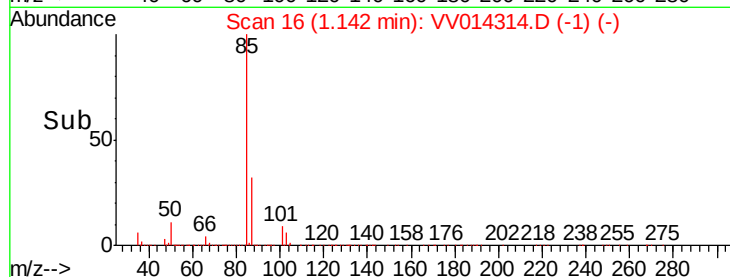
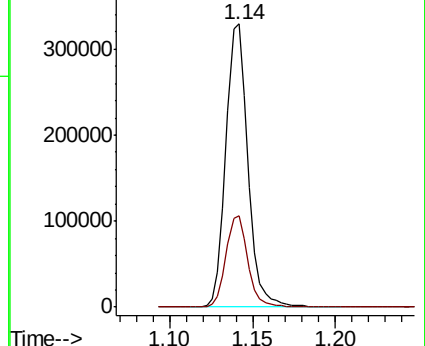
85 100

87 32.3 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.000 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014314.D

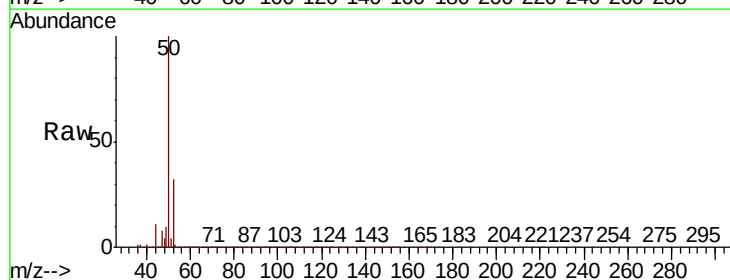
Acq: 16 Jan 2020 09:31

Tgt Ion: 50 Resp: 333678

Ion Ratio Lower Upper

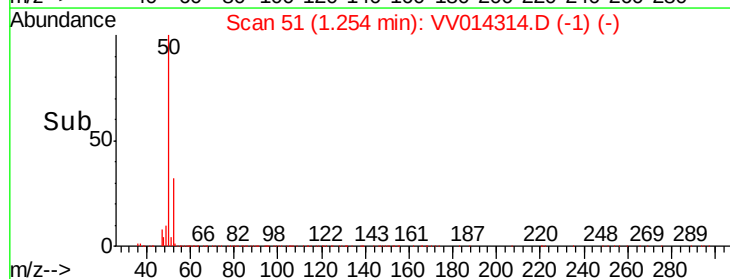
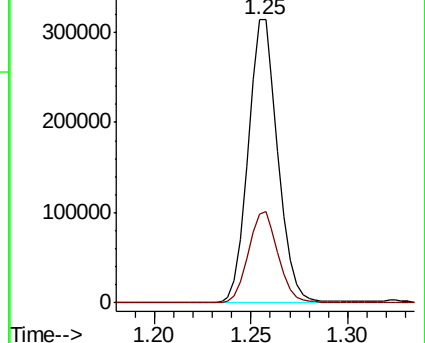
50 100

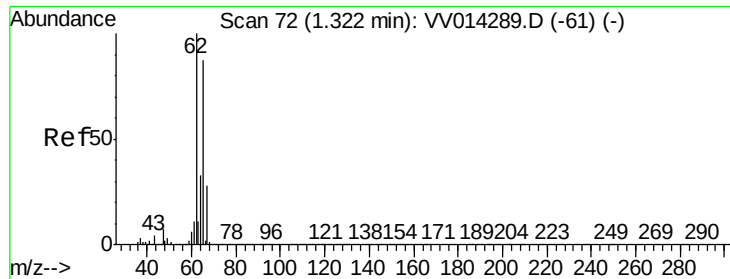
52 31.6 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.977 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

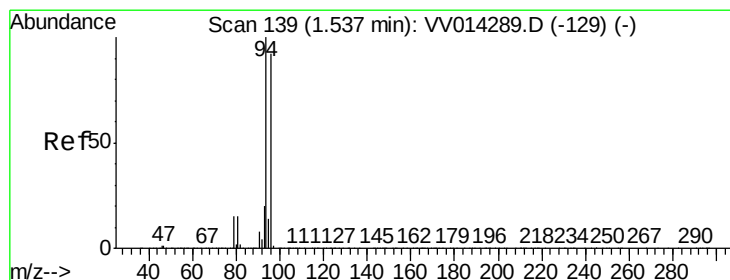
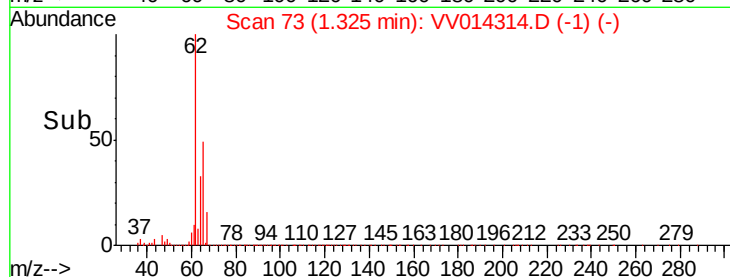
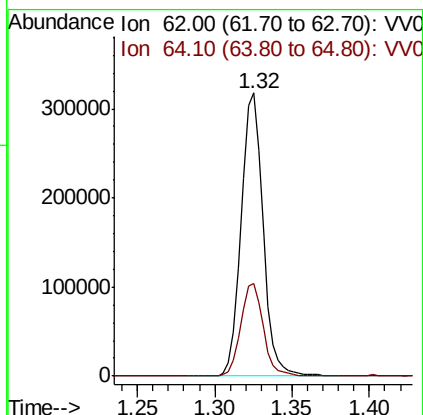
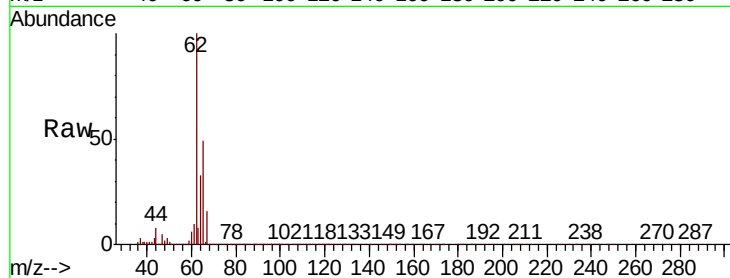
ClientSampleId :

Tot Ion: 62 Resp: 310148

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



#6

Bromomethane

Concen: 4.724 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014314.D

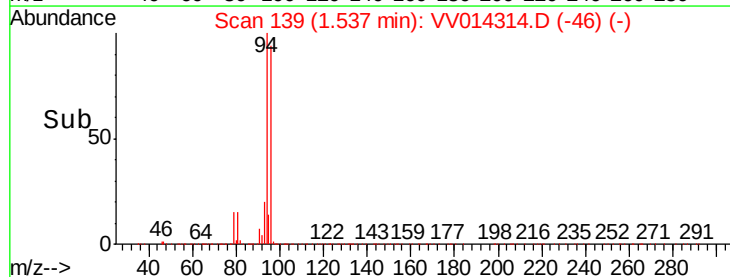
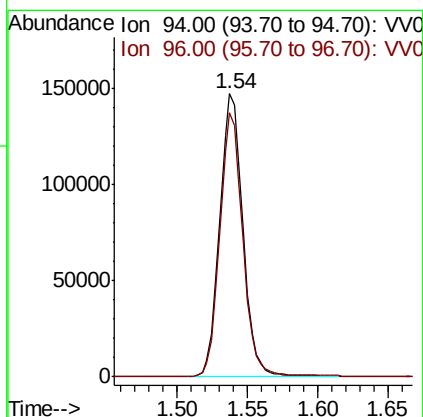
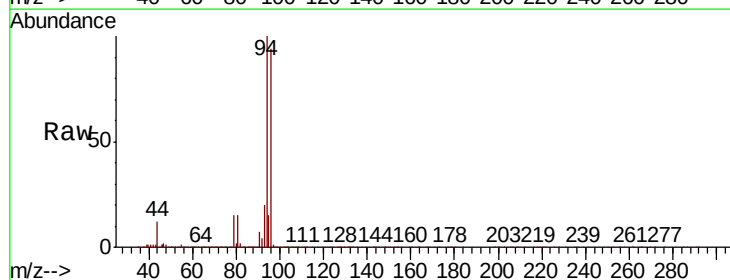
Acq: 16 Jan 2020 09:31

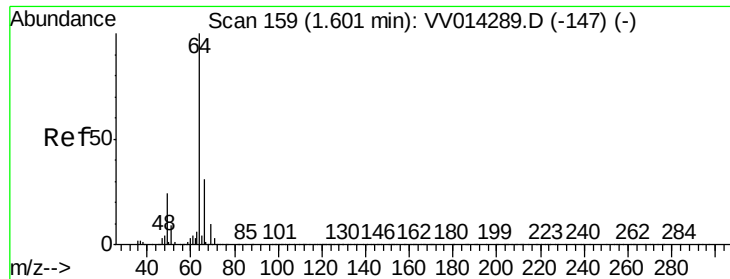
Tgt Ion: 94 Resp: 167042

Ion Ratio Lower Upper

94 100

96 93.6 66.9 124.3

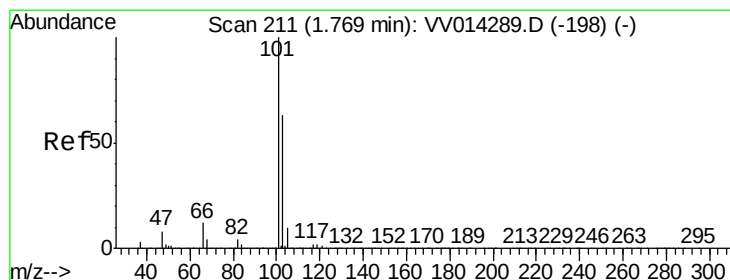
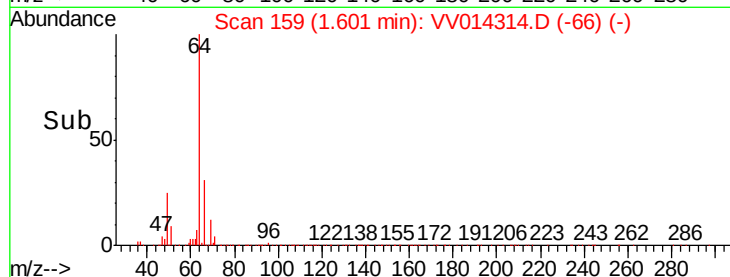
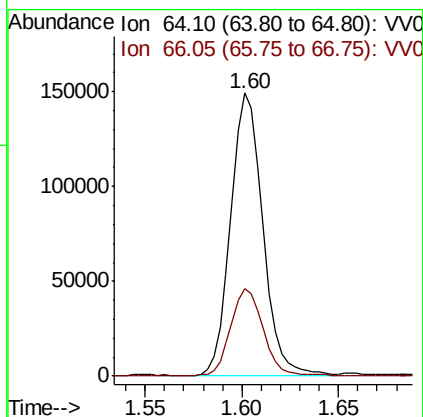
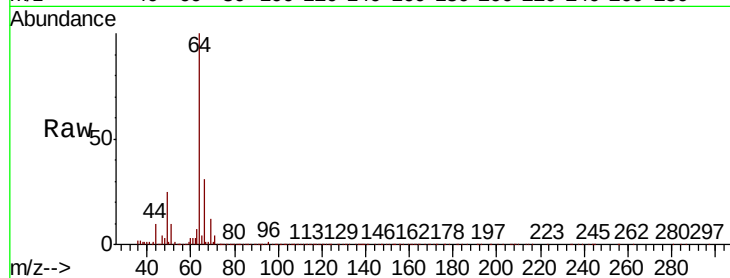




#8
Chloroethane
Concen: 4.877 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

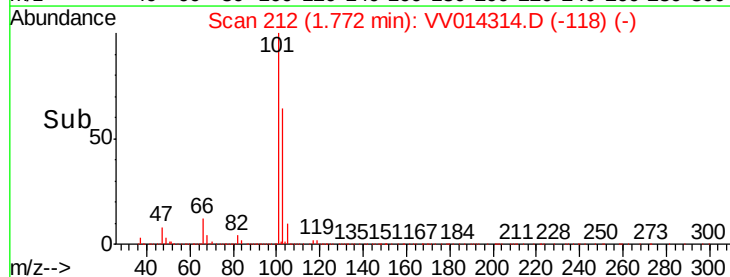
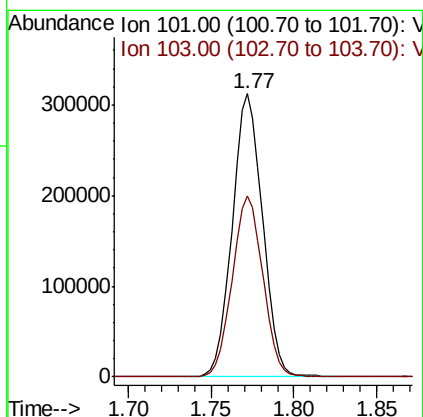
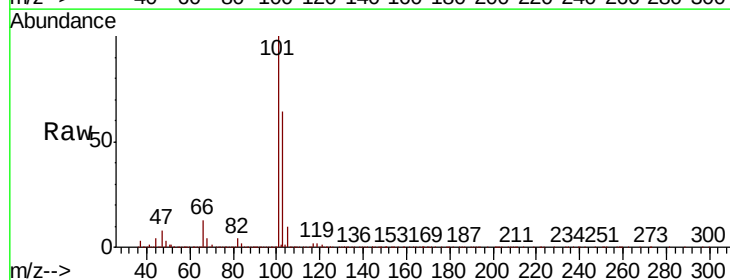
Instrument :
MSVOA_V
ClientSampleId :

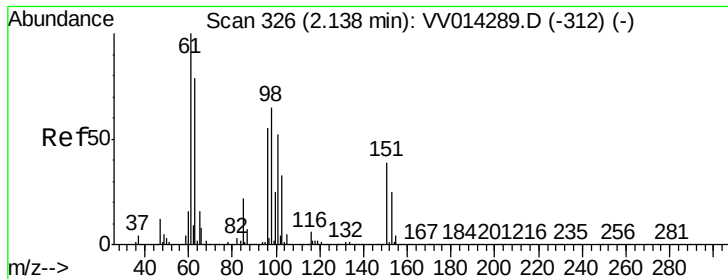
Tot Ion: 64 Resp: 170785
Ion Ratio Lower Upper
64 100
66 30.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.374 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion: 101 Resp: 395387
Ion Ratio Lower Upper
101 100
103 64.4 52.6 78.8





#10

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

Concen: 5.427 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014314.D

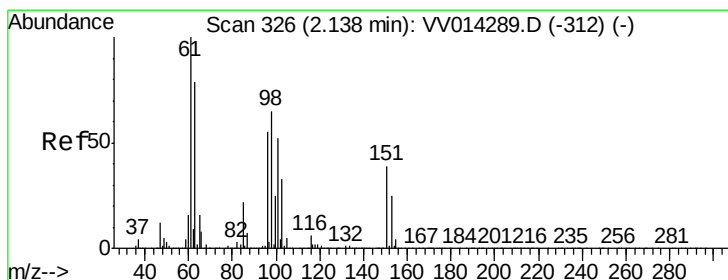
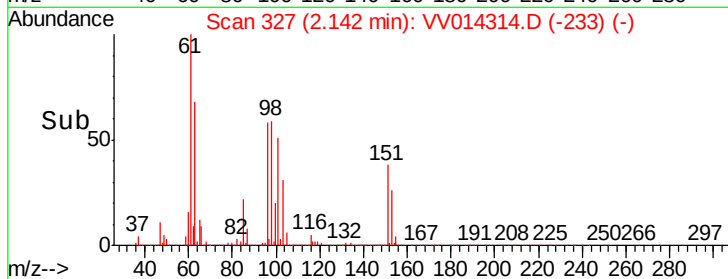
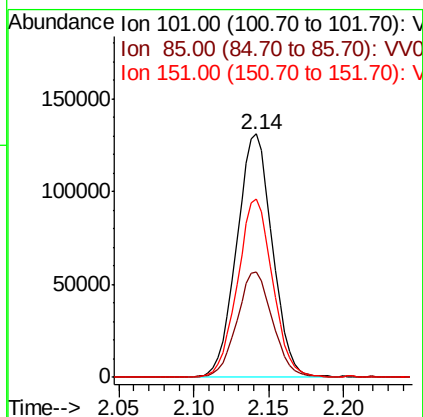
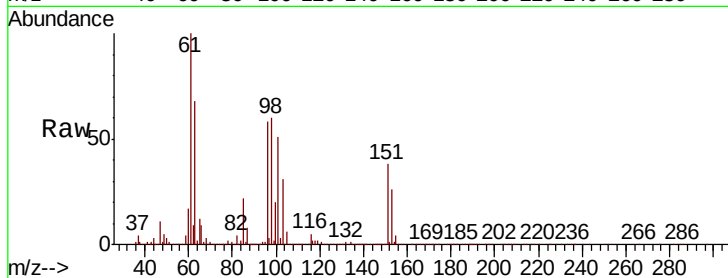
Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:	101	Resp:	216269
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.9	52.3
151	72.6	62.5	93.7



