

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010220\
 Data File : VV014246.D
 Acq On : 02 Jan 2020 13:53
 Operator : SY/MD
 Sample : VSTD0.535
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:03:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	871373	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	785596	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	364866	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32708	0.72	ug/L	0.00
7) Chloroethane-d5	1.58	69	27337	0.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	49056	0.63	ug/L	0.00
20) 2-Butanone-d5	3.98	46	71058	6.32	ug/L	0.03
24) Chloroform-d	4.40	84	60527	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	31905	0.61	ug/L	0.00
32) Benzene-d6	5.10	84	121381	0.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	36615	0.55	ug/L	0.00
41) Toluene-d8	7.36	98	113992	0.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	16322	0.54	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	69409	5.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25639	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	37284	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32587	0.487 ug/L	97
3) Chloromethane	1.25	50	35232	0.570 ug/L	95
5) Vinyl chloride	1.32	62	33742	0.575 ug/L	95
6) Bromomethane	1.54	94	19291	0.682 ug/L	94
8) Chloroethane	1.60	64	19089	0.608 ug/L	95
9) Trichlorofluoromethane	1.77	101	37622	0.507 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	21737	0.541 ug/L	96
12) 1,1-Dichloroethene	2.14	96	21694	0.550 ug/L	96
13) Acetone	2.23	43	64069	9.262 ug/L	98
14) Carbon disulfide	2.32	76	92108	0.540 ug/L	98
15) Methyl Acetate	2.48	43	11297	0.517 ug/L #	80
16) Methylene chloride	2.54	84	38566	0.592 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	74818	0.514 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	31288	0.517 ug/L	95
19) 1,1-Dichloroethane	3.23	63	60792	0.537 ug/L	98
21) 2-Butanone	4.06	43	74645	6.011 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	33219	0.504 ug/L #	99
23) Bromochloromethane	4.30	128	13061	0.511 ug/L	90
25) Chloroform	4.42	83	59310	0.526 ug/L	95
27) 1,2-Dichloroethane	5.19	62	33605	0.520 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	49071	0.513 ug/L	96
30) Cyclohexane	4.72	56	52090	0.493 ug/L	94
31) Carbon tetrachloride	4.88	117	41825	0.511 ug/L	97
33) Benzene	5.15	78	128848	0.528 ug/L	100
34) Trichloroethene	5.96	95	32853	0.508 ug/L	94
35) Methylcyclohexane	6.17	83	51113	0.469 ug/L	97
37) 1,2-Dichloropropane	6.22	63	34132	0.575 ug/L #	92
38) Bromodichloromethane	6.55	83	41601	0.525 ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	52565	0.538 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	208692	5.568 ug/L	97

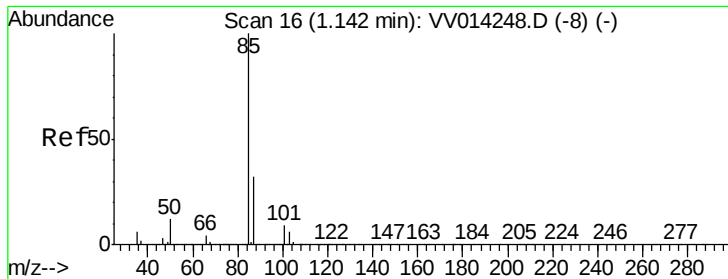
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	139636	0.523	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	39211	0.511	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	20717	0.514	ug/L	95
47) Tetrachloroethene	8.02	164	22804	0.504	ug/L	95
48) 2-Hexanone	8.19	43	135951	5.242	ug/L	100
49) Dibromochloromethane	8.29	129	26861	0.524	ug/L	92
50) 1,2-Dibromoethane	8.39	107	19942	0.512	ug/L	98
51) Chlorobenzene	8.92	112	86957	0.528	ug/L	99
52) Ethylbenzene	9.05	91	154237	0.520	ug/L	96
53) m,p-xylene	9.18	106	55353	0.498	ug/L	95
54) o-xylene	9.58	106	55641	0.514	ug/L	94
55) Styrene	9.60	104	96666	0.530	ug/L	97
56) Isopropylbenzene	9.97	105	142719	0.501	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	26175	0.532	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	19774	0.541	ug/L	96
61) Bromoform	9.77	173	12490	0.470	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	61707	0.513	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	61556	0.512	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	54213	0.493	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	5044	0.544	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	45482	0.519	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	38804	0.504	ug/L	99
69) Naphthalene	13.55	128	76661	0.535	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	33263	0.494	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.487 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

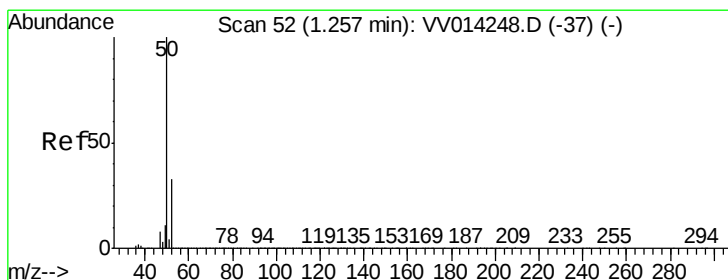
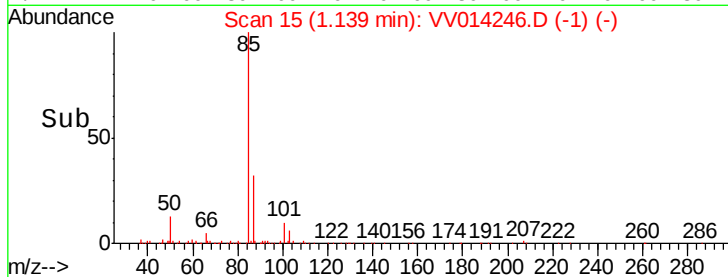
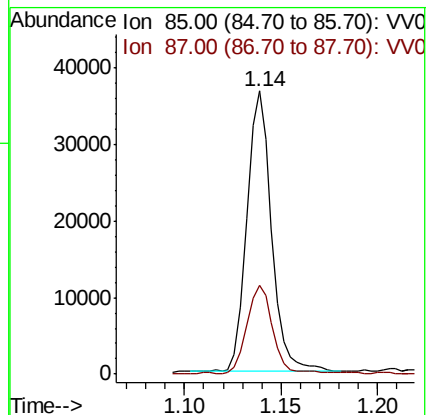
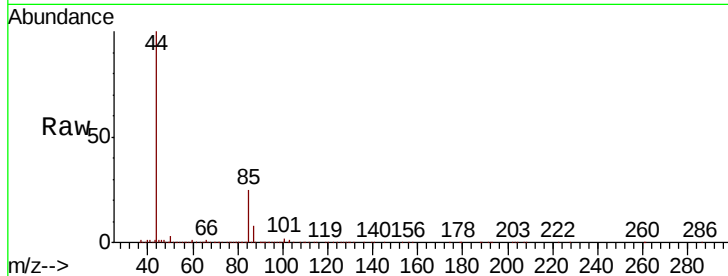
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 32587

Ion Ratio Lower Upper

85 100

87 33.7 25.8 38.6



#3

Chloromethane

Concen: 0.570 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014246.D

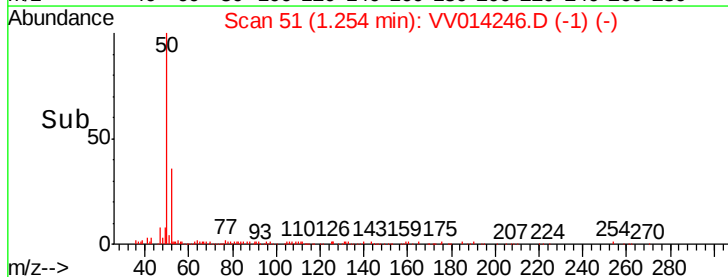
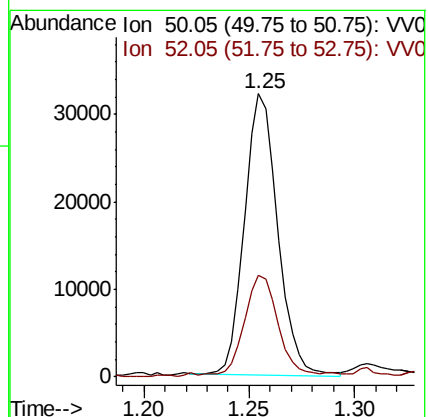
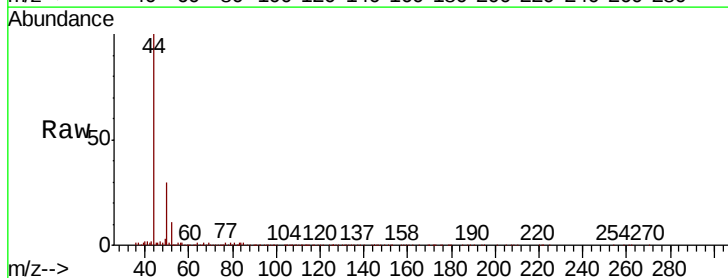
Acq: 02 Jan 2020 13:53

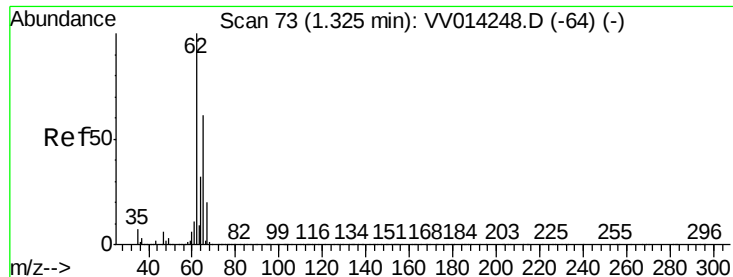
Tgt Ion: 50 Resp: 35232

Ion Ratio Lower Upper

50 100

52 36.0 23.4 43.4





#5

Vinyl chloride

Concen: 0.575 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

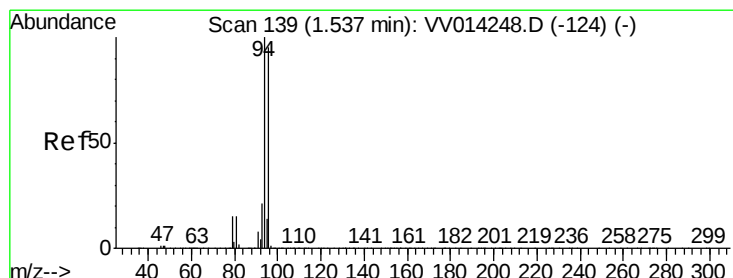
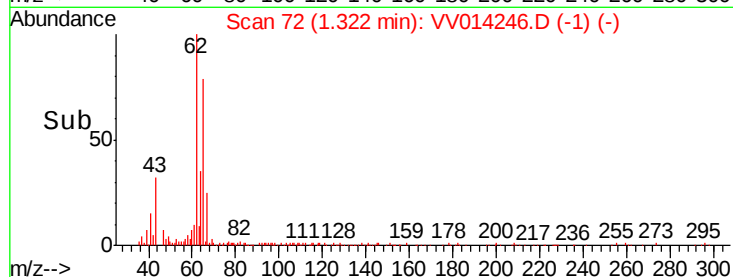
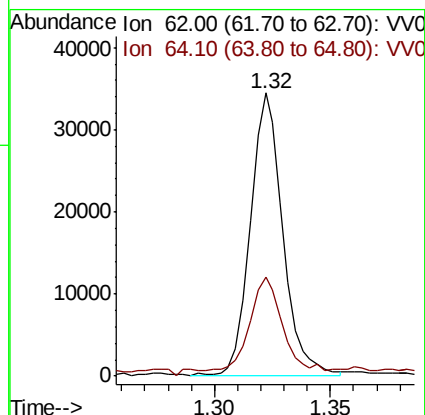
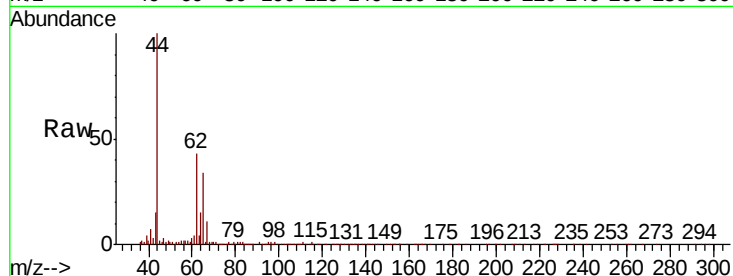
ClientSampleId :

Tot Ion: 62 Resp: 33742

Ion Ratio Lower Upper

62 100

64 35.2 22.7 42.1



#6

Bromomethane

Concen: 0.682 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014246.D

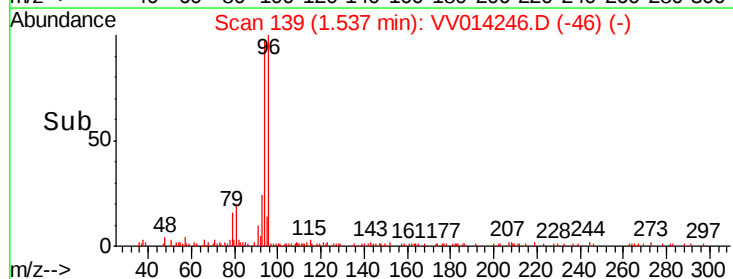
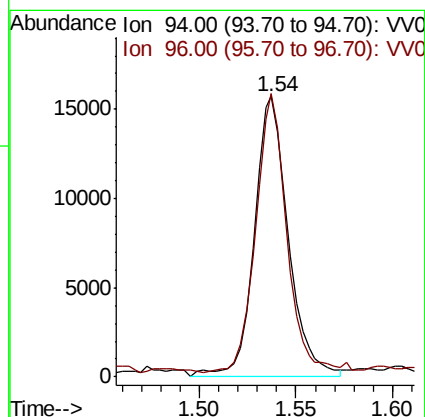
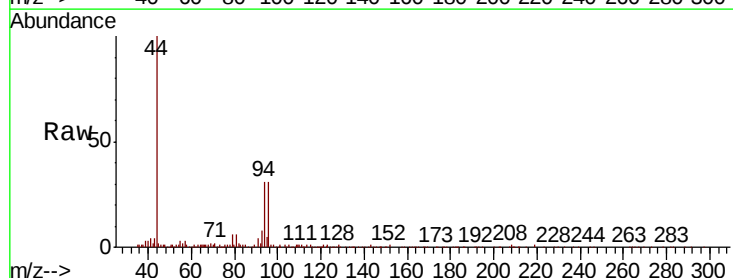
Acq: 02 Jan 2020 13:53

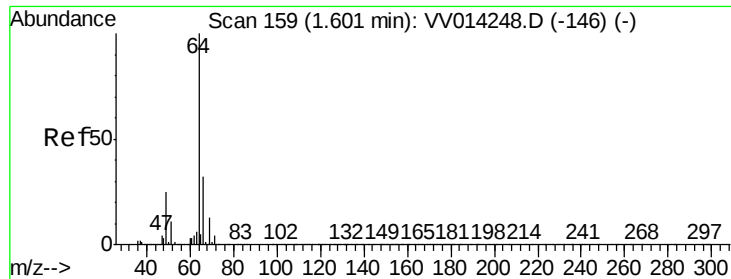
Tgt Ion: 94 Resp: 19291

Ion Ratio Lower Upper

94 100

96 100.8 66.6 123.6

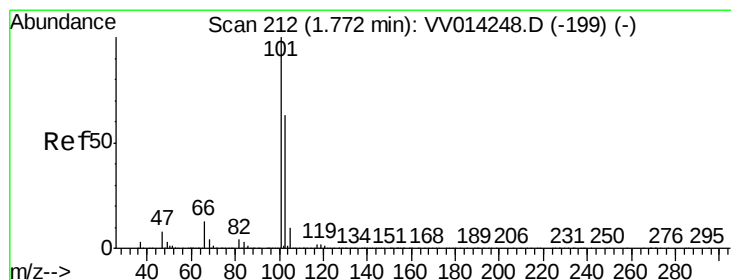
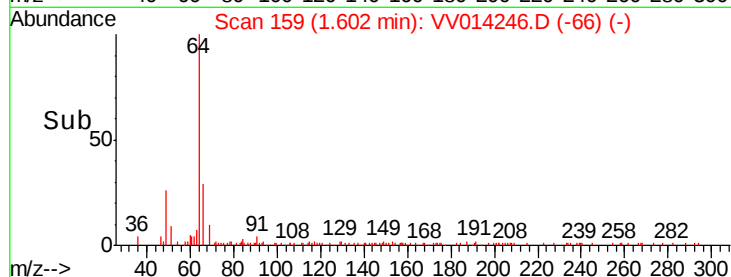
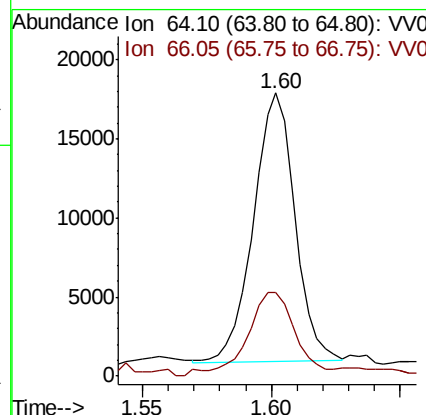
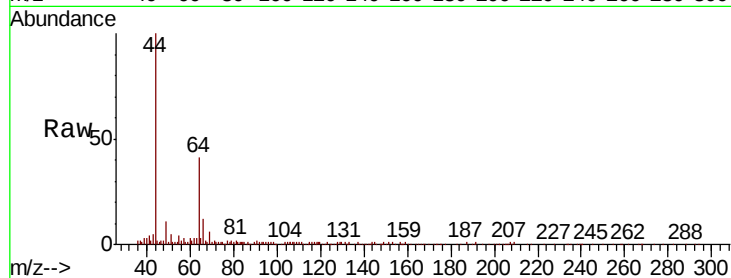




#8
Chloroethane
Concen: 0.608 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

