

Data File : VV014431.D
Acq On : 30 Jan 2020 09:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB36

Quant Time: Jan 31 07:42:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR012920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 30 01:45:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	246751	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	222479	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	106814	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61389	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	43507	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.13	63	90573	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	3.95	46	99922	34.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.46%
24) Chloroform-d	4.40	84	127596	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.08	65	56960	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	5.09	84	275340	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.11	67	81414	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.35	98	257064	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.66	79	33445	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.13	63	122094	42.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.00%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	55573	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	83183	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	90384	4.536	ug/L 99
3) Chloromethane	1.25	50	70878	4.624	ug/L 100
5) Vinyl chloride	1.32	62	71112	4.625	ug/L 98
6) Bromomethane	1.54	94	28354	5.521	ug/L 98
8) Chloroethane	1.60	64	37800	4.926	ug/L 99
9) Trichlorofluoromethane	1.77	101	95751	4.772	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	49622	4.576	ug/L 99
12) 1,1-Dichloroethene	2.14	96	44841	4.523	ug/L 97
13) Acetone	2.21	43	58550	33.300	ug/L 81
14) Carbon disulfide	2.32	76	223862	4.421	ug/L 99
15) Methyl Acetate	2.47	43	22731	5.032	ug/L 94
16) Methylene chloride	2.53	84	77192	4.001	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	156103	4.332	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	78026	4.524	ug/L 96
19) 1,1-Dichloroethane	3.23	63	140718	4.486	ug/L 97
21) 2-Butanone	4.03	43	116313	36.168	ug/L 89
22) cis-1,2-Dichloroethene	3.96	96	83920	4.501	ug/L 99

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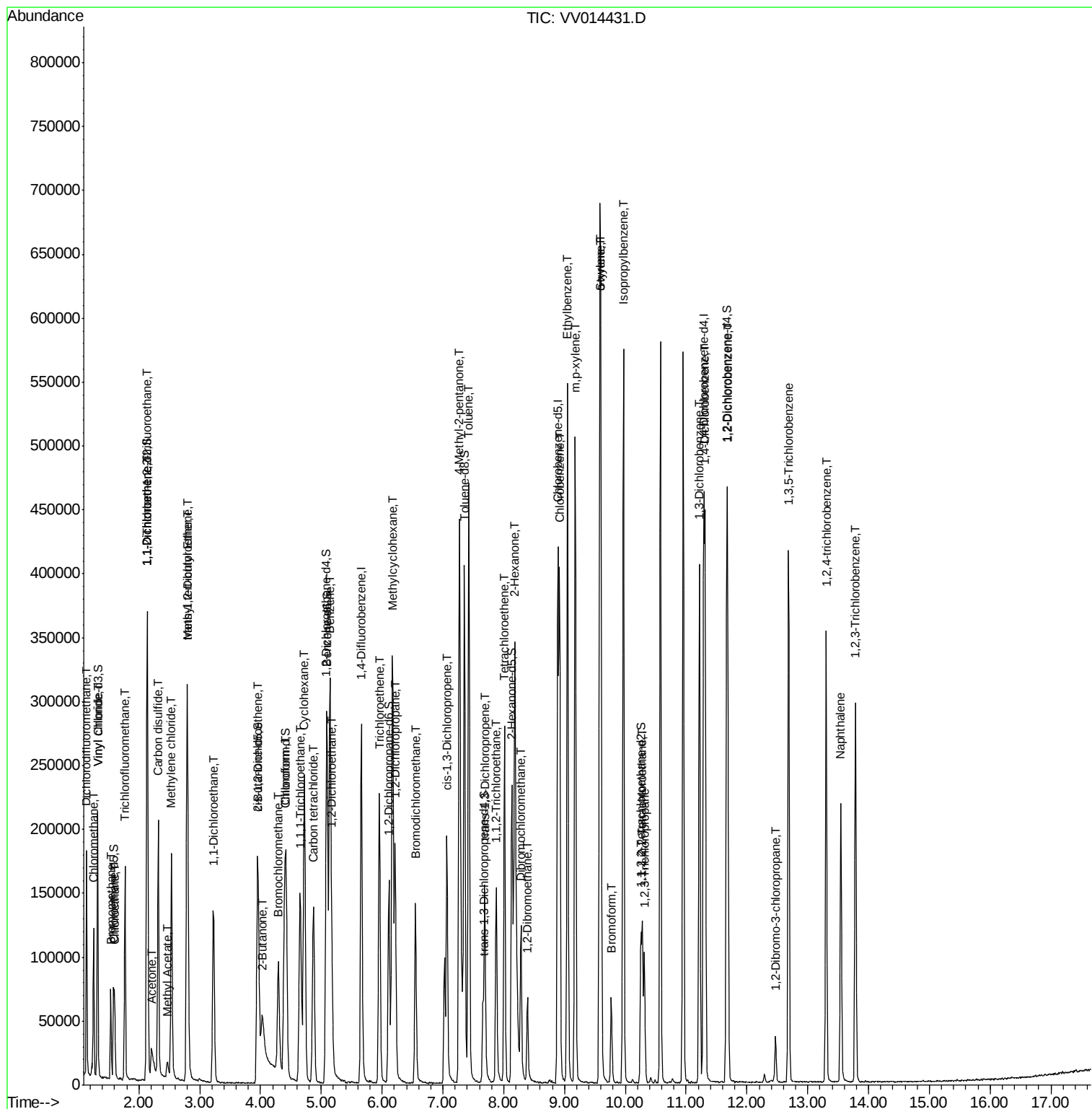
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	31486	4.539	ug/L	99
25) Chloroform	4.42	83	140627	4.463	ug/L	97
27) 1,2-Dichloroethane	5.17	62	73254	4.324	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	120128	4.556	ug/L	100
30) Cyclohexane	4.72	56	141109	4.639	ug/L	99
31) Carbon tetrachloride	4.87	117	104059	4.641	ug/L	98
33) Benzene	5.14	78	317389	4.558	ug/L	100
34) Trichloroethene	5.95	95	83960	4.591	ug/L	98
35) Methylcyclohexane	6.17	83	143701	4.568	ug/L	99
37) 1,2-Dichloropropane	6.21	63	75983	4.426	ug/L	100
38) Bromodichloromethane	6.55	83	97586	4.641	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	117698	4.526	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	422076	44.834	ug/L	99
42) Toluene	7.42	91	339833	4.590	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	88809	4.532	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	50338	4.498	ug/L	99
47) Tetrachloroethene	8.01	164	59163	4.502	ug/L	98
48) 2-Hexanone	8.18	43	295933	45.122	ug/L	98
49) Dibromochloromethane	8.28	129	61177	4.596	ug/L	99
50) 1,2-Dibromoethane	8.39	107	47486	4.593	ug/L	100
51) Chlorobenzene	8.92	112	209145	4.552	ug/L	98
52) Ethylbenzene	9.05	91	381656	4.590	ug/L	99
53) m,p-xylene	9.18	106	142308	4.594	ug/L	92
54) o-xylene	9.58	106	140116	4.633	ug/L	100
55) Styrene	9.60	104	228702	4.605	ug/L	99
56) Isopropylbenzene	9.97	105	369834	4.664	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	60163	4.626	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	43468	4.553	ug/L	100
61) Bromoform	9.77	173	30131	4.647	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	158774	4.574	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	160711	4.643	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	143482	4.580	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	9834	3.976	ug/L	87
67) 1,3,5-Trichlorobenzene	12.68	180	118697	4.633	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	100420	4.662	ug/L	100
69) Naphthalene	13.54	128	173098	4.565	ug/L	98
70) 1,2,3-Trichlorobenzene	13.78	180	86331	4.635	ug/L	99

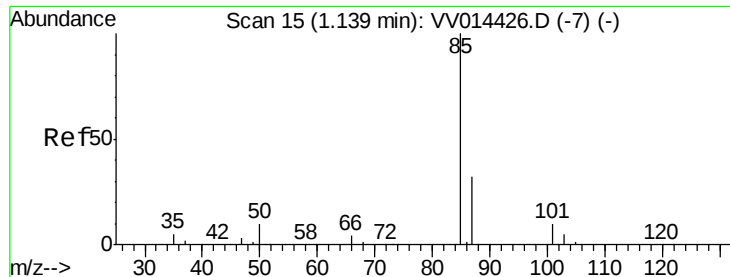
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.536 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampled :

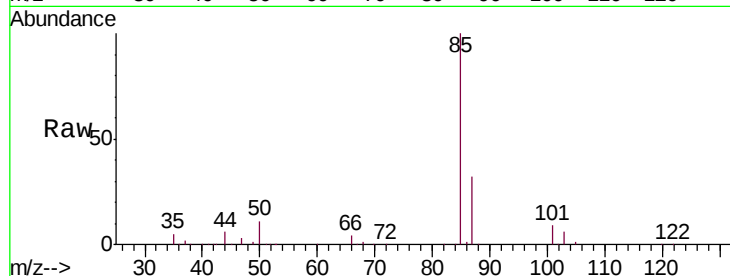
BFB36

Tgt Ion: 85 Resp: 90384

Ion Ratio Lower Upper

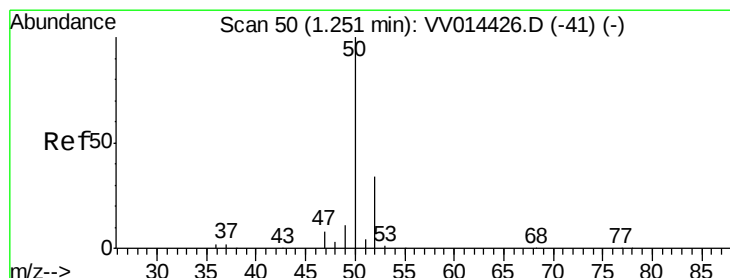
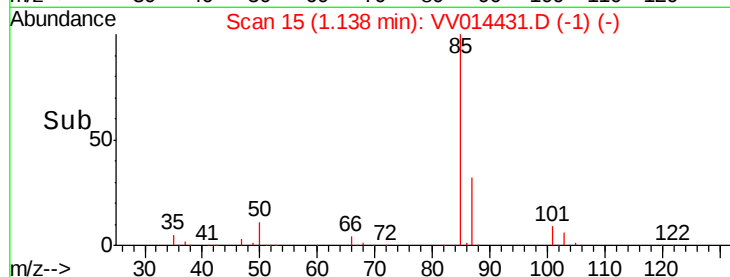
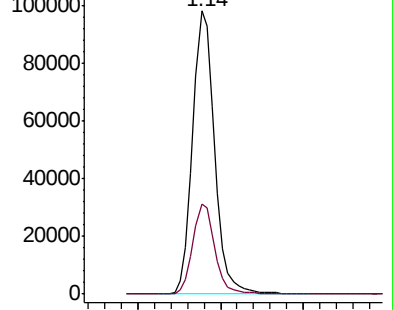
85 100

87 31.9 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV014426.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014426.D (-7) (-)



#3

Chloromethane

Concen: 4.624 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014431.D

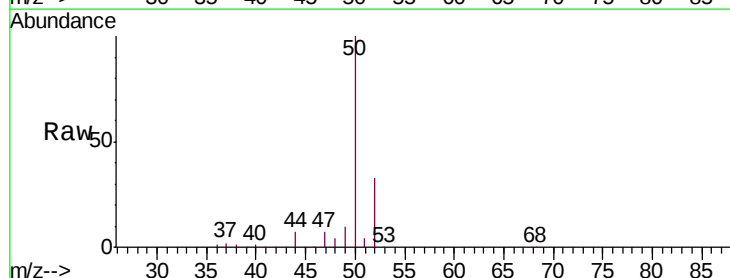
Acq: 30 Jan 2020 09:40

Tgt Ion: 50 Resp: 70878

Ion Ratio Lower Upper

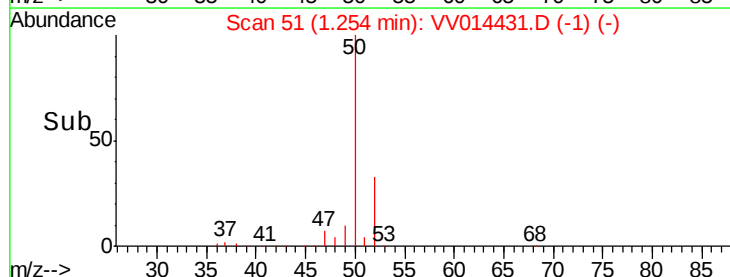
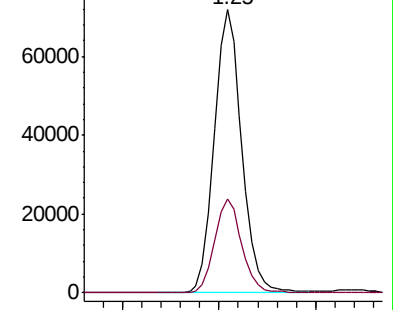
50 100

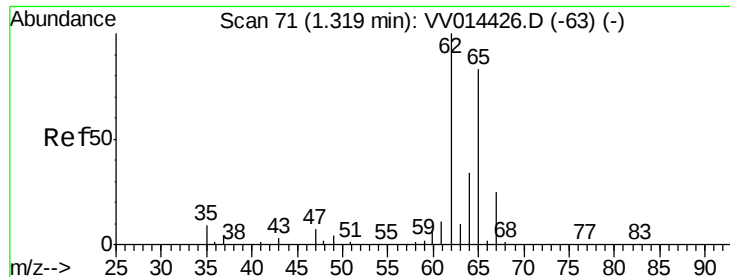
52 33.3 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VV014426.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV014426.D (-41) (-)





#5

Vinyl chloride

Concen: 4.625 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampled :

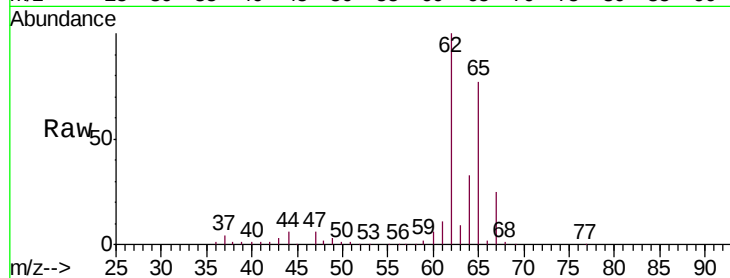
BFB36

Tgt Ion: 62 Resp: 71112

Ion Ratio Lower Upper

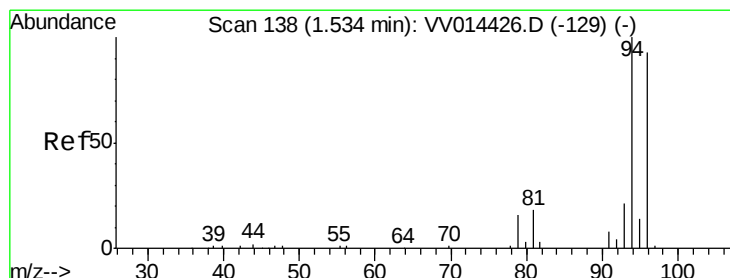
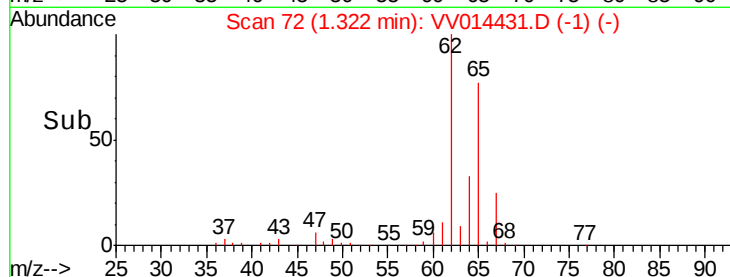
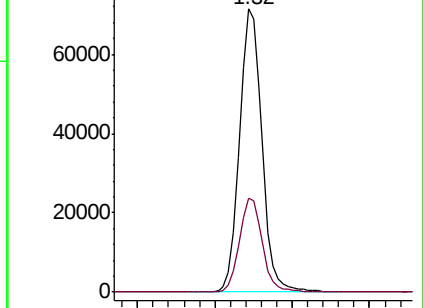
62 100

64 33.2 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.521 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014431.D

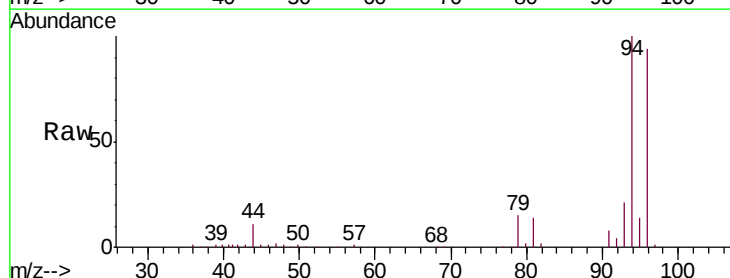
Acq: 30 Jan 2020 09:40

Tgt Ion: 94 Resp: 28354

Ion Ratio Lower Upper

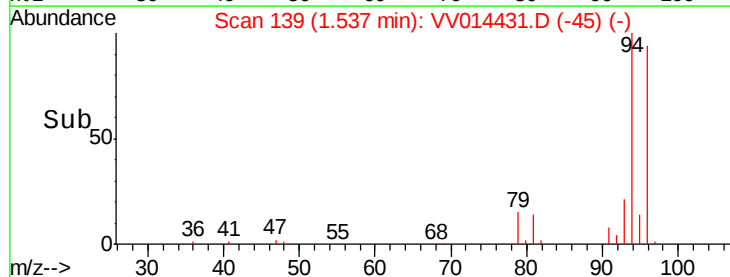
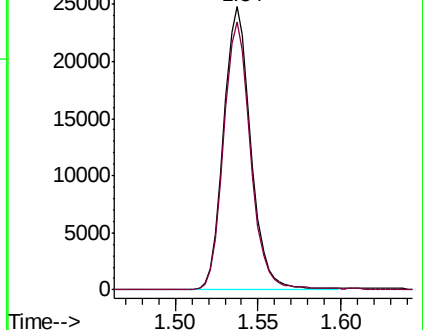
94 100

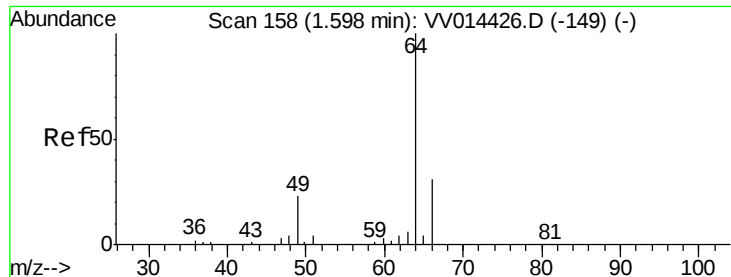
96 94.5 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.926 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