#12

1,1-Dichloroethene

Concen: 5.137 ug/L

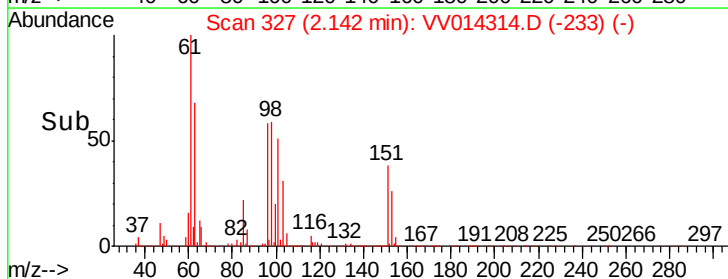
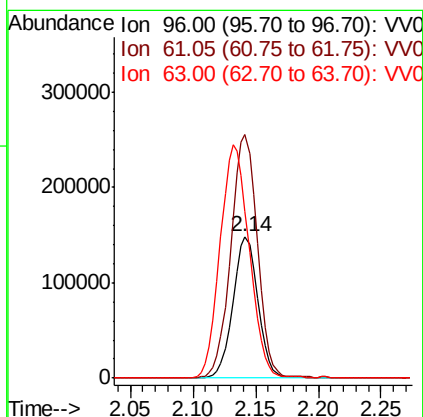
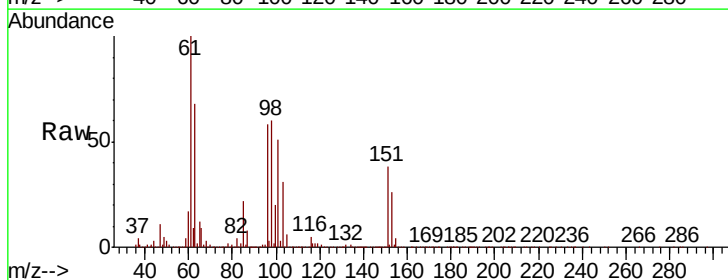
RT: 2.14 min Scan# 327

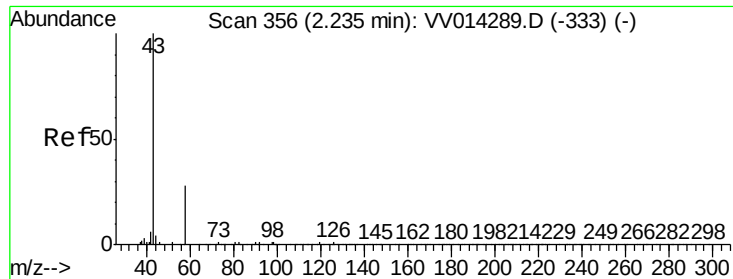
Delta R.T. 0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Tgt Ion:	96	Resp:	204371
Ion	Ratio	Lower	Upper
96	100		
61	171.7	121.5	225.7
63	117.3	90.3	167.7





#13

Acetone

Concen: 33.859 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.03 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

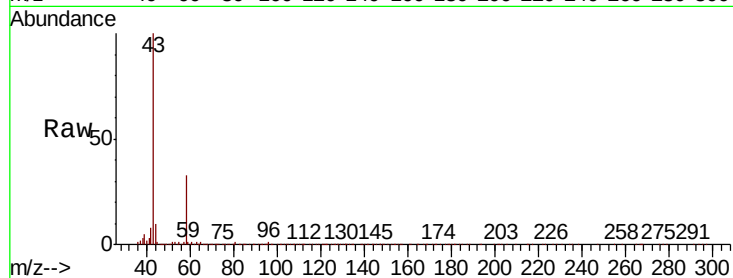
ClientSampleId :

Tot Ion: 43 Resp: 348984

Ion Ratio Lower Upper

43 100

58 31.6 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VV014289.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV014289.D (-333) (-)

2.21

120000

100000

80000

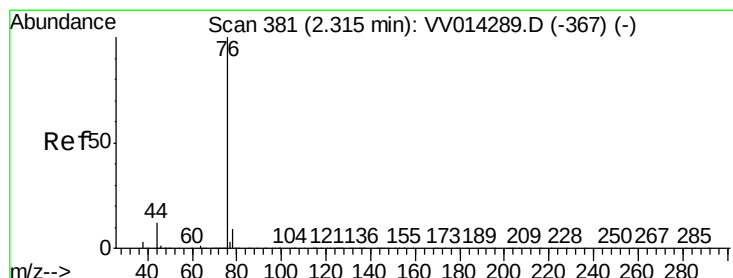
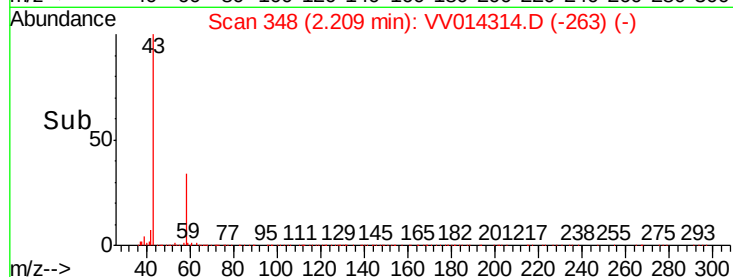
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.851 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014314.D

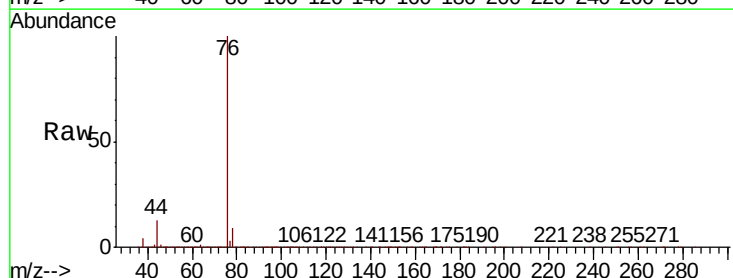
Acq: 16 Jan 2020 09:31

Tgt Ion: 76 Resp: 856439

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV014289.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV014289.D (-367) (-)

2.32

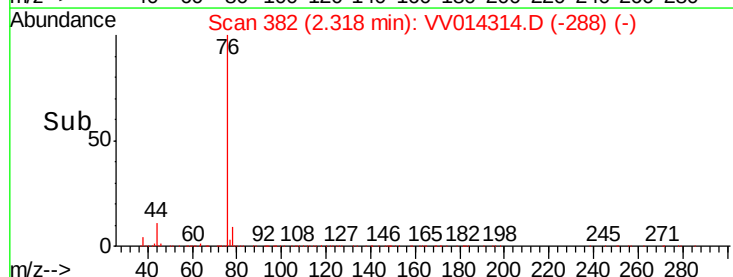
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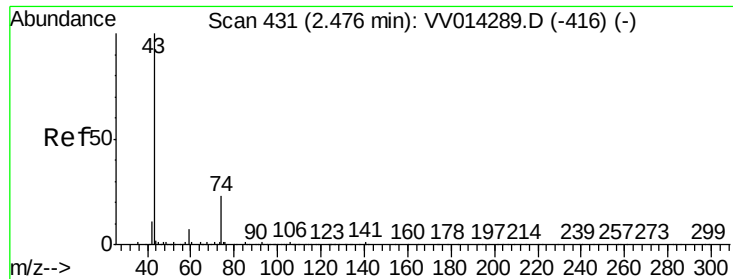
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200000

0

Time-->

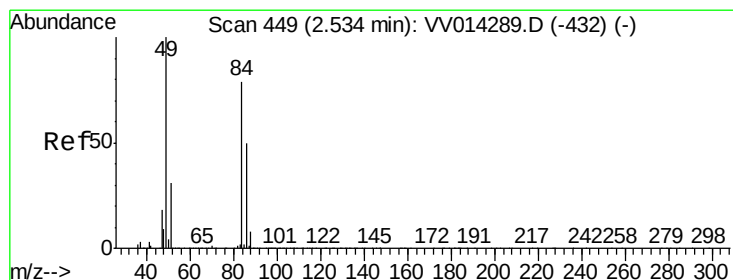
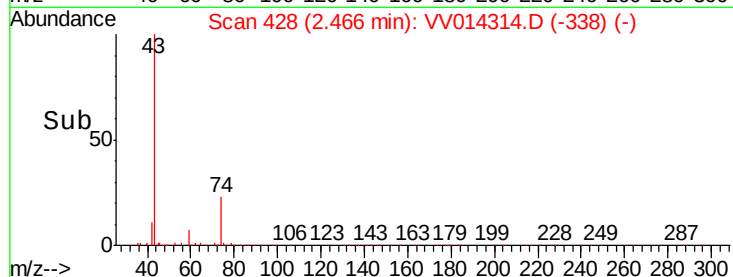
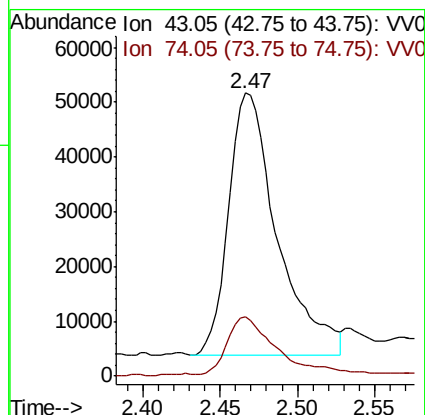
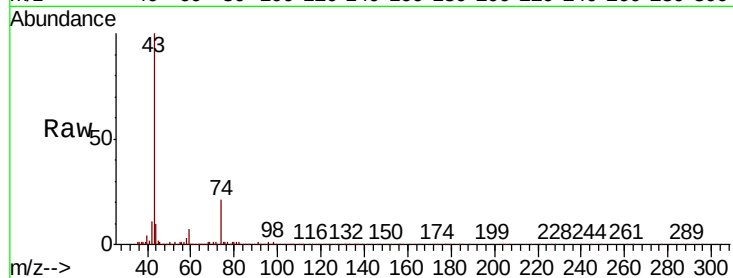




#15
Methvl Acetate
Concen: 4.373 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.01 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

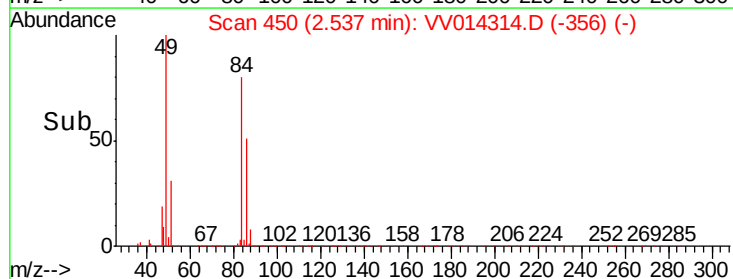
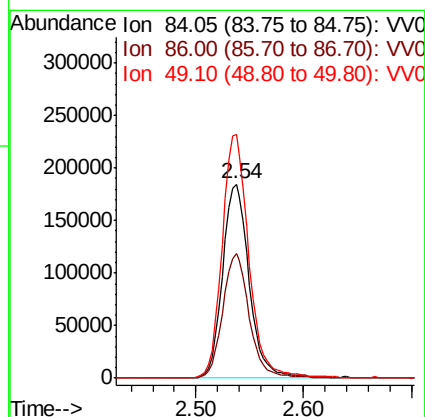
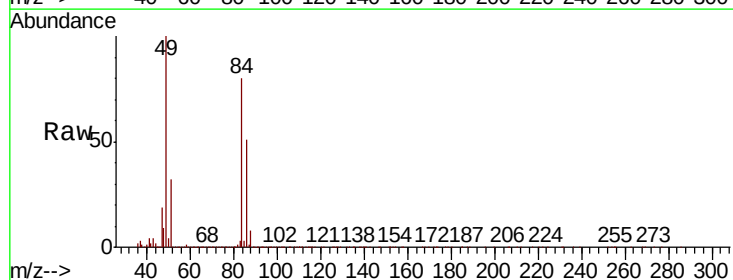
Instrument :
MSVOA_V
ClientSampleId :

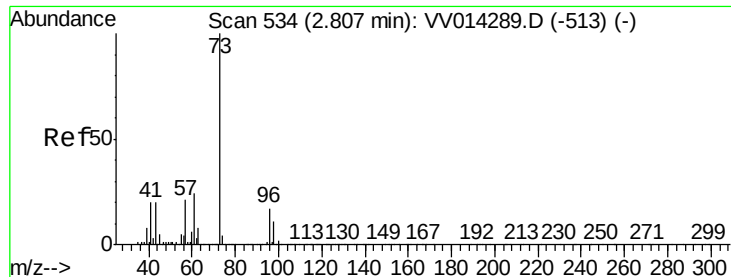
Tot Ion: 43 Resp: 104934
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



#16
Methylene chloride
Concen: 4.890 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion: 84 Resp: 316677
Ion Ratio Lower Upper
84 100
86 64.0 43.1 80.1
49 125.6 82.1 152.5

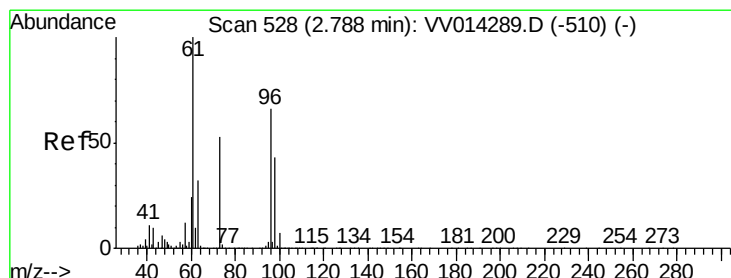
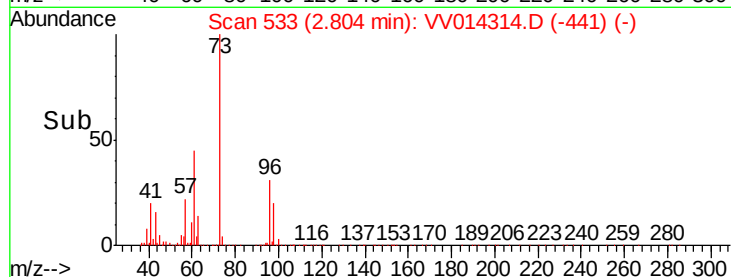
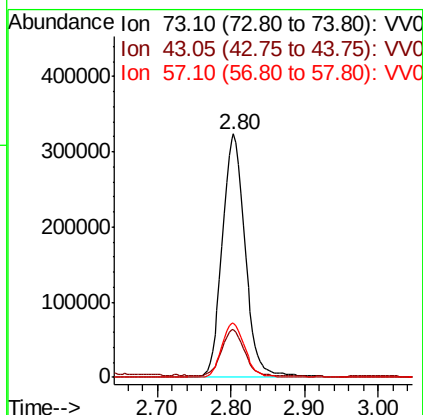
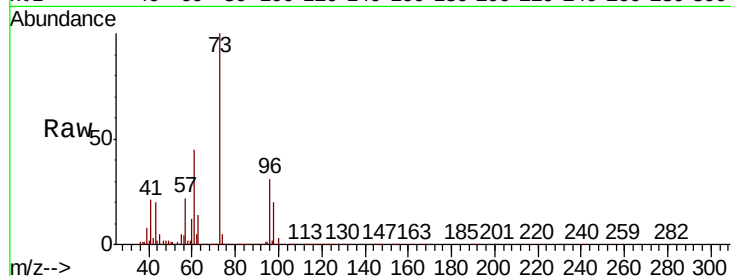




#17
Methvl tert-butvl Ether
Concen: 4.737 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

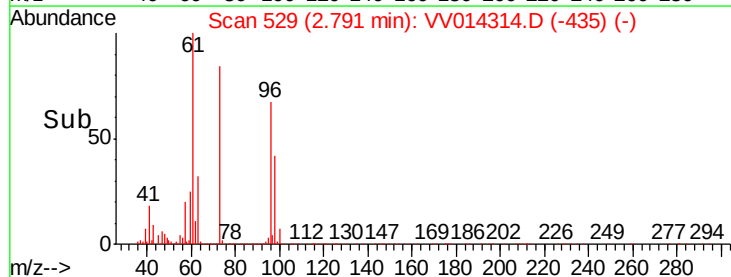
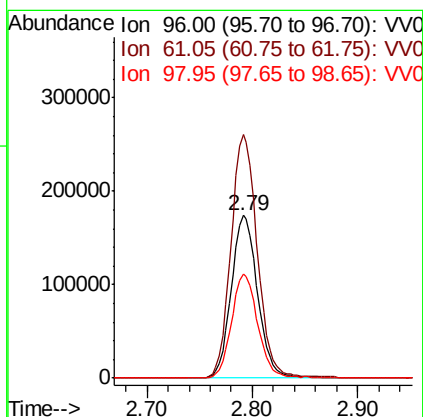
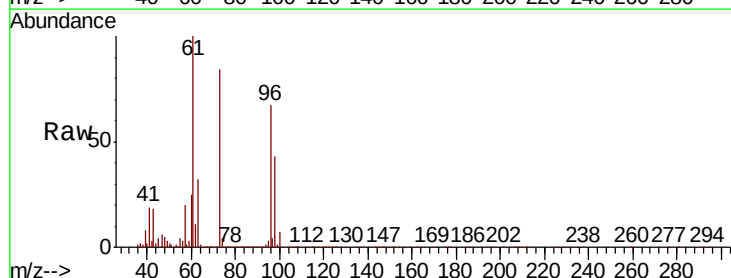
Instrument :
MSVOA_V
ClientSampleId :