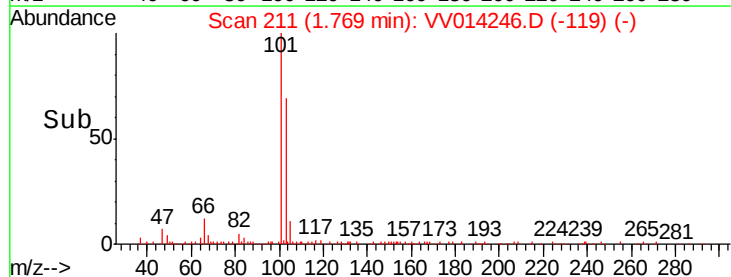
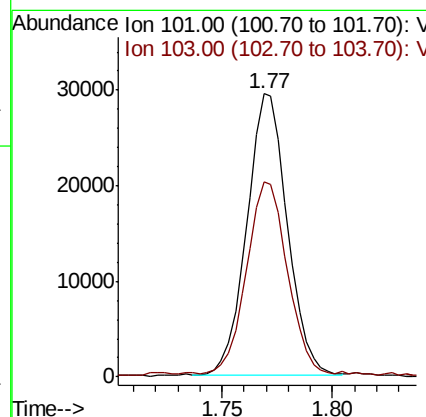
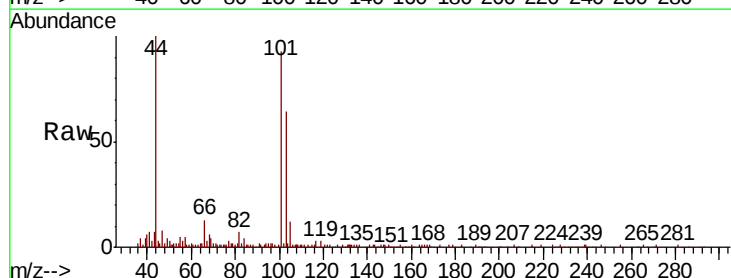
Instrument :
MSVOA_V
ClientSampleId :

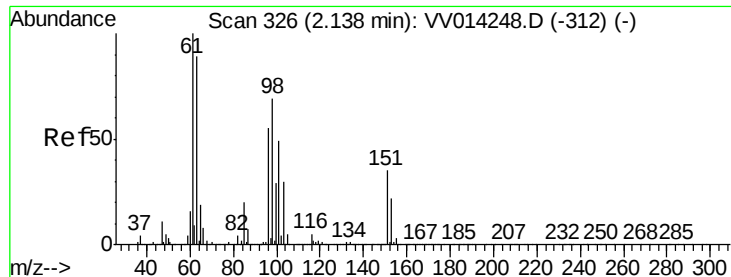
Tot Ion: 64 Resp: 19089
Ion Ratio Lower Upper
64 100
66 29.7 23.0 42.6



#9
Trichlorofluoromethane
Concen: 0.507 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Tgt Ion: 101 Resp: 37622
Ion Ratio Lower Upper
101 100
103 68.2 51.8 77.6





#10

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

Concen: 0.541 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014246.D

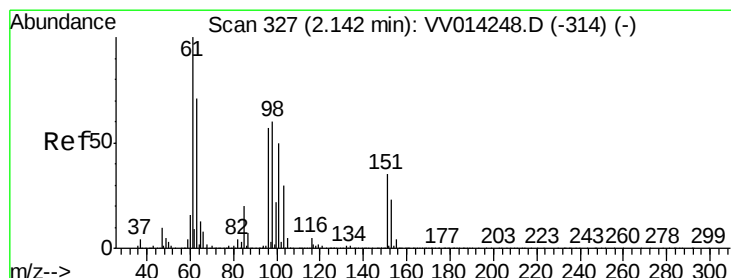
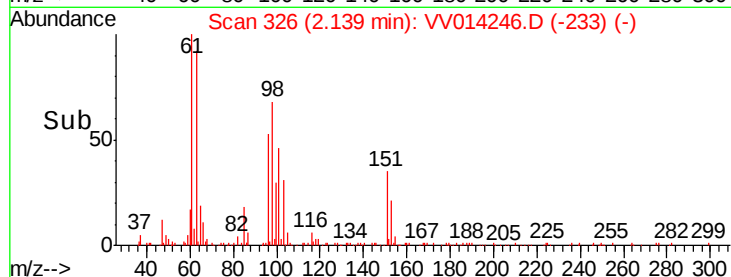
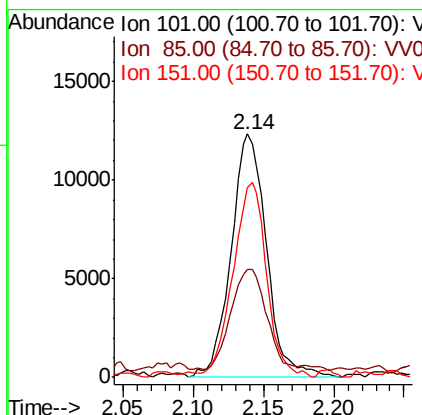
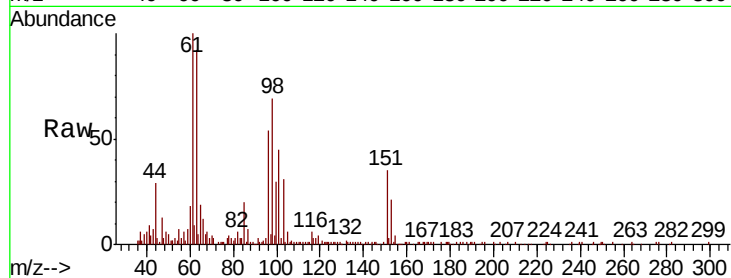
Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:	101	Resp:	21737
Ion	Ratio	Lower	Upper
101	100		
85	40.3	34.0	51.0
151	75.7	57.9	86.9



#12

1,1-Dichloroethene

Concen: 0.550 ug/L

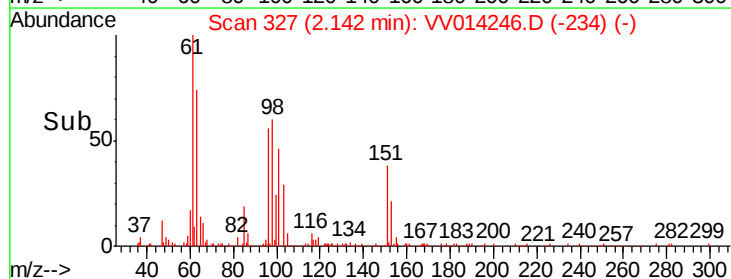
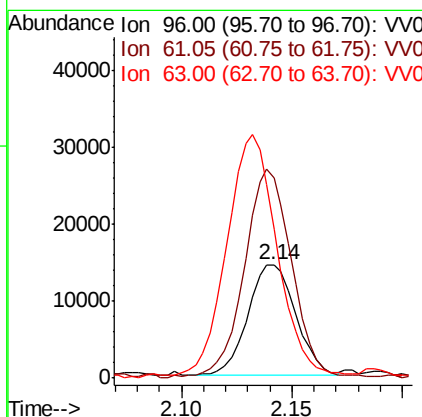
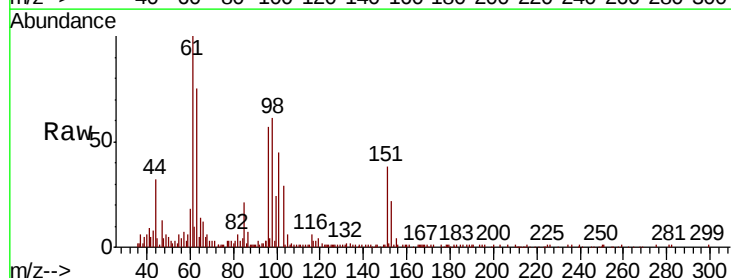
RT: 2.14 min Scan# 327

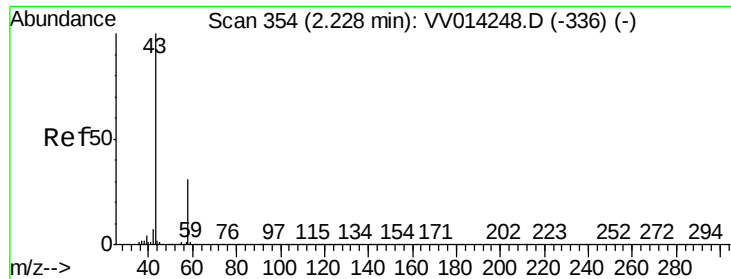
Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Tgt Ion:	96	Resp:	21694
Ion	Ratio	Lower	Upper
96	100		
61	175.9	121.7	226.1
63	131.3	86.9	161.3

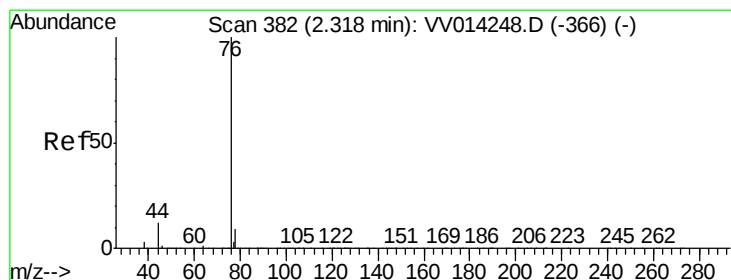
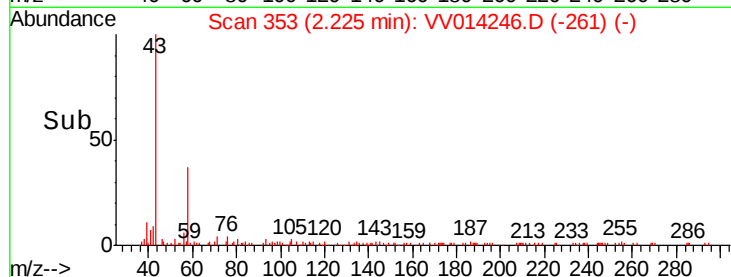
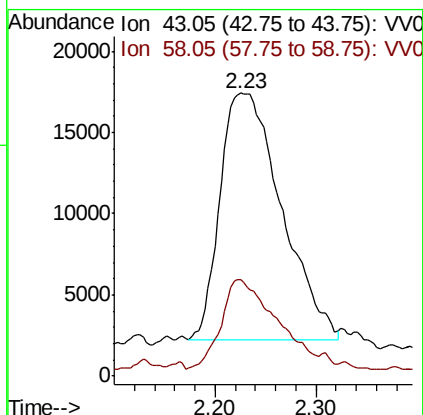
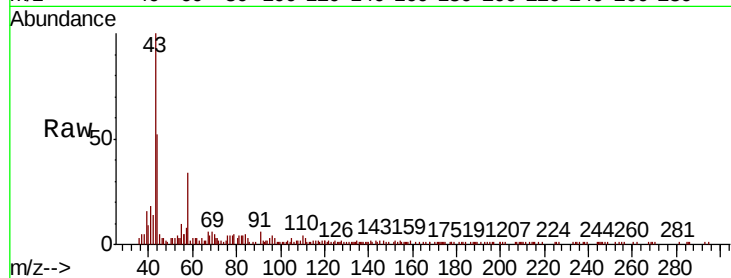




#13
Acetone
Concen: 9.262 ug/L
RT: 2.23 min Scan# 353
Delta R.T. -0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

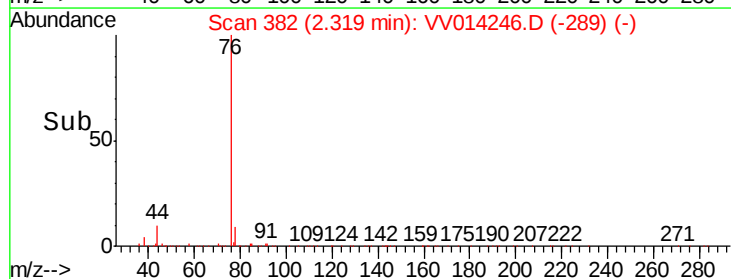
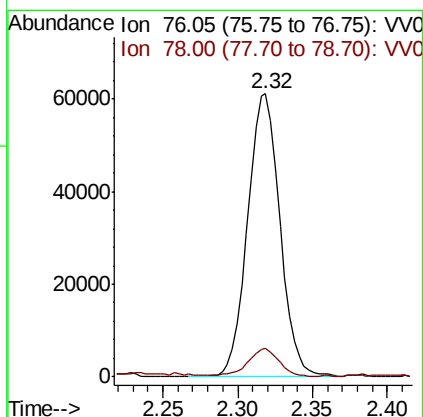
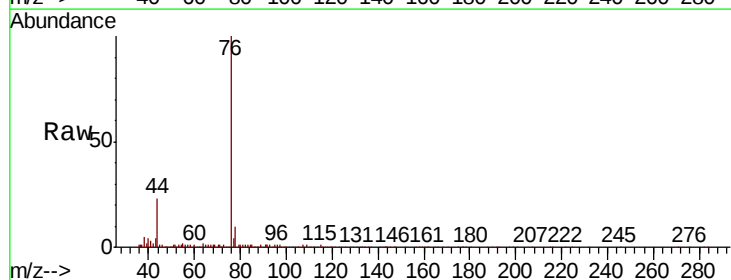
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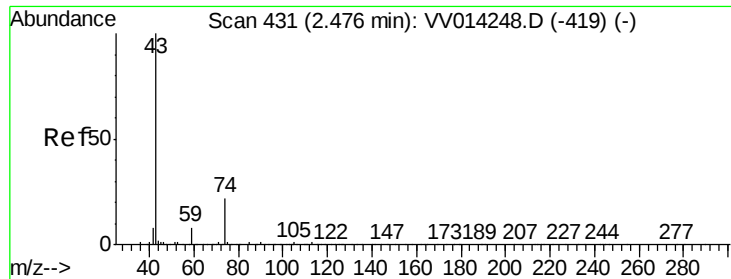
Tot Ion: 43 Resp: 64069
Ion Ratio Lower Upper
43 100
58 31.8 0.0 66.4



#14
Carbon disulfide
Concen: 0.540 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Tgt Ion: 76 Resp: 92108
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

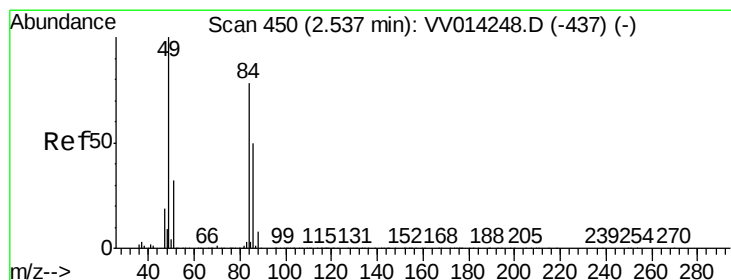
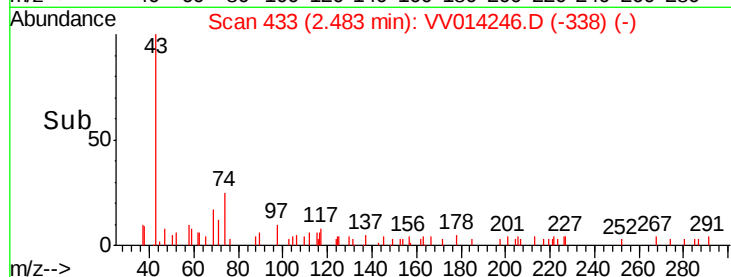
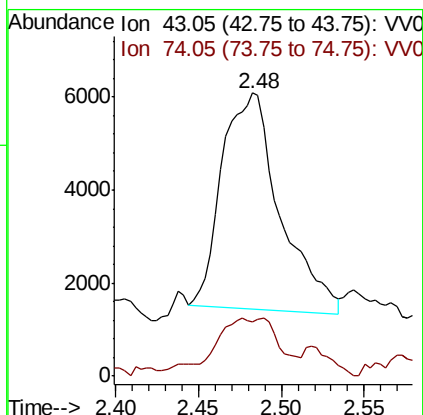
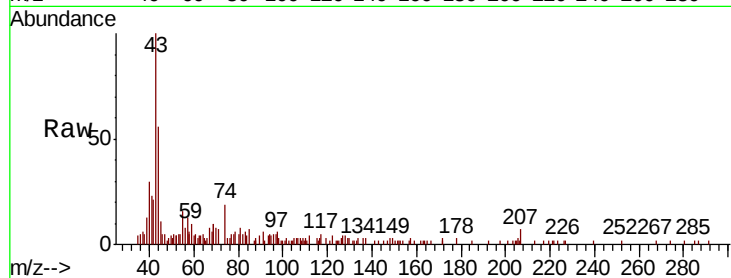




#15
Methyl Acetate
Concen: 0.517 ug/L
RT: 2.48 min Scan# 433
Delta R.T. 0.01 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

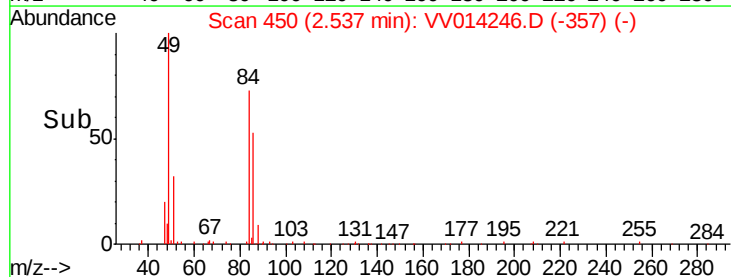
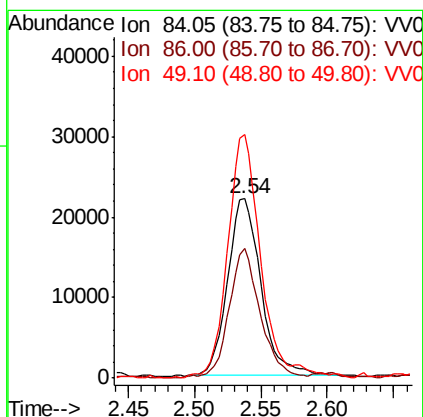
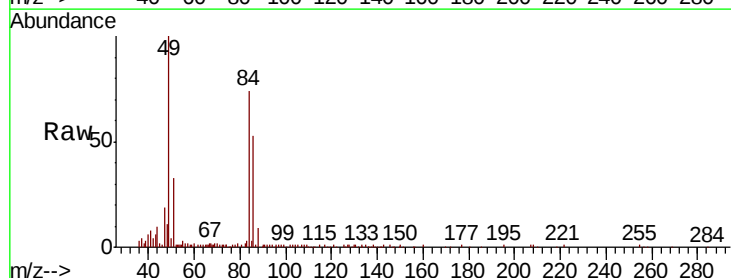
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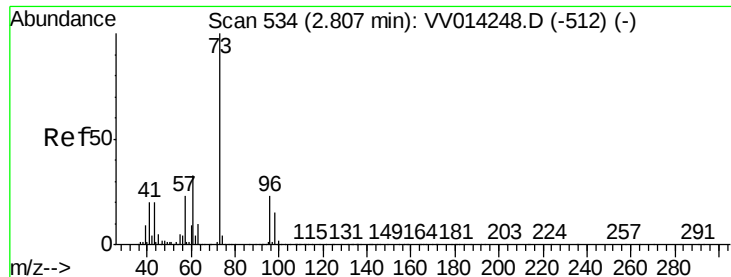
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Ion Ratio Lower Upper
43 100
74 11.8 17.1 25.7#