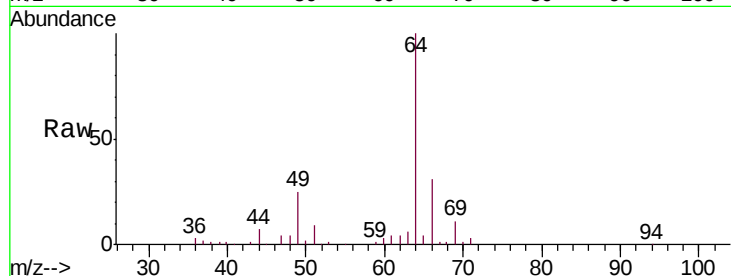
BFB36

Tgt Ion: 64 Resp: 37800

Ion Ratio Lower Upper

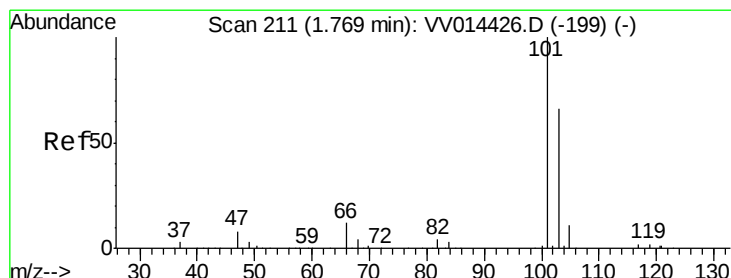
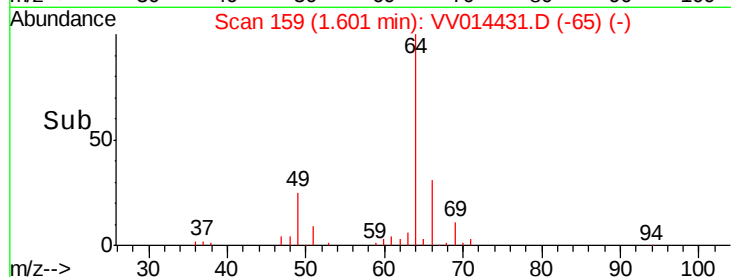
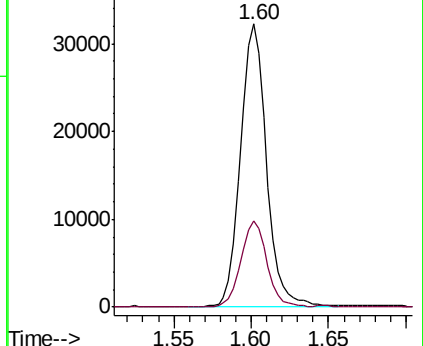
64 100

66 30.5 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV014426.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014426.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.772 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014431.D

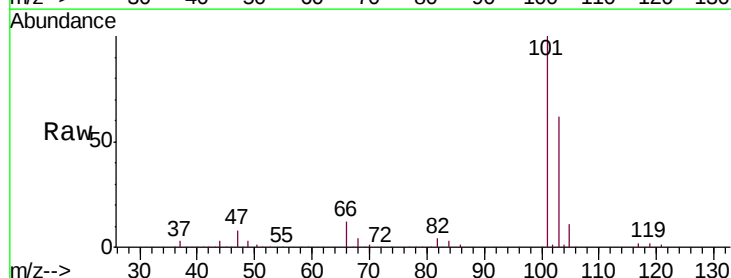
Acq: 30 Jan 2020 09:40

Tgt Ion: 101 Resp: 95751

Ion Ratio Lower Upper

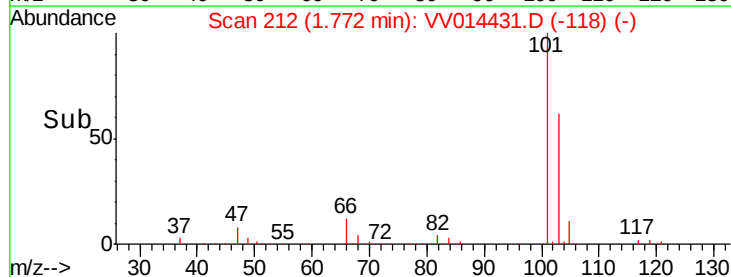
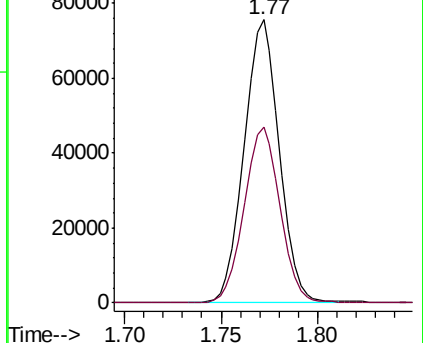
101 100

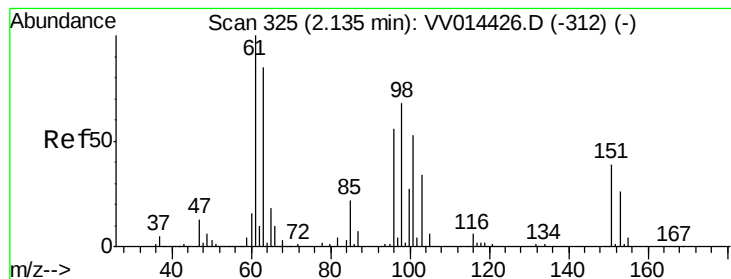
103 63.5 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV014426.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014426.D (-199) (-)





#10

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

Concen: 4.576 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampled :

BFB36

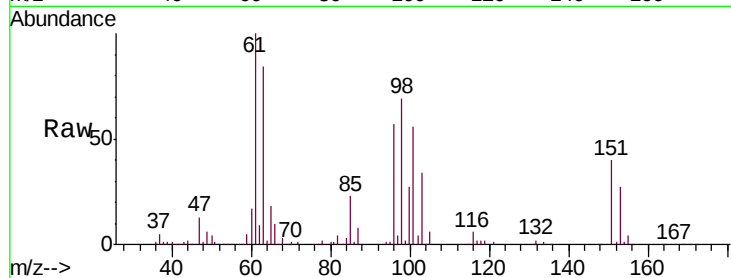
Tgt Ion: 101 Resp: 49622

Ion Ratio Lower Upper

101 100

85 42.5 33.2 49.8

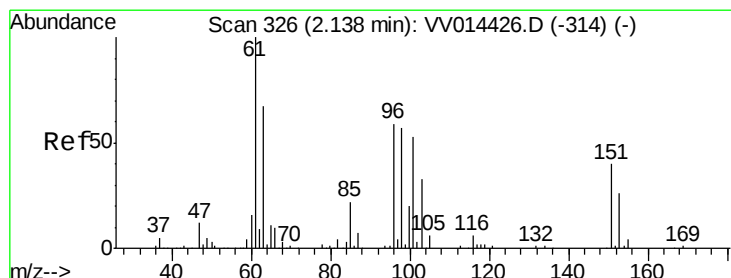
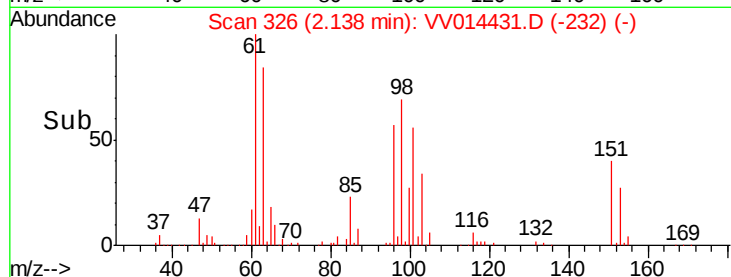
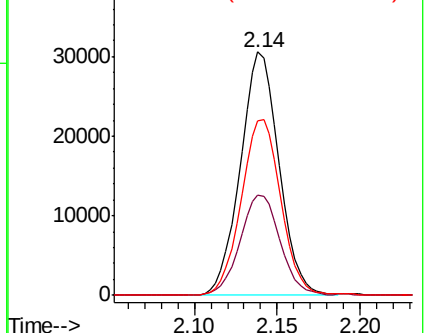
151 74.4 59.6 89.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.523 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

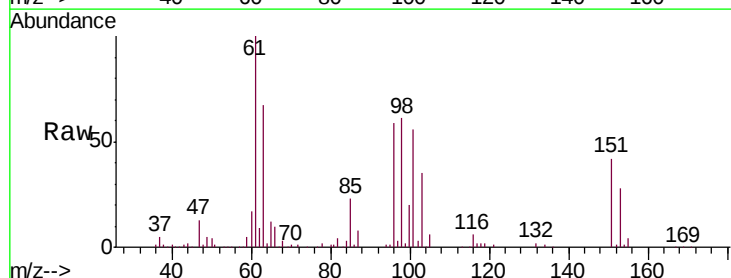
Tgt Ion: 96 Resp: 44841

Ion Ratio Lower Upper

96 100

61 168.4 120.0 223.0

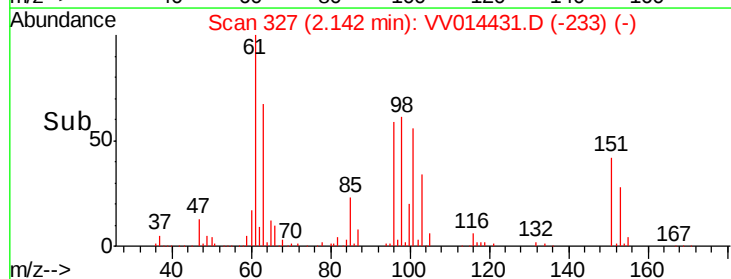
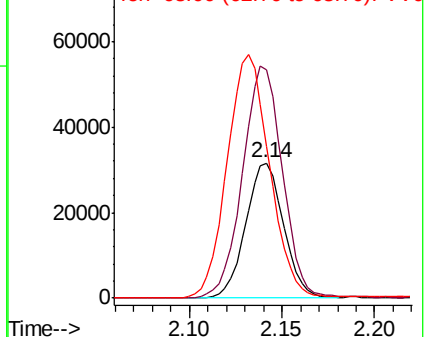
63 112.1 82.4 153.0

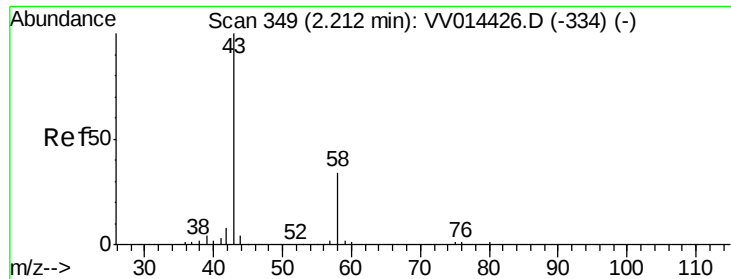


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 33.300 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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ClientSampleId :

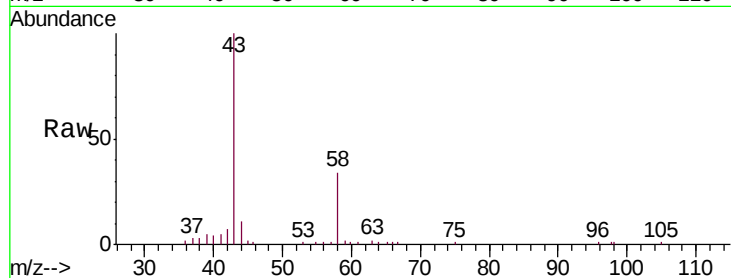
BFB36

Tgt Ion: 43 Resp: 58550

Ion Ratio Lower Upper

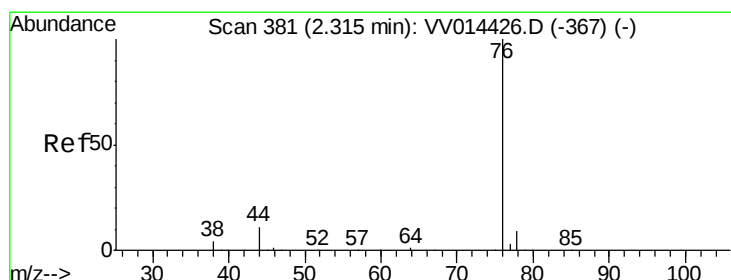
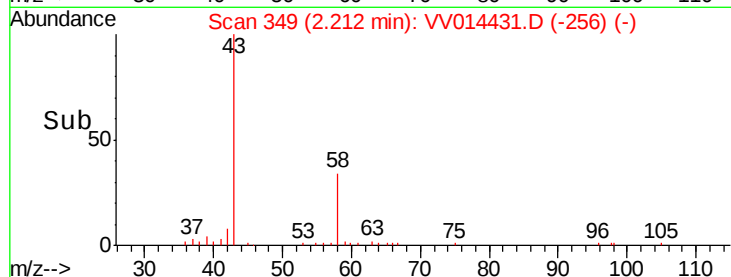
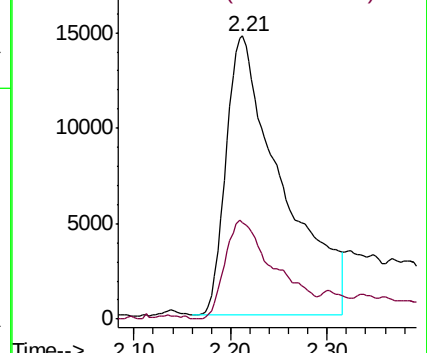
43 100

58 32.7 0.0 47.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.421 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014431.D

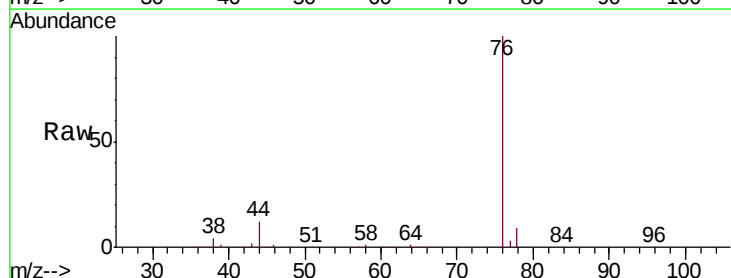
Acq: 30 Jan 2020 09:40

Tgt Ion: 76 Resp: 223862

Ion Ratio Lower Upper

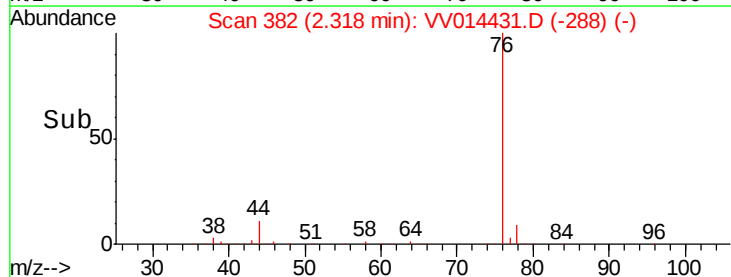
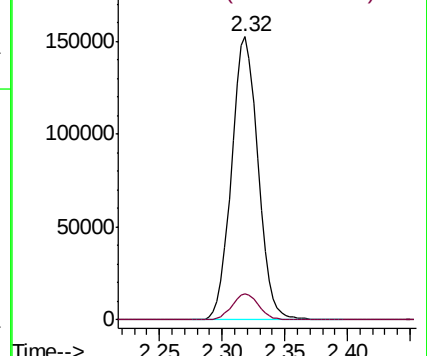
76 100

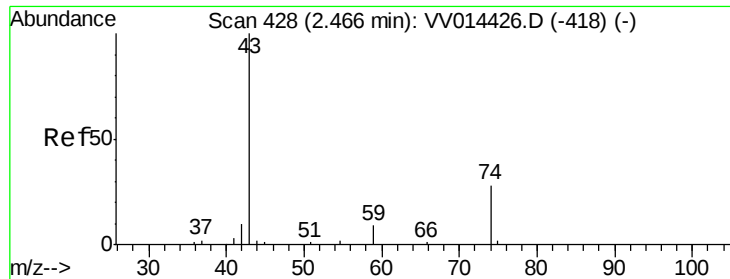
78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

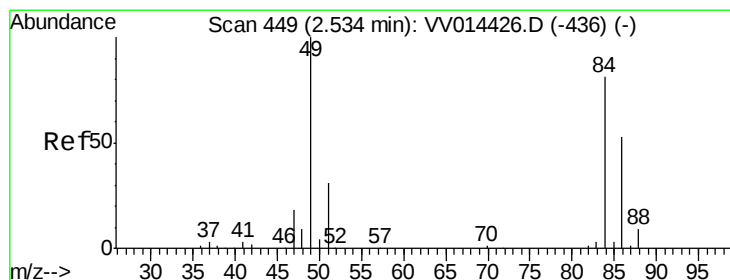
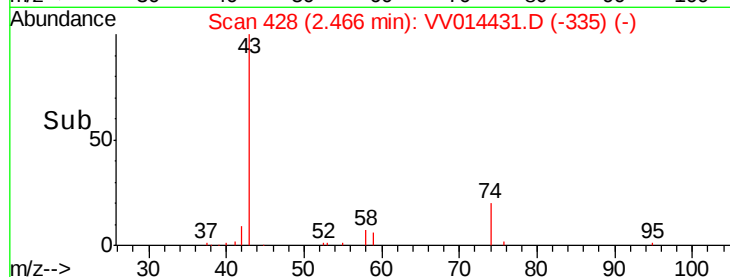
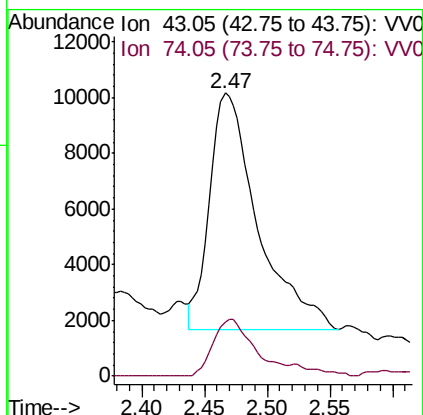
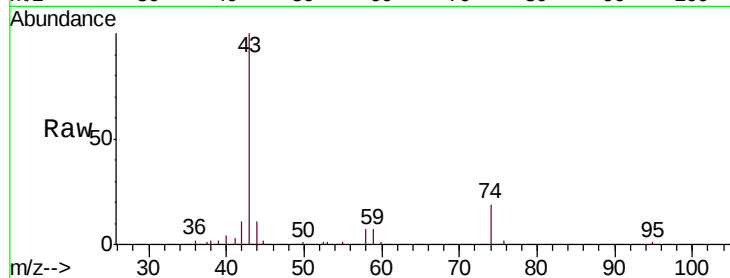