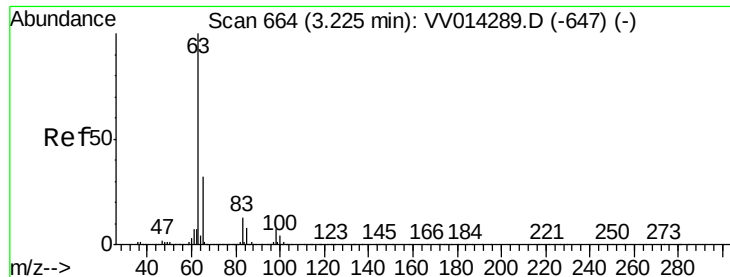
Tot Ion: 73 Resp: 697420
Ion Ratio Lower Upper
73 100
43 18.4 14.7 22.1
57 23.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.043 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion: 96 Resp: 301558
Ion Ratio Lower Upper
96 100
61 149.6 99.2 184.2
98 63.7 43.1 80.1

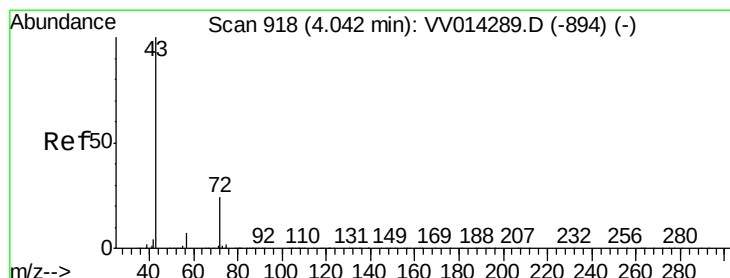
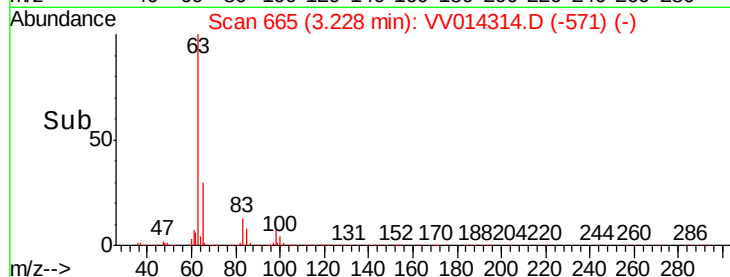
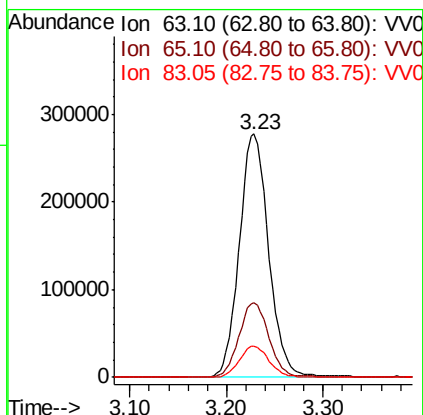
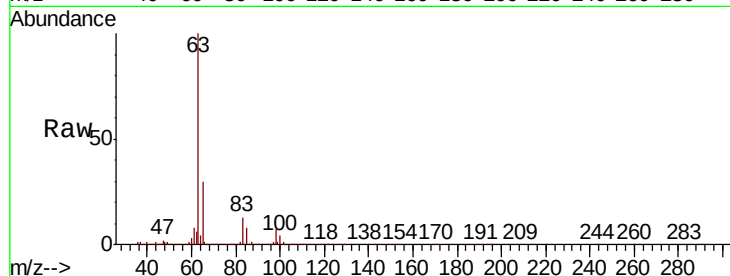




#19
 1,1-Dichloroethane
 Concen: 4.989 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

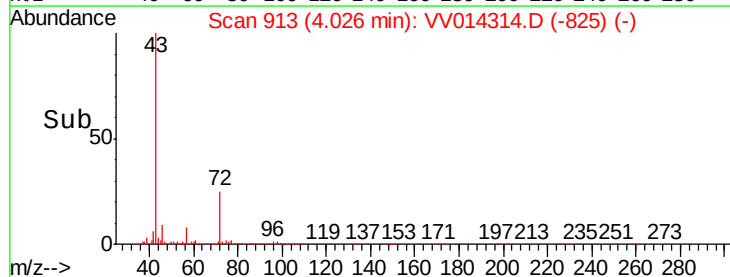
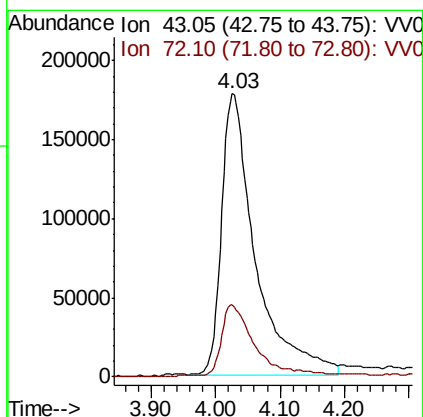
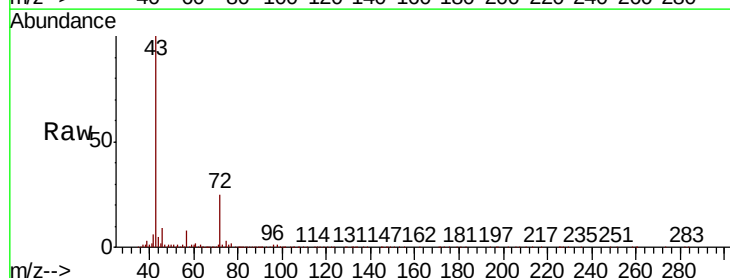
Instrument :
 MSVOA_V
 ClientSampleId :

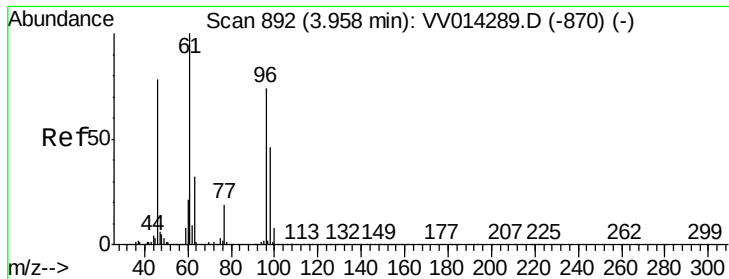
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.7	42.3
83	12.9	10.0	18.6



#21
 2-Butanone
 Concen: 41.967 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	12.4	37.2



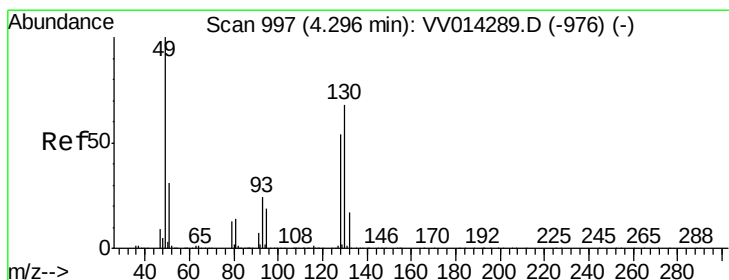
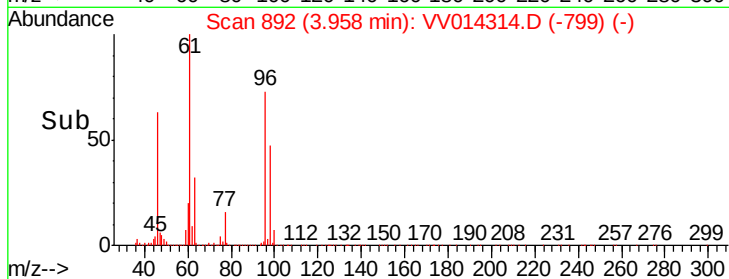
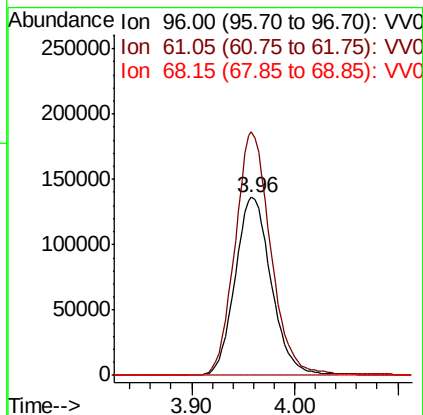
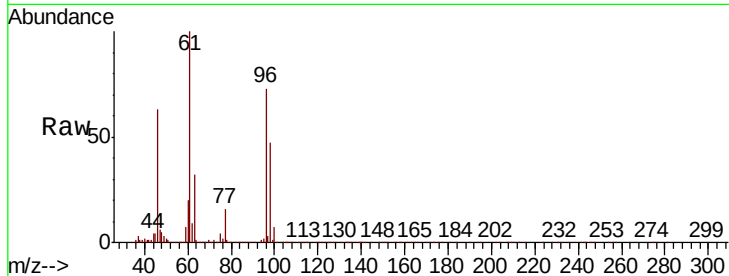


#22

cis-1,2-Dichloroethene
Concen: 5.043 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Instrument :
MSVOA_V
ClientSampleId :

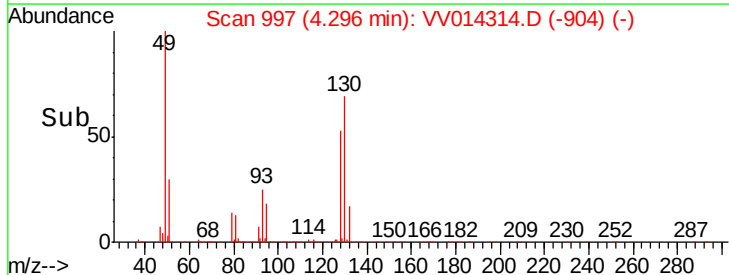
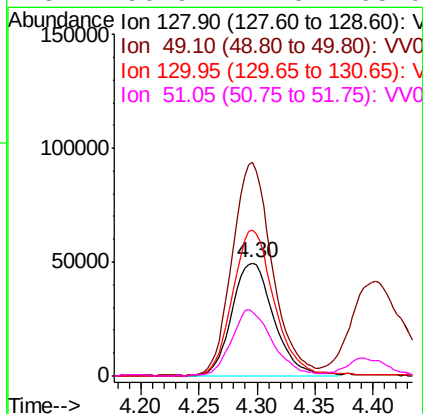
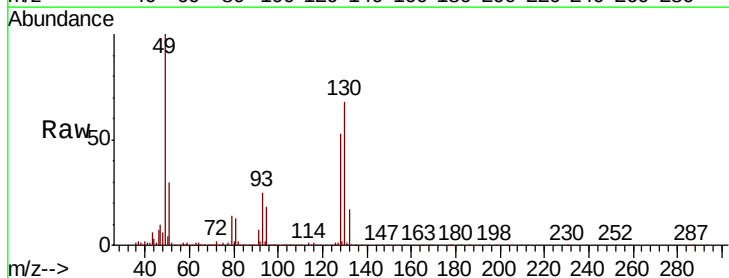
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	90.6	168.3
68	0.0	0.3	0.7#

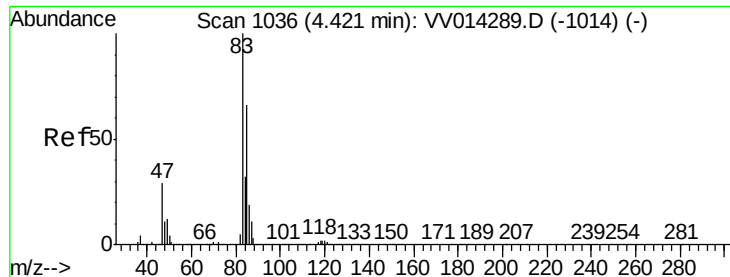


#23

Bromochloromethane
Concen: 4.952 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.7	117.5	218.1
130	128.9	93.7	173.9
51	56.9	42.0	63.0





#25

Chloroform

Concen: 5.047 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

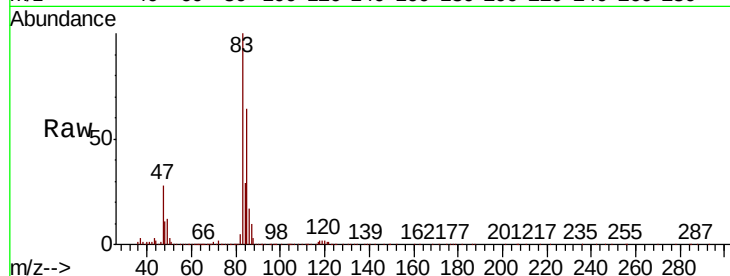
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 566339

Ion Ratio Lower Upper

83 100

85 63.6 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

250000

200000

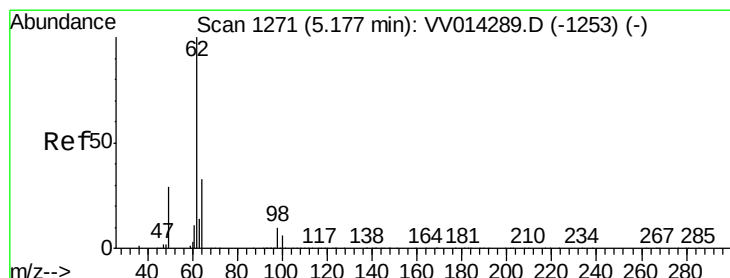
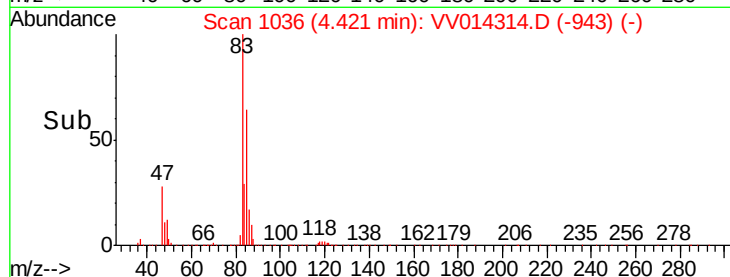
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 4.730 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV014314.D

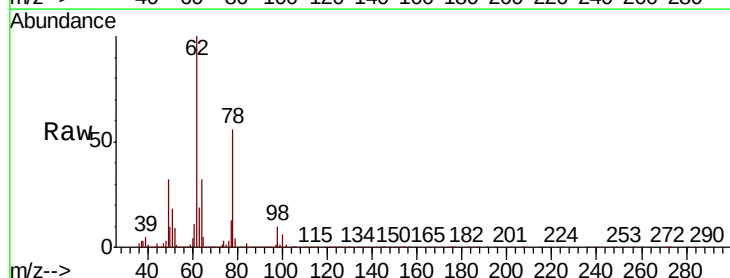
Acq: 16 Jan 2020 09:31

Tgt Ion: 62 Resp: 317511

Ion Ratio Lower Upper

62 100

98 9.6 9.2 13.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

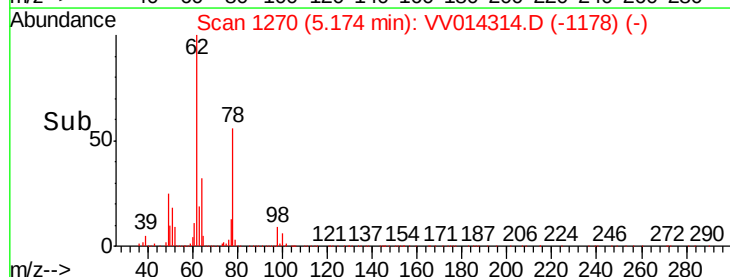
150000

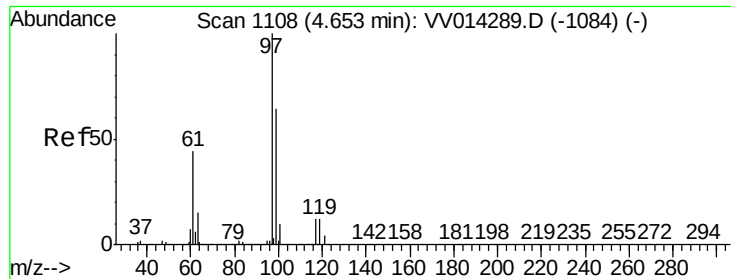
100000

50000

0

Time-->

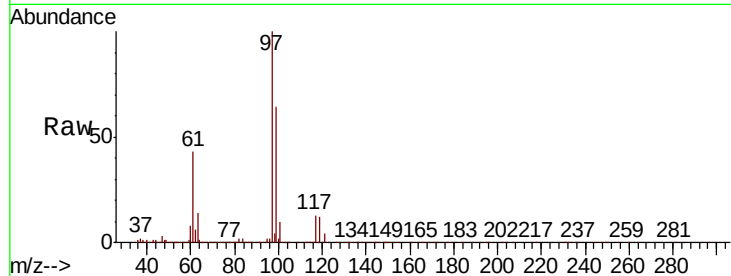




#29
 1,1,1-Trichloroethane
 Concen: 5.085 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	42.3	33.9	50.9