#16
Methylene chloride
Concen: 0.592 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Tgt Ion: 84 Resp: 38566
Ion Ratio Lower Upper
84 100
86 72.4 45.2 84.0
49 135.9 89.7 166.5

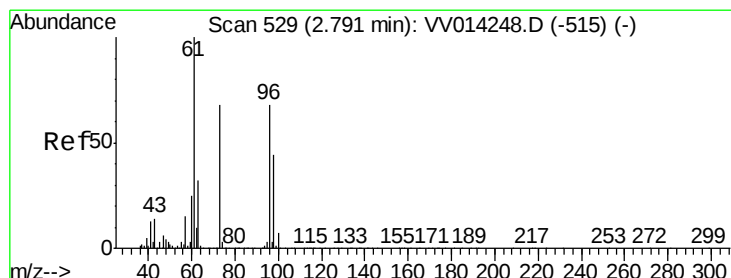
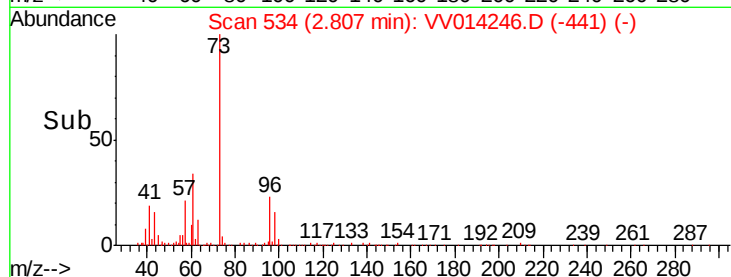
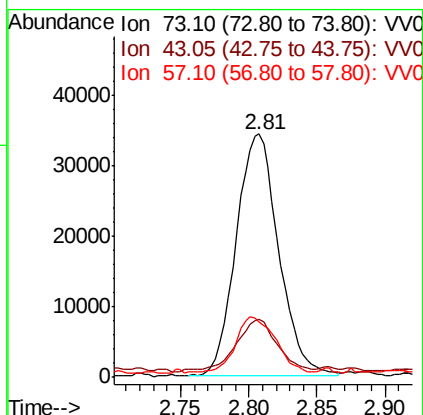
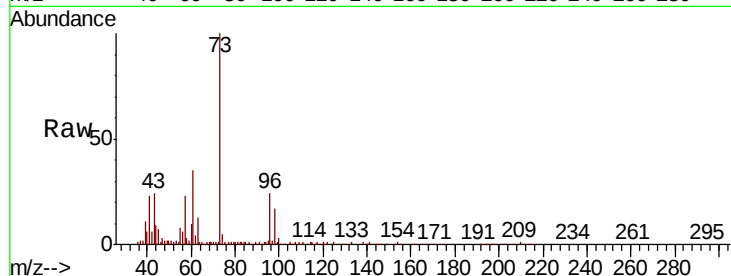




#17
Methvl tert-butvl Ether
Concen: 0.514 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

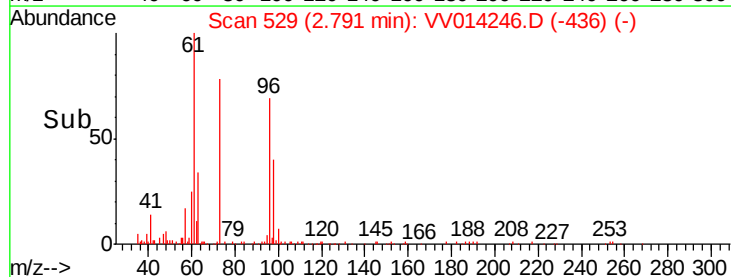
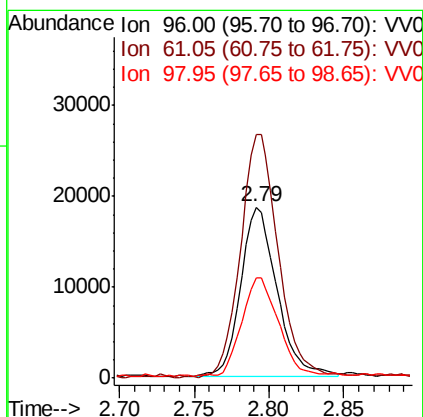
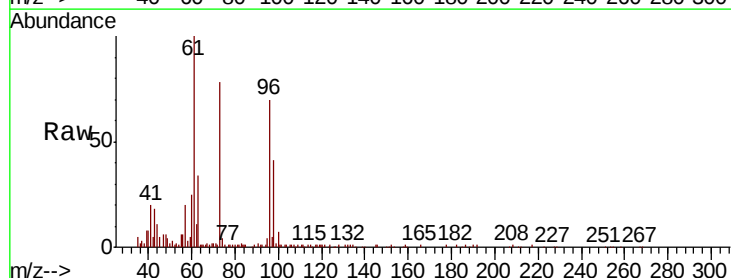
Instrument :
MSVOA_V
ClientSampleId :

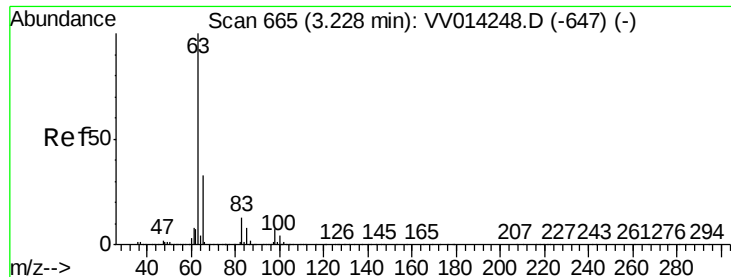
Tot Ion: 73 Resp: 74818
Ion Ratio Lower Upper
73 100
43 21.6 15.8 23.6
57 21.9 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 0.517 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Tgt Ion: 96 Resp: 31288
Ion Ratio Lower Upper
96 100
61 142.3 102.7 190.7
98 58.6 44.7 83.1

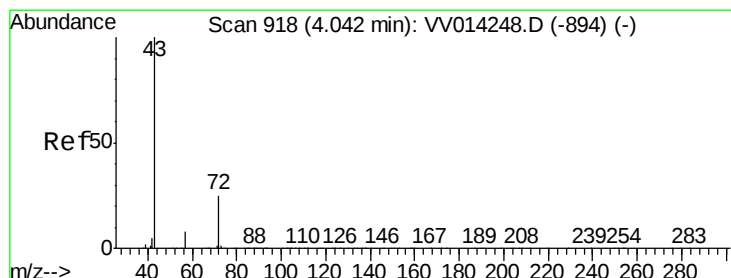
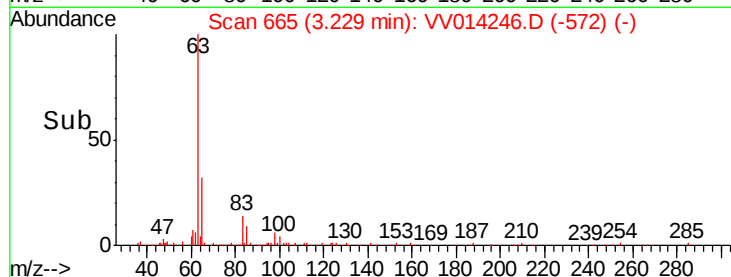
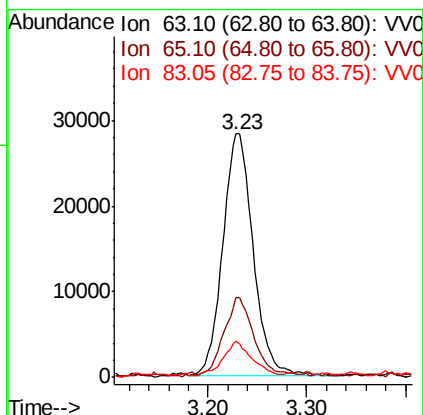
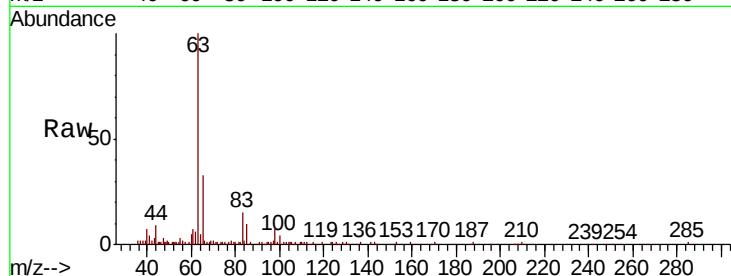




#19
 1,1-Dichloroethane
 Concen: 0.537 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

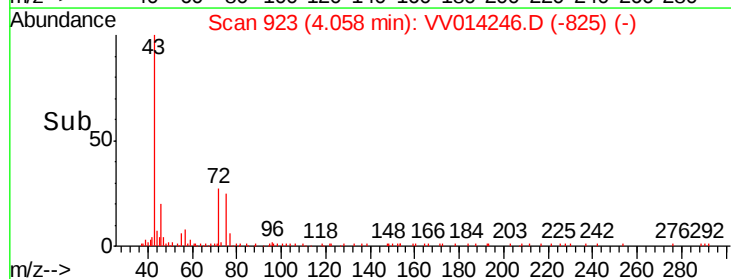
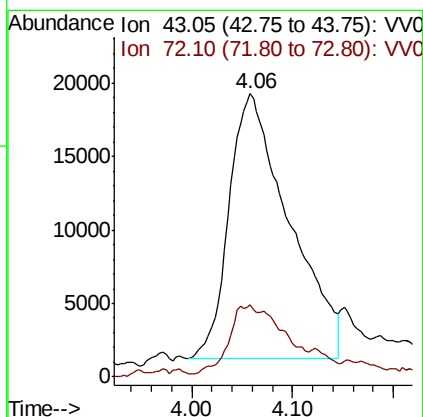
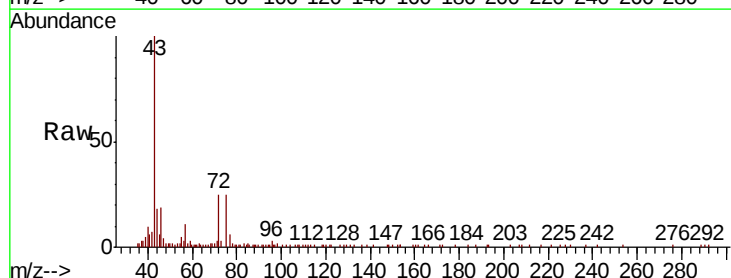
Instrument :
 MSVOA_V
 ClientSampleId :

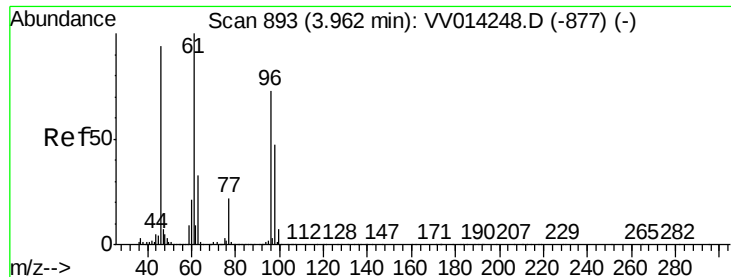
Tot Ion: 63 Resp: 60792
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.2 43.0
 83 15.0 9.1 16.9



#21
 2-Butanone
 Concen: 6.011 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion: 43 Resp: 74645
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.4 37.4



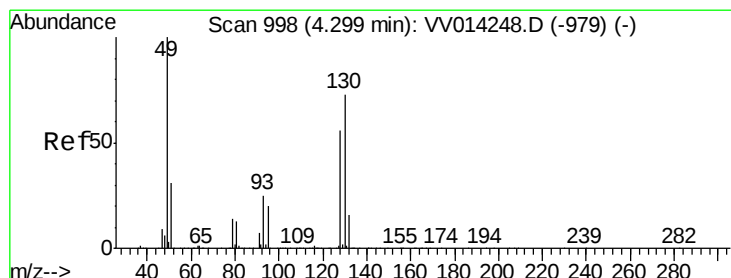
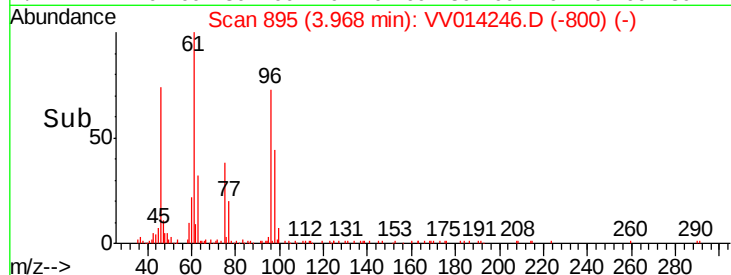
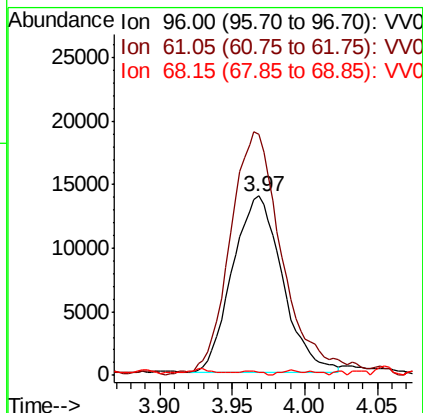
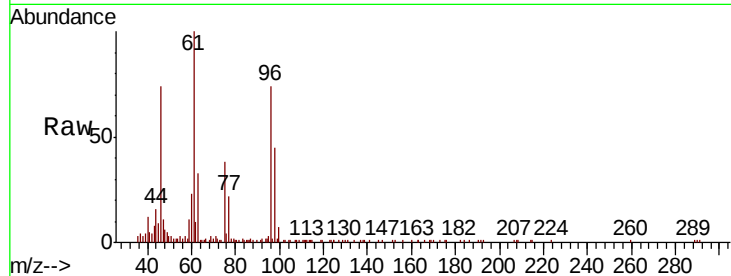


#22

cis-1,2-Dichloroethene
 Concen: 0.504 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Instrument :
 MSVOA_V
 ClientSampleId :

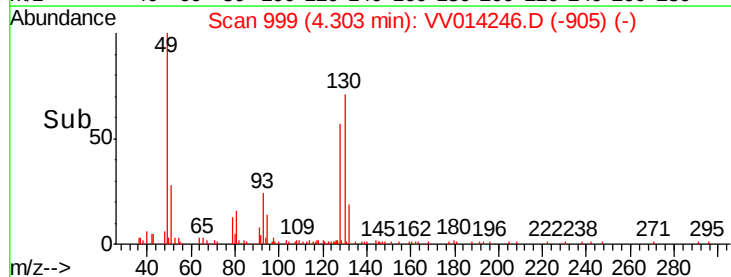
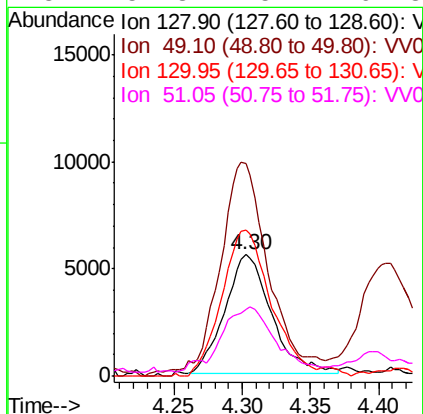
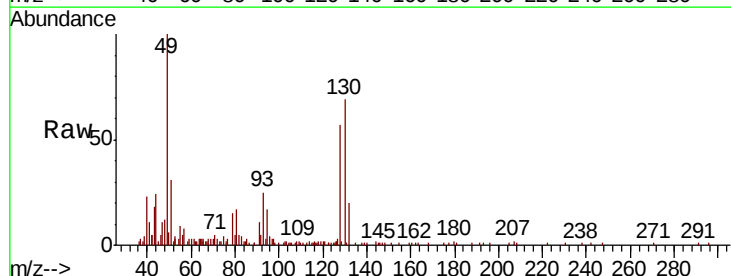
Tot Ion: 96 Resp: 33219
 Ion Ratio Lower Upper
 96 100
 61 134.7 95.3 176.9
 68 2.0 0.1 0.3#

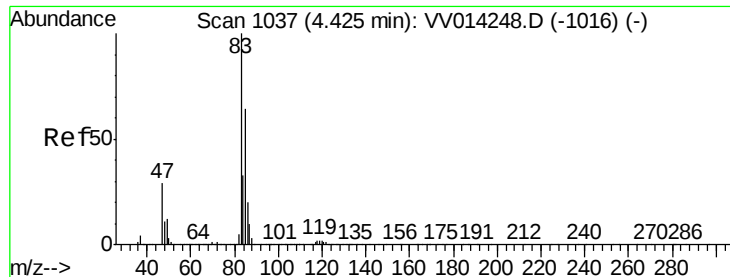


#23

Bromochloromethane
 Concen: 0.511 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion: 128 Resp: 13061
 Ion Ratio Lower Upper
 128 100
 49 167.9 125.6 233.2
 130 115.3 91.6 170.2
 51 52.3 45.2 67.8





#25

Chloroform

Concen: 0.526 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

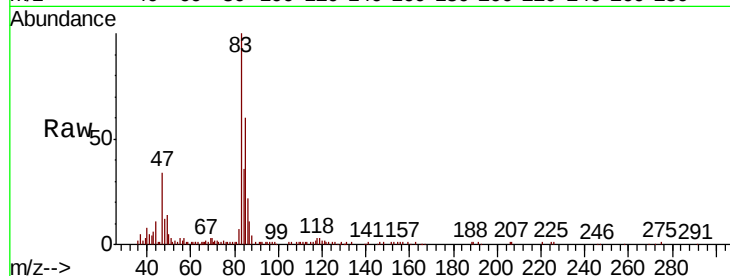
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 59310

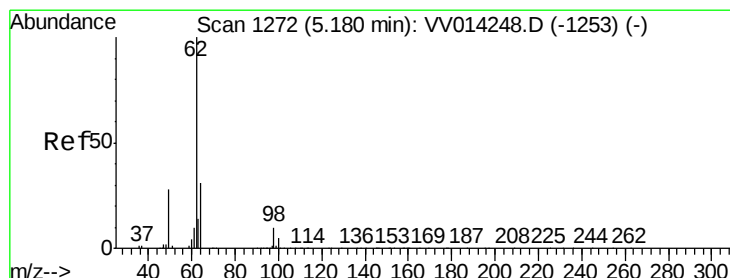
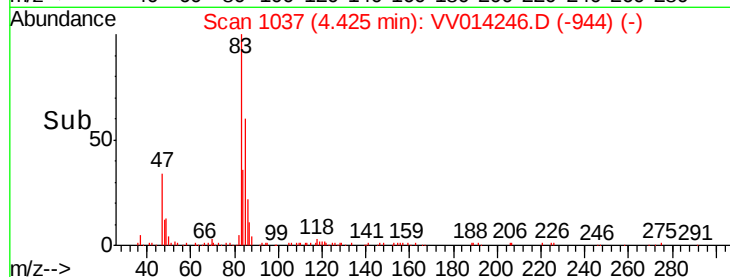
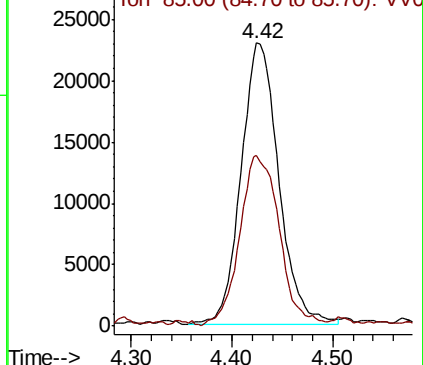
Ion Ratio Lower Upper