#15
Methyl Acetate
Concen: 5.032 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

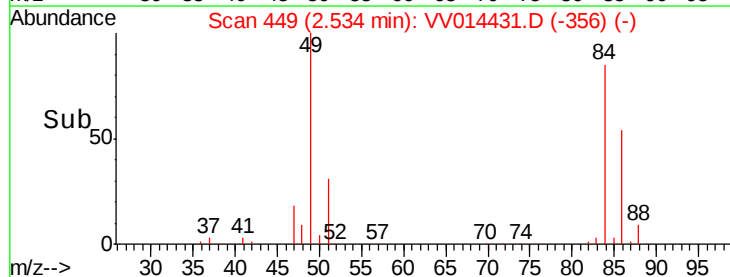
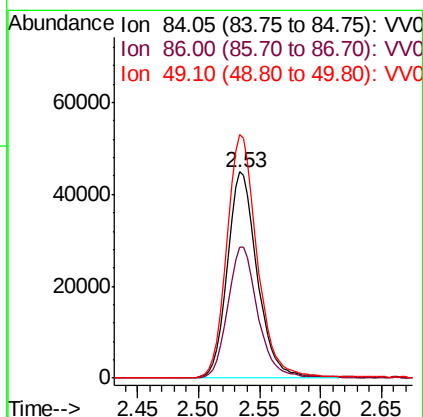
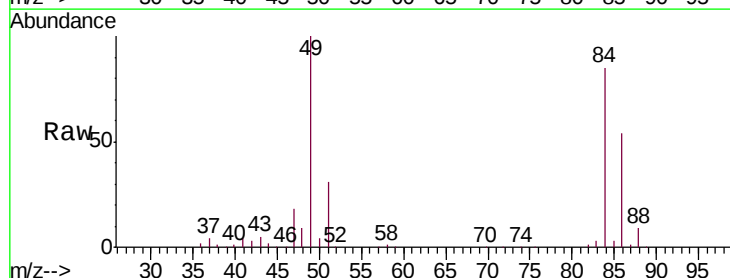
Instrument :
MSVOA_V
ClientSampleId :
BFB36

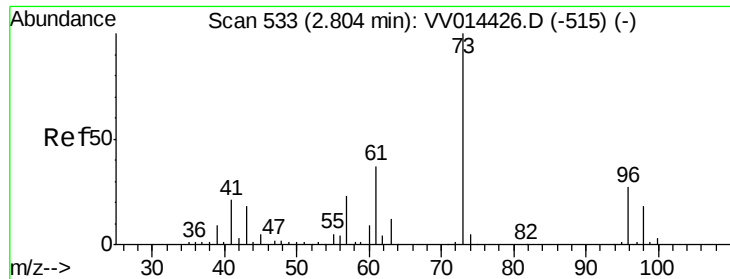
Tgt Ion: 43 Resp: 22731
Ion Ratio Lower Upper
43 100
74 20.7 18.8 28.2



#16
Methylene chloride
Concen: 4.001 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion: 84 Resp: 77192
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.6
49 118.0 86.1 159.9

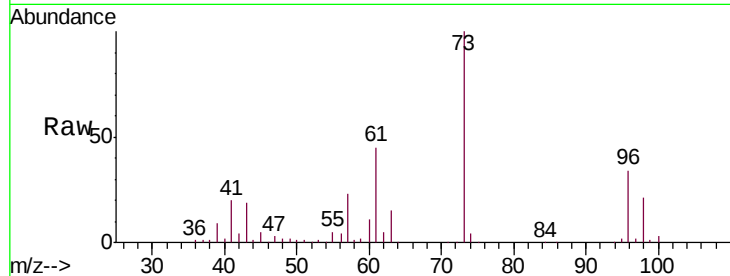




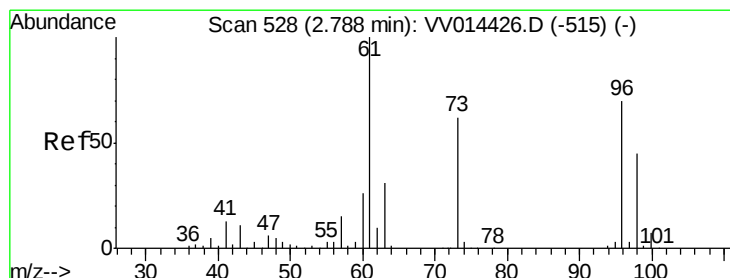
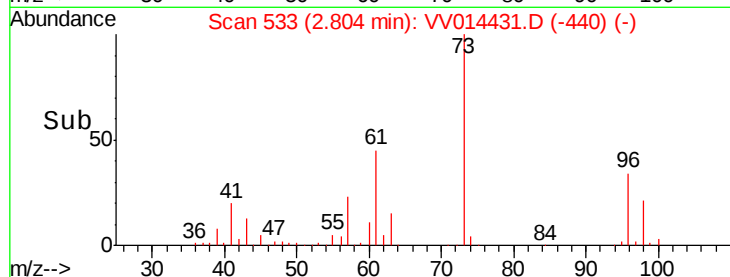
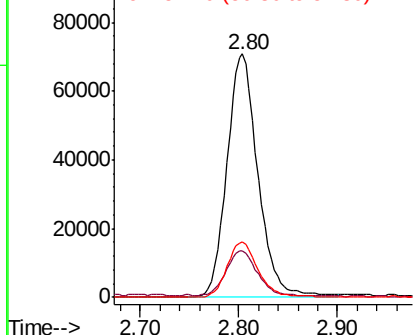
#17
Methyl tert-butyl Ether
Concen: 4.332 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Instrument :
MSVOA_V
ClientSampleId :
BFB36

Tgt Ion: 73 Resp: 156103
Ion Ratio Lower Upper
73 100
43 18.7 14.2 21.2
57 22.7 18.5 27.7

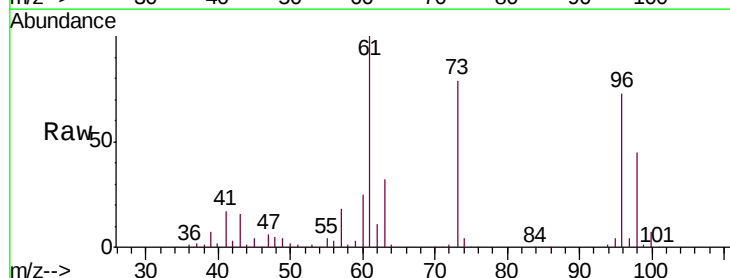


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

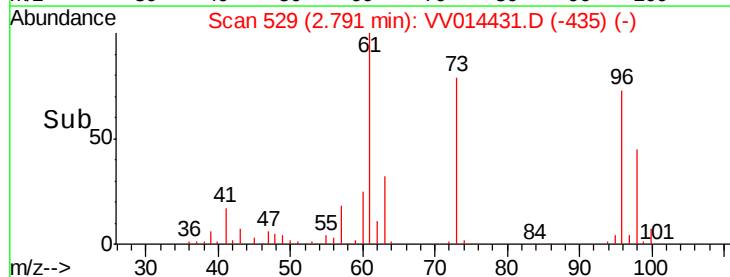
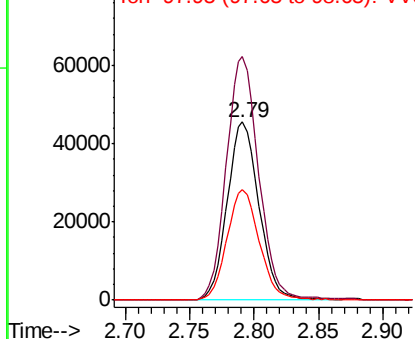


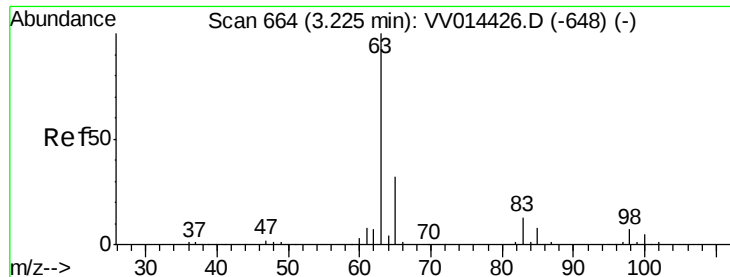
#18
trans-1,2-Dichloroethene
Concen: 4.524 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion: 96 Resp: 78026
Ion Ratio Lower Upper
96 100
61 136.7 99.9 185.5
98 62.2 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

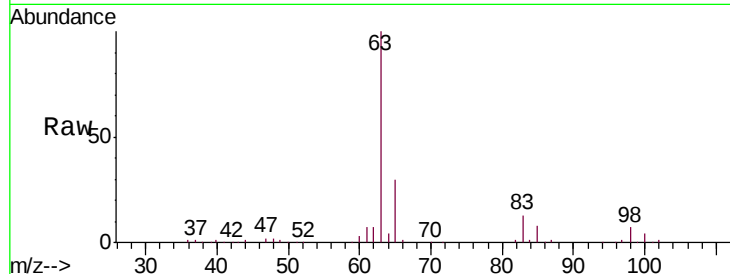




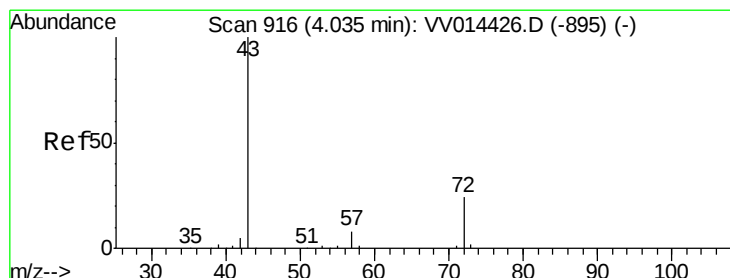
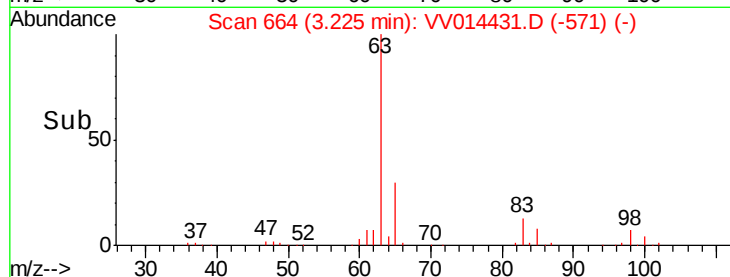
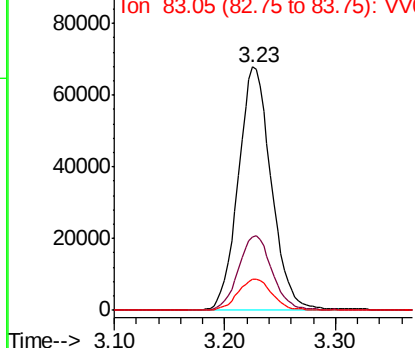
#19
 1,1-Dichloroethane
 Concen: 4.486 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB36

Tgt Ion: 63 Resp: 140718
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.4 41.6
 83 12.6 9.2 17.2

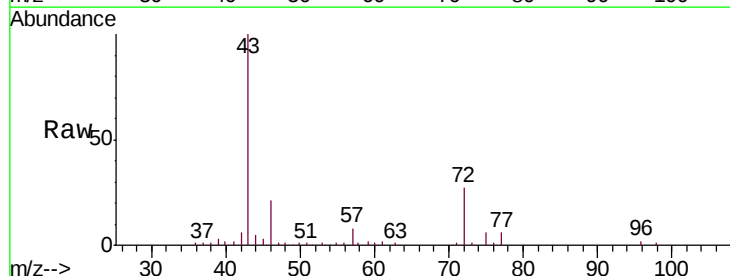


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

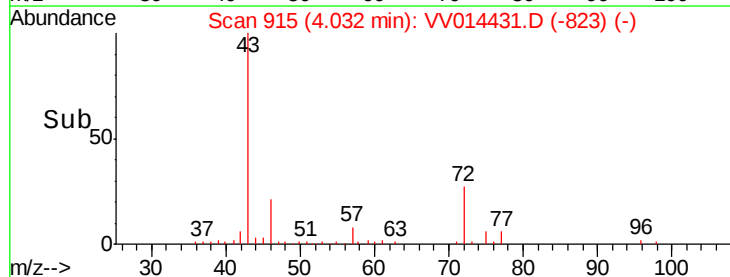
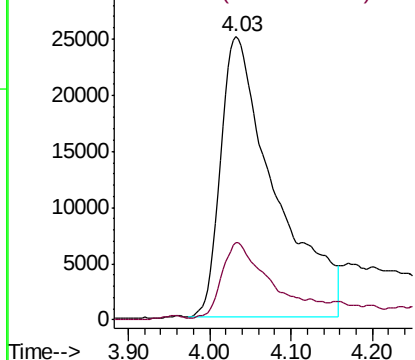


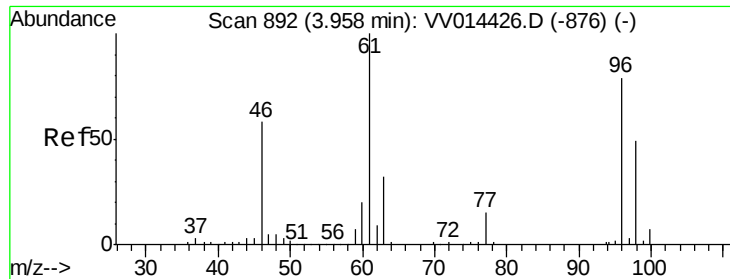
#21
 2-Butanone
 Concen: 36.168 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

Tgt Ion: 43 Resp: 116313
 Ion Ratio Lower Upper
 43 100
 72 23.1 9.2 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



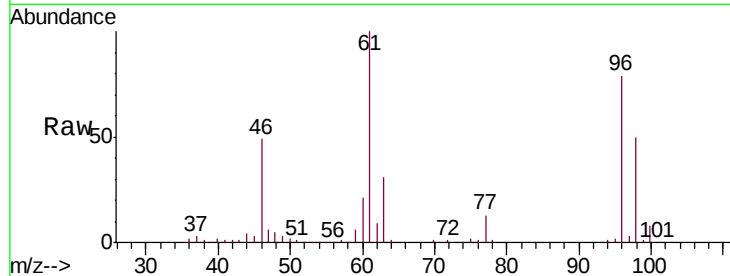


#22

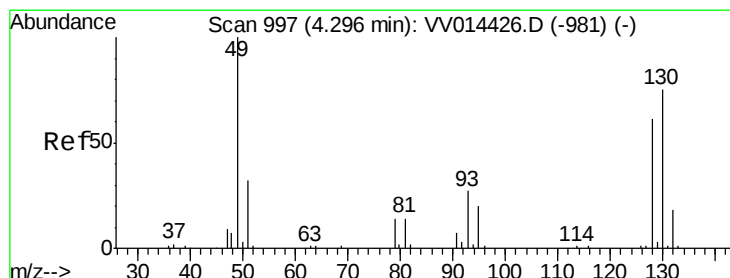
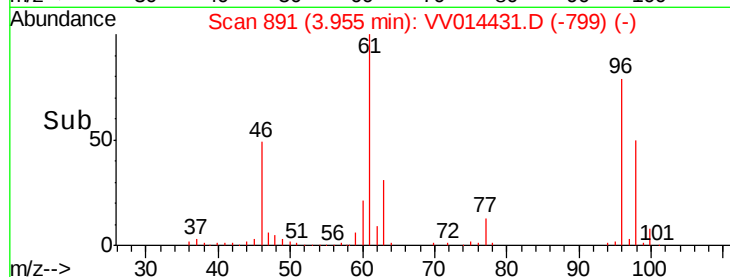
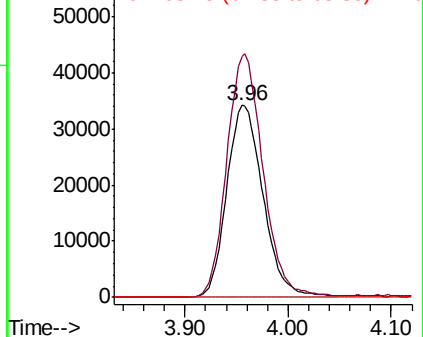
cis-1,2-Dichloroethene
Concen: 4.501 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Instrument :
MSVOA_V
ClientSampleId :
BFB36

Tgt Ion: 96 Resp: 83920
Ion Ratio Lower Upper
96 100
61 125.8 88.5 164.4
68 0.0 0.0 0.0



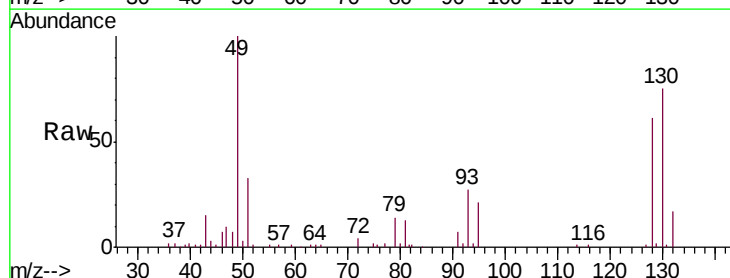
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



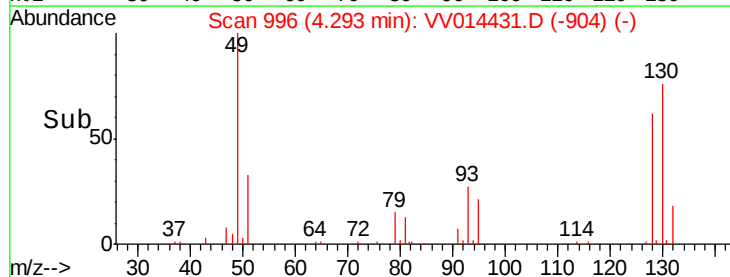
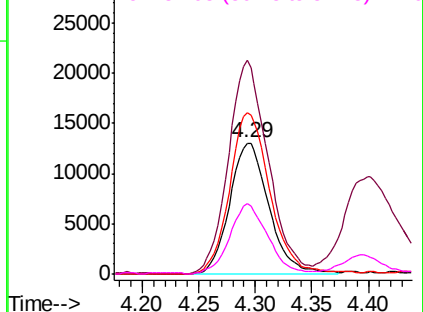
#23