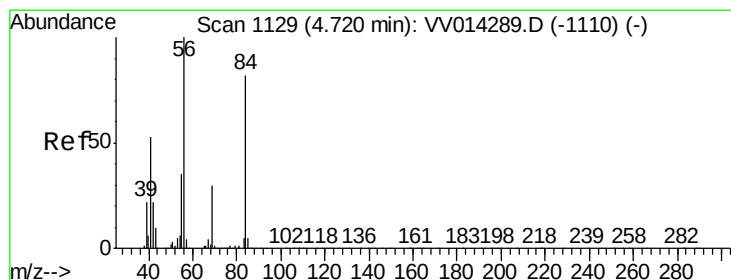
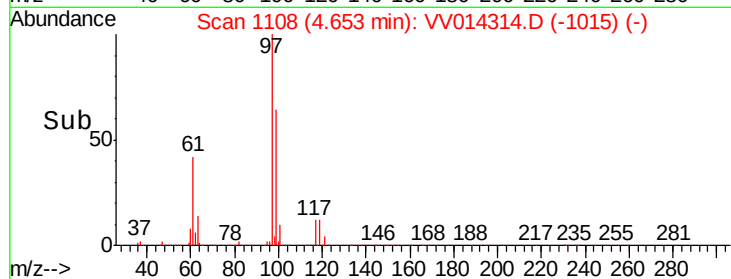
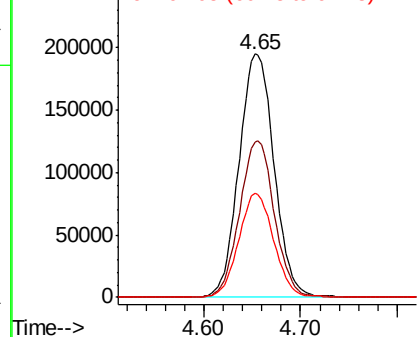


Abundance

Ion 96.95 (96.65 to 97.65): VV0

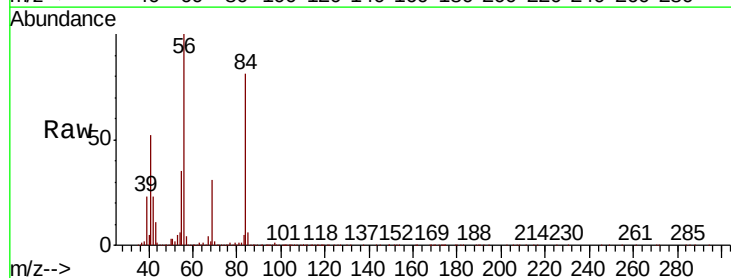
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 5.398 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.9	35.9
84	83.2	68.9	103.3

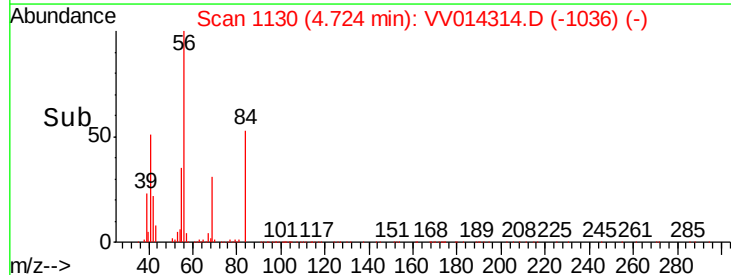
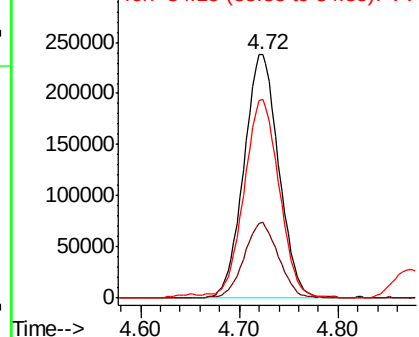


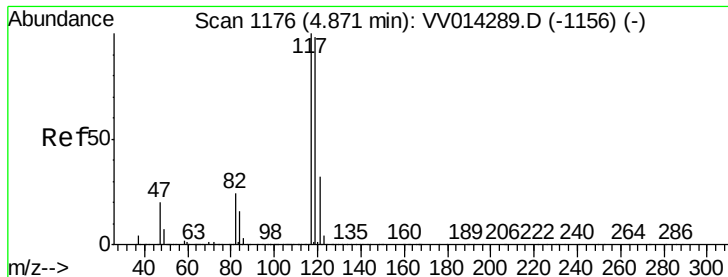
Abundance

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: 5.059 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

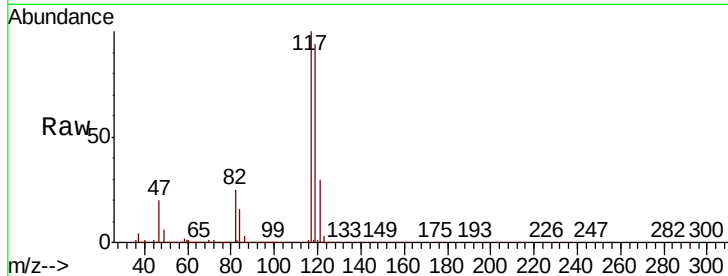
ClientSampleId :

Tot Ion:117 Resp: 419079

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

200000

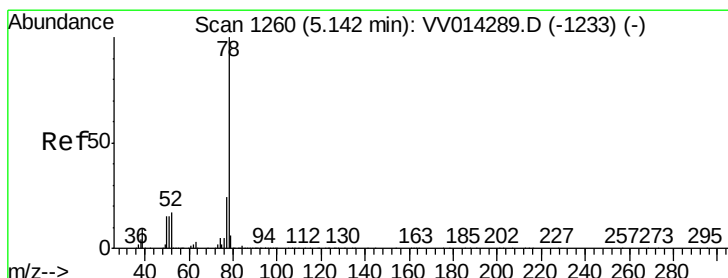
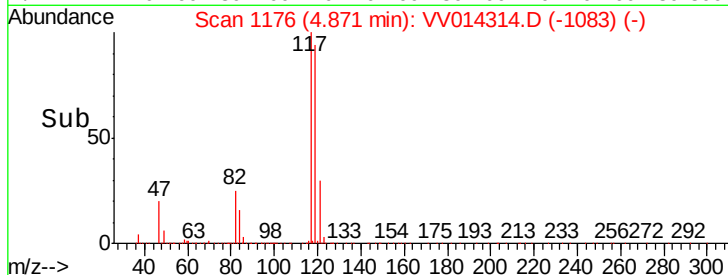
150000

100000

50000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 5.068 ug/L

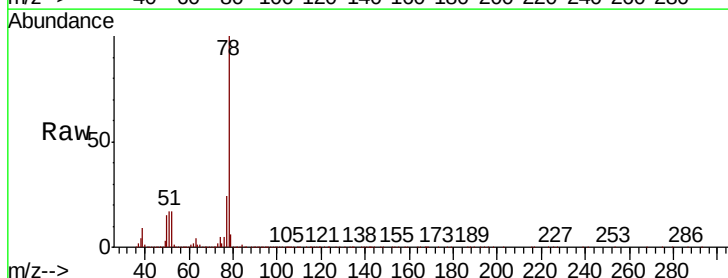
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Tgt Ion: 78 Resp: 1268334



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

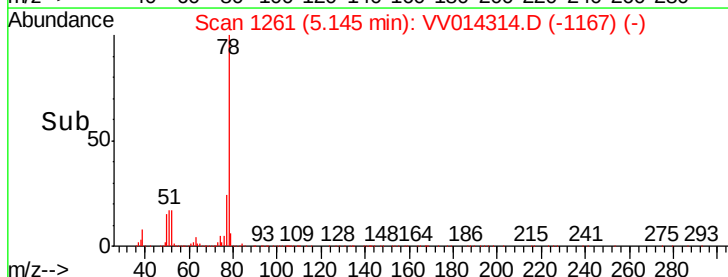
600000

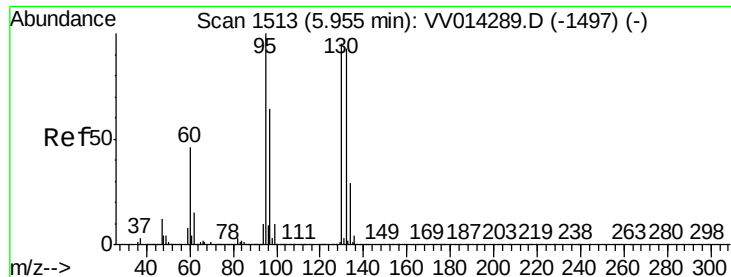
400000

200000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 5.101 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 328073

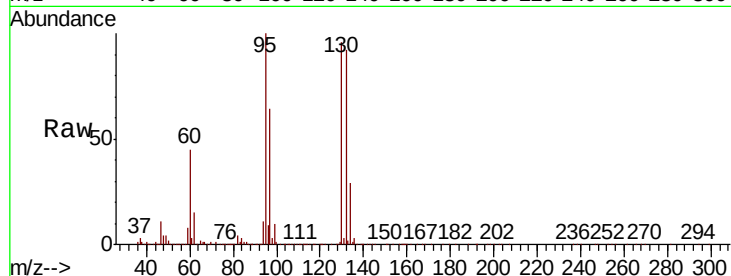
Ion Ratio Lower Upper

95 100

97 64.1 43.8 81.3

132 92.2 63.4 117.8

130 96.4 65.7 122.1

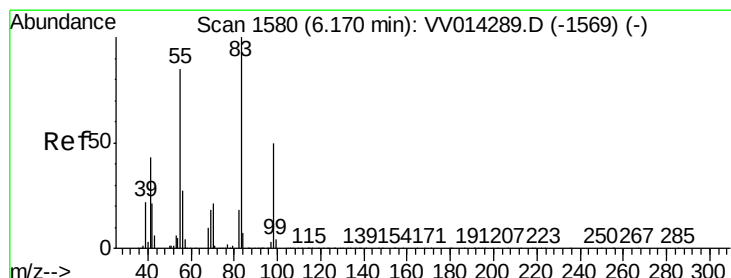
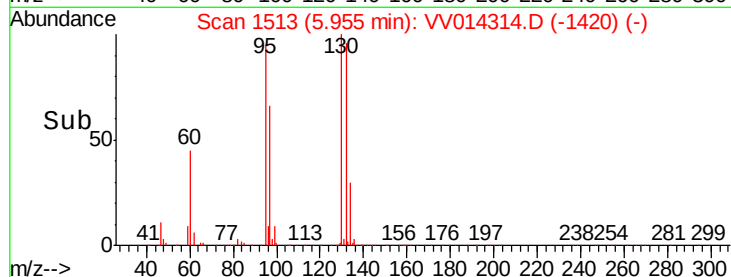
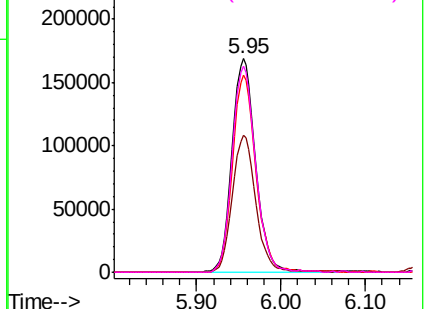


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.522 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

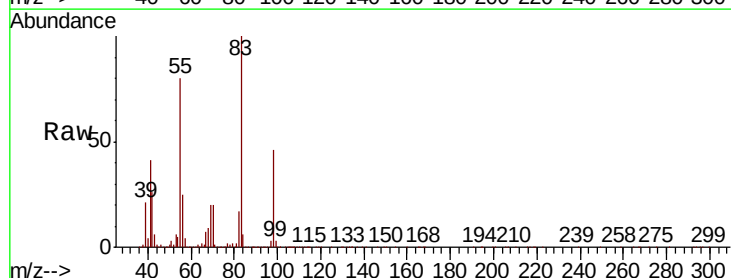
Tgt Ion: 83 Resp: 580689

Ion Ratio Lower Upper

83 100

55 80.6 61.7 92.5

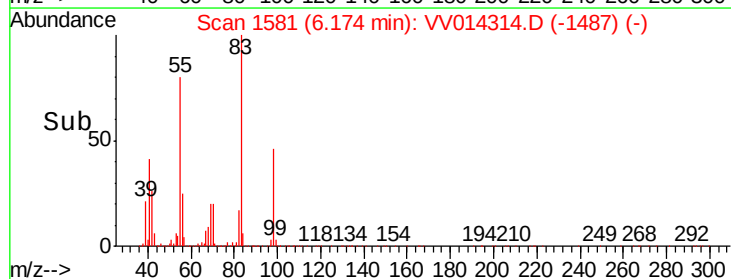
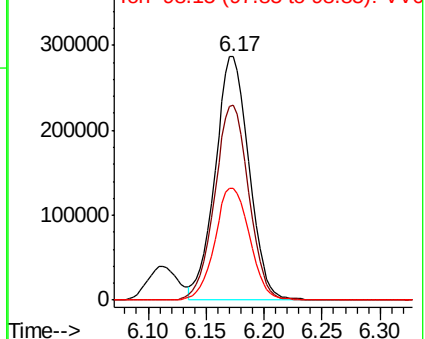
98 47.5 38.1 57.1

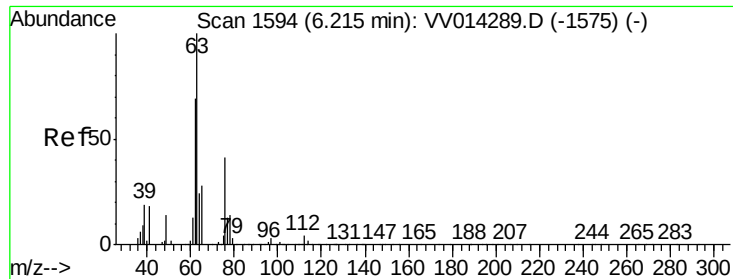


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

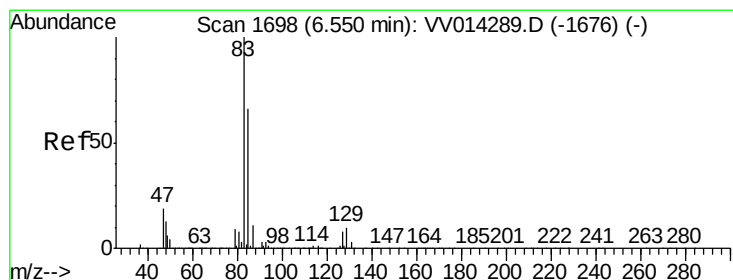
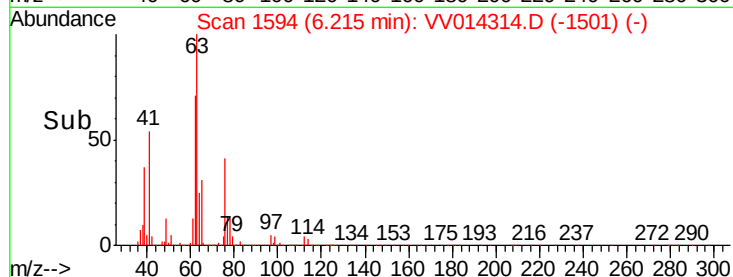
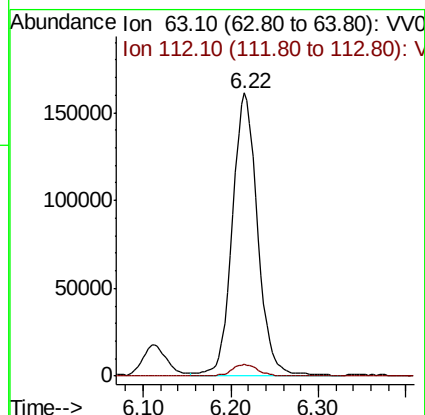
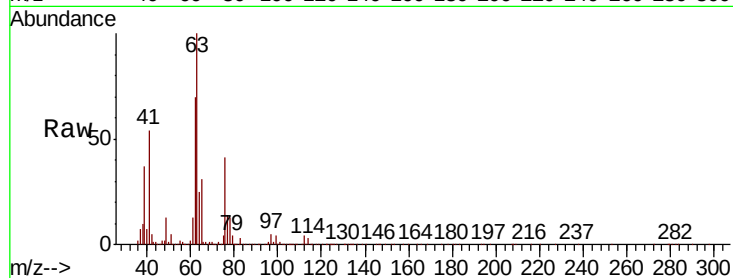




#37
 1,2-Dichloropropane
 Concen: 5.051 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