83 100

85 60.4 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV014246.D (-1016) (-)



#27

1,2-Dichloroethane

Concen: 0.520 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV014246.D

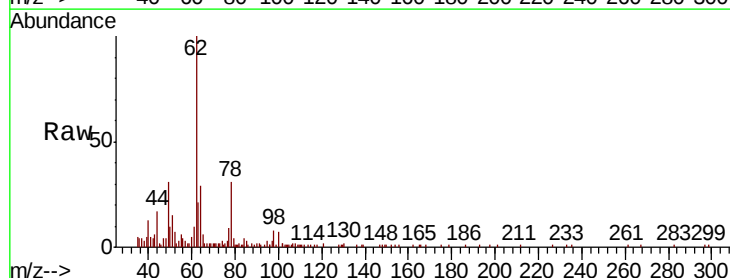
Acq: 02 Jan 2020 13:53

Tgt Ion: 62 Resp: 33605

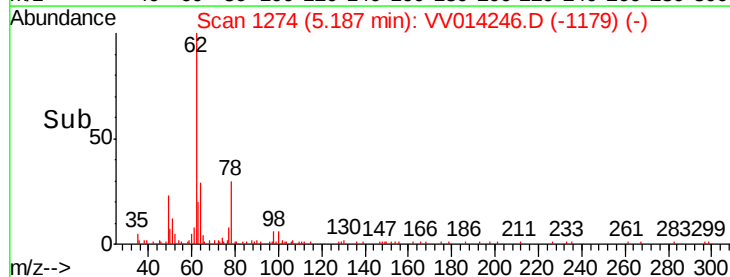
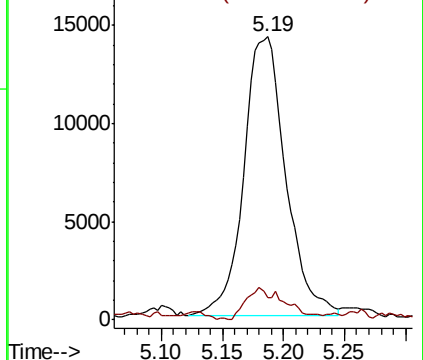
Ion Ratio Lower Upper

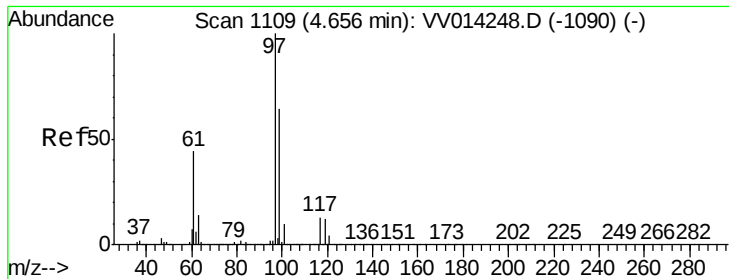
62 100

98 7.9 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV014246.D (-1253) (-)

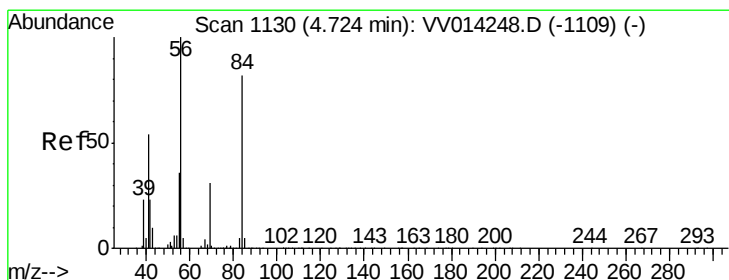
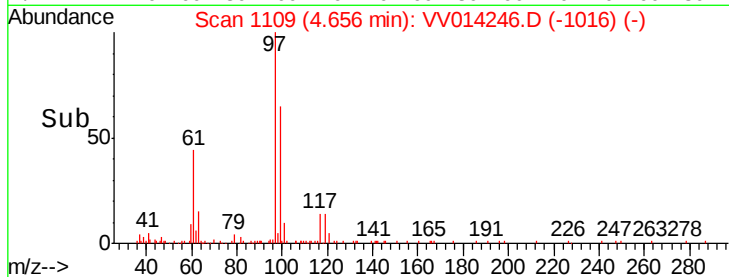
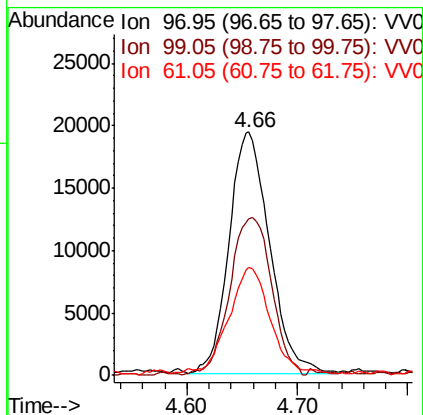
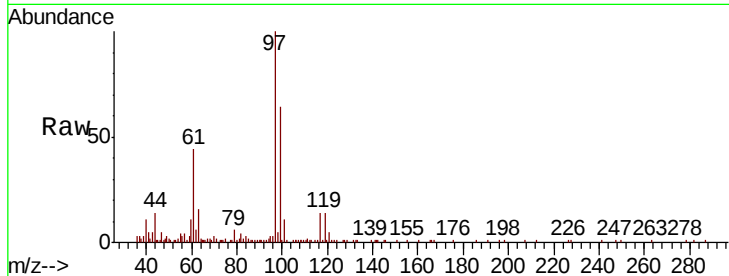




#29
 1,1,1-Trichloroethane
 Concen: 0.513 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

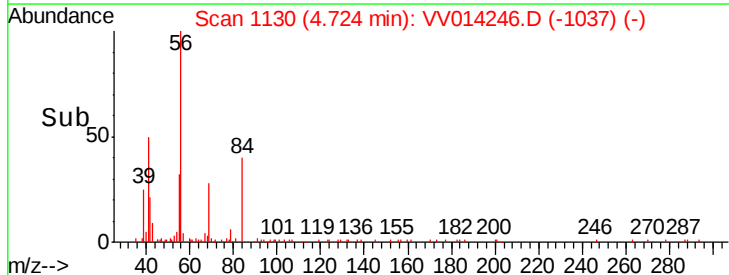
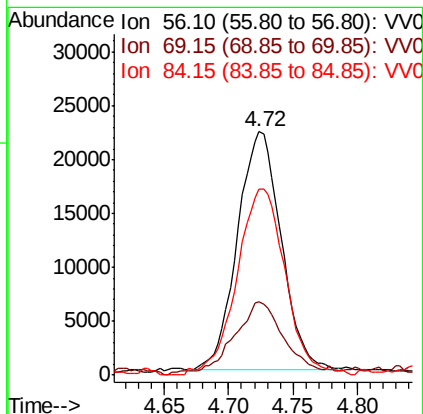
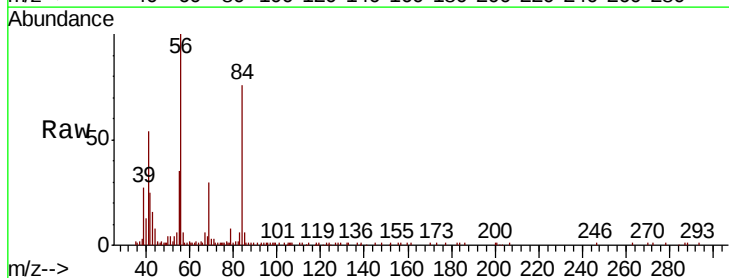
Instrument :
 MSVOA_V
 ClientSampled :

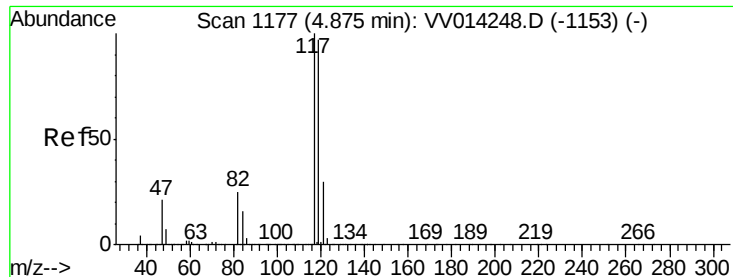
Tot Ion: 97 Resp: 49071
 Ion Ratio Lower Upper
 97 100
 99 68.2 50.9 76.3
 61 44.5 34.9 52.3



#30
 Cyclohexane
 Concen: 0.493 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion: 56 Resp: 52090
 Ion Ratio Lower Upper
 56 100
 69 35.6 24.0 36.0
 84 86.8 66.0 99.0





#31

Carbon tetrachloride

Concen: 0.511 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

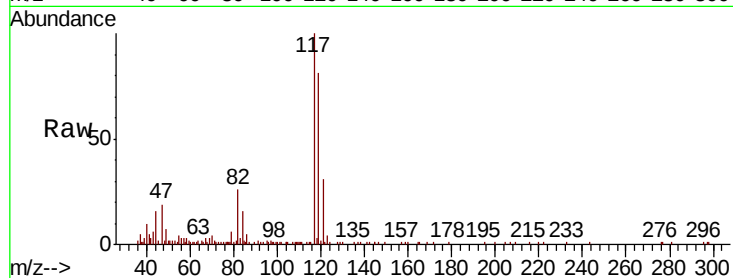
ClientSampleId :

Tot Ion:117 Resp: 41825

Ion Ratio Lower Upper

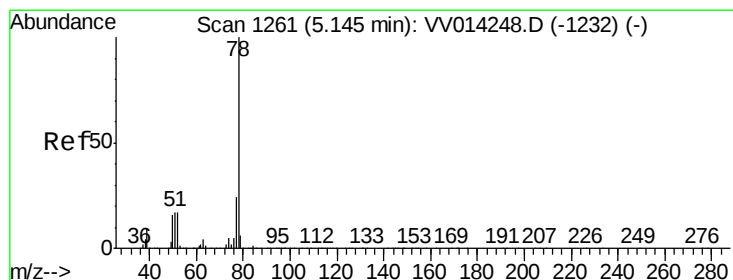
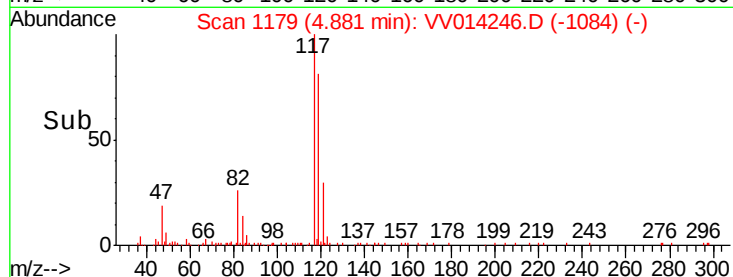
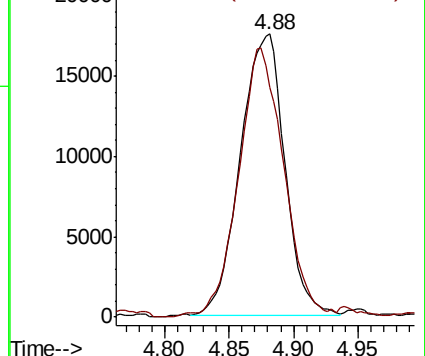
117 100

119 97.5 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.528 ug/L

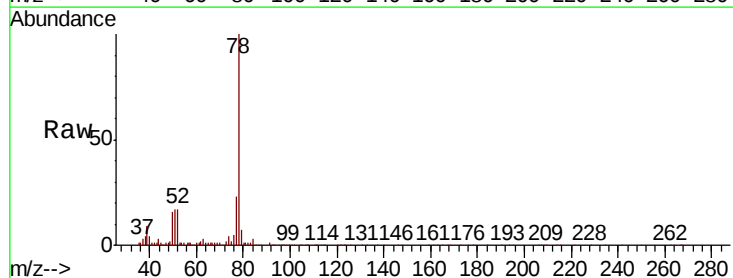
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

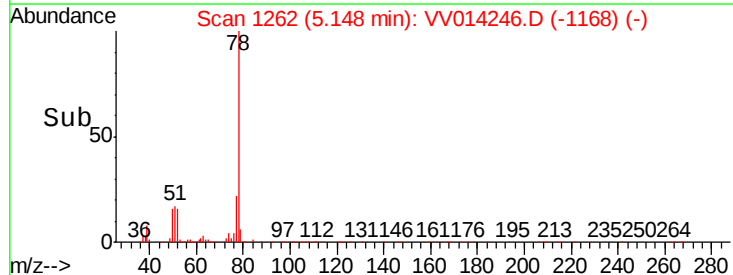
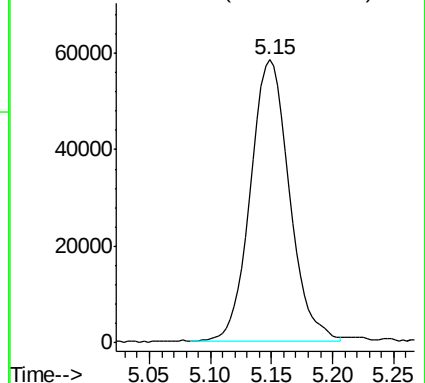
Lab File: VV014246.D

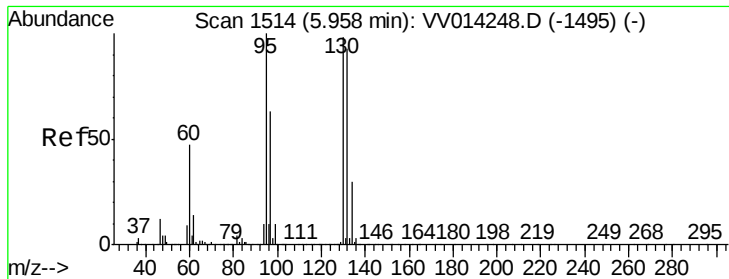
Acq: 02 Jan 2020 13:53

Tgt Ion: 78 Resp: 128848



Abundance Ion 78.10 (77.80 to 78.80): VV0

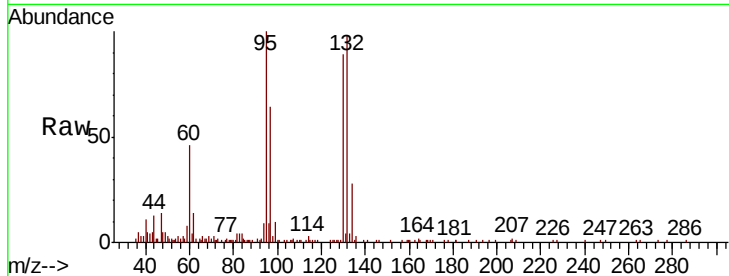




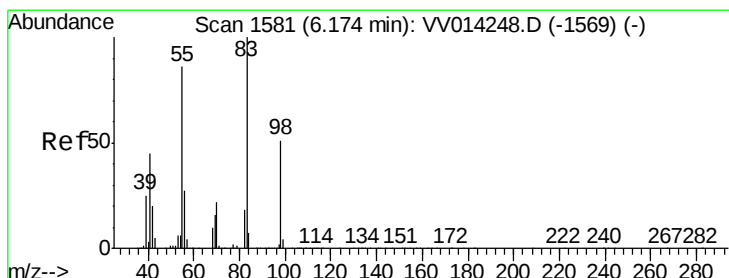
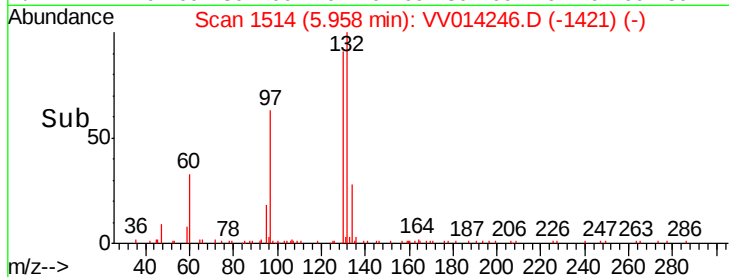
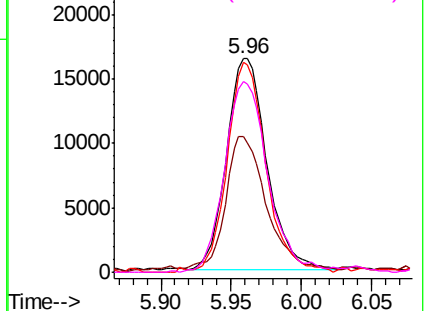
#34
 Trichloroethene
 Concen: 0.508 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	32853
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.2	82.2
132	98.0	65.2	121.0
130	89.3	68.7	127.7

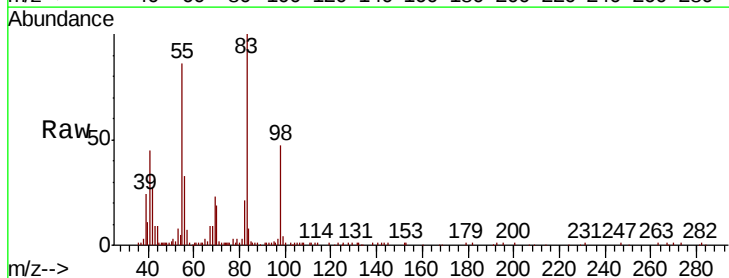


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

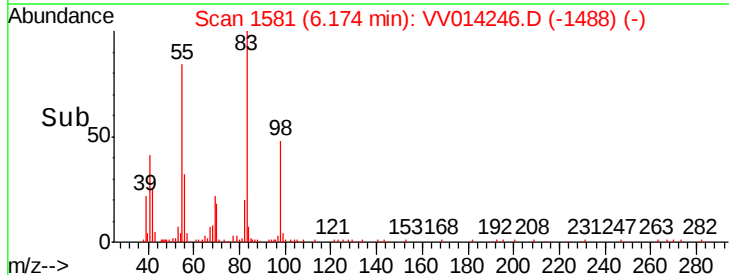
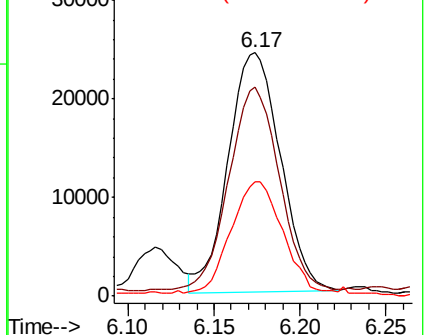