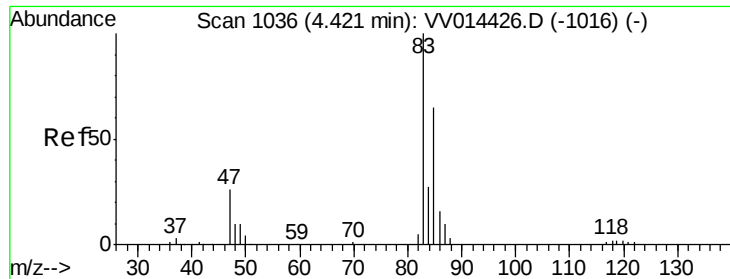
Bromochloromethane
Concen: 4.539 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion: 128 Resp: 31486
Ion Ratio Lower Upper
128 100
49 163.4 114.9 213.5
130 123.0 85.7 159.1
51 53.9 42.6 64.0



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

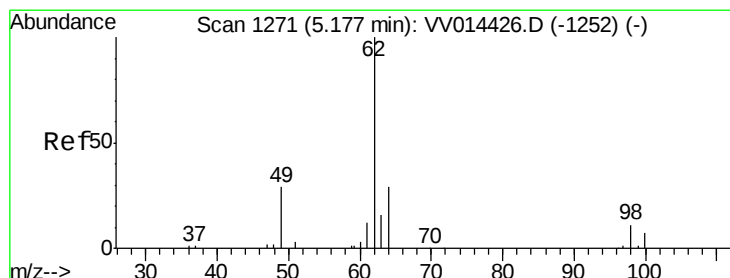
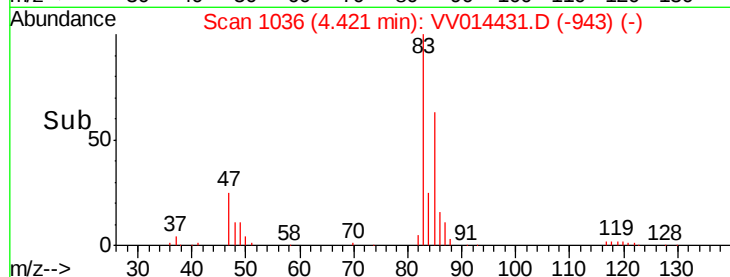
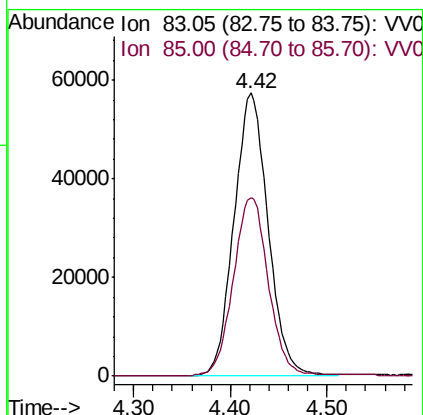
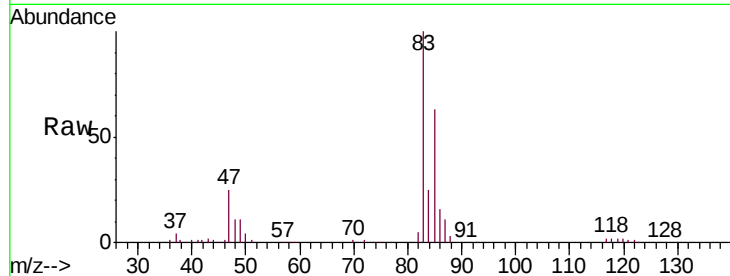




#25
Chloroform
Concen: 4.463 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

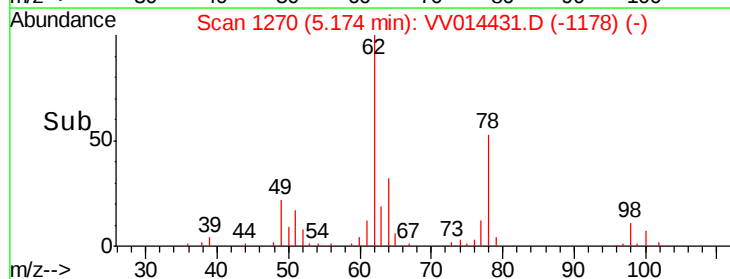
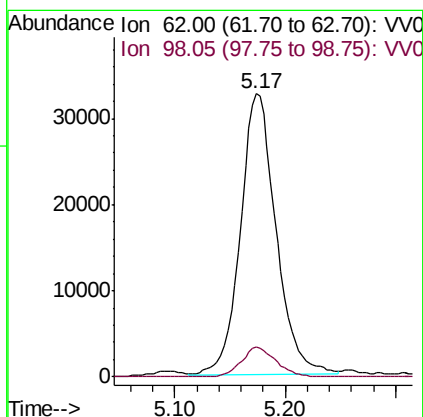
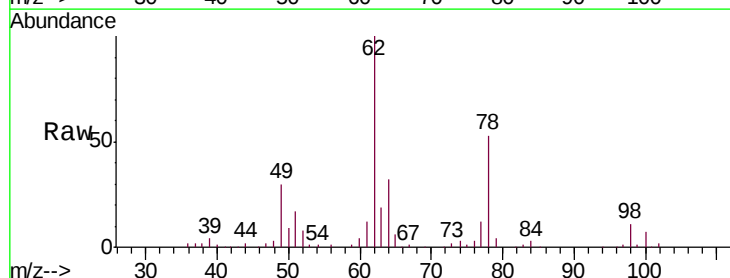
Instrument :
MSVOA_V
ClientSampleId :
BFB36

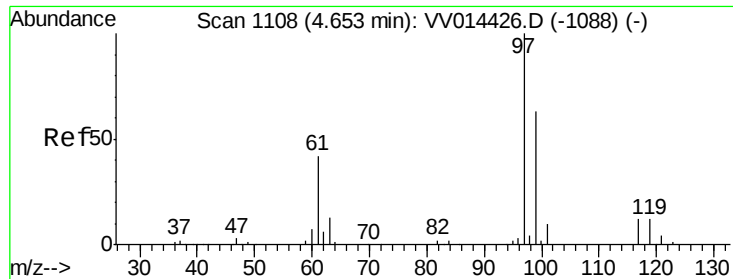
Tgt Ion: 83 Resp: 140627
Ion Ratio Lower Upper
83 100
85 63.1 45.9 85.3



#27
1,2-Dichloroethane
Concen: 4.324 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion: 62 Resp: 73254
Ion Ratio Lower Upper
62 100
98 10.8 8.5 12.7

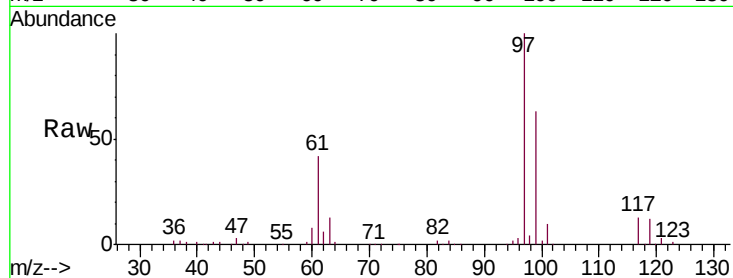




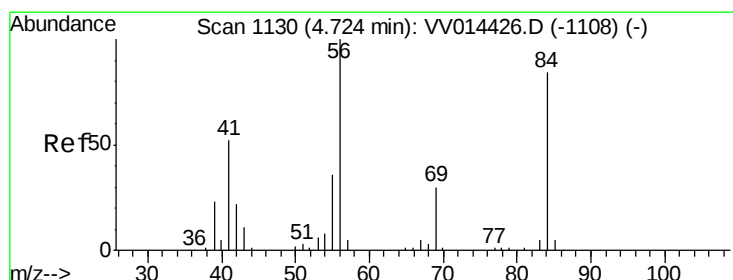
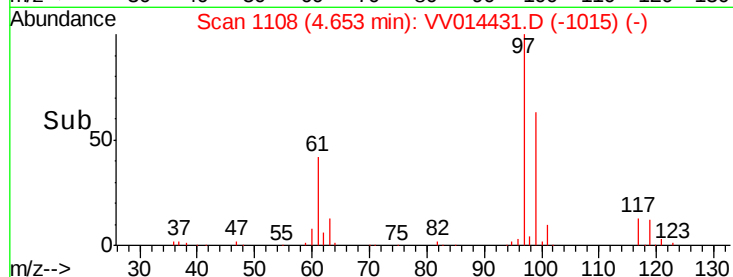
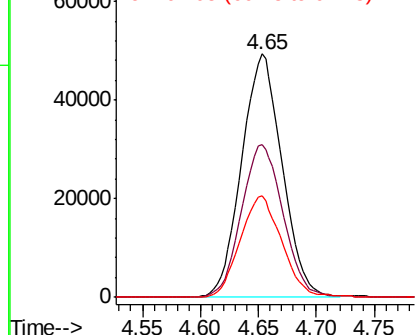
#29
1,1,1-Trichloroethane
Concen: 4.556 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Instrument :
MSVOA_V
ClientSampleId :
BFB36

Tgt Ion: 97 Resp: 120128
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 42.9 34.2 51.2

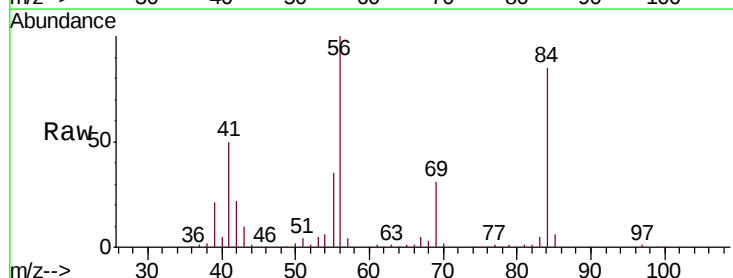


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

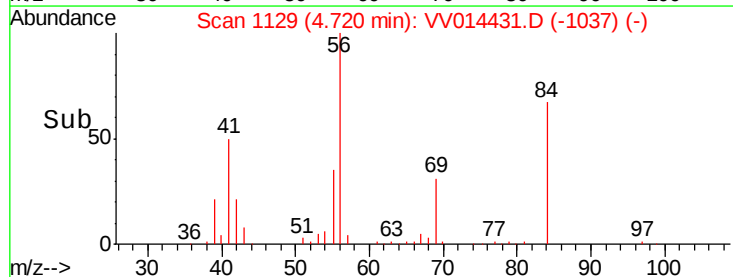
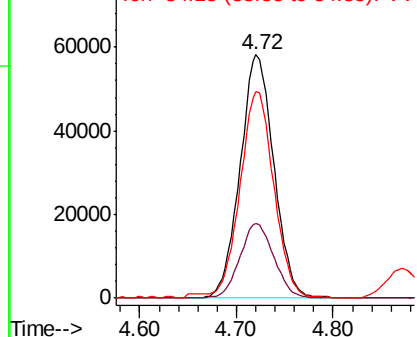


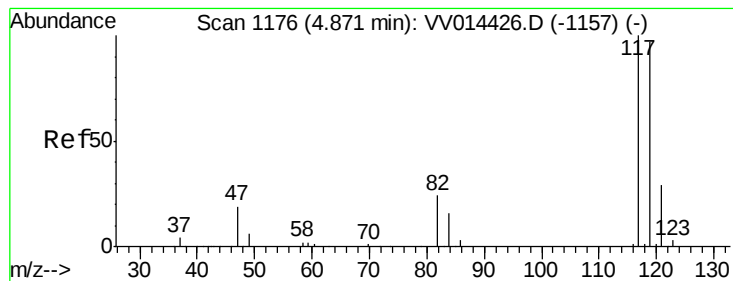
#30
Cyclohexane
Concen: 4.639 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion: 56 Resp: 141109
Ion Ratio Lower Upper
56 100
69 30.8 24.1 36.1
84 85.0 68.8 103.2



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: 4.641 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

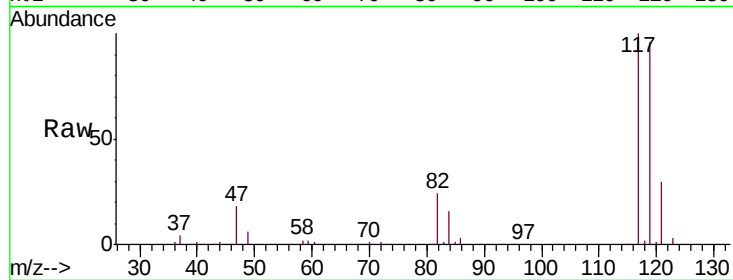
BFB36

Tgt Ion:117 Resp: 104059

Ion Ratio Lower Upper

117 100

119 95.3 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

50000

40000

30000

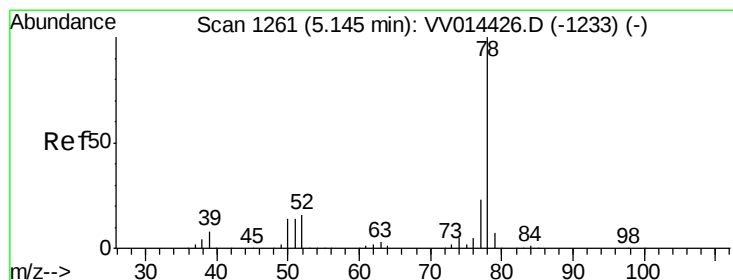
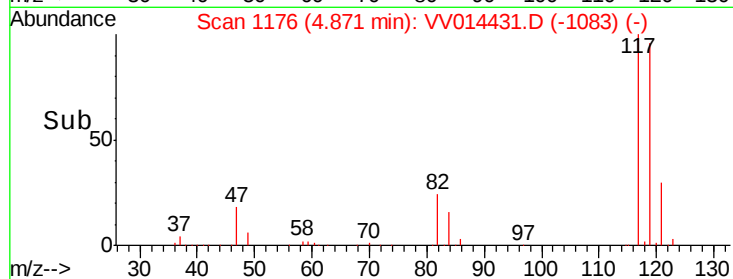
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 4.558 ug/L

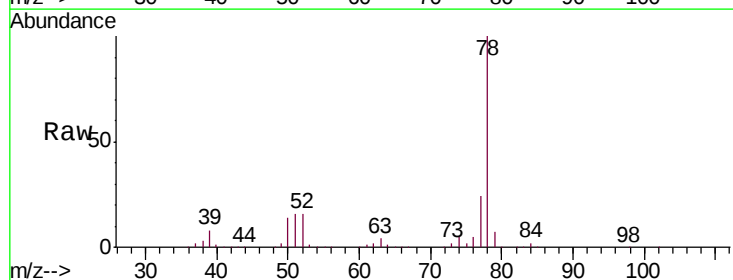
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Tgt Ion: 78 Resp: 317389



Abundance Ion 78.10 (77.80 to 78.80): VV0

150000

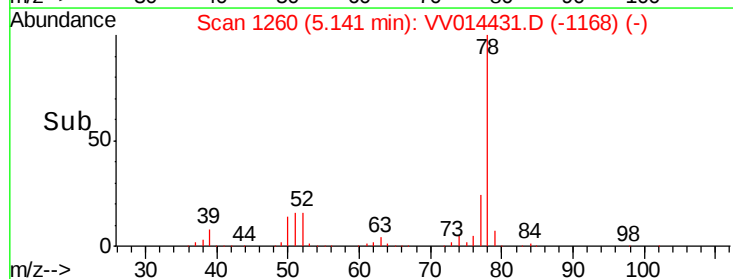
100000

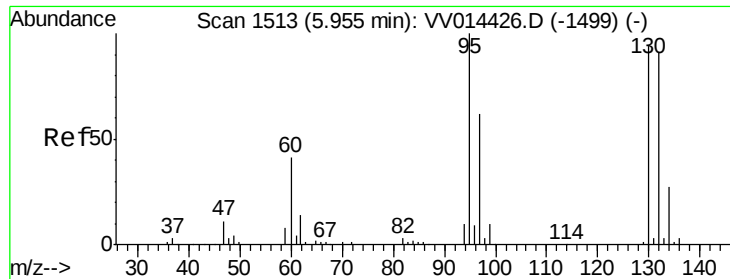
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 4.591 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB36

Tgt Ion: 95 Resp: 83960

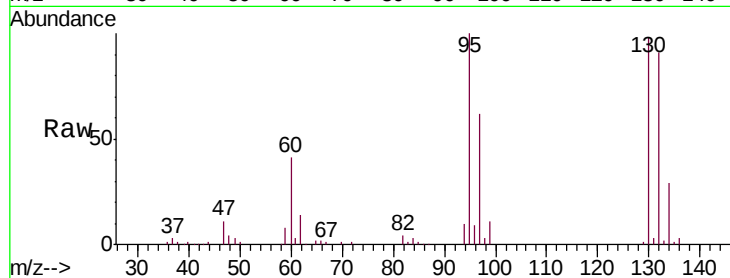
Ion Ratio Lower Upper

95 100

97 62.4 43.6 81.0

132 91.3 63.3 117.7

130 97.7 66.0 122.6

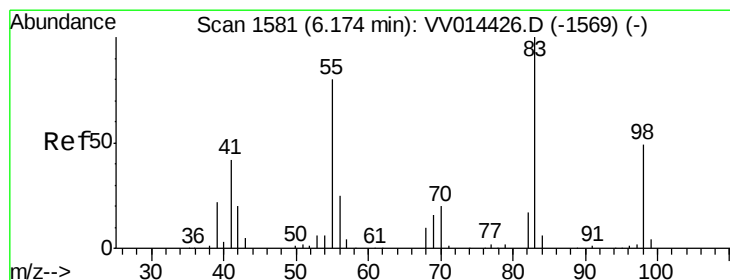
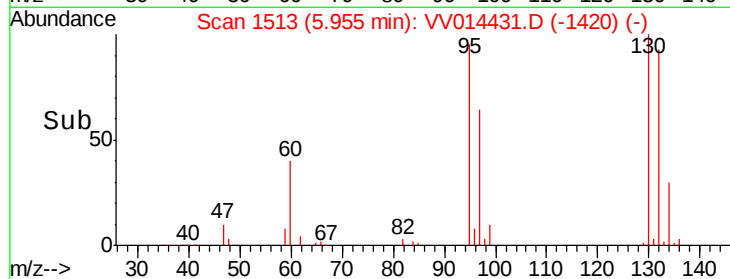
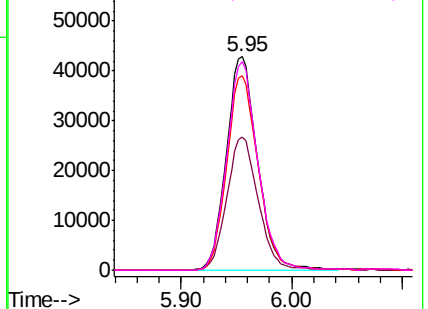


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.568 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