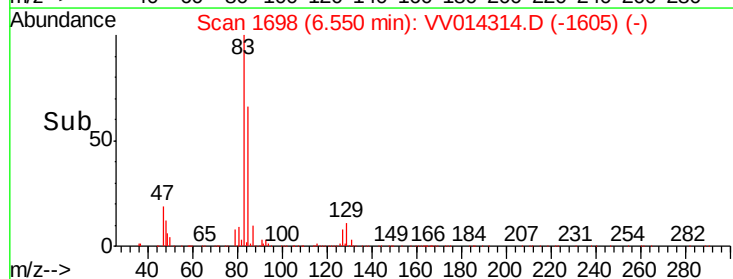
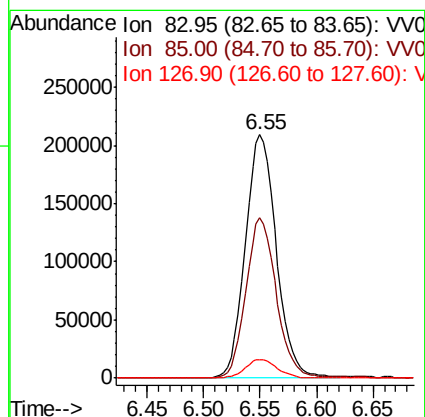
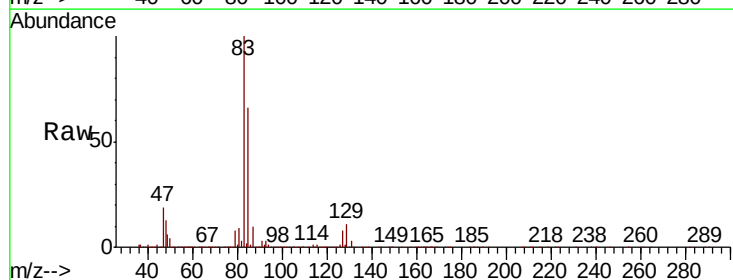
Instrument :
 MSVOA_V
 ClientSampleId :

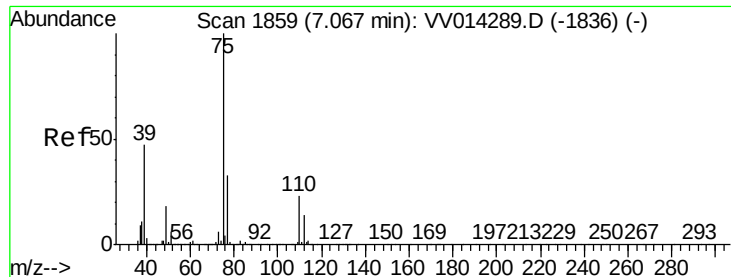
Tot Ion: 63 Resp: 319109
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.897 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion: 83 Resp: 398898
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.4 86.2
 127 7.6 6.3 9.5

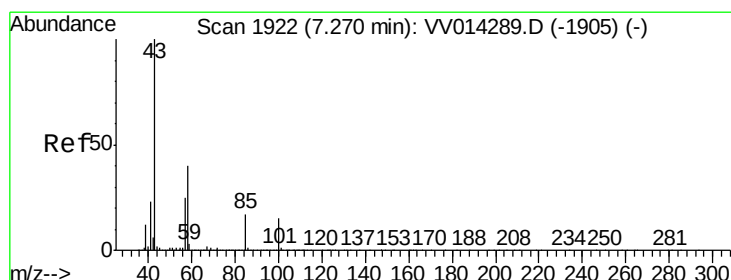
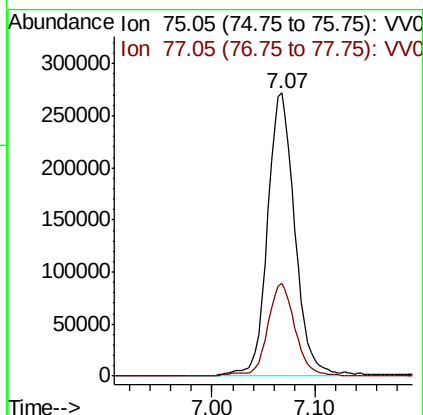
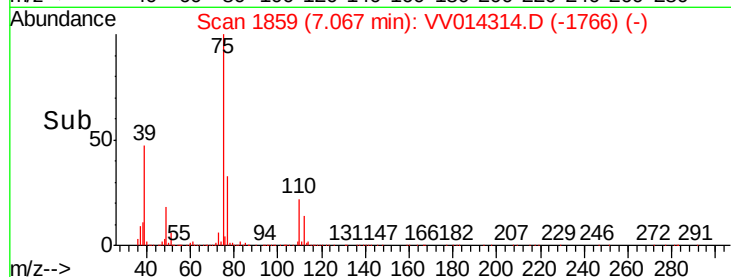
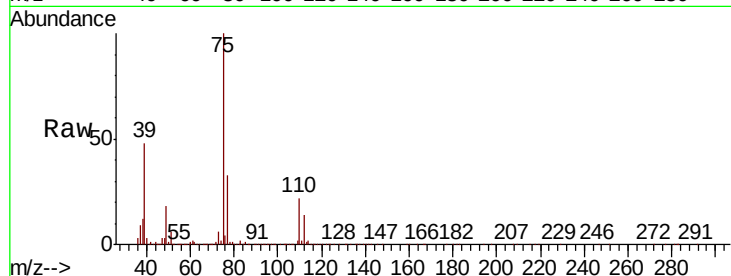




#39
 cis-1,3-Dichloropropene
 Concen: 4.857 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

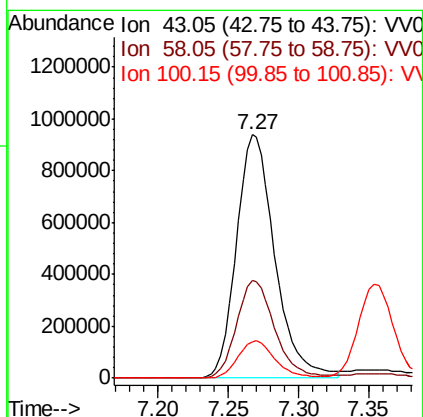
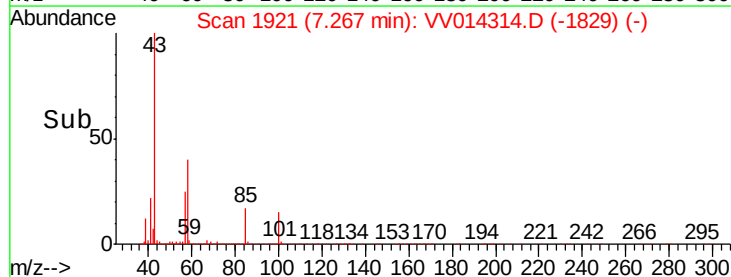
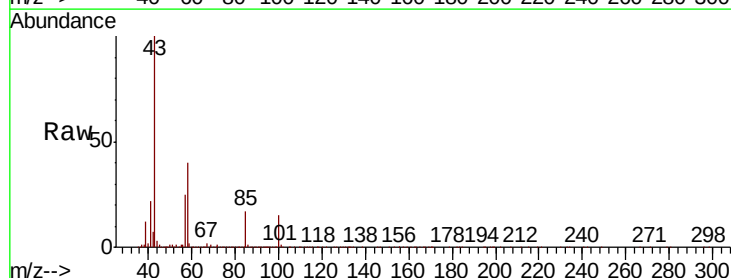
Instrument :
 MSVOA_V
 ClientSampleId :

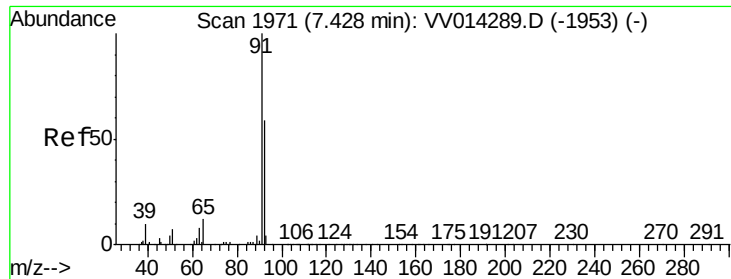
Tot Ion: 75 Resp: 496753
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 44.947 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion: 43 Resp: 1789802
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.5 47.3
 100 14.9 12.2 18.2





#42

Toluene

Concen: 5.105 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

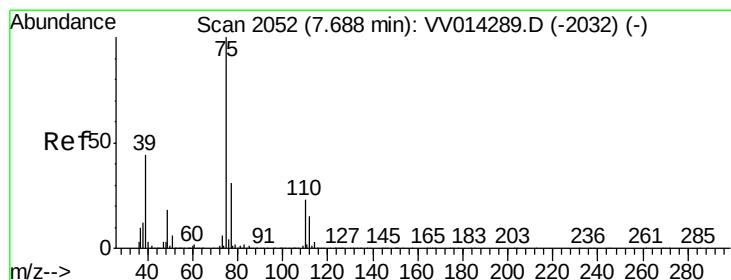
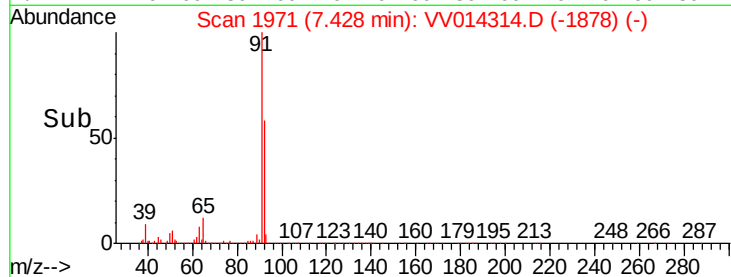
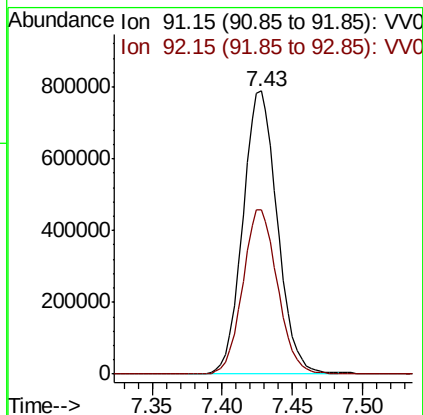
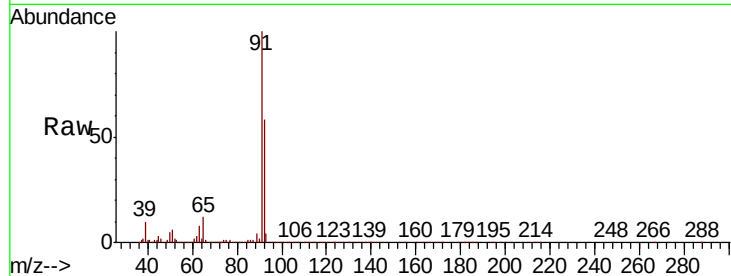
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1348642

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.925 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014314.D

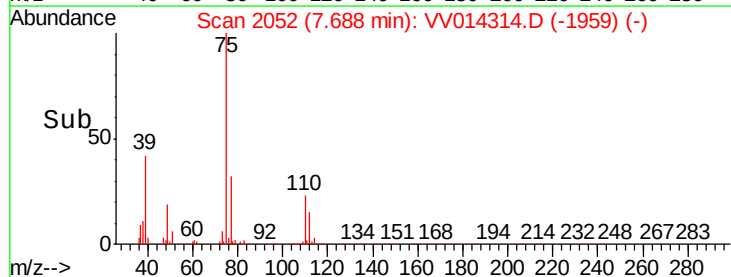
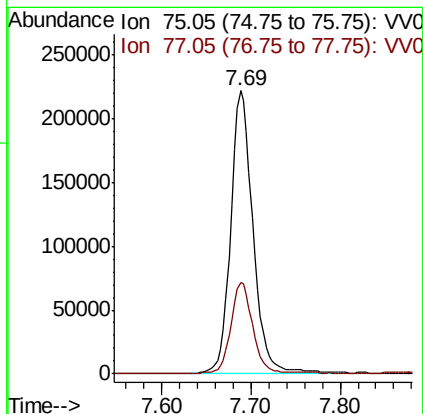
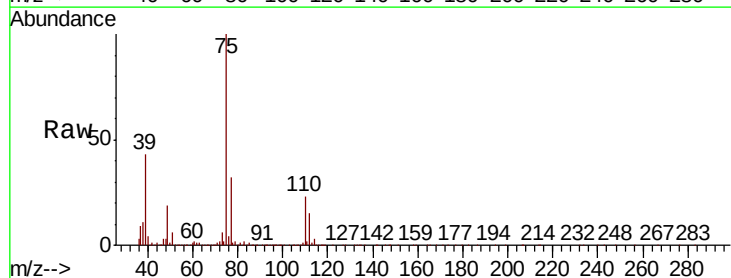
Acq: 16 Jan 2020 09:31

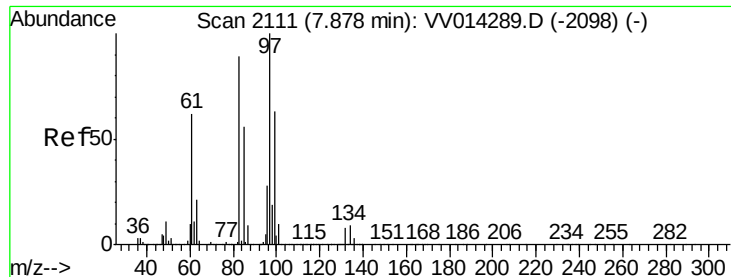
Tgt Ion: 75 Resp: 386775

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0

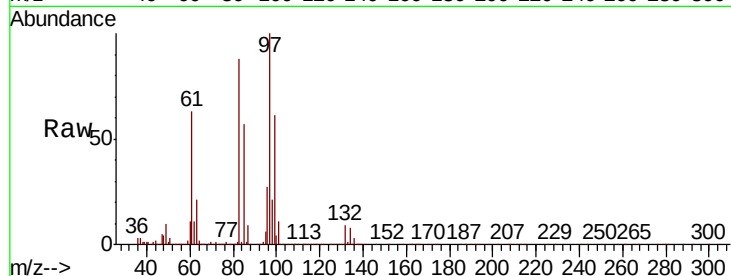




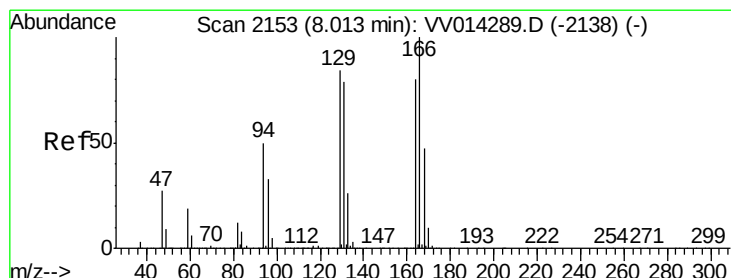
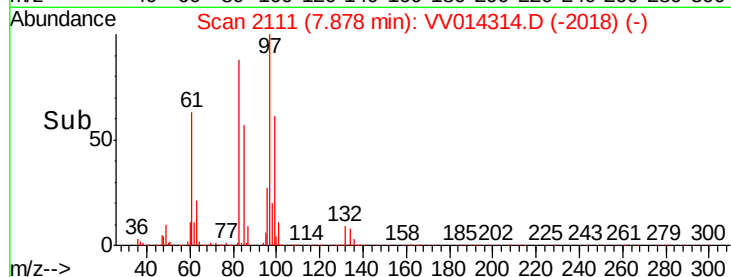
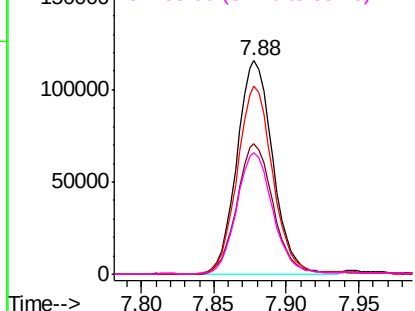
#45
 1,1,2-Trichloroethane
 Concen: 4.937 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	199219
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.7	81.1
83	88.2	60.0	111.4
85	57.2	39.2	72.8

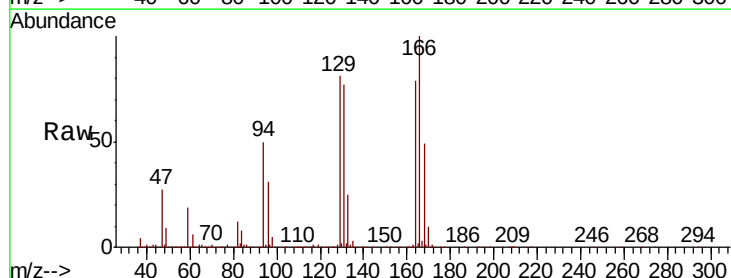


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

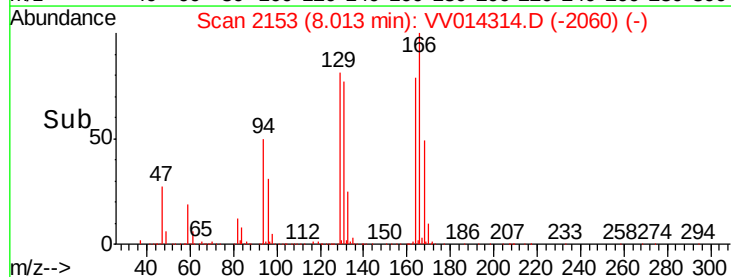
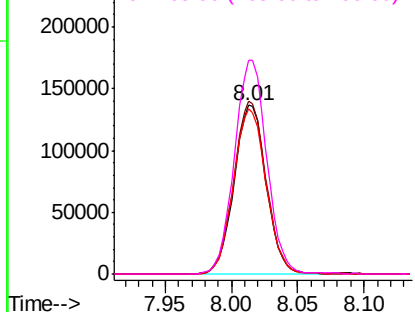