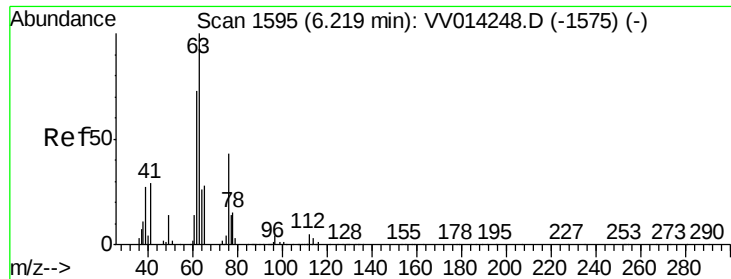
#35
 Methylcyclohexane
 Concen: 0.469 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion:	83	Resp:	51113
Ion	Ratio	Lower	Upper
83	100		
55	83.0	65.0	97.4
98	45.5	38.5	57.7



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: 0.575 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

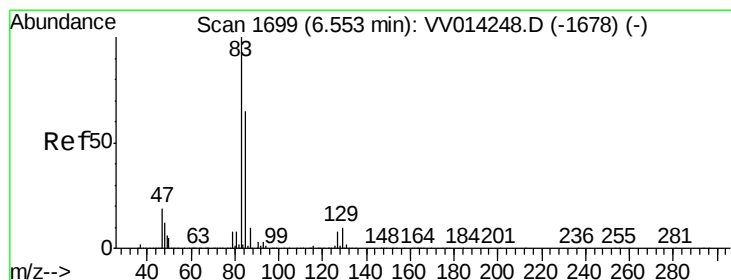
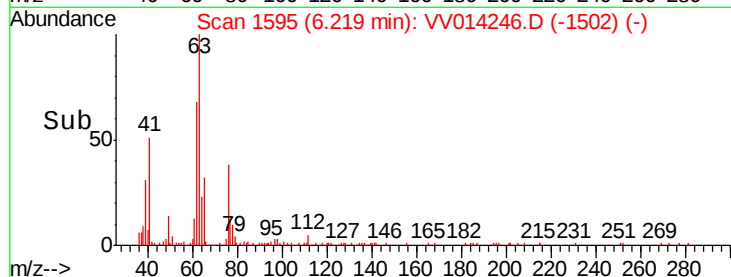
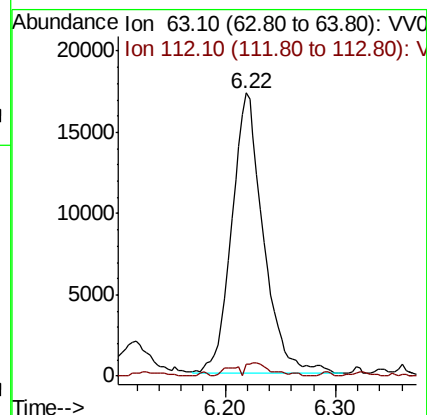
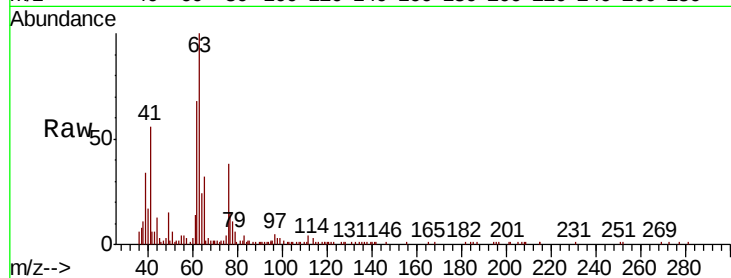
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 34132

Ion Ratio Lower Upper

63 100

112 1.7 3.5 5.3#



#38

Bromodichloromethane

Concen: 0.525 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

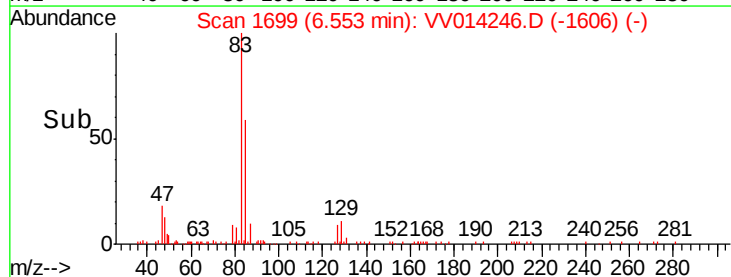
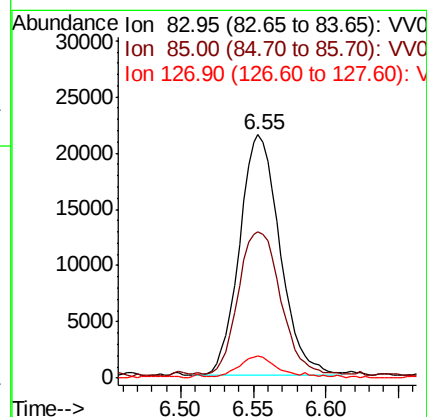
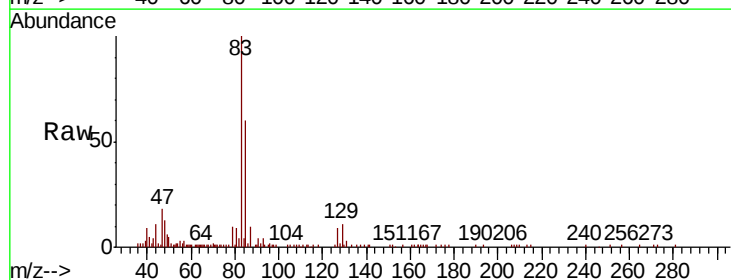
Tgt Ion: 83 Resp: 41601

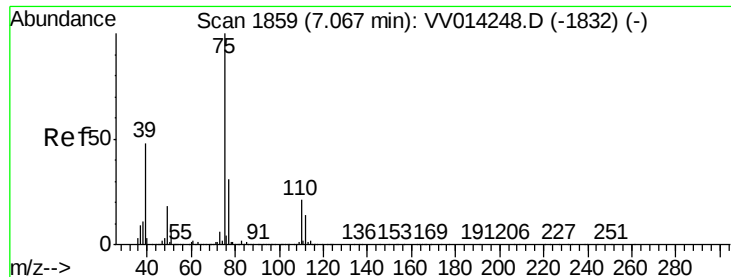
Ion Ratio Lower Upper

83 100

85 60.0 45.2 84.0

127 8.9 6.4 9.6

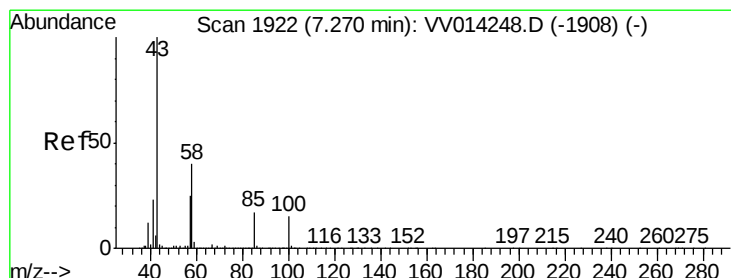
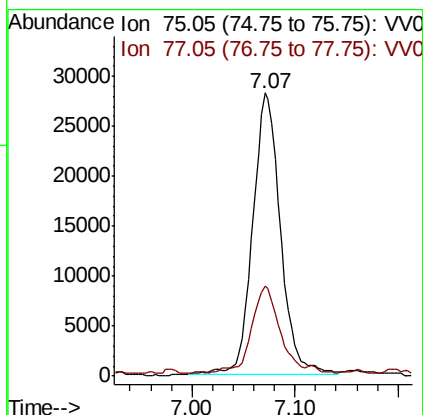
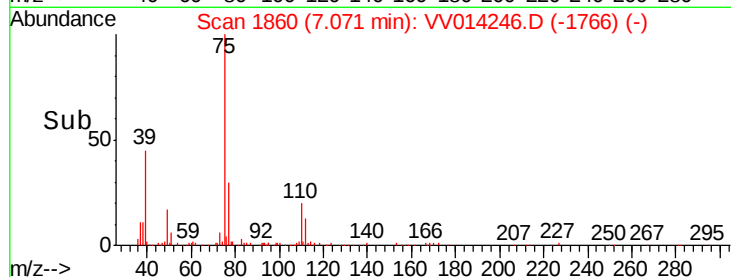
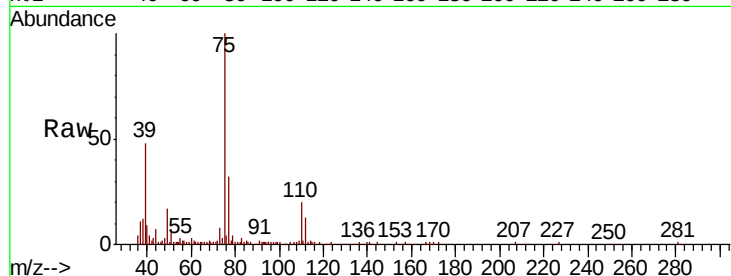




#39
 cis-1,3-Dichloropropene
 Concen: 0.538 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

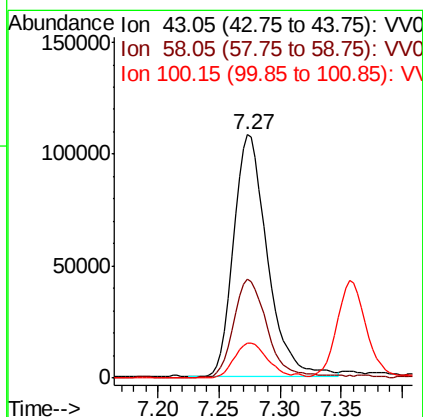
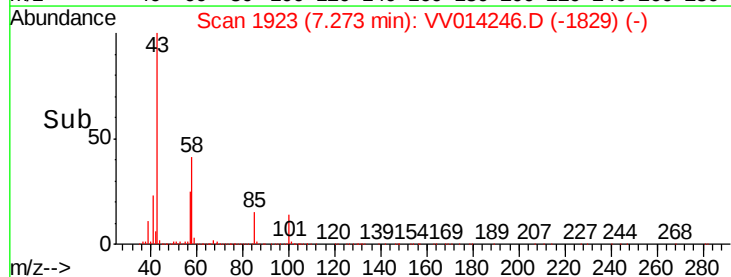
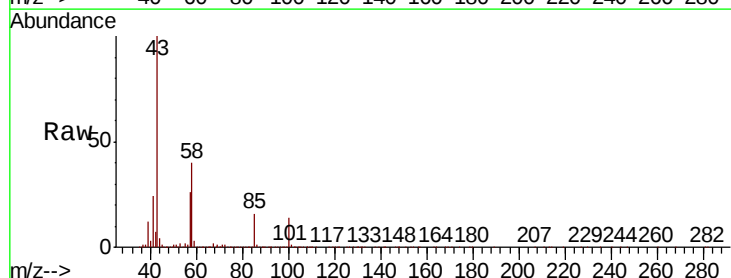
Instrument :
 MSVOA_V
 ClientSampleId :

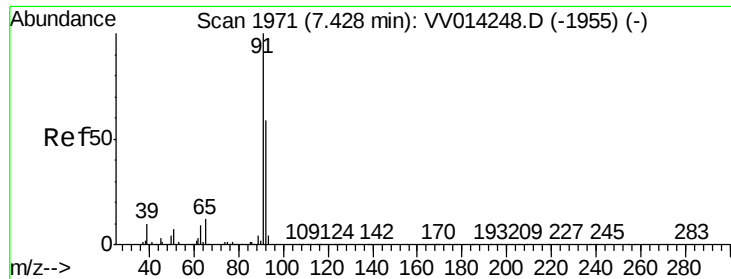
Tot Ion: 75 Resp: 52565
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 5.568 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion: 43 Resp: 208692
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.3 46.9
 100 14.7 11.8 17.8





#42

Toluene

Concen: 0.523 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

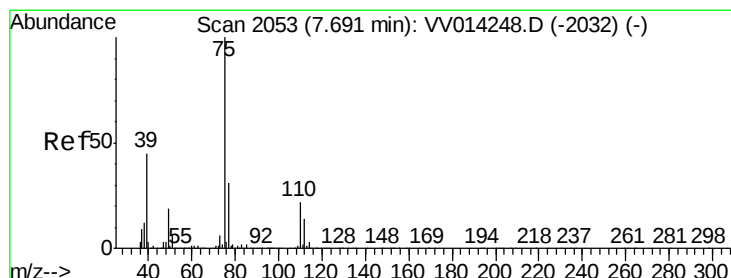
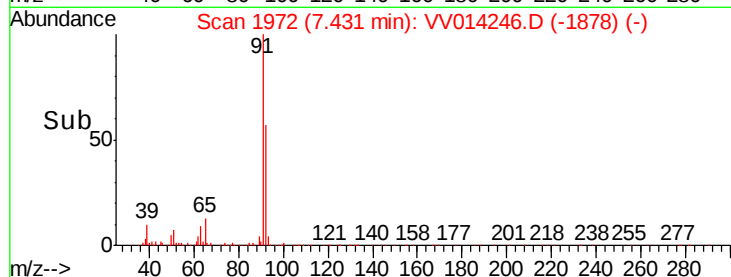
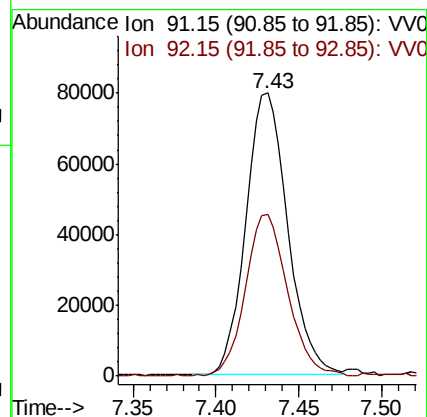
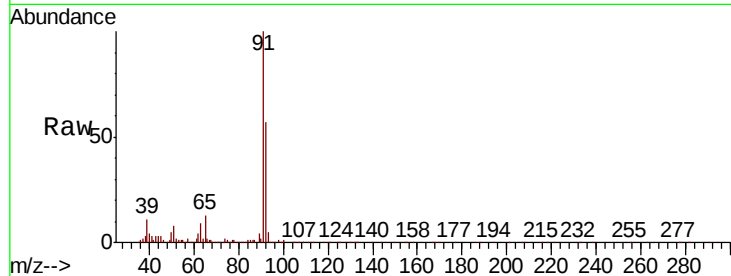
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 139636

Ion Ratio Lower Upper

91 100

92 57.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV014246.D

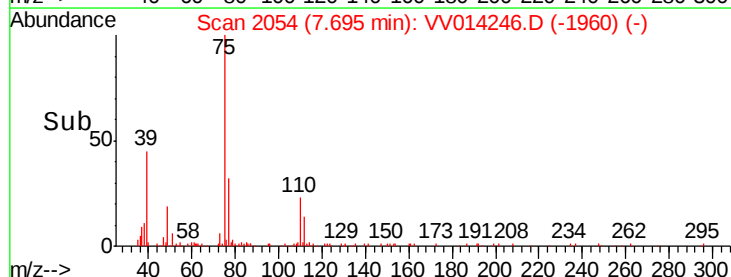
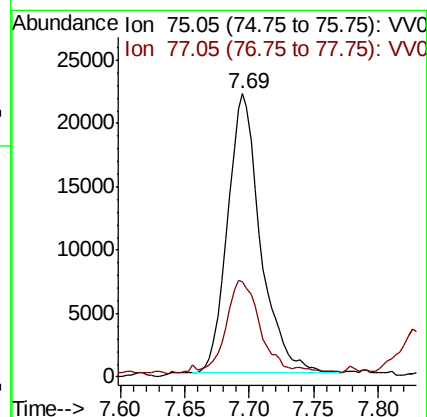
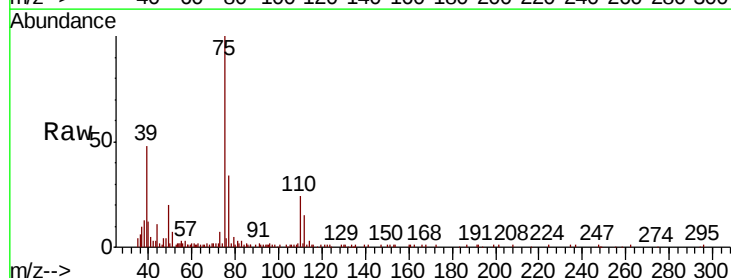
Acq: 02 Jan 2020 13:53

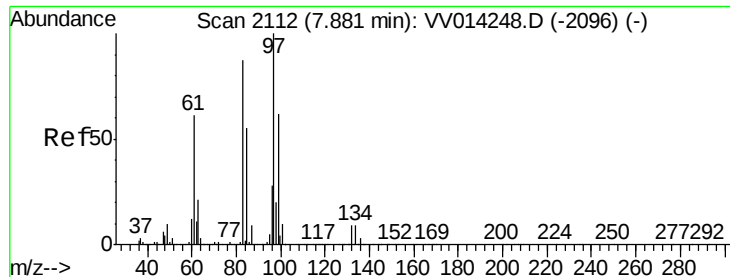
Tgt Ion: 75 Resp: 39211

Ion Ratio Lower Upper

75 100

77 33.6 22.0 40.8

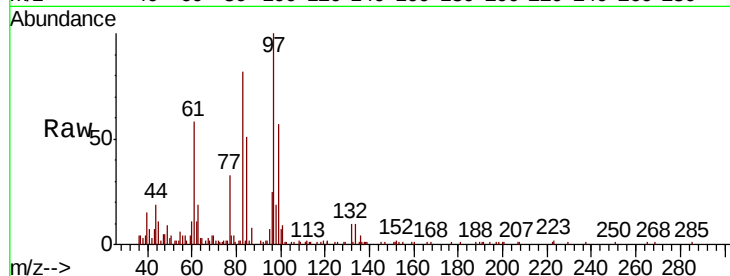




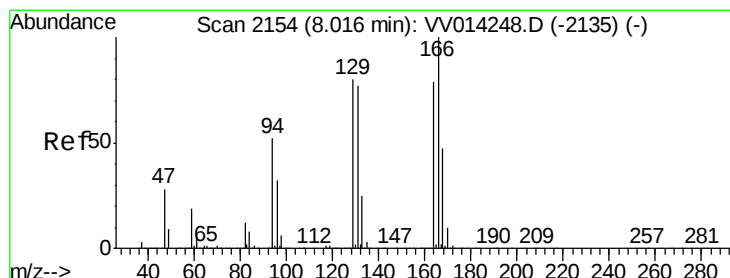
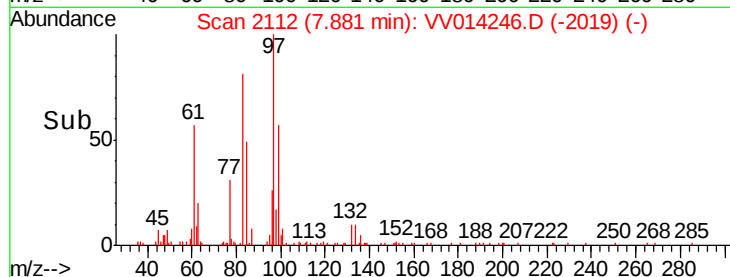
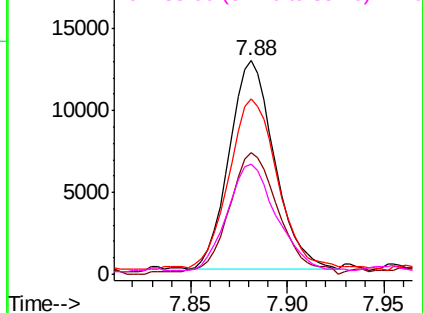
#45
1,1,2-Trichloroethane
Concen: 0.514 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	20717
Ion	Ratio	Lower	Upper
97	100		
99	56.8	43.0	80.0
83	82.2	60.6	112.6
85	51.4	38.6	71.8