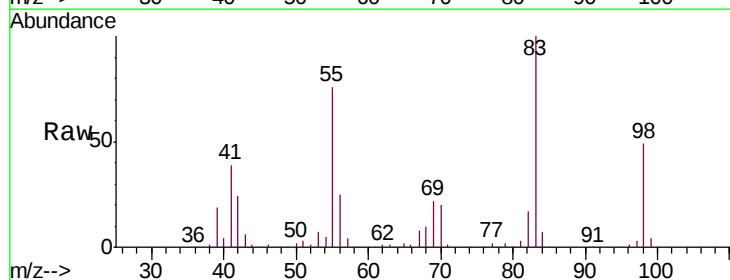
Tgt Ion: 83 Resp: 143701

Ion Ratio Lower Upper

83 100

55 76.7 61.3 91.9

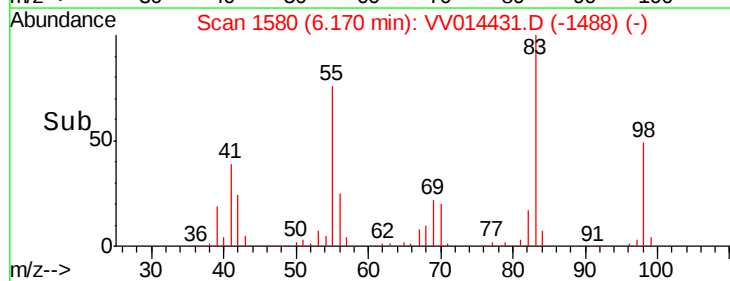
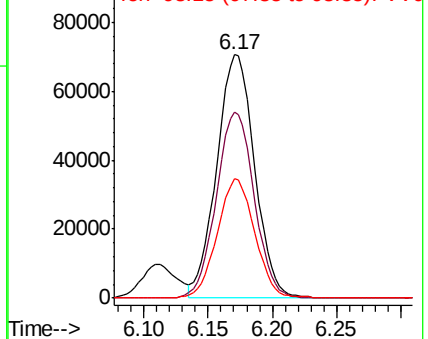
98 48.8 37.5 56.3

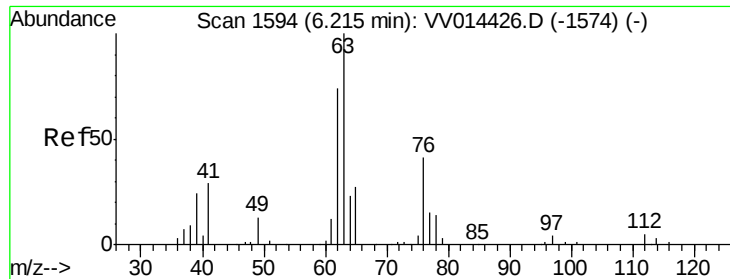


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

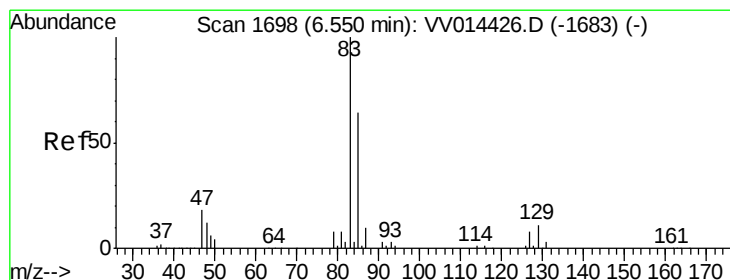
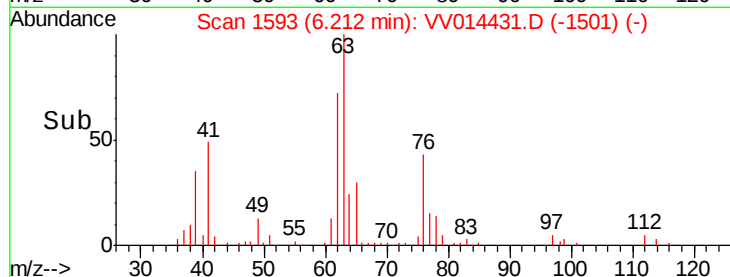
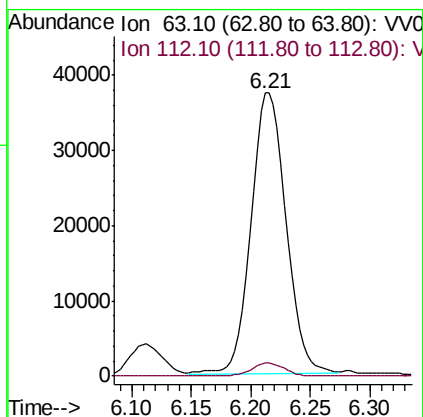
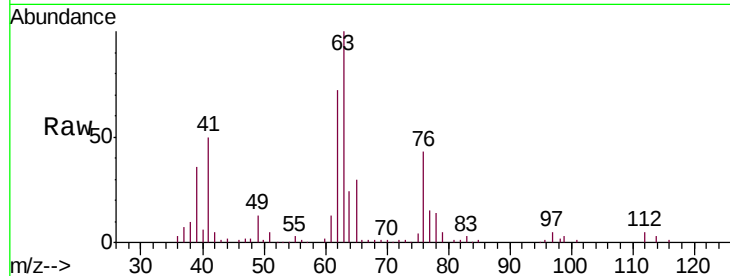




#37
 1,2-Dichloropropane
 Concen: 4.426 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

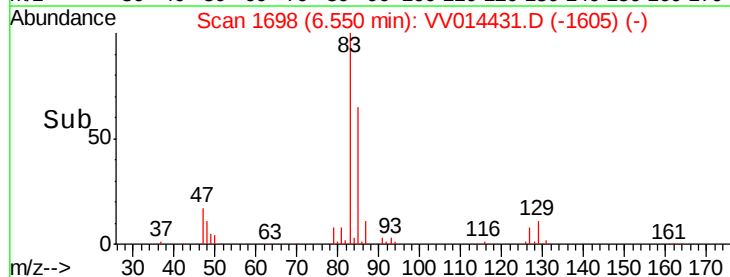
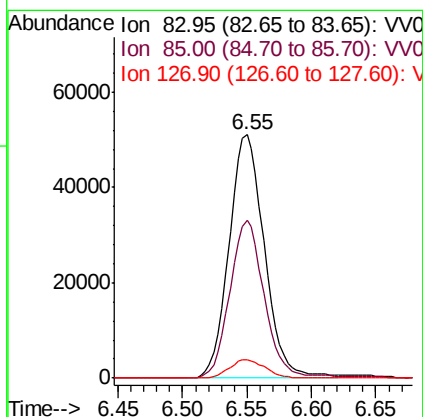
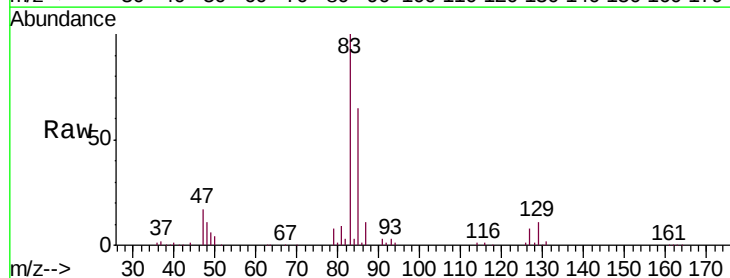
Instrument :
 MSVOA_V
 ClientSampleID :
 BFB36

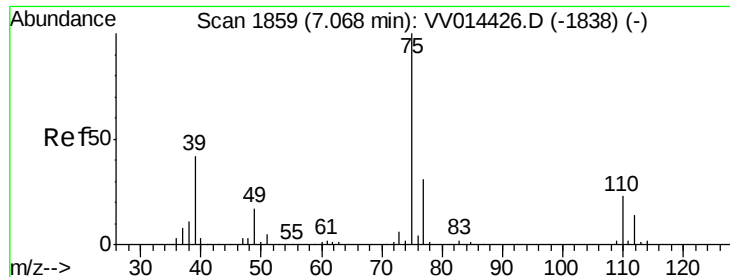
Tgt Ion: 63 Resp: 75983
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.641 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

Tgt Ion: 83 Resp: 97586
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.5 82.7
 127 7.8 6.6 10.0

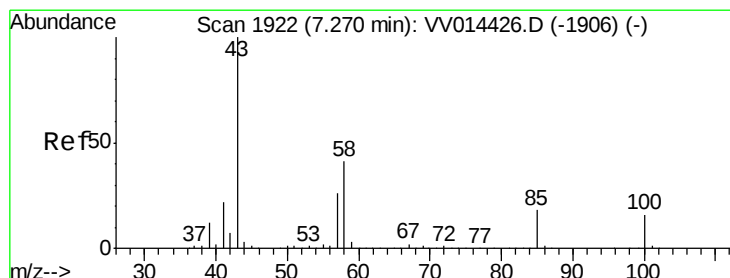
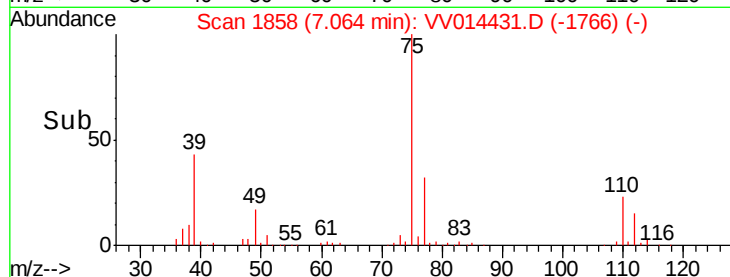
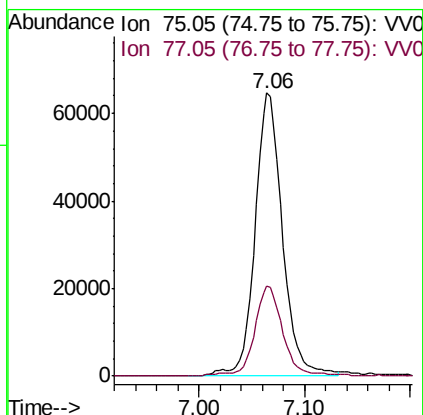
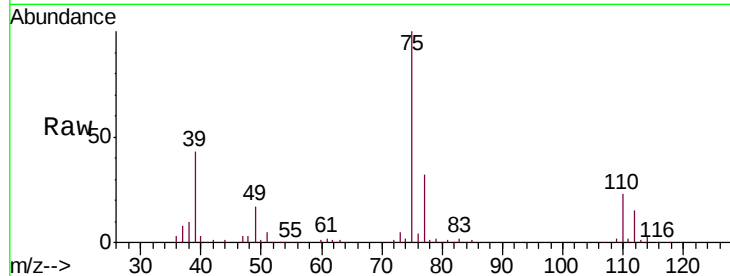




#39
 cis-1,3-Dichloropropene
 Concen: 4.526 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

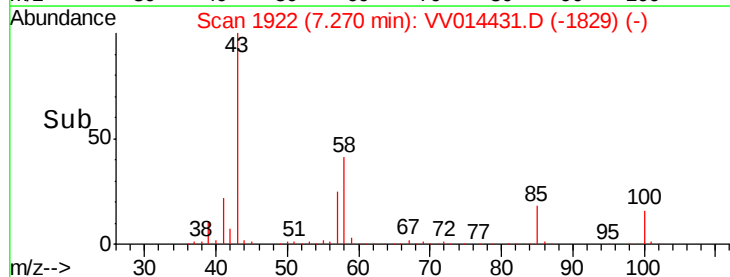
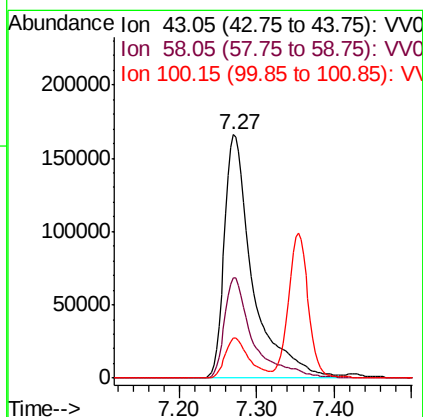
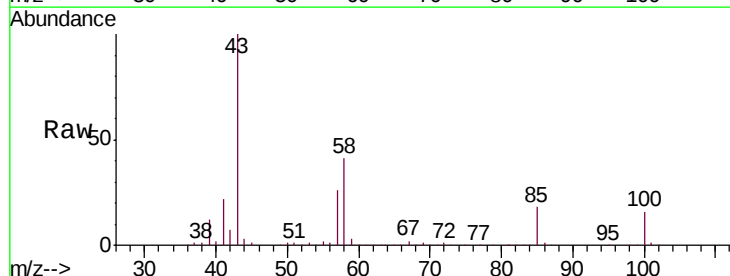
Instrument :
 MSVOA_V
 ClientSampled :
 BFB36

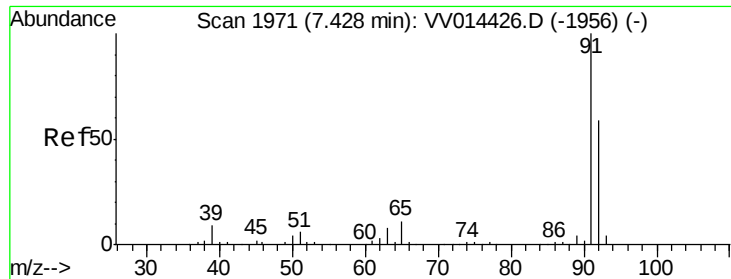
Tgt Ion: 75 Resp: 117698
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 44.834 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

Tgt Ion: 43 Resp: 422076
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.1 49.7
 100 14.1 12.1 18.1





#42

Toluene

Concen: 4.590 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

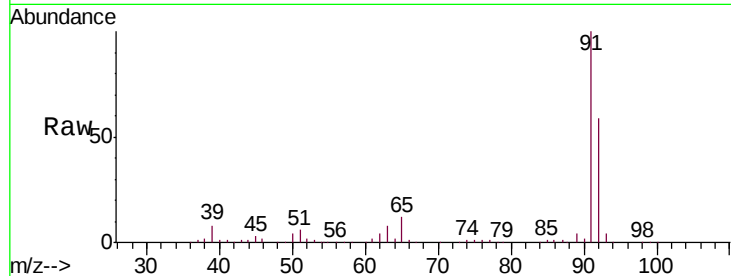
BFB36

Tgt Ion: 91 Resp: 339833

Ion Ratio Lower Upper

91 100

92 59.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

200000

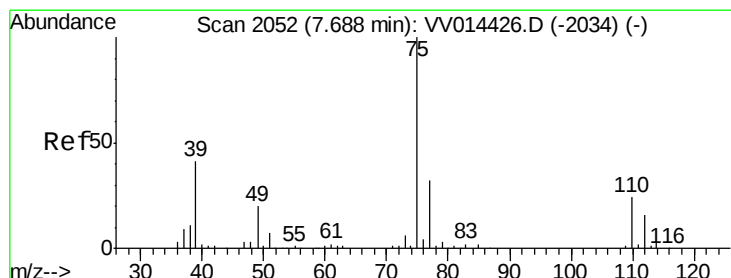
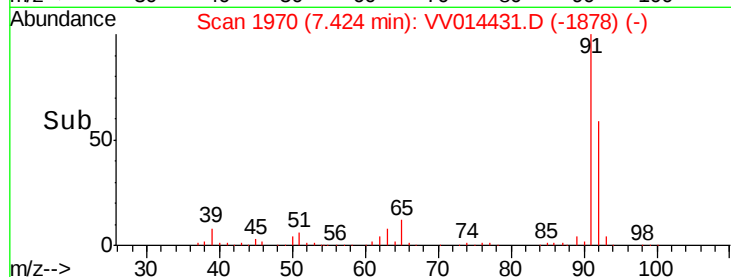
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.532 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014431.D

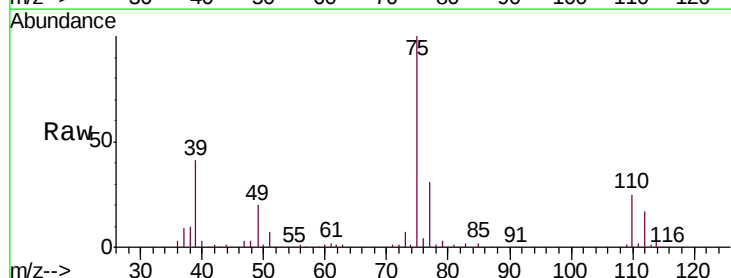
Acq: 30 Jan 2020 09:40

Tgt Ion: 75 Resp: 88809

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

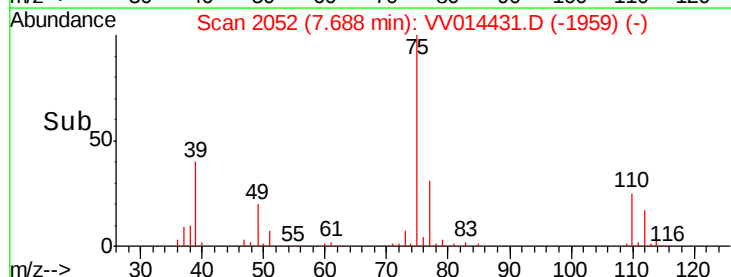
30000

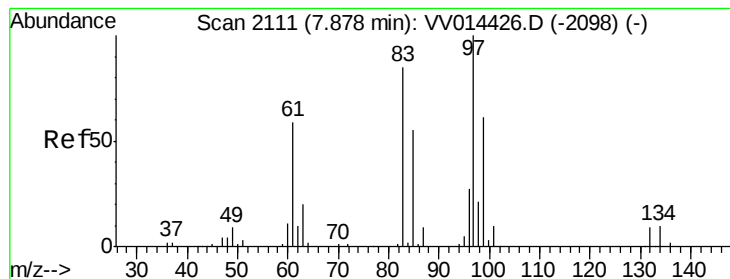
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.498 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB36