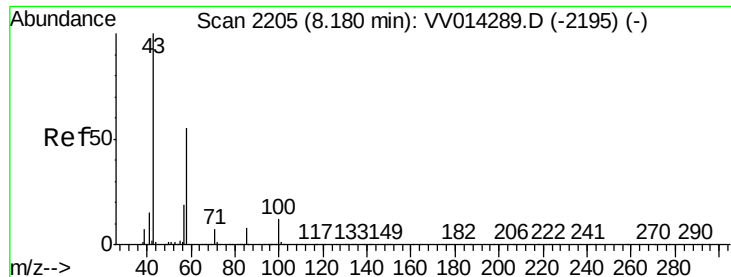
#47
 Tetrachloroethene
 Concen: 5.230 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion:	164	Resp:	229778
Ion	Ratio	Lower	Upper
164	100		
129	102.8	71.7	133.3
131	97.7	70.4	130.8
166	126.5	90.3	167.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

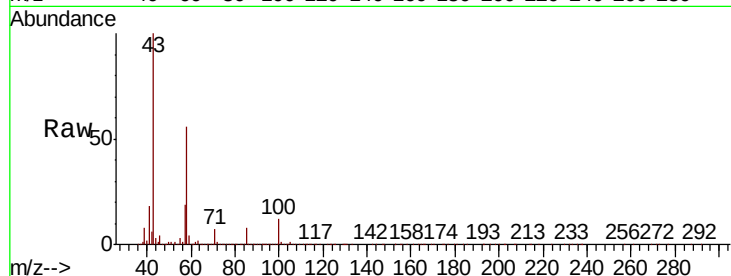




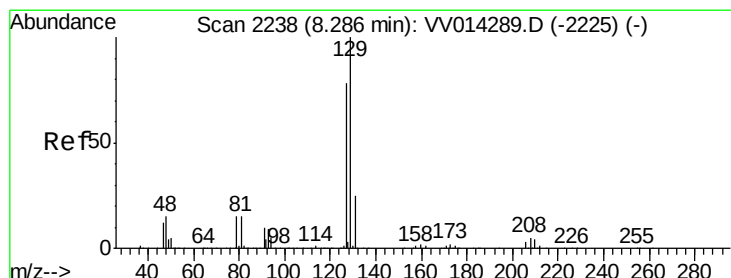
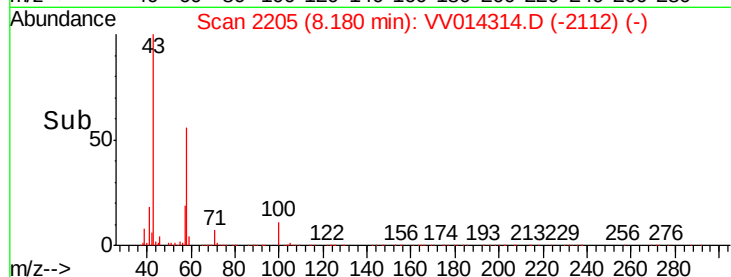
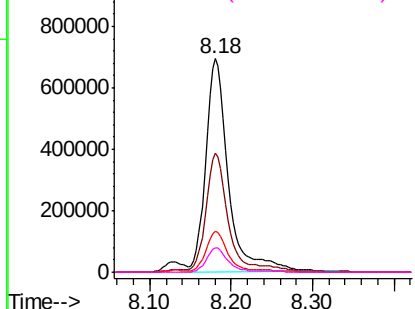
#48
2-Hexanone
Concen: 49.276 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1357196
Ion Ratio Lower Upper
43 100
58 55.9 45.4 68.0
57 17.0 15.8 23.8
100 11.5 10.2 15.4

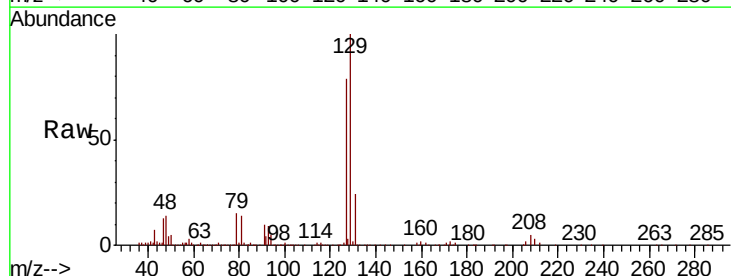


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

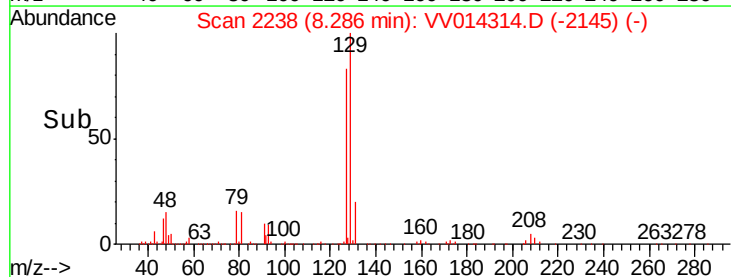
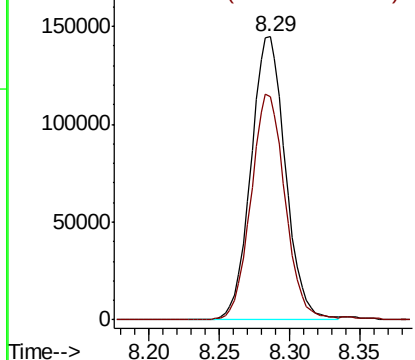


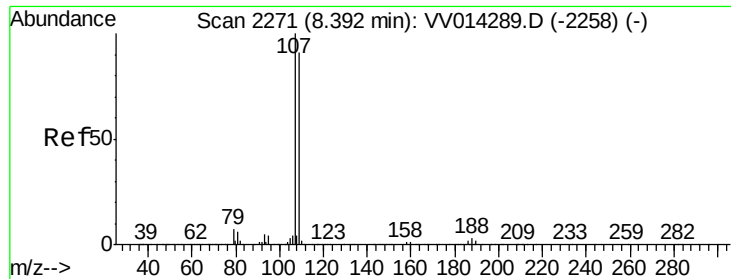
#49
Dibromochloromethane
Concen: 4.859 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion: 129 Resp: 247876
Ion Ratio Lower Upper
129 100
127 78.9 55.7 103.5



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

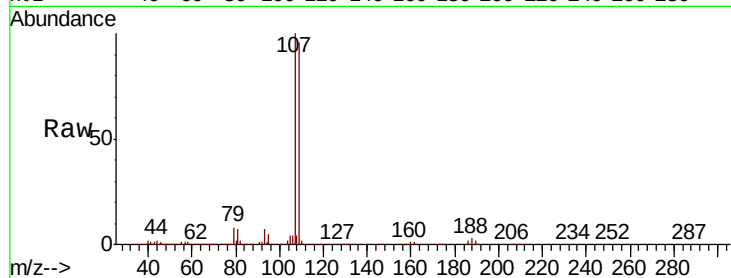




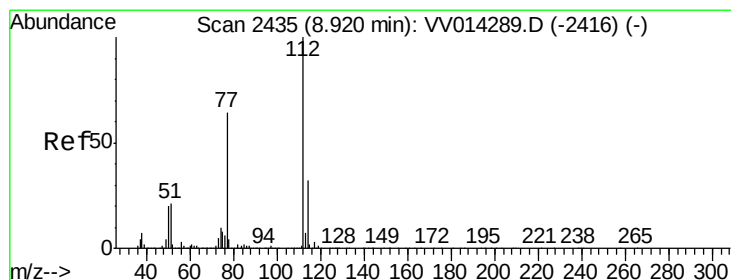
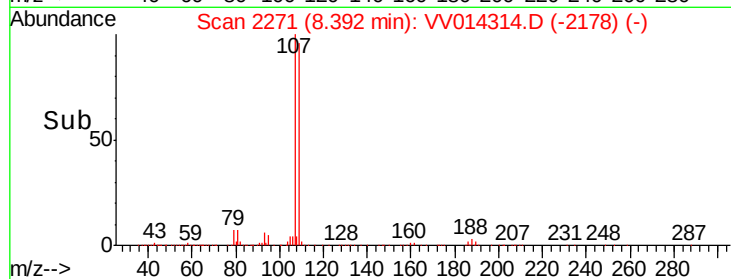
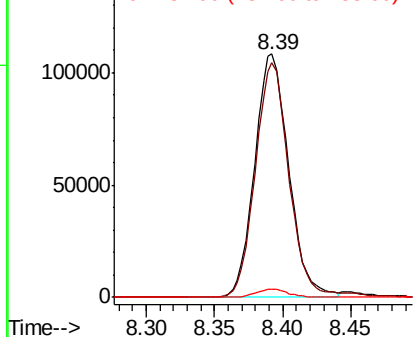
#50
1,2-Dibromoethane
Concen: 4.812 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	188057
Ion	Ratio	Lower	Upper
107	100		
109	96.4	63.0	117.0
188	3.3	3.0	4.4

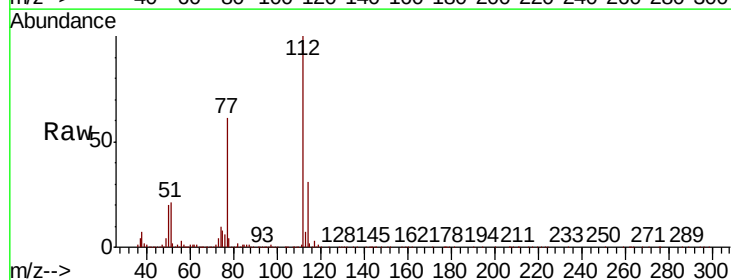


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

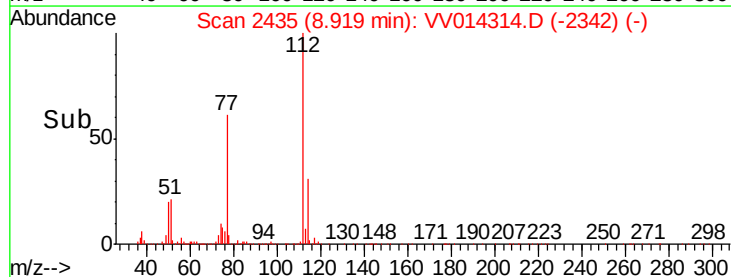
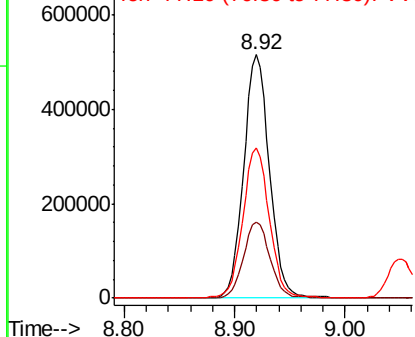


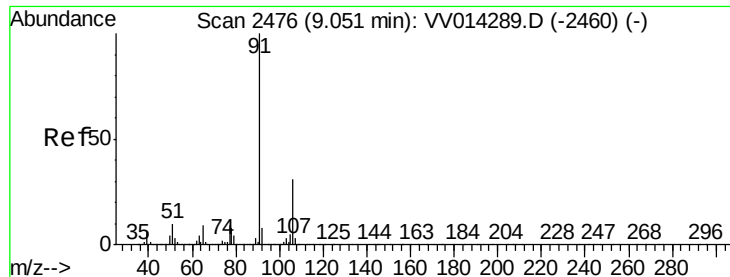
#51
Chlorobenzene
Concen: 5.125 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion:	112	Resp:	832581
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.5	41.7
77	61.4	49.3	73.9



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





#52

Ethylbenzene

Concen: 5.275 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

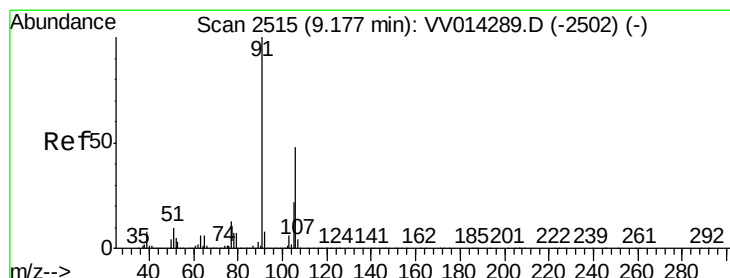
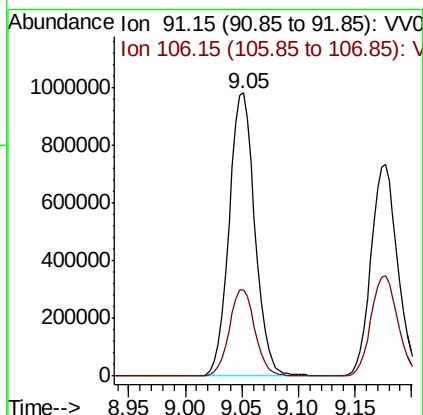
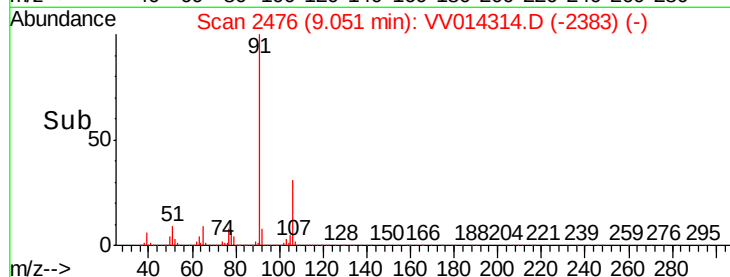
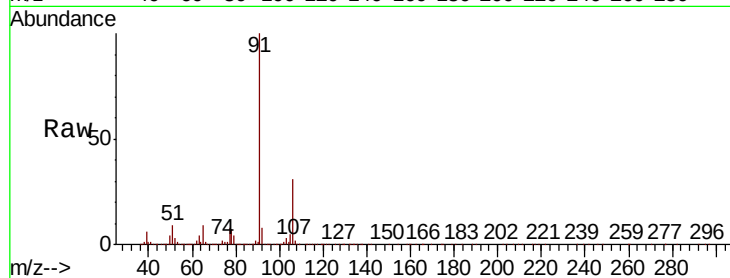
ClientSampled :

Tot Ion: 91 Resp: 1559138

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



#53

m,p-xylene

Concen: 5.276 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014314.D

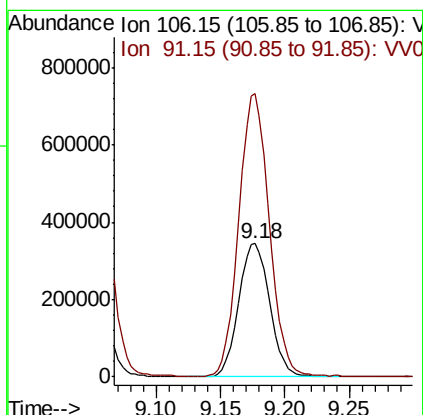
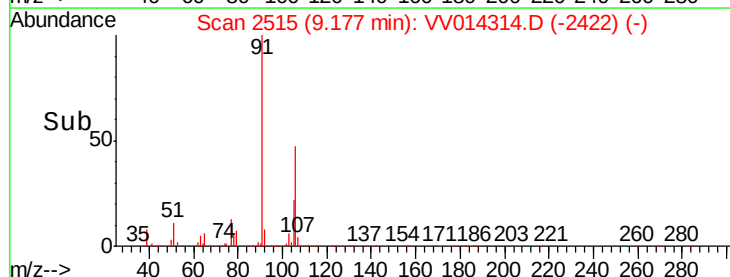
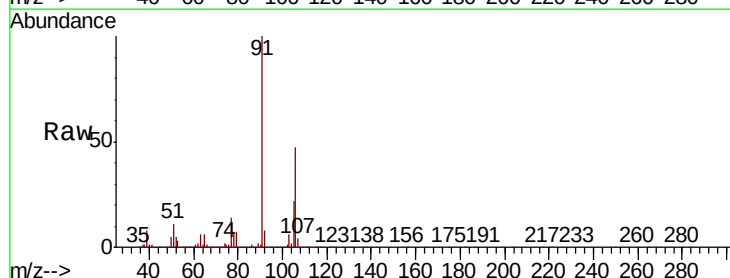
Acq: 16 Jan 2020 09:31