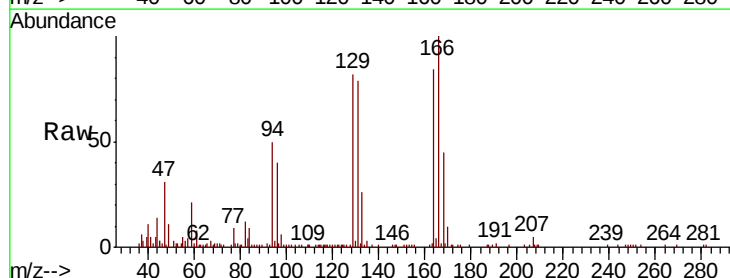


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

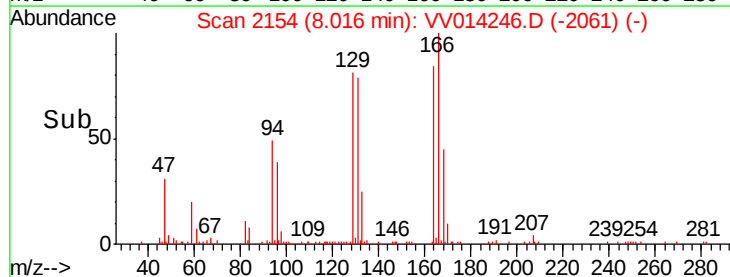
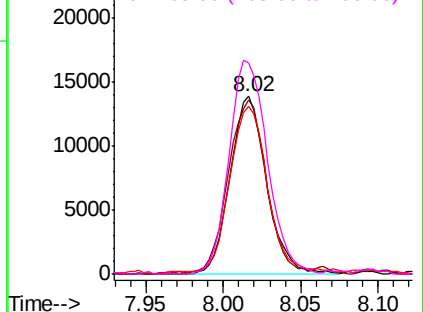


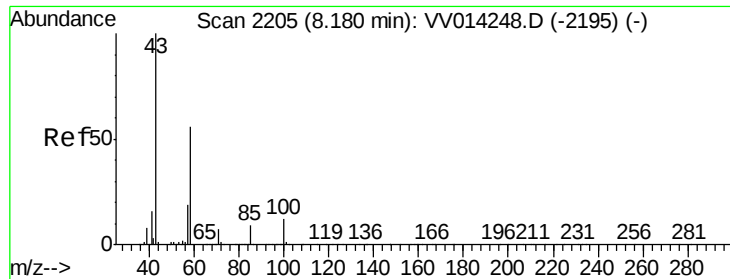
#47
Tetrachloroethene
Concen: 0.504 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Tgt Ion:	164	Resp:	22804
Ion	Ratio	Lower	Upper
164	100		
129	97.8	71.0	131.9
131	94.4	68.5	127.3
166	119.0	88.8	164.8



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

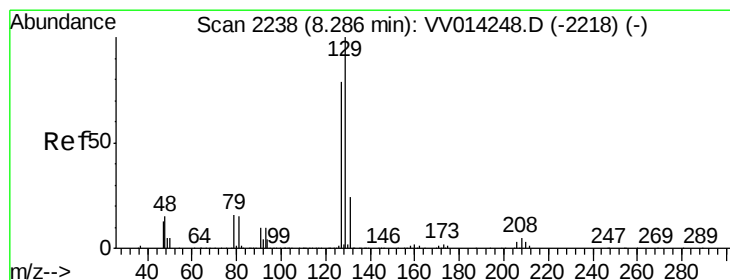
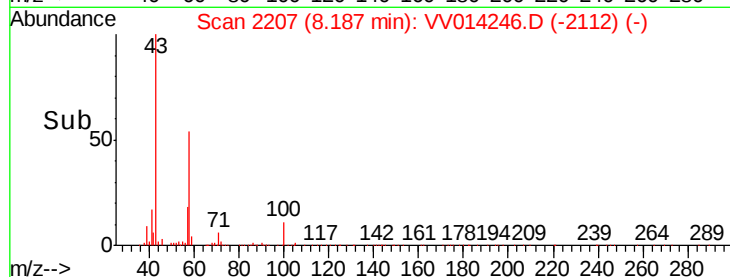
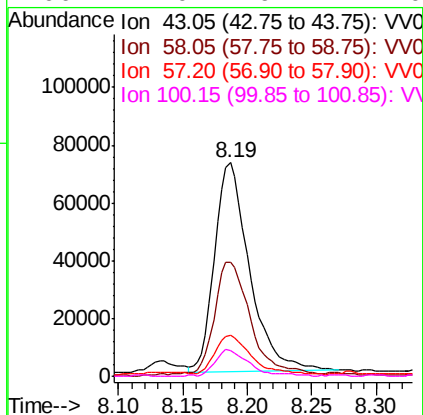
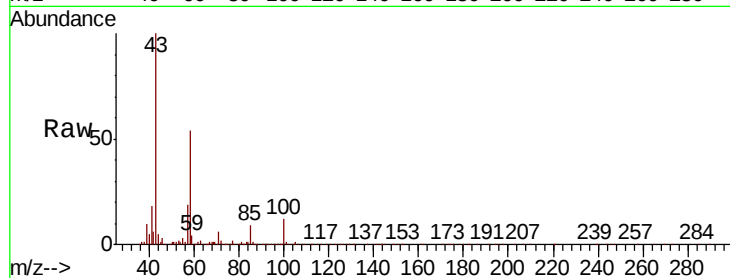




#48
2-Hexanone
Concen: 5.242 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

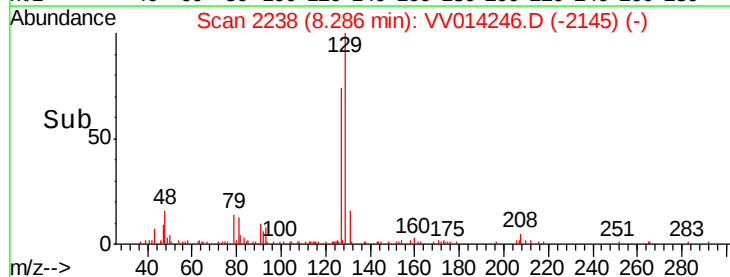
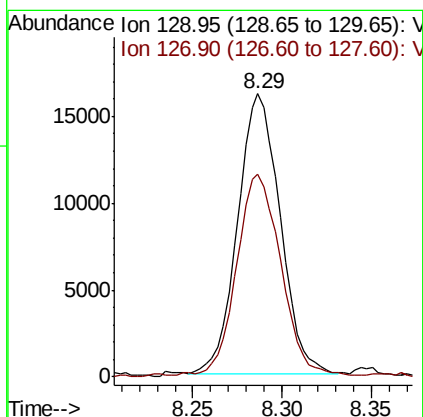
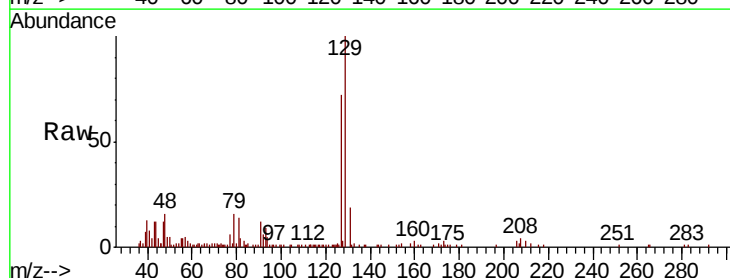
Instrument :
MSVOA_V
ClientSampleId :

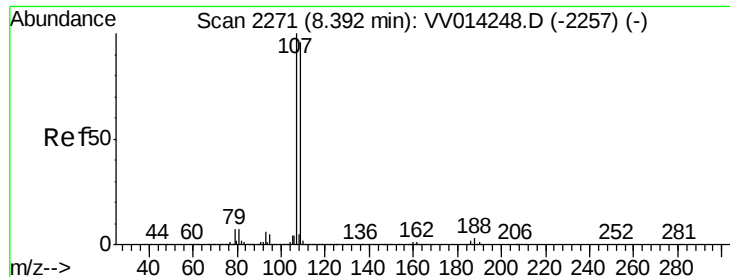
Tot Ion:	43	Resp:	135951
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.0	66.0
57	19.2	15.5	23.3
100	12.0	9.4	14.0



#49
Dibromochloromethane
Concen: 0.524 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014246.D
Acq: 02 Jan 2020 13:53

Tgt Ion:	129	Resp:	26861
Ion	Ratio	Lower	Upper
129	100		
127	71.8	54.9	102.1





#50

1,2-Dibromoethane

Concen: 0.512 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

ClientSampled :

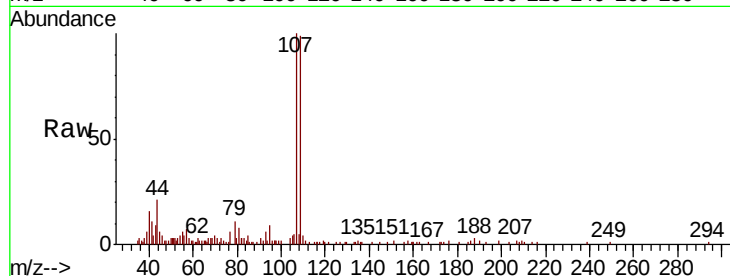
Tot Ion:107 Resp: 19942

Ion Ratio Lower Upper

107 100

109 98.6 67.5 125.4

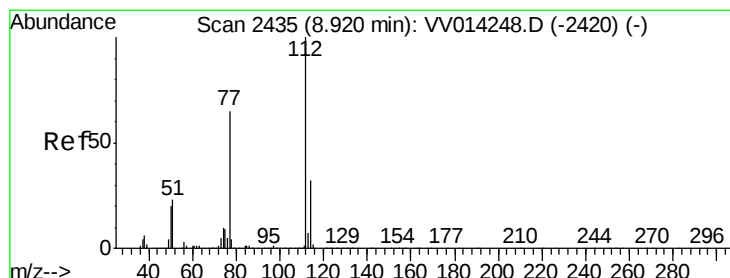
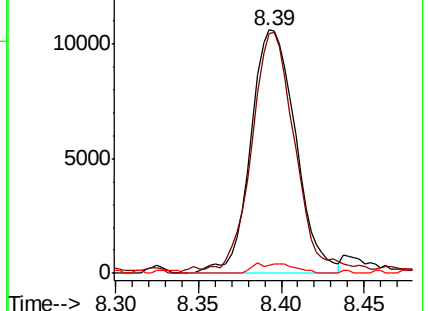
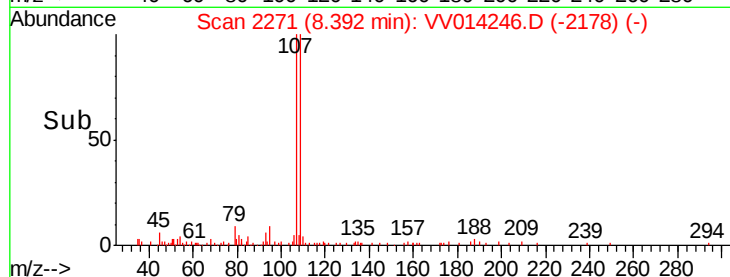
188 3.3 2.6 4.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.528 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

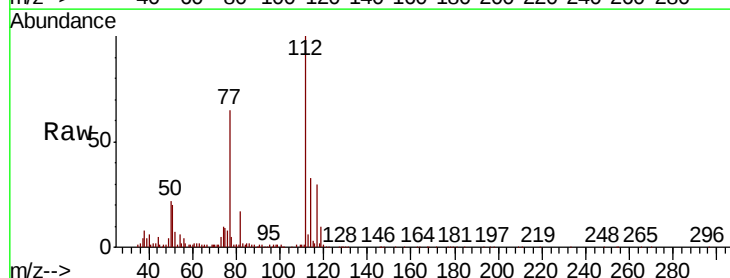
Tgt Ion:112 Resp: 86957

Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.1

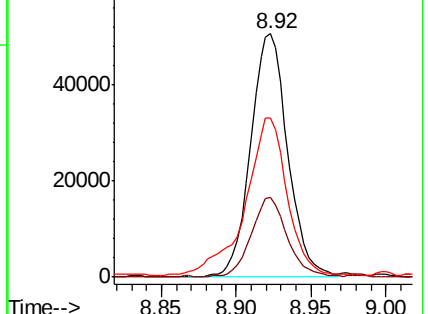
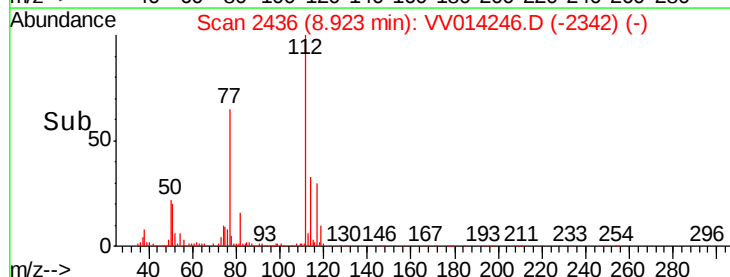
77 65.4 51.8 77.8

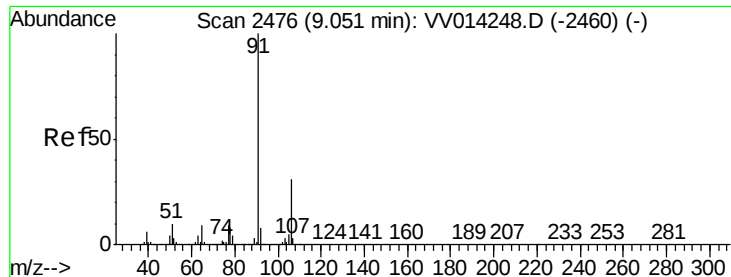


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.520 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

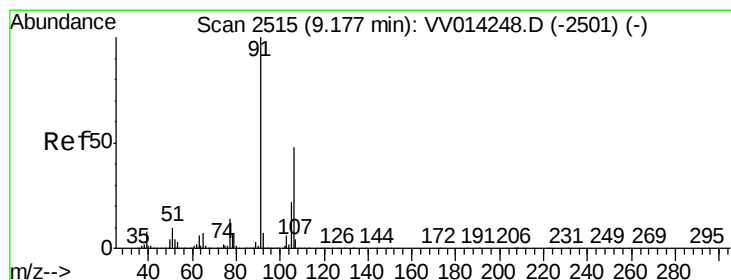
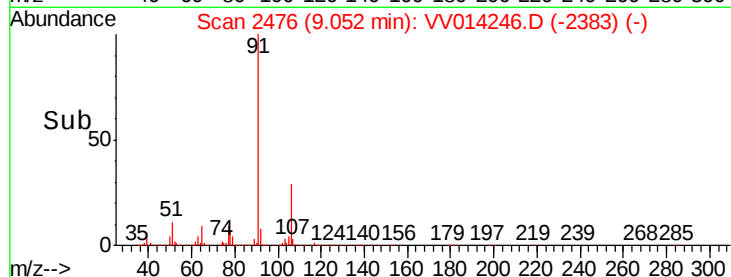
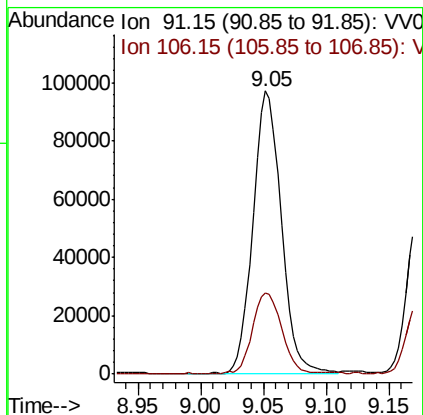
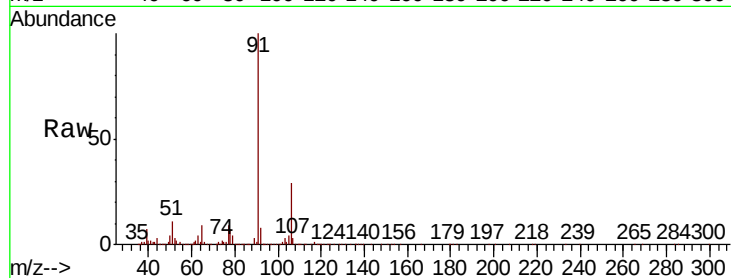
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 154237