Tgt Ion: 97 Resp: 50338

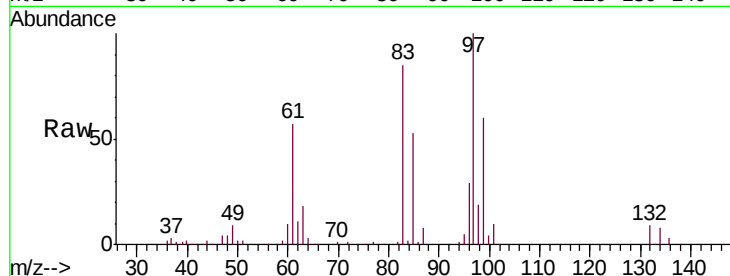
Ion Ratio Lower Upper

97 100

99 60.0 42.5 78.9

83 84.6 59.8 111.0

85 53.0 38.4 71.4

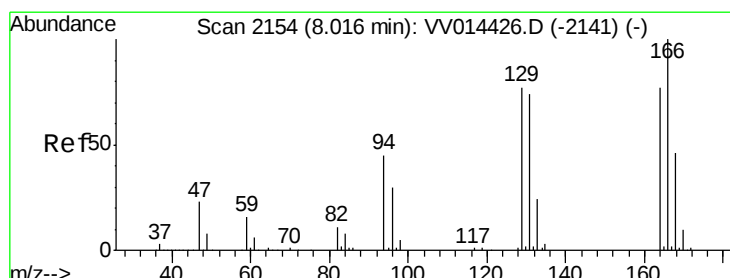
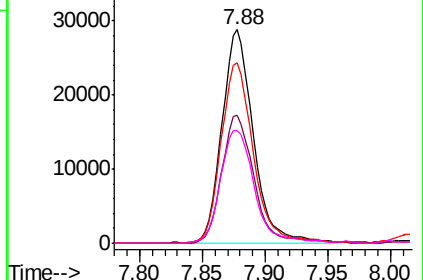
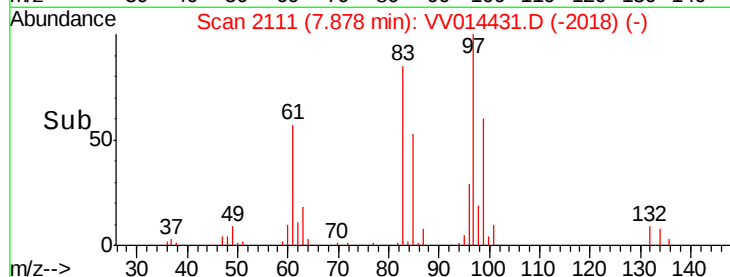


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.502 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Tgt Ion: 164 Resp: 59163

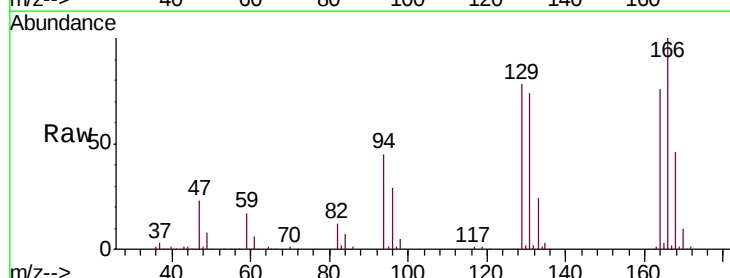
Ion Ratio Lower Upper

164 100

129 102.6 69.9 129.7

131 97.3 67.5 125.3

166 131.9 90.6 168.3

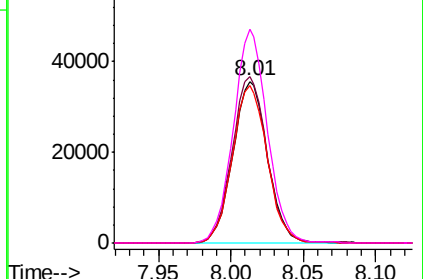
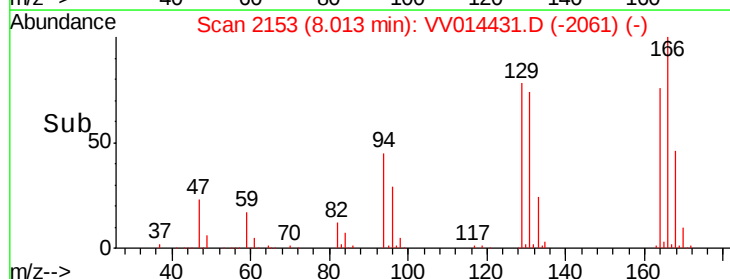


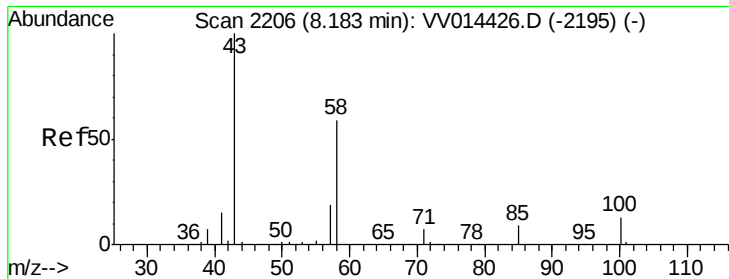
Abundance Ion 163.90 (163.60 to 164.60): V

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: 45.122 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB36

Tgt Ion: 43 Resp: 295933

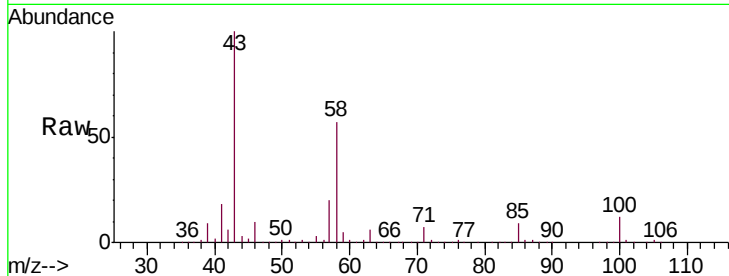
Ion Ratio Lower Upper

43 100

58 58.9 45.8 68.6

57 19.3 15.4 23.0

100 12.8 9.8 14.8

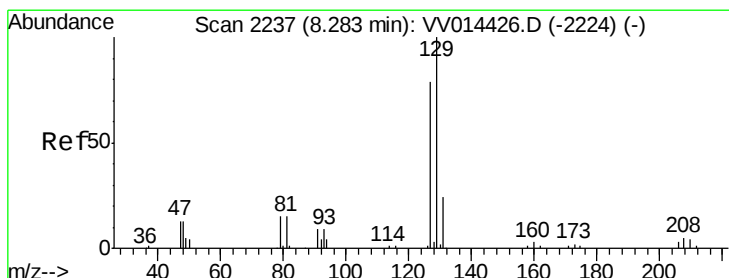
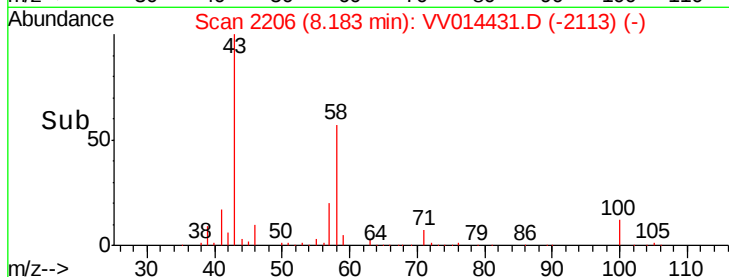
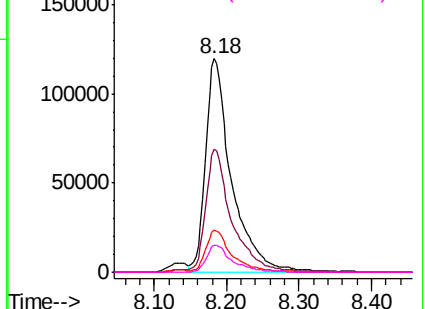


Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 4.596 ug/L

RT: 8.28 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VV014431.D

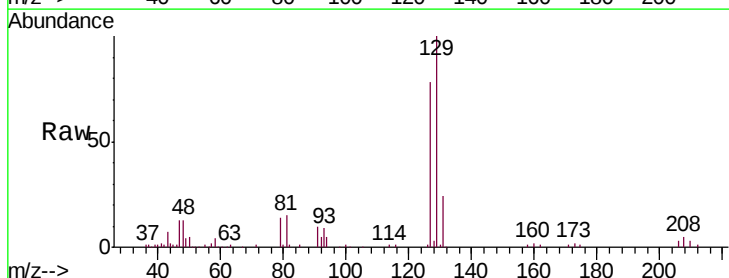
Acq: 30 Jan 2020 09:40

Tgt Ion: 129 Resp: 61177

Ion Ratio Lower Upper

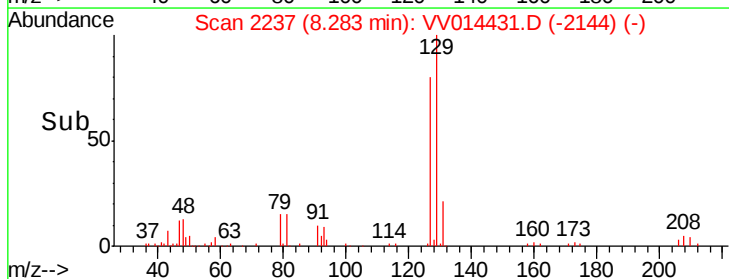
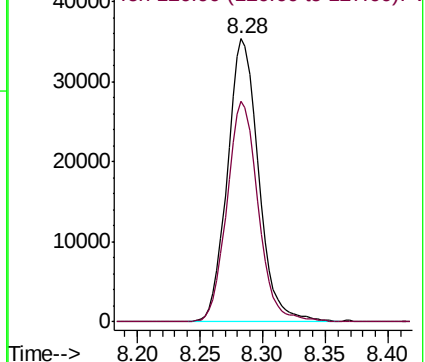
129 100

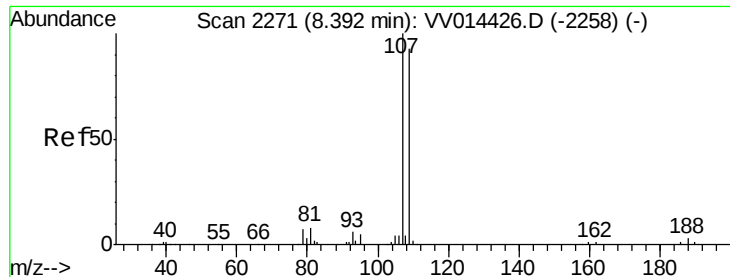
127 77.8 54.9 102.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

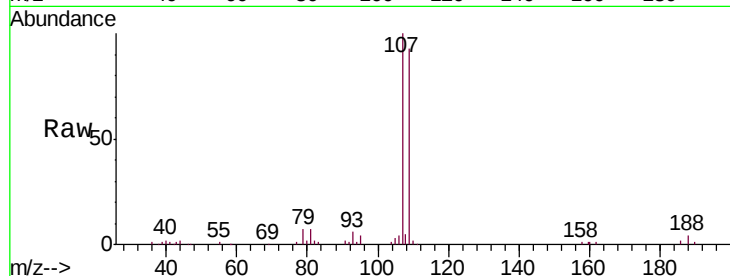




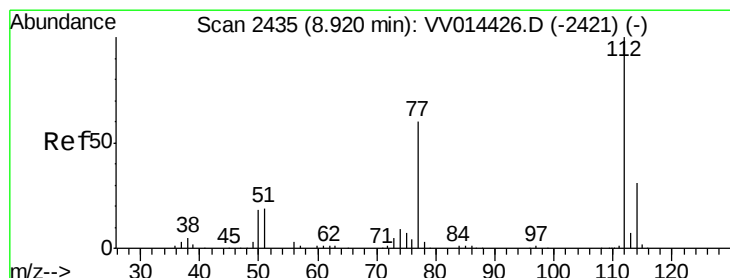
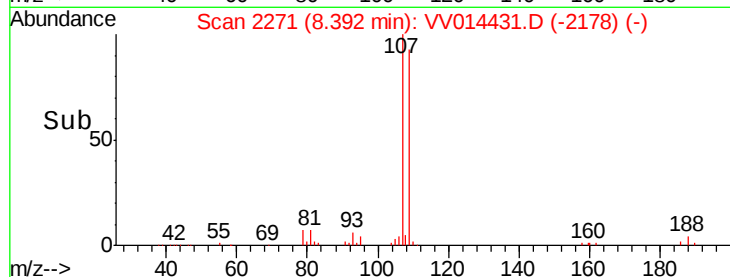
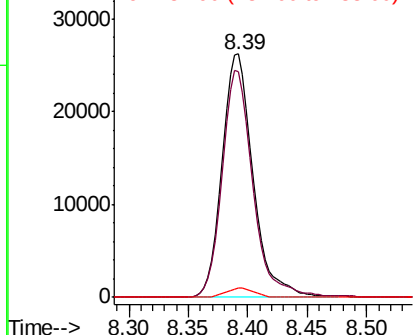
#50
1,2-Dibromoethane
Concen: 4.593 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Instrument :
MSVOA_V
ClientSampleId :
BFB36

Tgt Ion:107 Resp: 47486
Ion Ratio Lower Upper
107 100
109 92.5 65.0 120.6
188 3.7 2.7 4.1

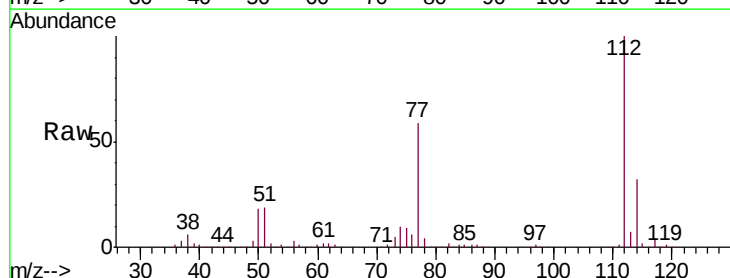


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

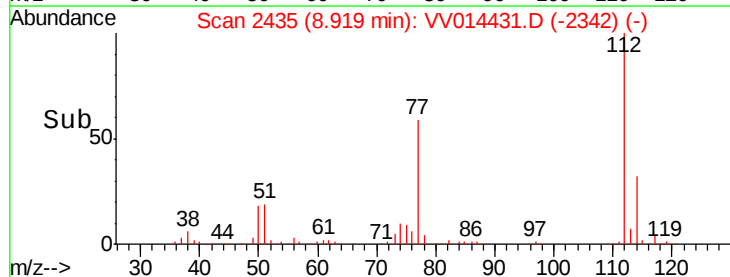
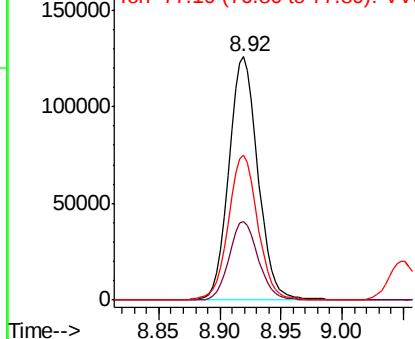


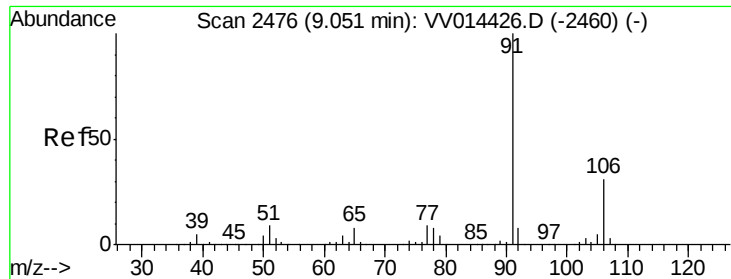
#51
Chlorobenzene
Concen: 4.552 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion:112 Resp: 209145
Ion Ratio Lower Upper
112 100
114 32.5 21.8 40.6
77 59.4 48.5 72.7



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

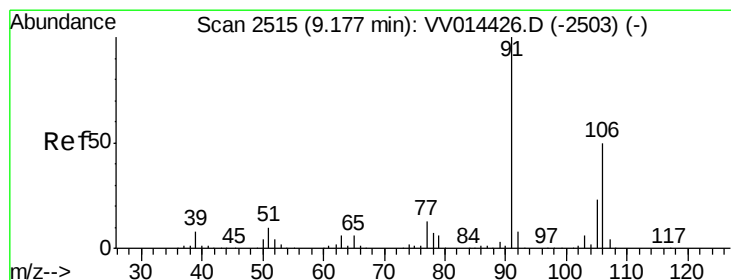
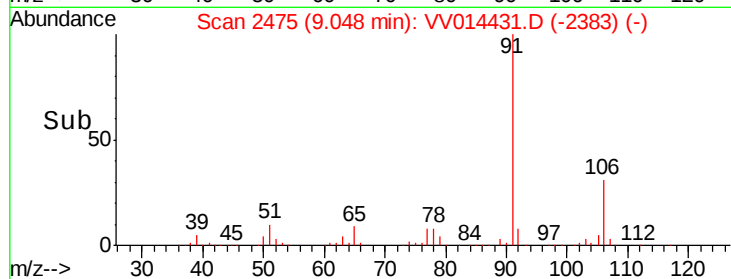
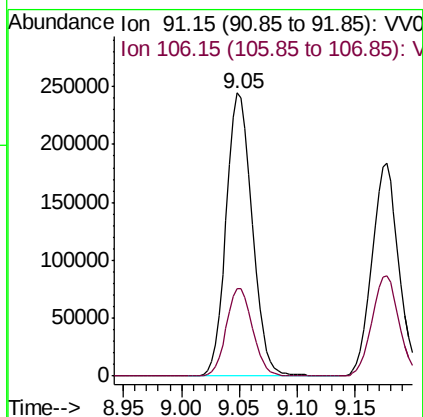
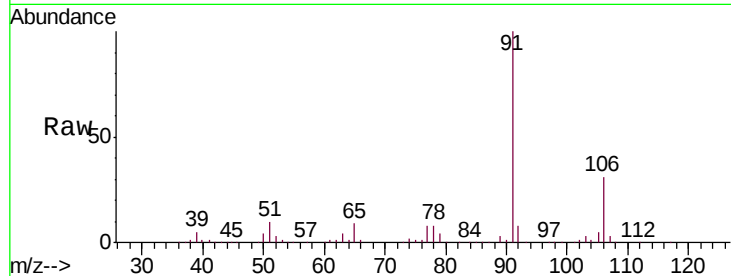




#52
Ethylbenzene
Concen: 4.590 ug/L
RT: 9.05 min Scan# 2475
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