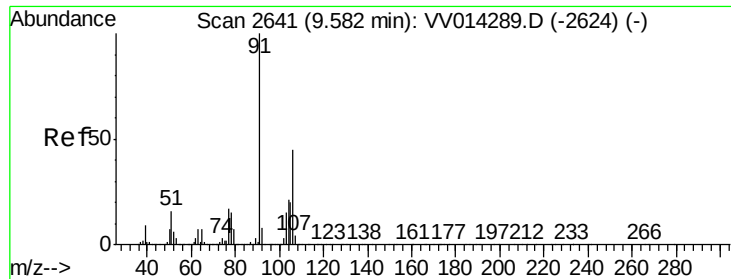
Tgt Ion: 106 Resp: 575213

Ion Ratio Lower Upper

106 100

91 212.0 146.8 272.6

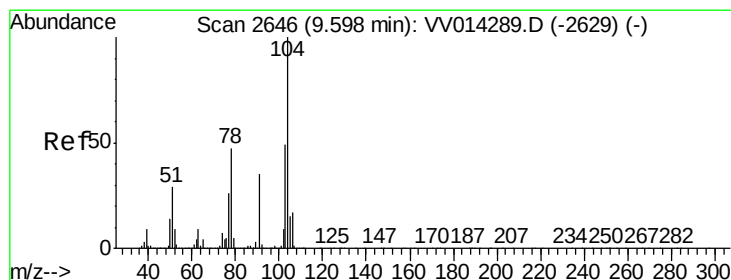
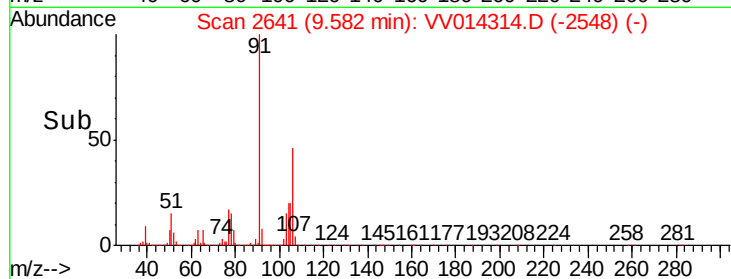
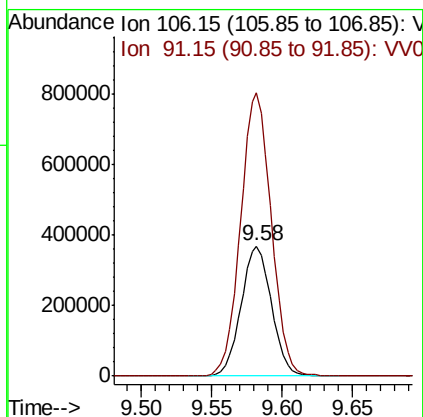
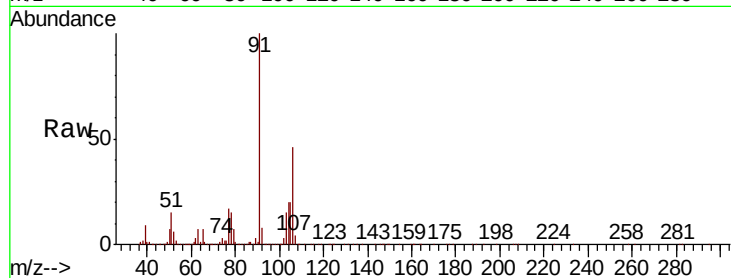




#54
o-xylene
Concen: 5.211 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

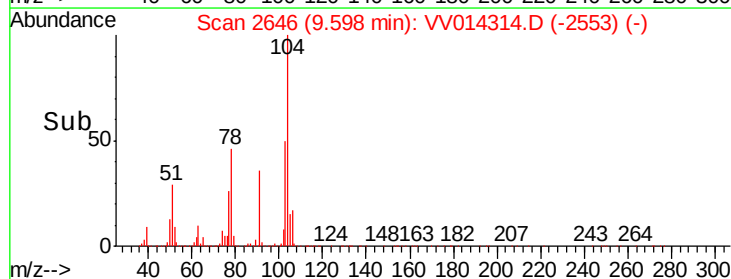
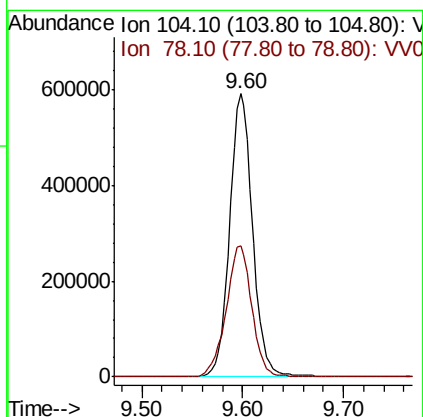
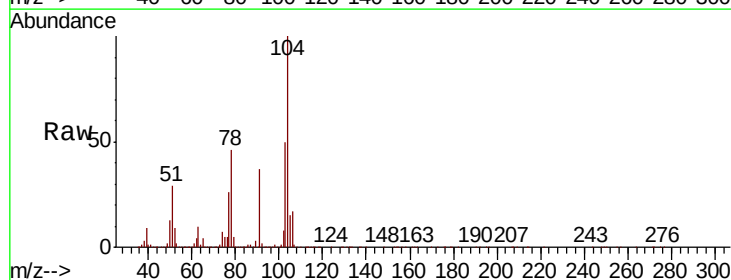
Instrument :
MSVOA_V
ClientSampled :

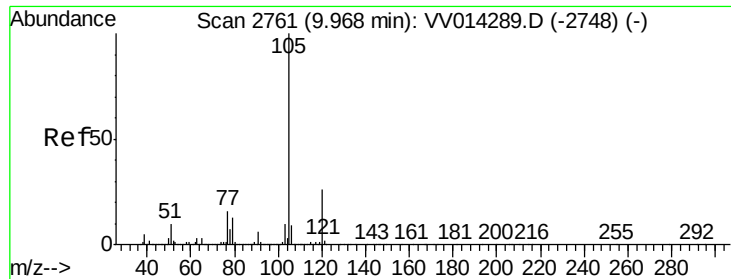
Tot Ion:106 Resp: 558687
Ion Ratio Lower Upper
106 100
91 218.0 150.9 280.3



#55
Styrene
Concen: 5.171 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014314.D
Acq: 16 Jan 2020 09:31

Tgt Ion:104 Resp: 939079
Ion Ratio Lower Upper
104 100
78 46.4 31.7 58.9





#56

Isopropylbenzene

Concen: 5.383 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

ClientSampled :

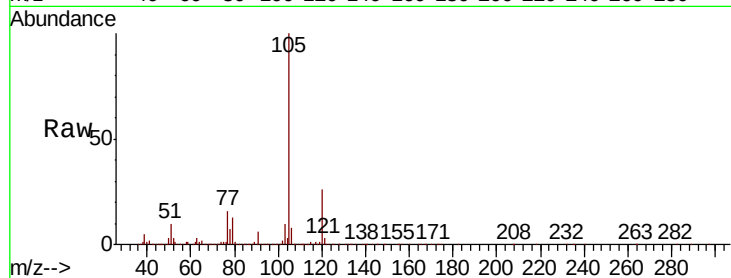
Tot Ion:105 Resp: 1505315

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

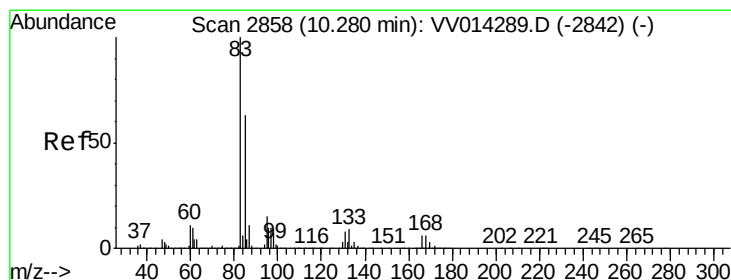
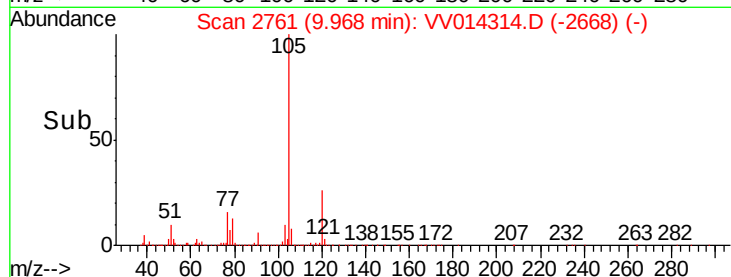
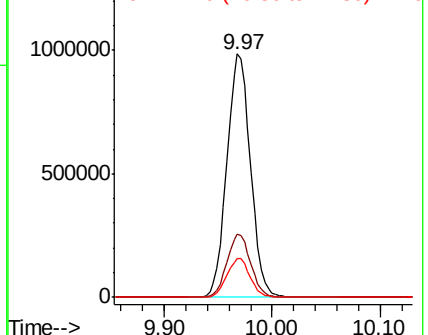
77 15.7 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

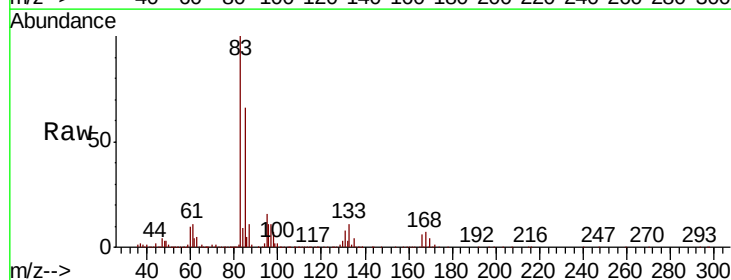
Tgt Ion: 83 Resp: 248813

Ion Ratio Lower Upper

83 100

85 65.7 45.9 85.3

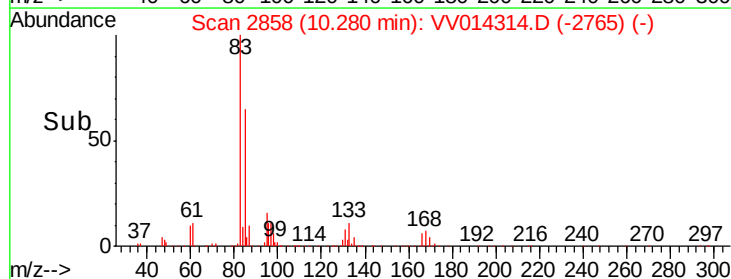
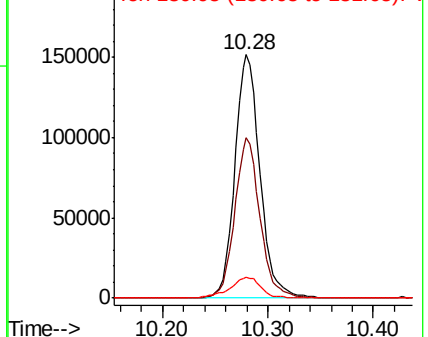
131 8.4 7.8 11.8

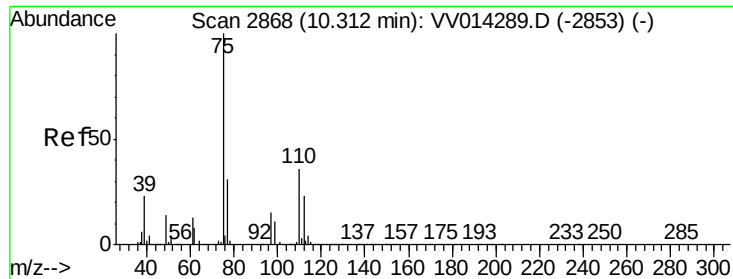


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.779 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

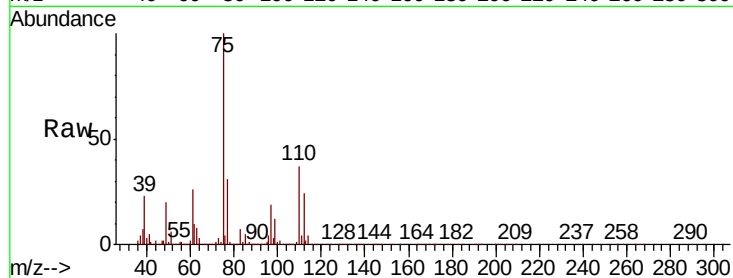
ClientSampleId :

Tot Ion: 75 Resp: 179892

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.31

120000

100000

80000

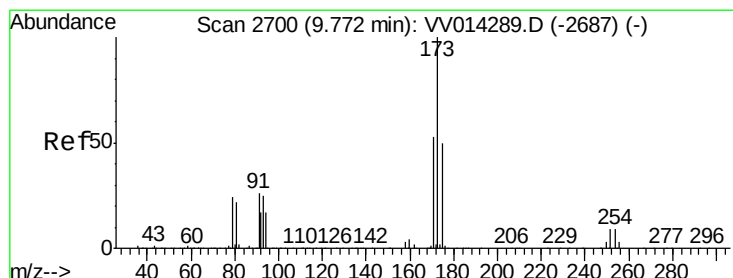
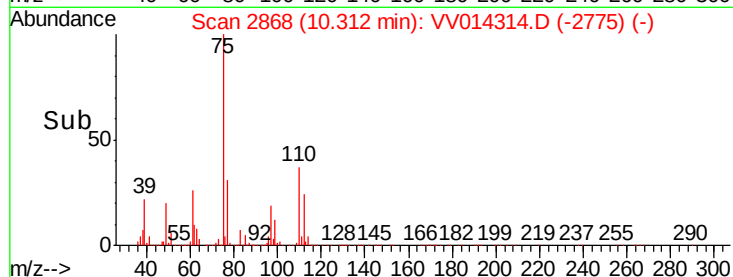
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 4.698 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

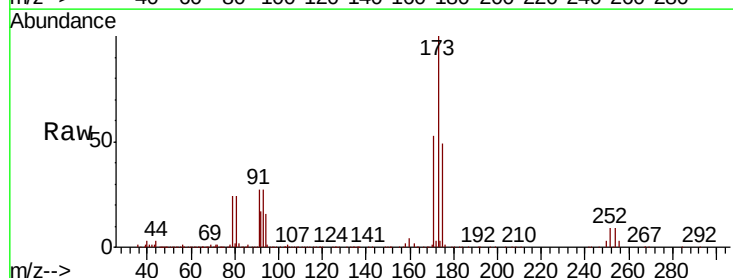
Tgt Ion: 173 Resp: 123192

Ion Ratio Lower Upper

173 100

175 49.0 37.9 56.9

254 9.4 7.6 11.4



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

9.77

100000

80000

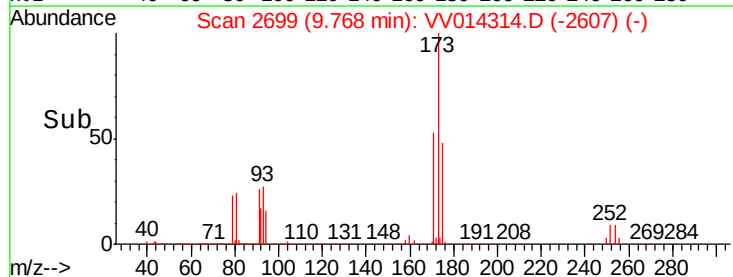
60000

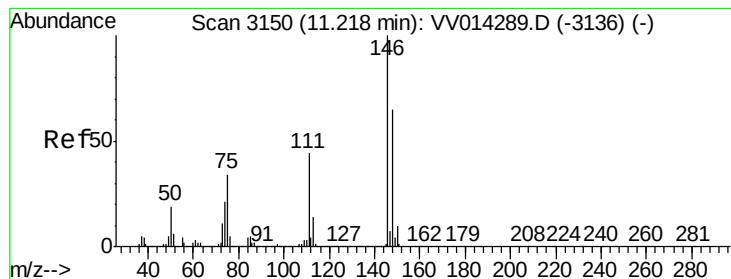
40000

20000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.207 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

ClientSampled :

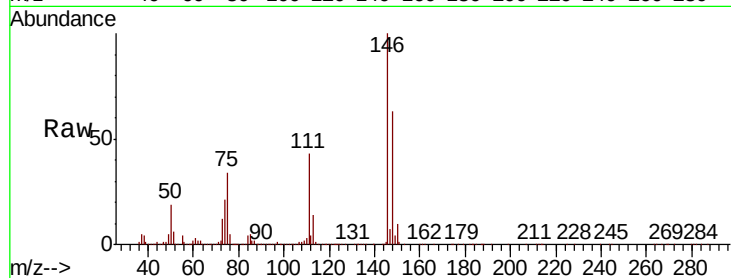
Tot Ion:146 Resp: 629722

Ion Ratio Lower Upper

146 100

111 43.3 30.7 57.1

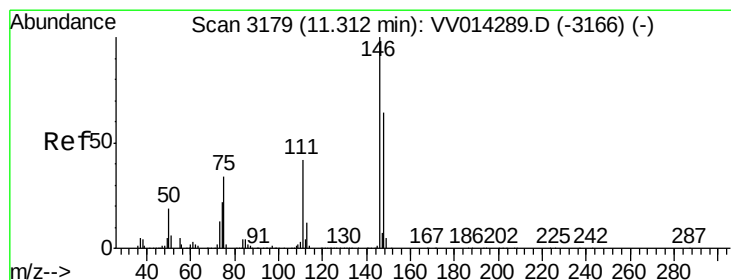
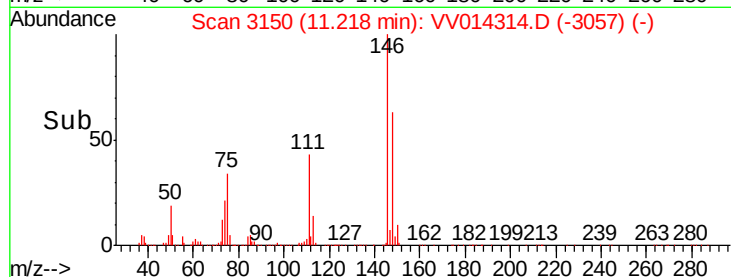
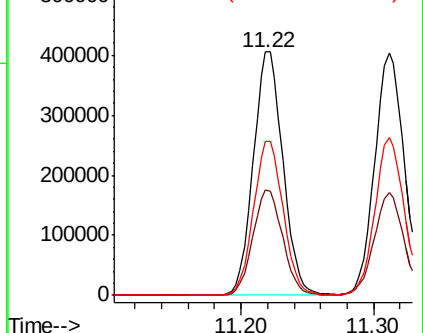
148 63.1 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.195 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