Ion Ratio Lower Upper

91 100

106 28.8 21.6 40.0



#53

m,p-xylene

Concen: 0.498 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014246.D

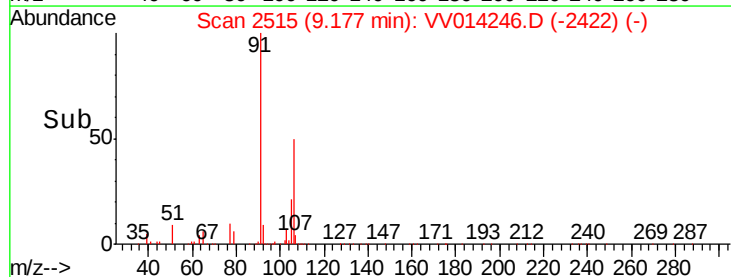
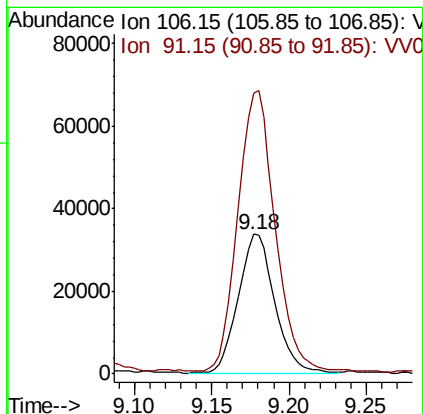
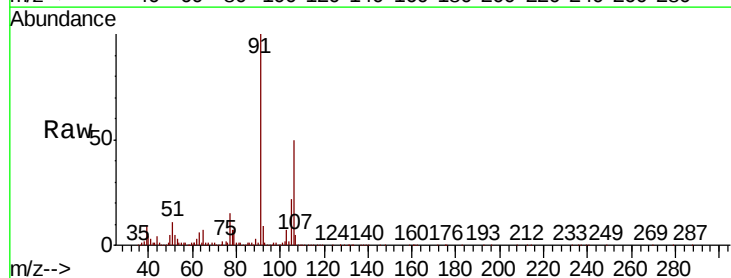
Acq: 02 Jan 2020 13:53

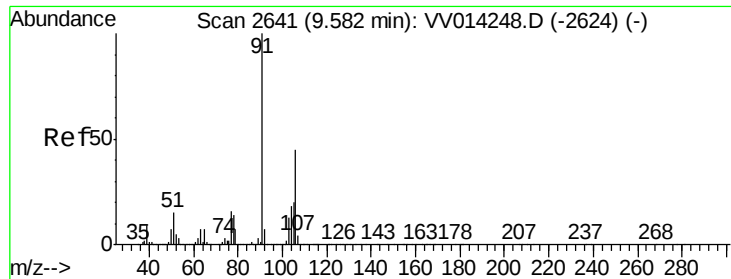
Tgt Ion: 106 Resp: 55353

Ion Ratio Lower Upper

106 100

91 201.5 146.7 272.4





#54

o-xylene

Concen: 0.514 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

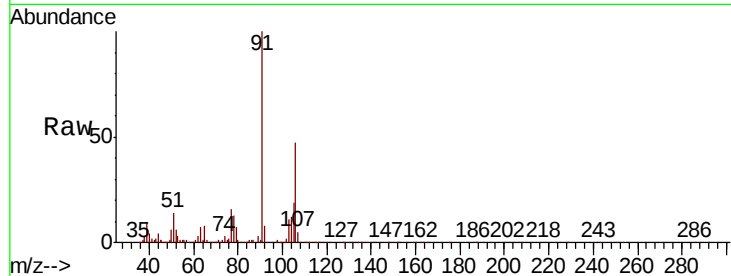
ClientSampleId :

Tot Ion:106 Resp: 55641

Ion Ratio Lower Upper

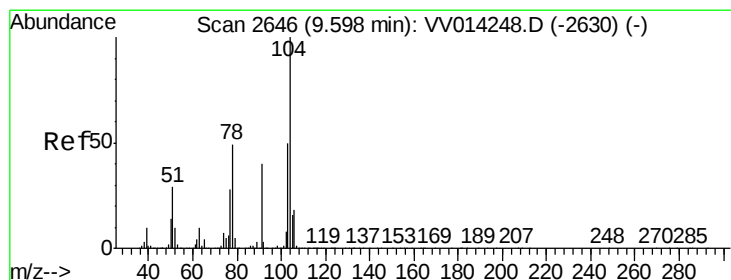
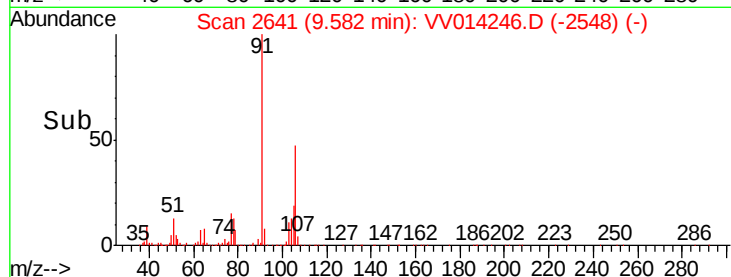
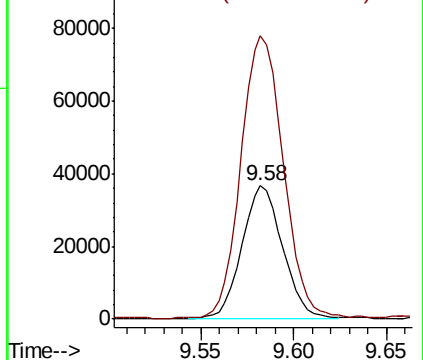
106 100

91 212.3 155.1 288.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.530 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014246.D

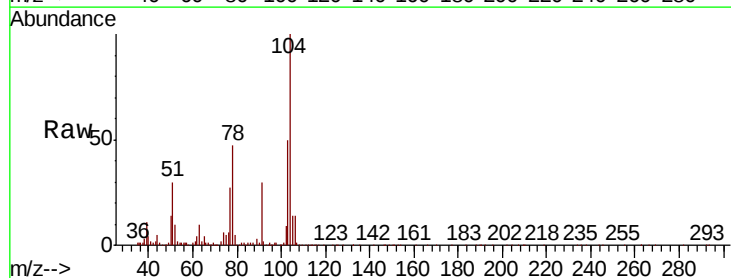
Acq: 02 Jan 2020 13:53

Tgt Ion:104 Resp: 96666

Ion Ratio Lower Upper

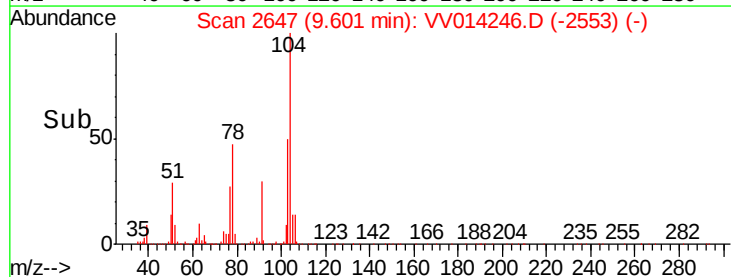
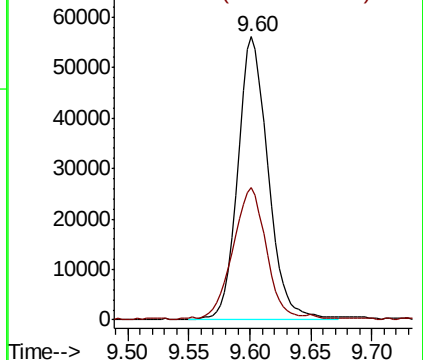
104 100

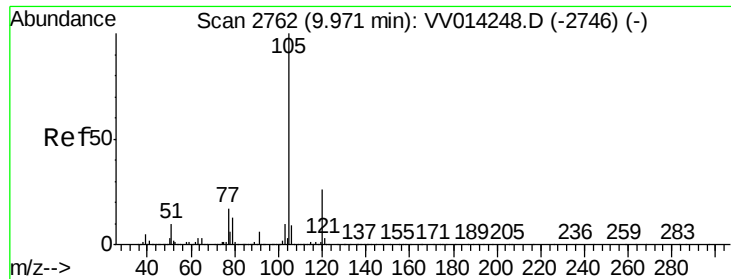
78 46.7 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.501 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

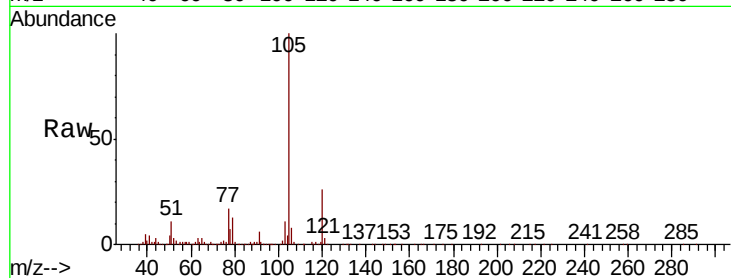
Tot Ion:105 Resp: 142719

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

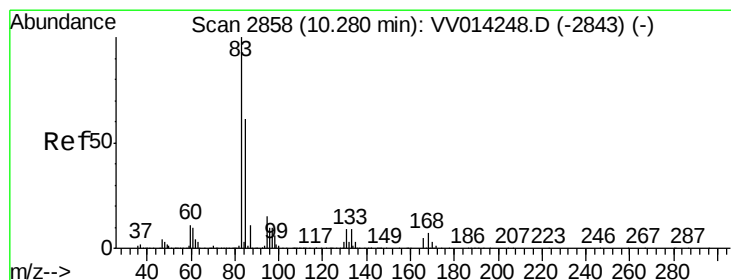
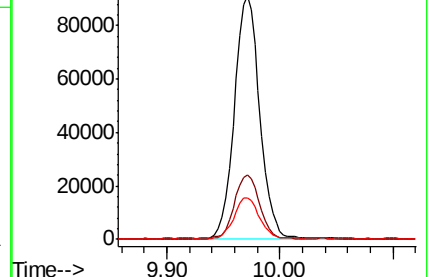
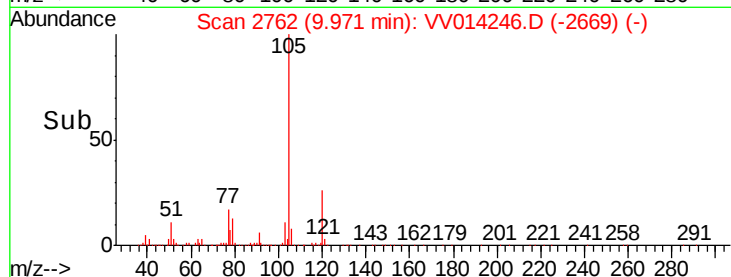
77 16.6 13.0 19.4



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: 0.532 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

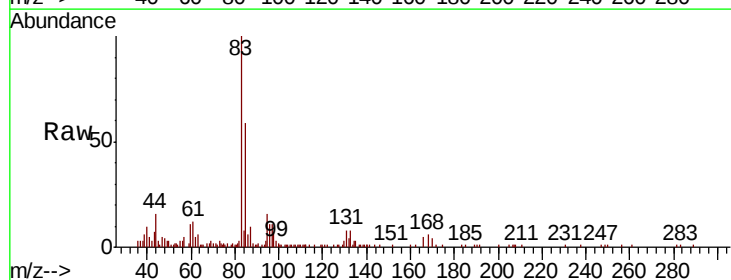
Tgt Ion: 83 Resp: 26175

Ion Ratio Lower Upper

83 100

85 59.0 42.4 78.8

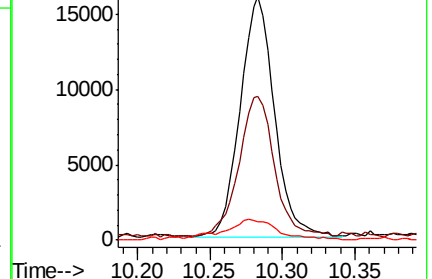
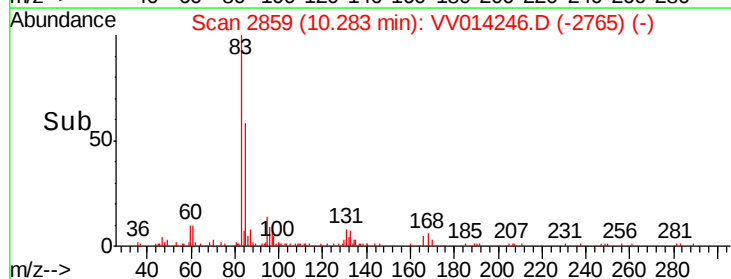
131 7.5 7.4 11.2

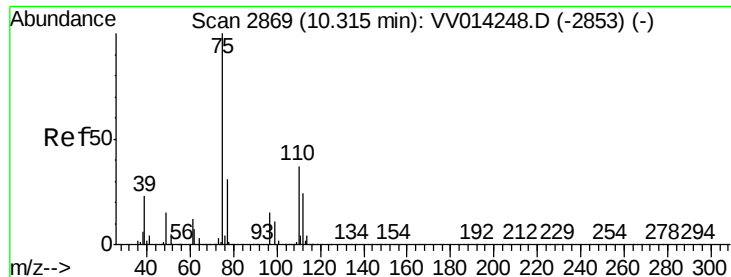


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.541 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

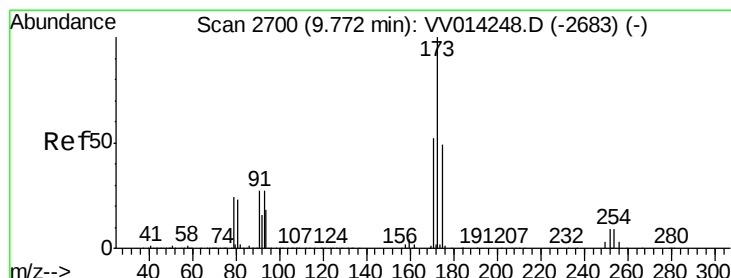
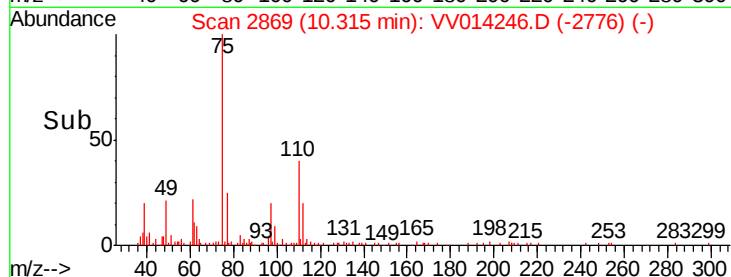
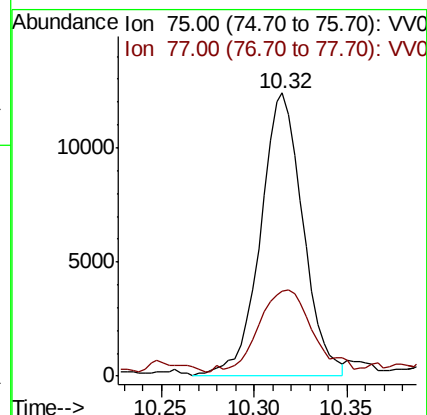
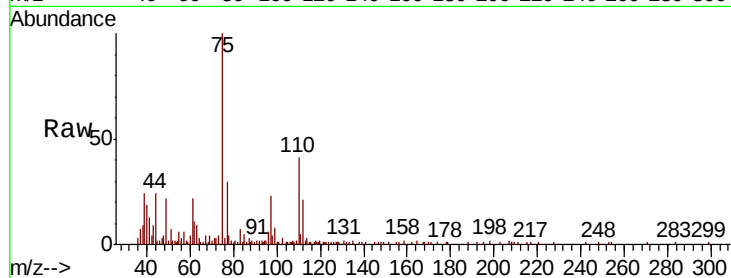
ClientSampled :

Tot Ion: 75 Resp: 19774

Ion Ratio Lower Upper

75 100

77 33.9 25.3 37.9



#61

Bromoform

Concen: 0.470 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

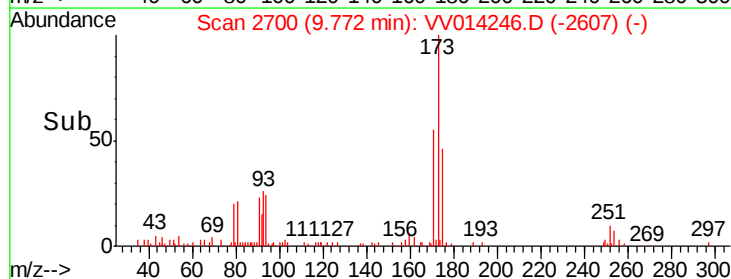
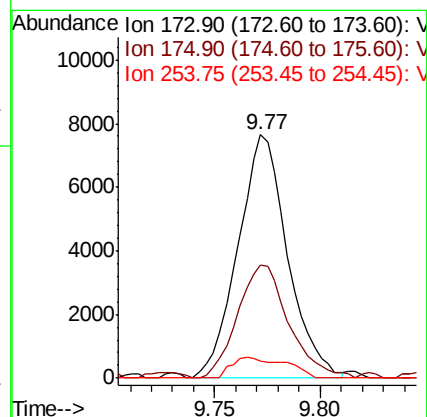
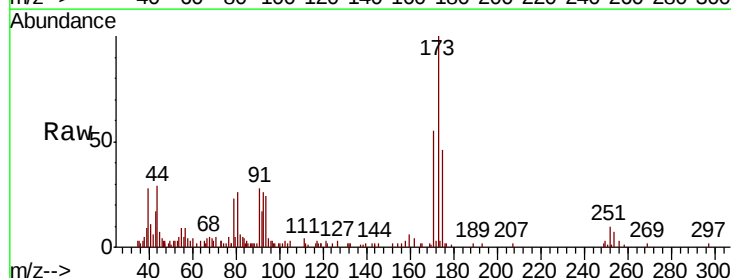
Tgt Ion: 173 Resp: 12490

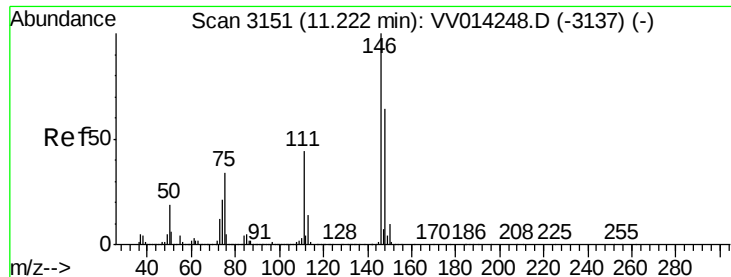
Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

254 9.4 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 0.513 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