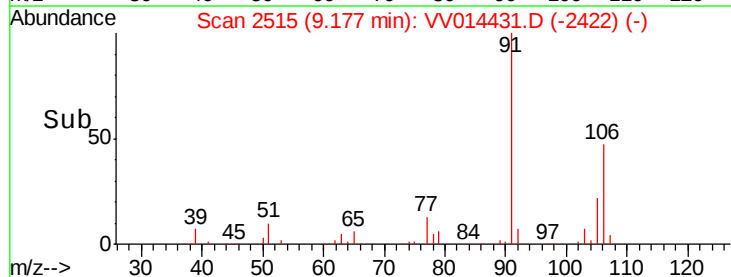
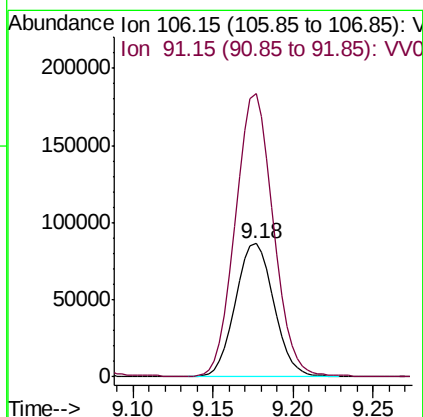
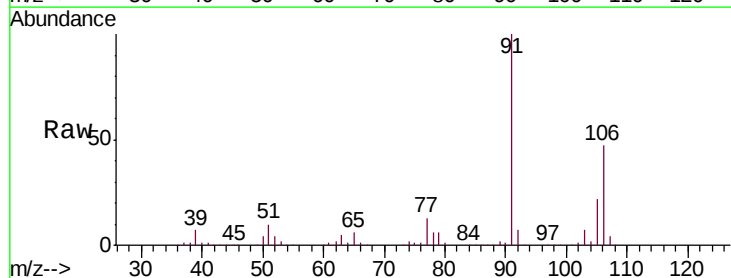
Instrument :
MSVOA_V
ClientSampled :
BFB36

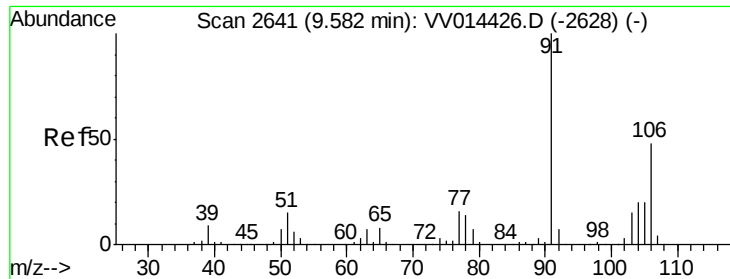
Tgt Ion: 91 Resp: 381656
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6



#53
m,p-xylene
Concen: 4.594 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion: 106 Resp: 142308
Ion Ratio Lower Upper
106 100
91 211.9 139.9 259.9

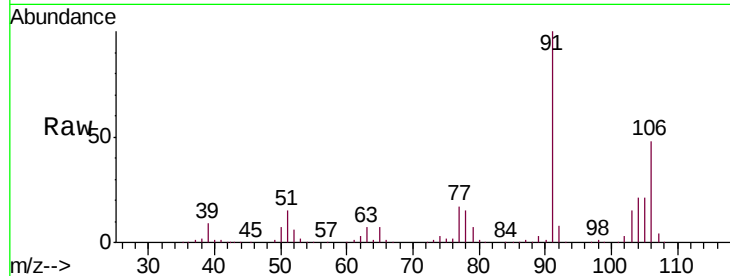




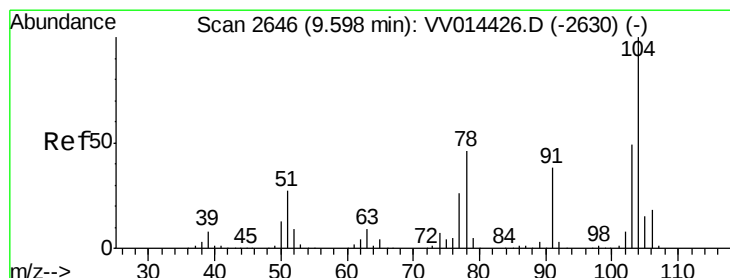
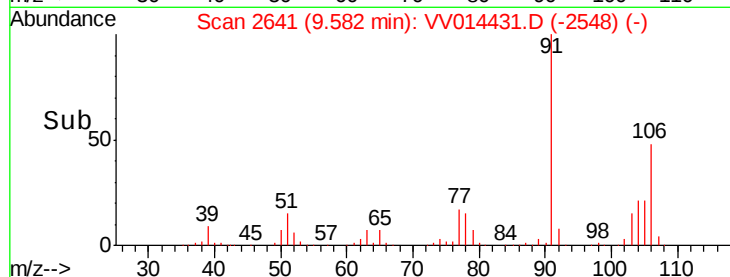
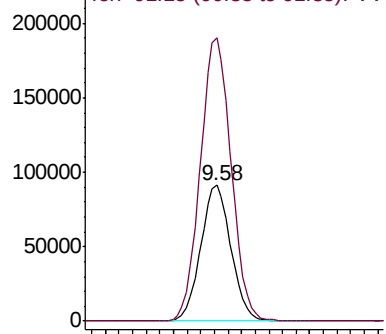
#54
o-xylene
Concen: 4.633 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Instrument :
MSVOA_V
ClientSampleId :
BFB36

Tgt Ion:106 Resp: 140116
Ion Ratio Lower Upper
106 100
91 208.8 145.9 271.1

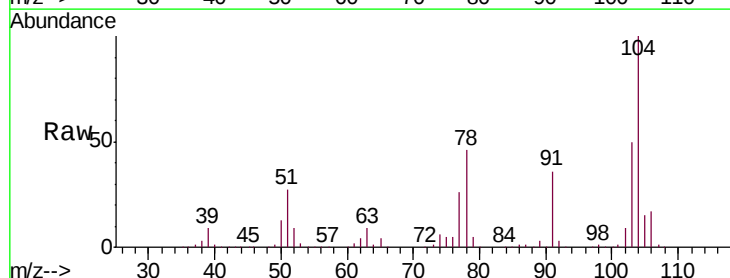


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

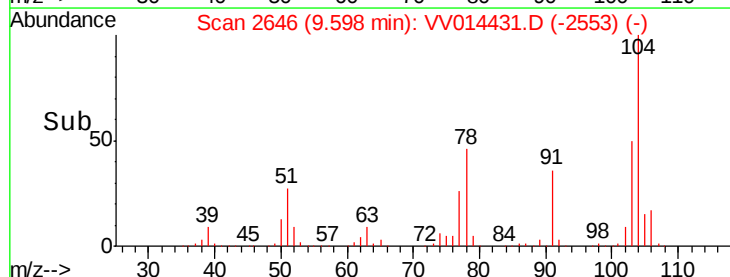
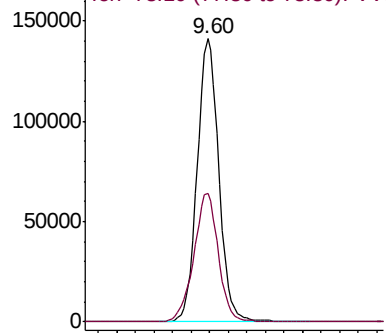


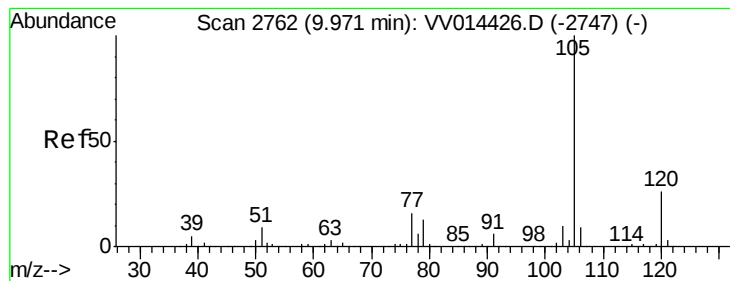
#55
Styrene
Concen: 4.605 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014431.D
Acq: 30 Jan 2020 09:40

Tgt Ion:104 Resp: 228702
Ion Ratio Lower Upper
104 100
78 45.6 32.3 60.1



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





#56

Isopropylbenzene

Concen: 4.664 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB36

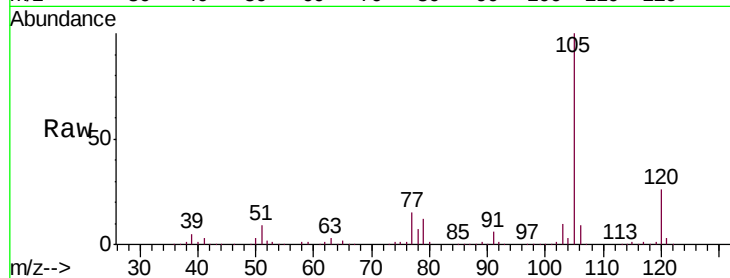
Tgt Ion: 105 Resp: 369834

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

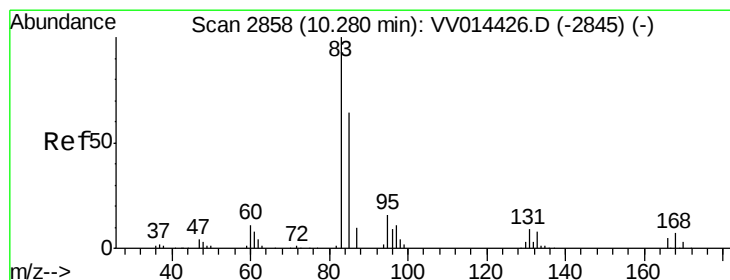
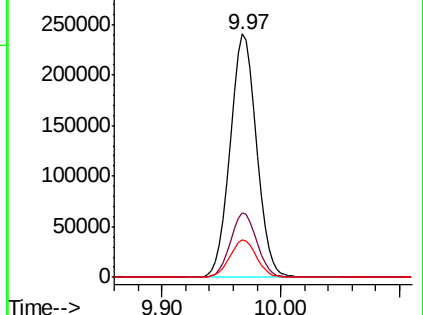
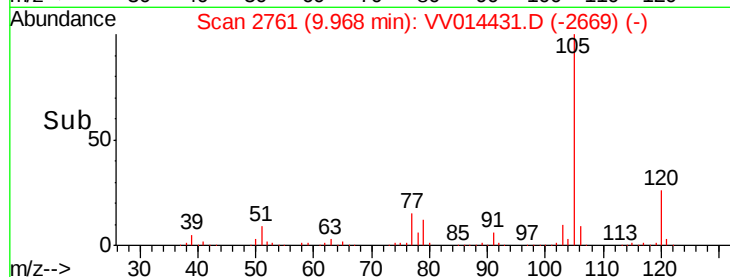
77 15.6 12.8 19.2



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: 4.626 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

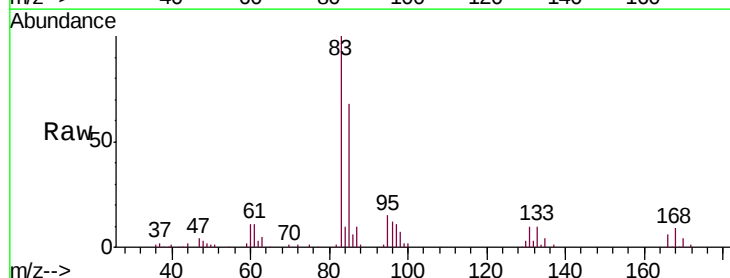
Tgt Ion: 83 Resp: 60163

Ion Ratio Lower Upper

83 100

85 68.0 45.3 84.1

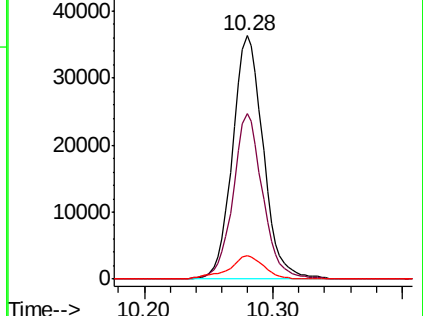
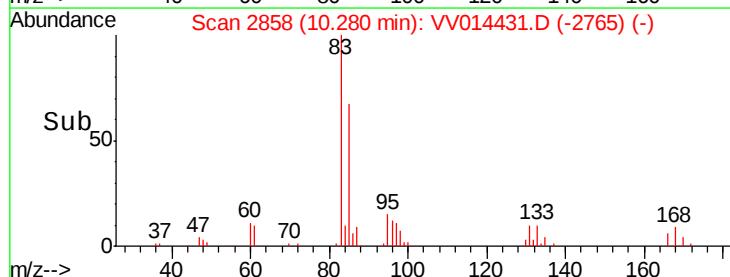
131 9.7 7.9 11.9

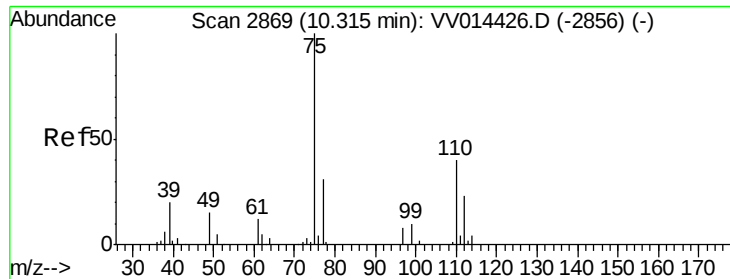


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.553 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

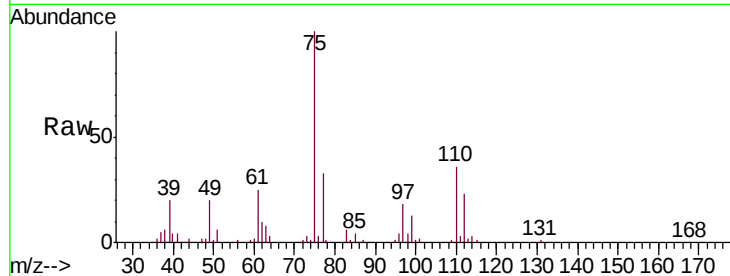
BFB36

Tgt Ion: 75 Resp: 43468

Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0

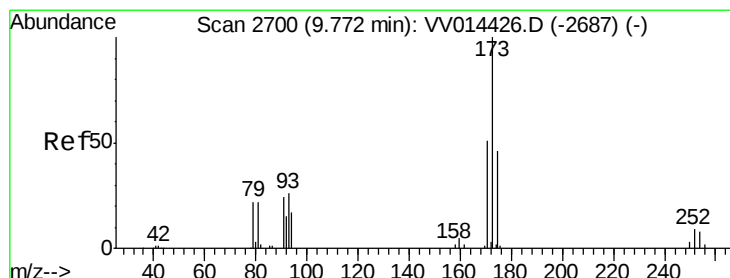
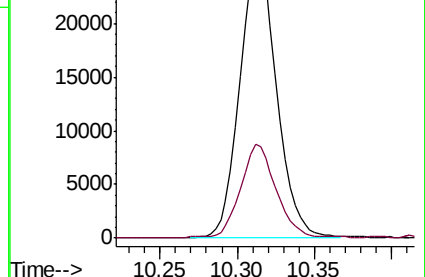
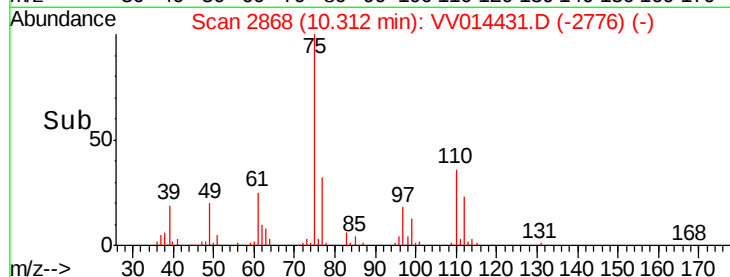


Abundance Ion 75.00 (74.70 to 75.70): VV014426.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014426.D (-2856) (-)

10.31

Time-->



#61

Bromoform

Concen: 4.647 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

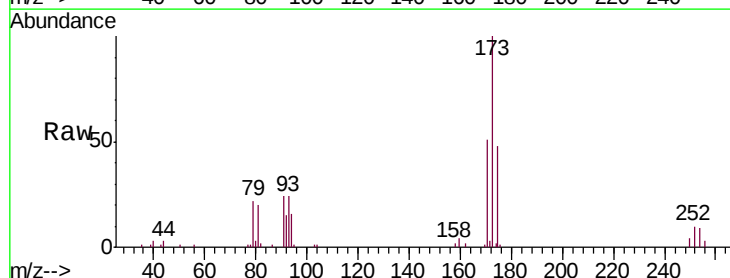
Tgt Ion: 173 Resp: 30131

Ion Ratio Lower Upper

173 100

175 49.7 38.9 58.3

254 9.1 7.0 10.4



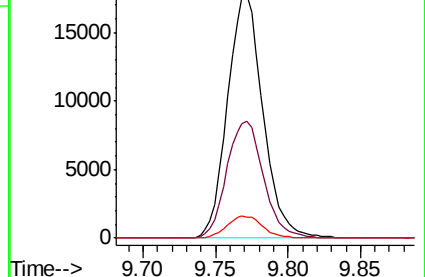
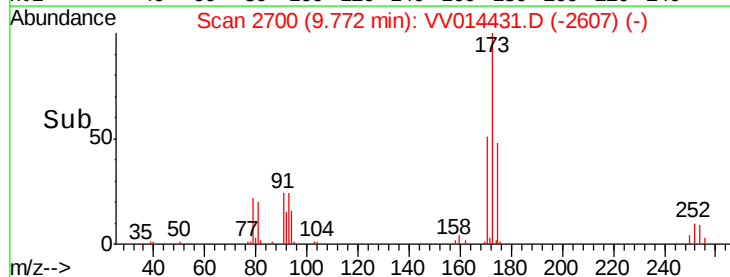
Abundance Ion 172.90 (172.60 to 173.60): VV014426.D (-2687) (-)

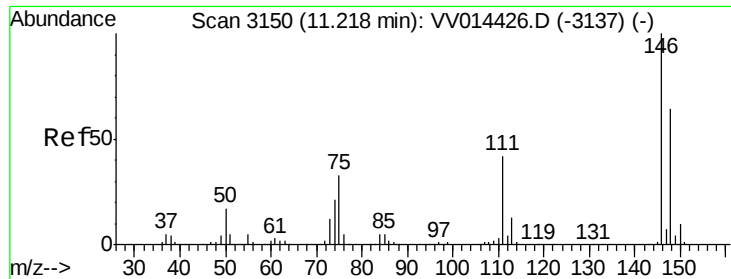
Ion 174.90 (174.60 to 175.60): VV014426.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014426.D (-2687) (-)

9.77

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.574 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB36