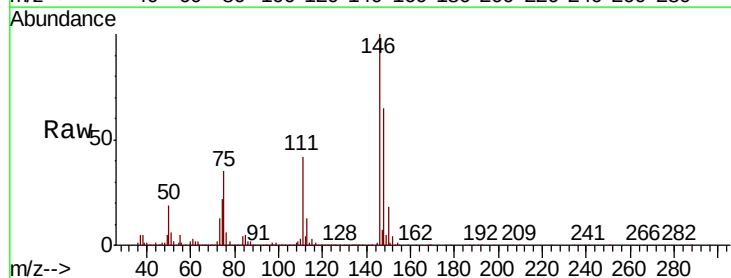
Tgt Ion:146 Resp: 624715

Ion Ratio Lower Upper

146 100

111 42.2 28.8 53.4

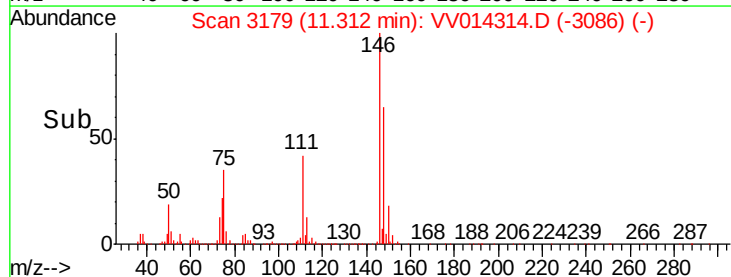
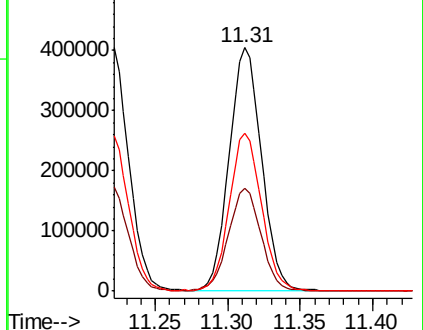
148 65.0 44.5 82.7

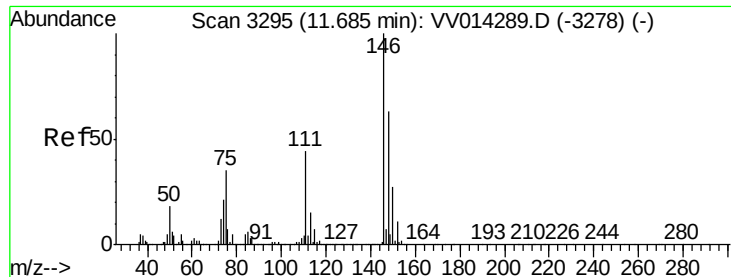


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

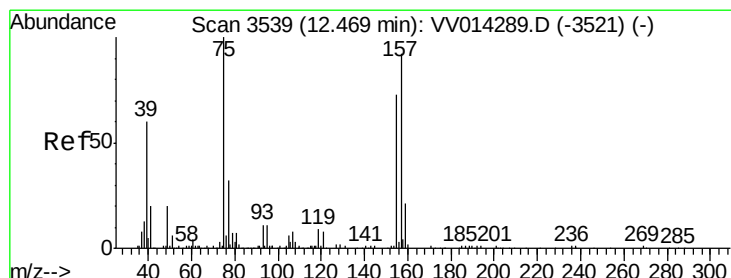
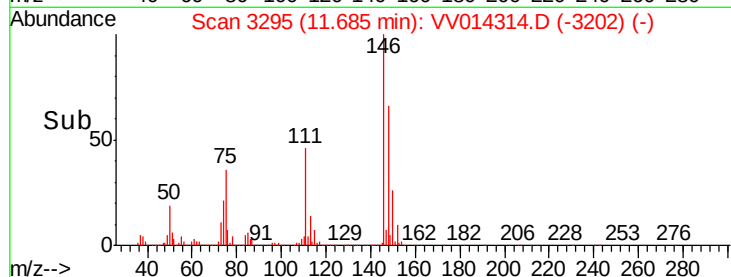
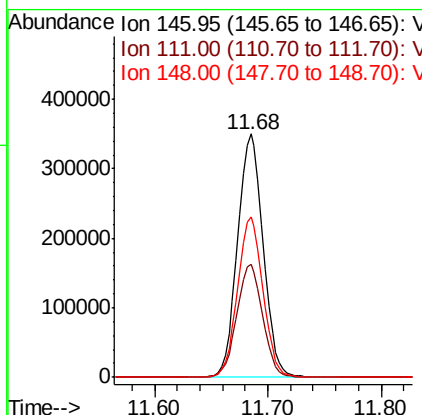
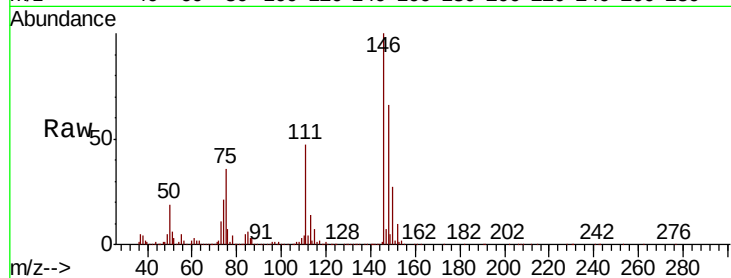




#65
 1,2-Dichlorobenzene
 Concen: 5.071 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

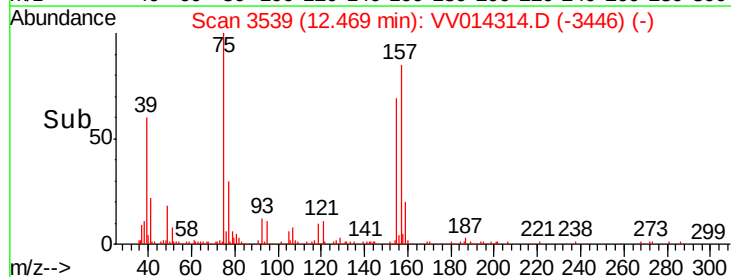
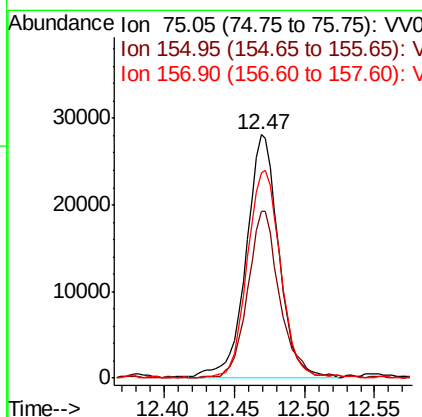
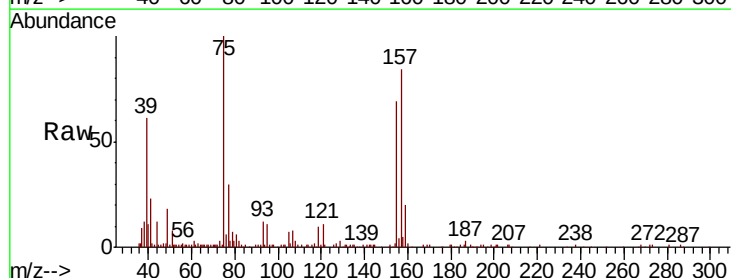
Instrument :
 MSVOA_V
 ClientSampleId :

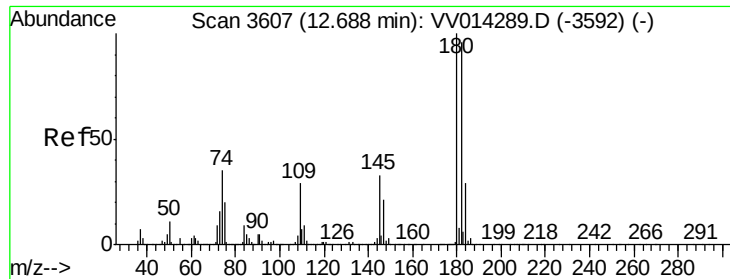
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	36.4	54.6
148	65.9	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.563 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	56.9	85.3
157	84.4	82.0	123.0

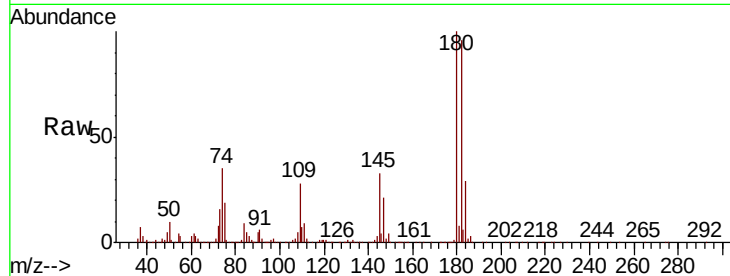




#67
 1,3,5-Trichlorobenzene
 Concen: 5.207 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
184	29.6	24.6	36.8
145	32.6	26.9	40.3



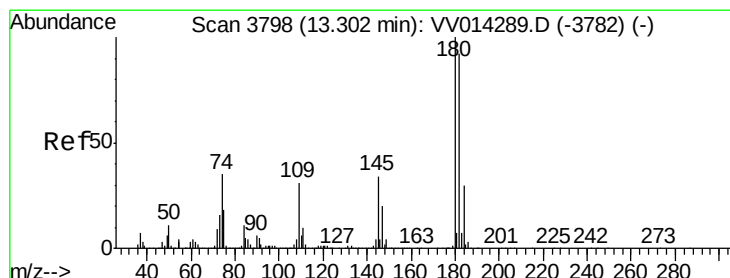
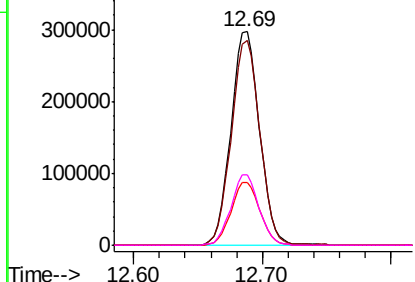
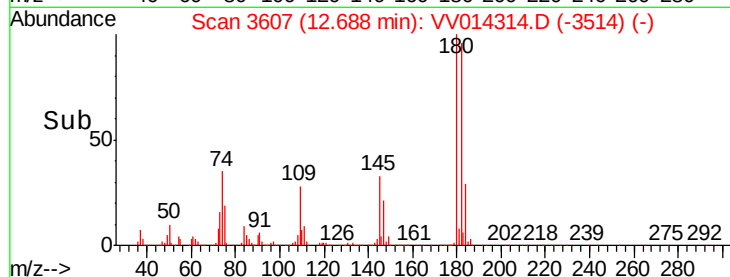
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

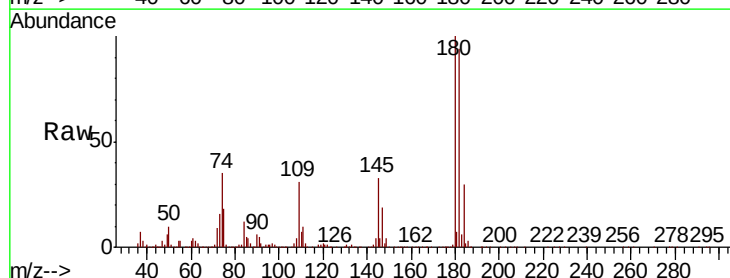
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.102 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014314.D
 Acq: 16 Jan 2020 09:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.2	112.8
145	33.2	26.2	39.4

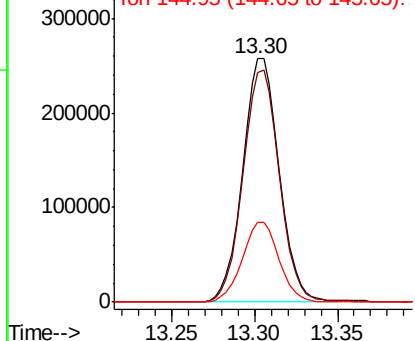
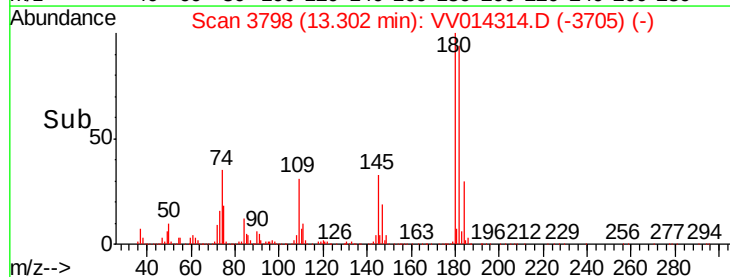


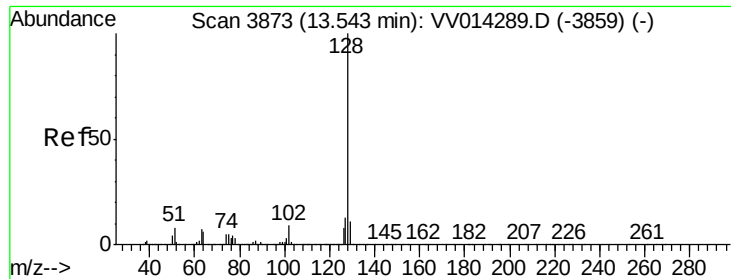
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.625 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

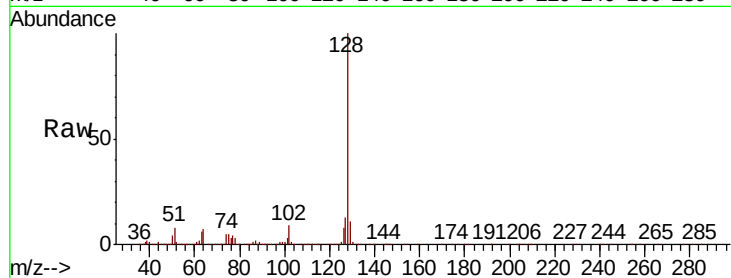
Tot Ion:128 Resp: 724884

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

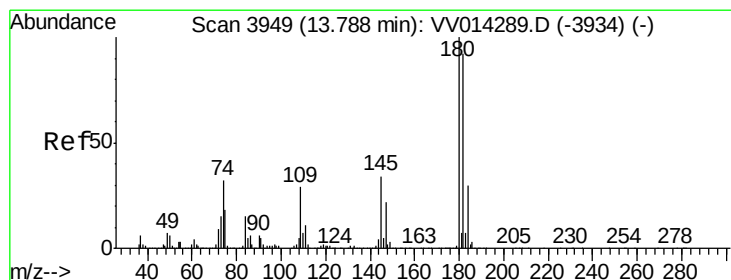
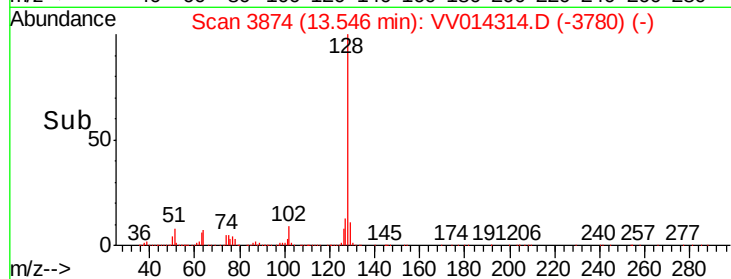
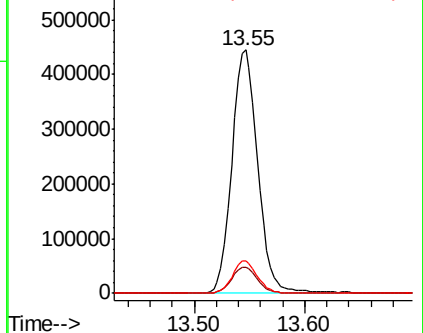
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.998 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014314.D

Acq: 16 Jan 2020 09:31

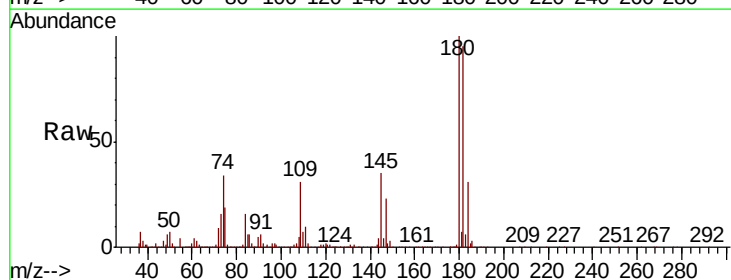
Tgt Ion:180 Resp: 339210

Ion Ratio Lower Upper

180 100

182 96.0 74.8 112.2

145 36.0 29.0 43.6



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