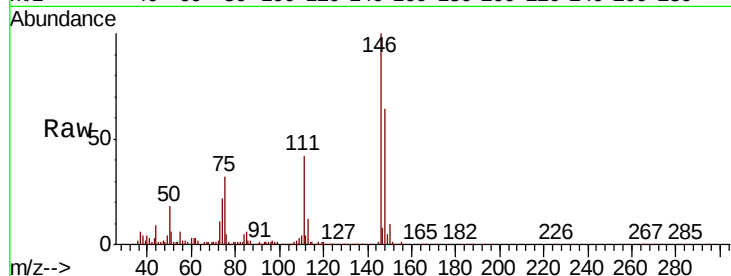
Tot Ion:146 Resp: 61707

Ion Ratio Lower Upper

146 100

111 41.7 30.6 56.8

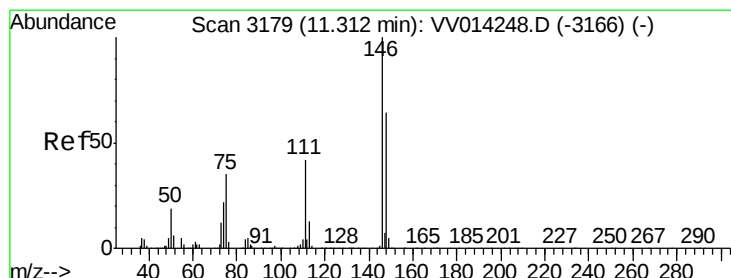
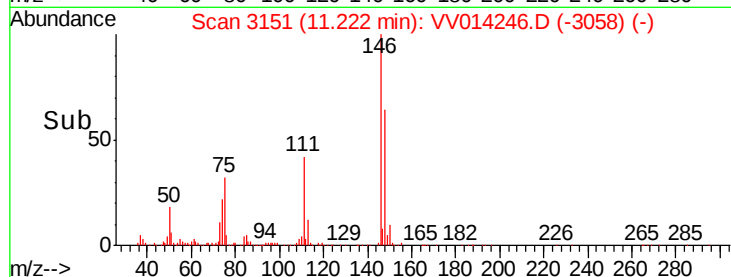
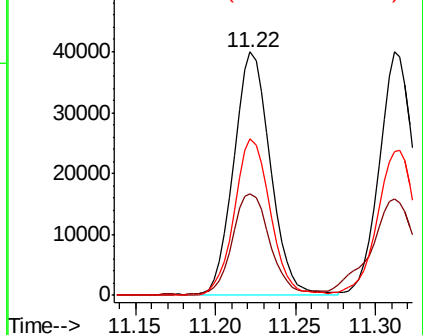
148 64.3 44.7 82.9



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: 0.512 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

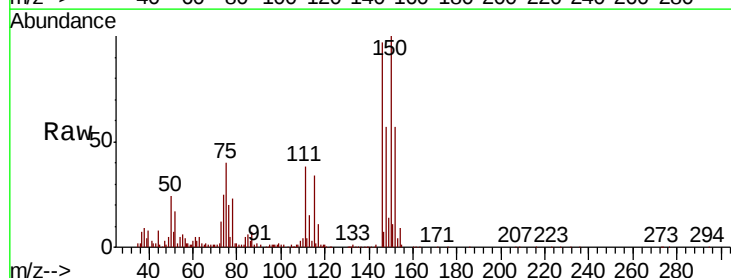
Tgt Ion:146 Resp: 61556

Ion Ratio Lower Upper

146 100

111 39.5 29.8 55.4

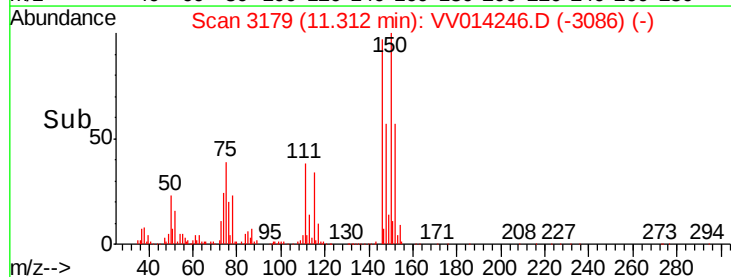
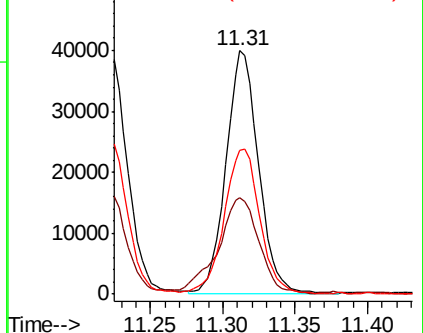
148 58.9 44.6 82.8

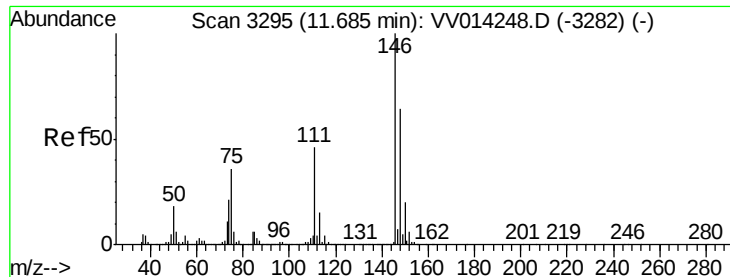


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

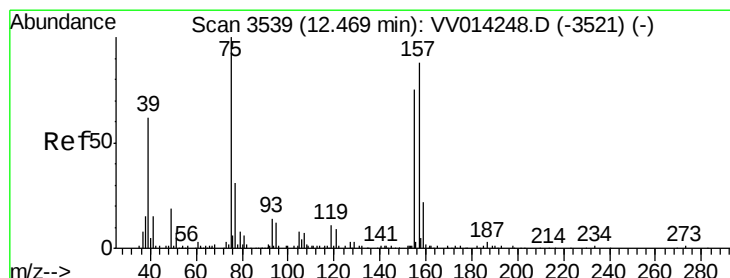
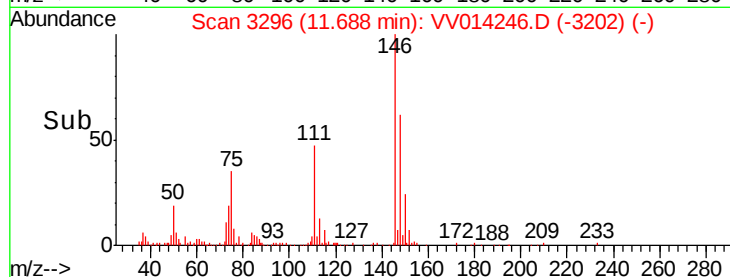
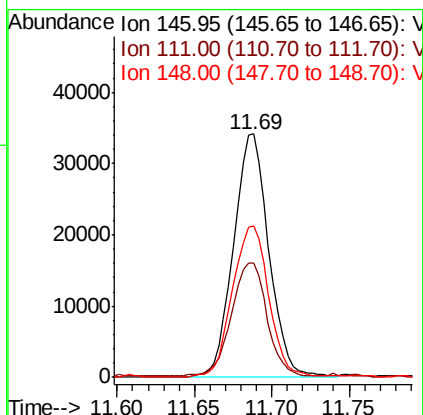
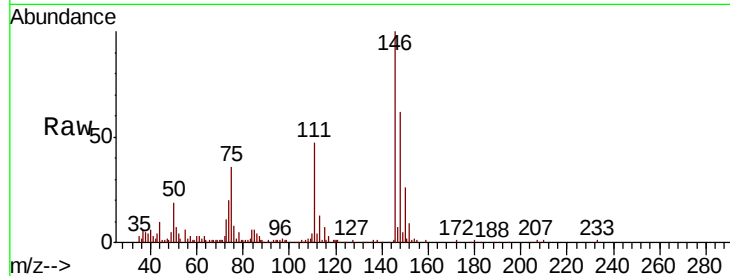




#65
 1,2-Dichlorobenzene
 Concen: 0.493 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

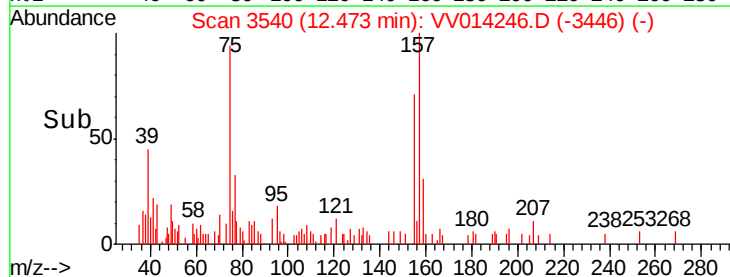
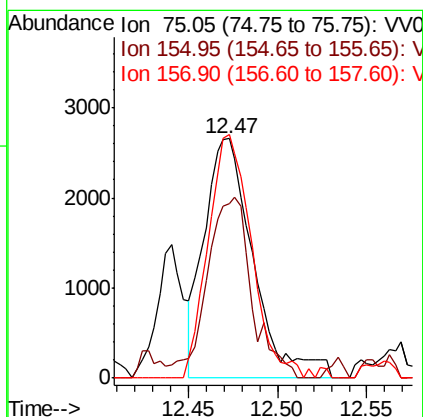
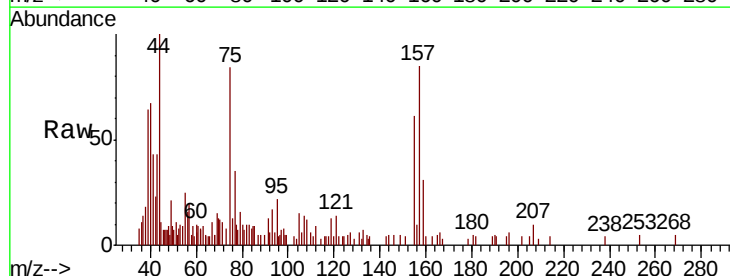
Instrument :
 MSVOA_V
 ClientSampleId :

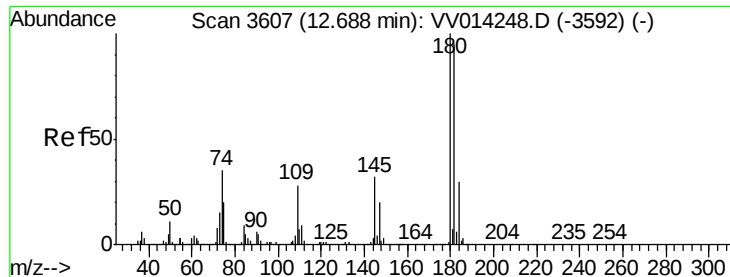
Tot Ion:146 Resp: 54213
 Ion Ratio Lower Upper
 146 100
 111 46.7 37.3 55.9
 148 62.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.544 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion: 75 Resp: 5044
 Ion Ratio Lower Upper
 75 100
 155 72.7 60.1 90.1
 157 101.7 70.6 105.8

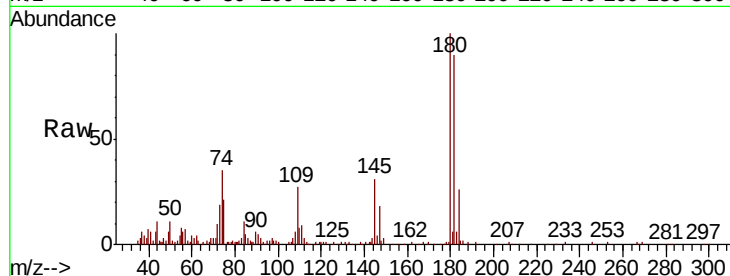




#67
 1,3,5-Trichlorobenzene
 Concen: 0.519 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.0	76.1	114.1
184	29.7	23.6	35.4
145	32.5	25.8	38.6



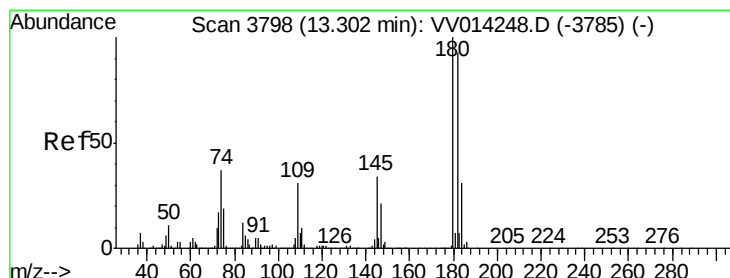
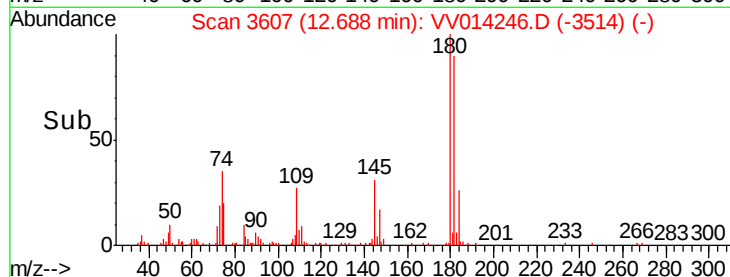
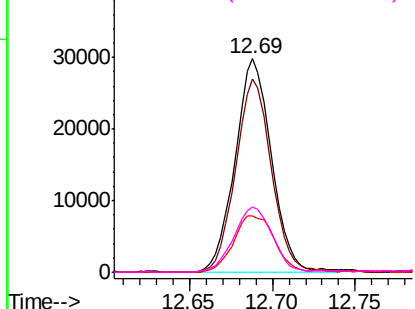
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

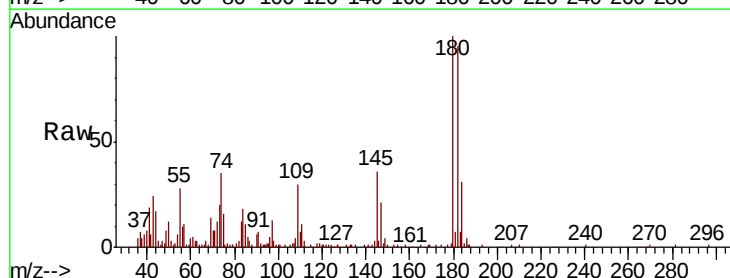
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.504 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014246.D
 Acq: 02 Jan 2020 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.0	114.0
145	36.0	27.4	41.0

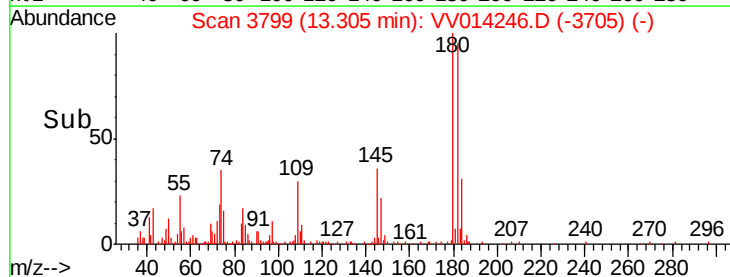
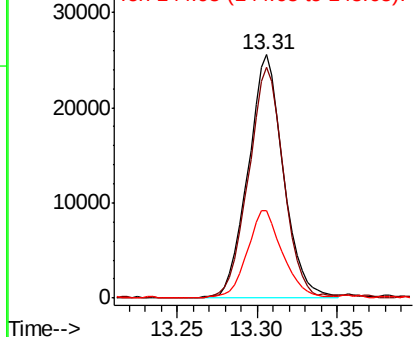


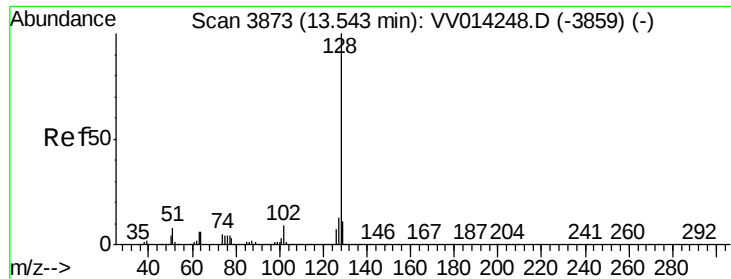
Abundance

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: 0.535 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

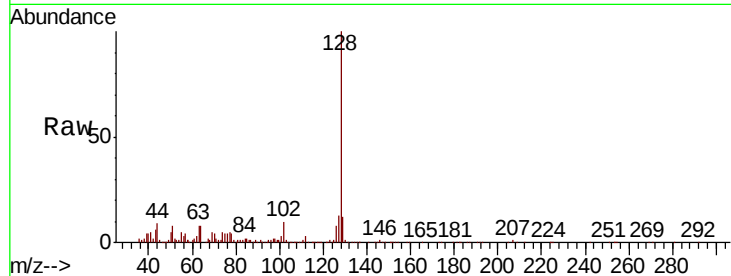
Tot Ion:128 Resp: 76661

Ion Ratio Lower Upper

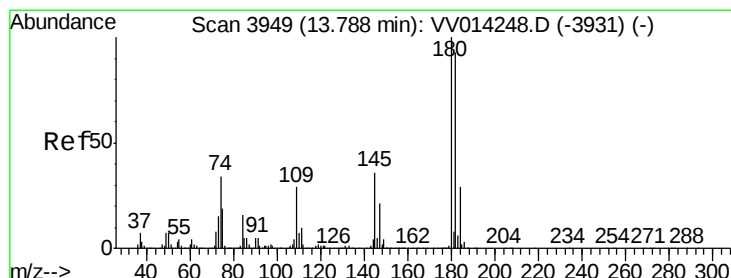
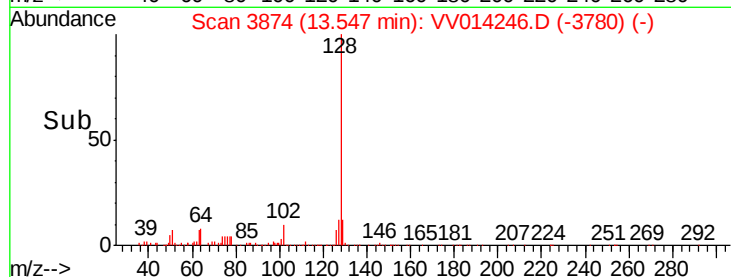
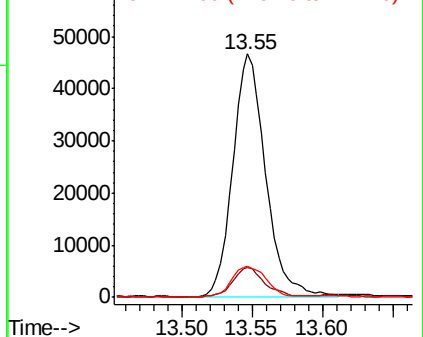
128 100

129 12.1 8.7 13.1

127 13.5 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: 0.494 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014246.D

Acq: 02 Jan 2020 13:53

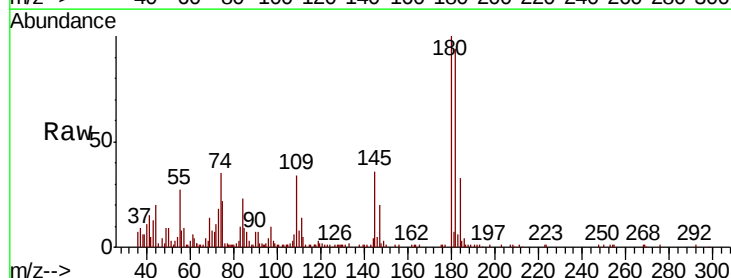
Tgt Ion:180 Resp: 33263

Ion Ratio Lower Upper

180 100

182 98.2 75.1 112.7

145 36.6 28.9 43.3



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