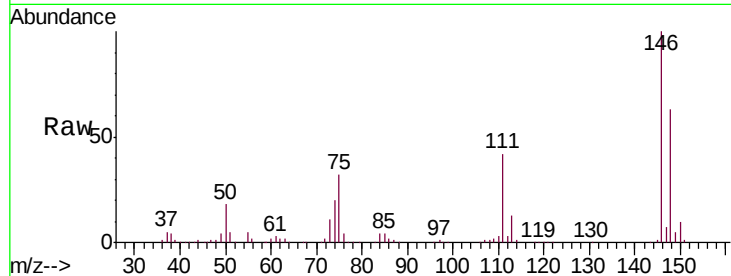
Tgt Ion:146 Resp: 158774

Ion Ratio Lower Upper

146 100

111 42.4 29.5 54.7

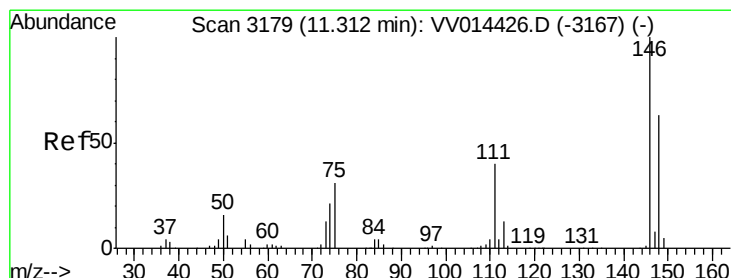
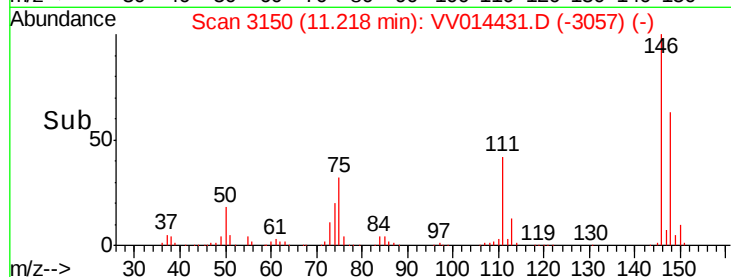
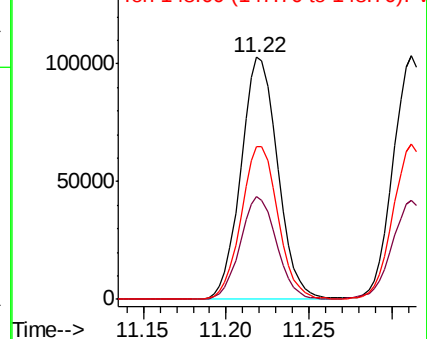
148 63.2 44.7 83.1



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: 4.643 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

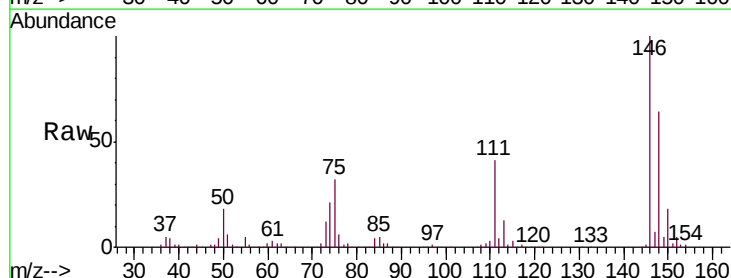
Tgt Ion:146 Resp: 160711

Ion Ratio Lower Upper

146 100

111 40.8 27.9 51.7

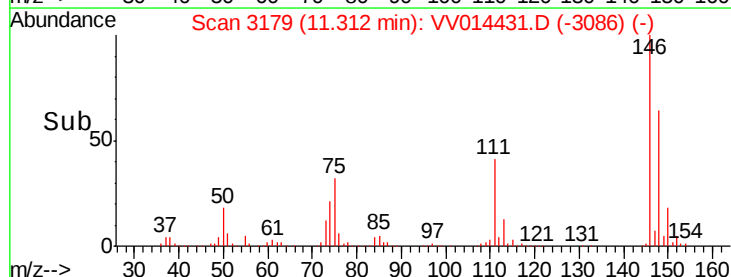
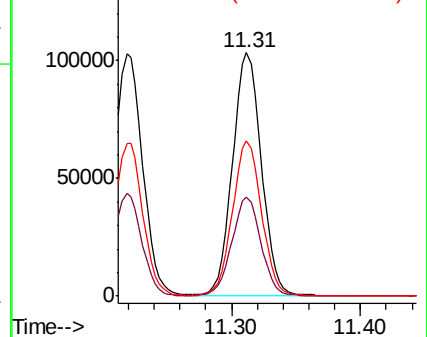
148 63.8 44.3 82.3

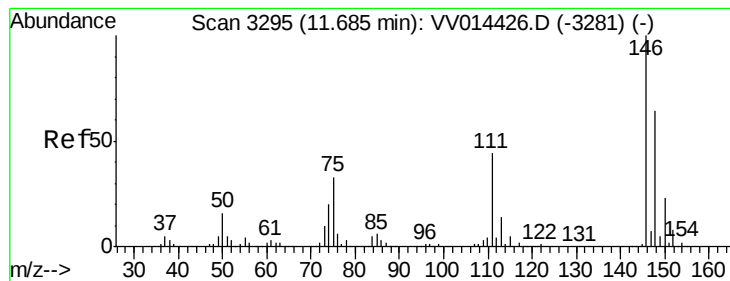


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.580 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB36

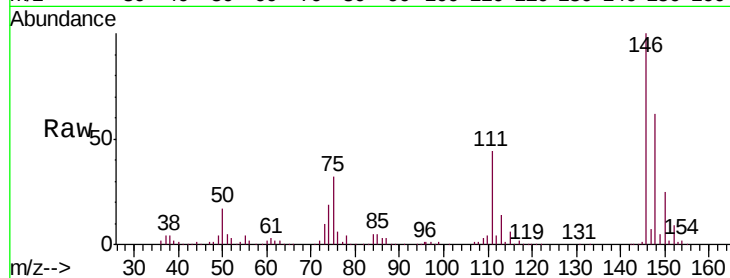
Tgt Ion:146 Resp: 143482

Ion Ratio Lower Upper

146 100

111 44.2 35.0 52.6

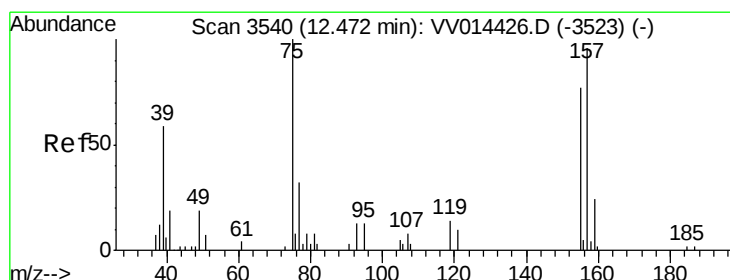
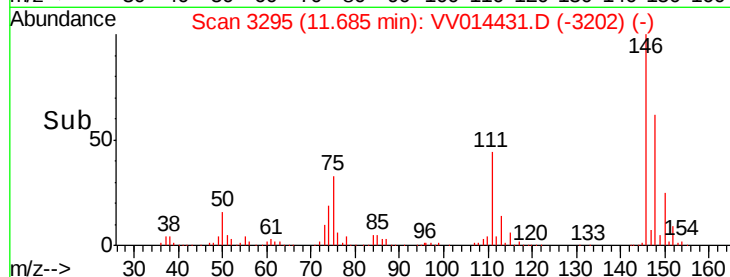
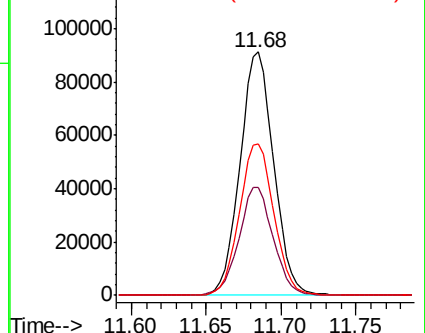
148 62.1 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.976 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

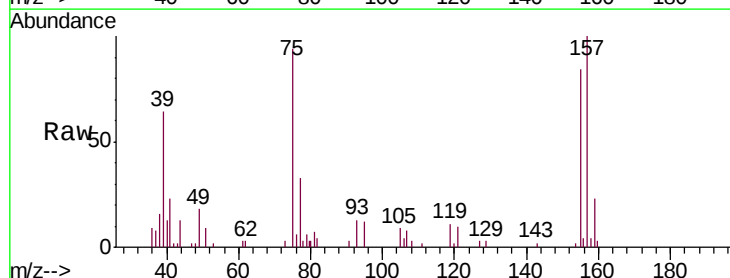
Tgt Ion: 75 Resp: 9834

Ion Ratio Lower Upper

75 100

155 89.7 61.8 92.8

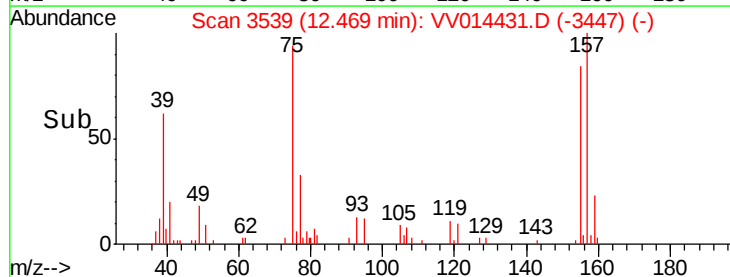
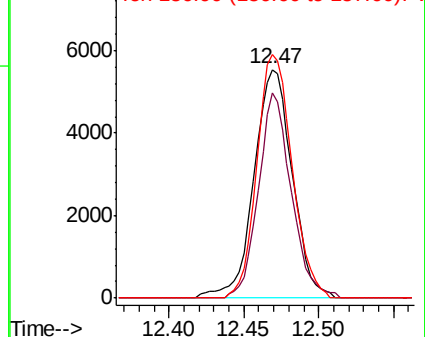
157 106.6 76.6 114.8

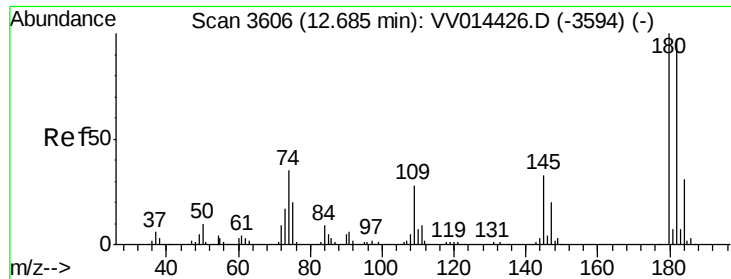


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

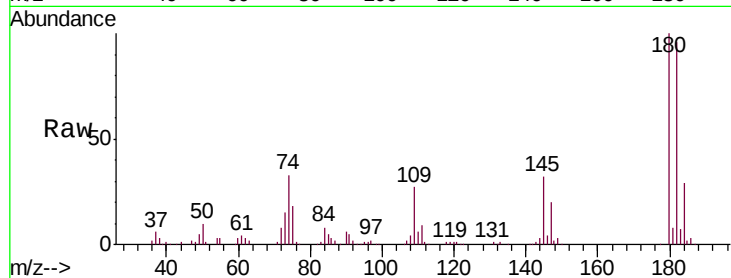




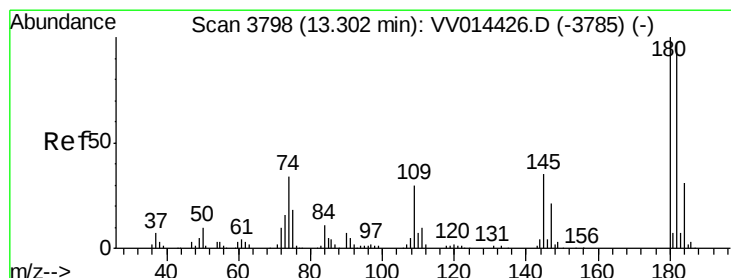
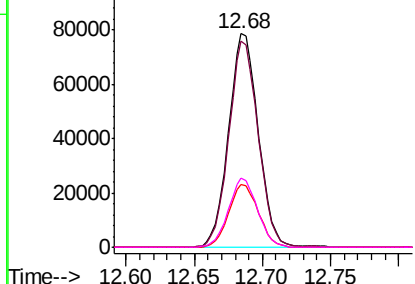
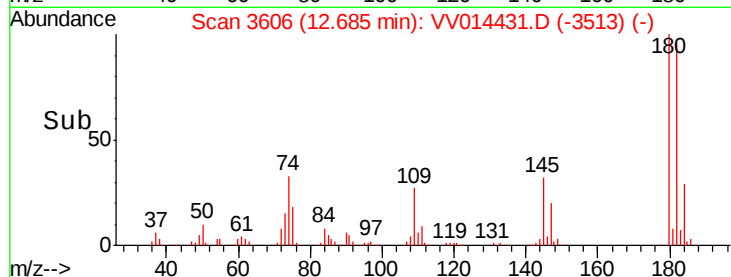
#67
 1,3,5-Trichlorobenzene
 Concen: 4.633 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB36

Tgt Ion:180 Resp: 118697
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 184 29.4 23.7 35.5
 145 31.8 25.8 38.6

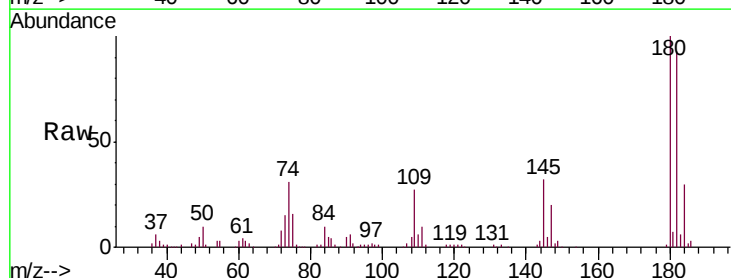


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

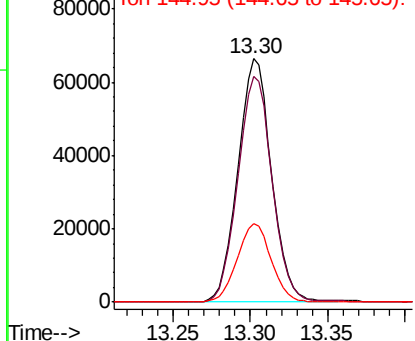
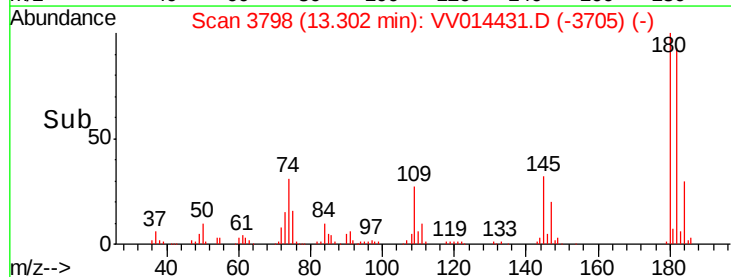


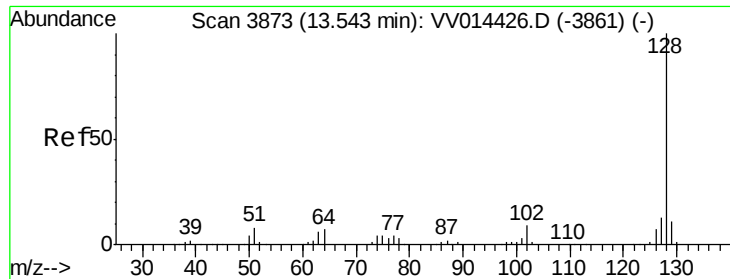
#68
 1,2,4-trichlorobenzene
 Concen: 4.662 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014431.D
 Acq: 30 Jan 2020 09:40

Tgt Ion:180 Resp: 100420
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.5 113.3
 145 32.7 26.8 40.2



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: 4.565 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

Instrument :

MSVOA_V

ClientSampled :

BFB36

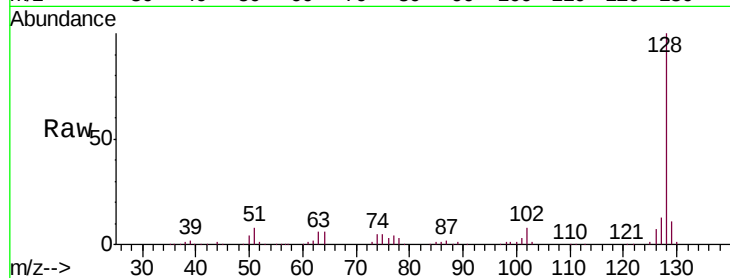
Tgt Ion:128 Resp: 173098

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

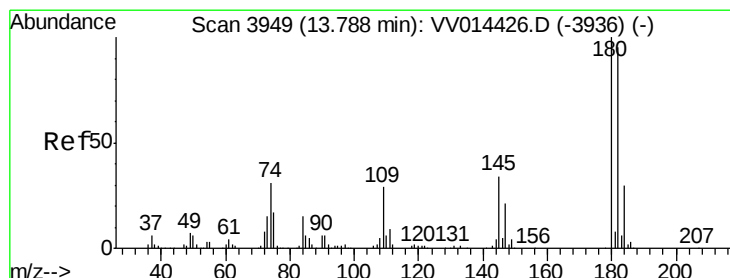
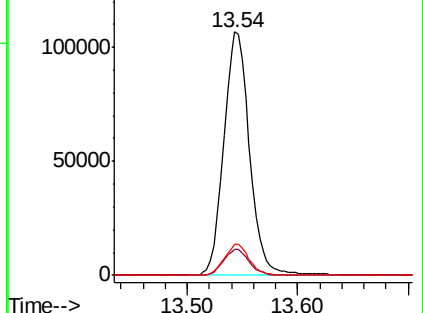
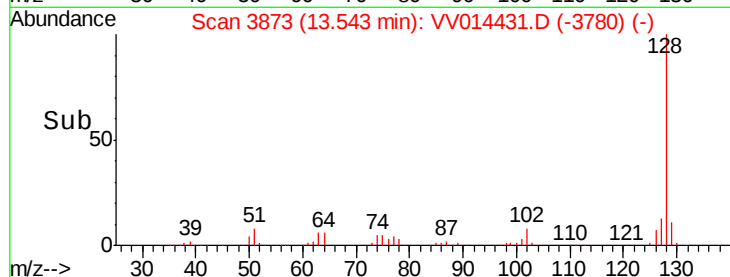
127 12.3 10.3 15.5



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: 4.635 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014431.D

Acq: 30 Jan 2020 09:40

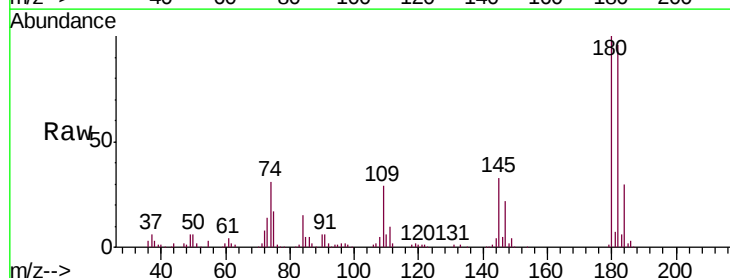
Tgt Ion:180 Resp: 86331

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 33.4 27.6 41.4



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

