

Data File : VV014046.D
Acq On : 13 Dec 2019 10:59
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB41

Quant Time: Dec 14 03:23:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 07:16:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	398616	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	387469	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	210474	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120298	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	108777	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.13	63	197432	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	3.95	46	273985	53.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.84%
24) Chloroform-d	4.39	84	237798	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	111675	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.09	84	436905	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.11	67	133296	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.35	98	376695	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.66	79	48339	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.13	63	174269	40.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.48%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	97458	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	156372	4.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	130752	4.925 ug/L	97
3) Chloromethane	1.25	50	135460	5.810 ug/L	100
5) Vinyl chloride	1.32	62	132517	5.565 ug/L	99
6) Bromomethane	1.53	94	78484	6.259 ug/L	98
8) Chloroethane	1.60	64	83910	5.847 ug/L	97
9) Trichlorofluoromethane	1.77	101	192954	5.218 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	115963	5.278 ug/L	99
12) 1,1-Dichloroethene	2.14	96	102334	5.340 ug/L	92
13) Acetone	2.21	43	192453	53.659 ug/L #	63
14) Carbon disulfide	2.31	76	218423	4.937 ug/L	99
15) Methyl Acetate	2.47	43	48429	6.031 ug/L	97
16) Methylene chloride	2.53	84	133528	5.086 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	275070	5.244 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	112763	5.210 ug/L	99
19) 1,1-Dichloroethane	3.22	63	237855	5.505 ug/L	98
21) 2-Butanone	4.03	43	292301	53.917 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	129890	5.118 ug/L	95

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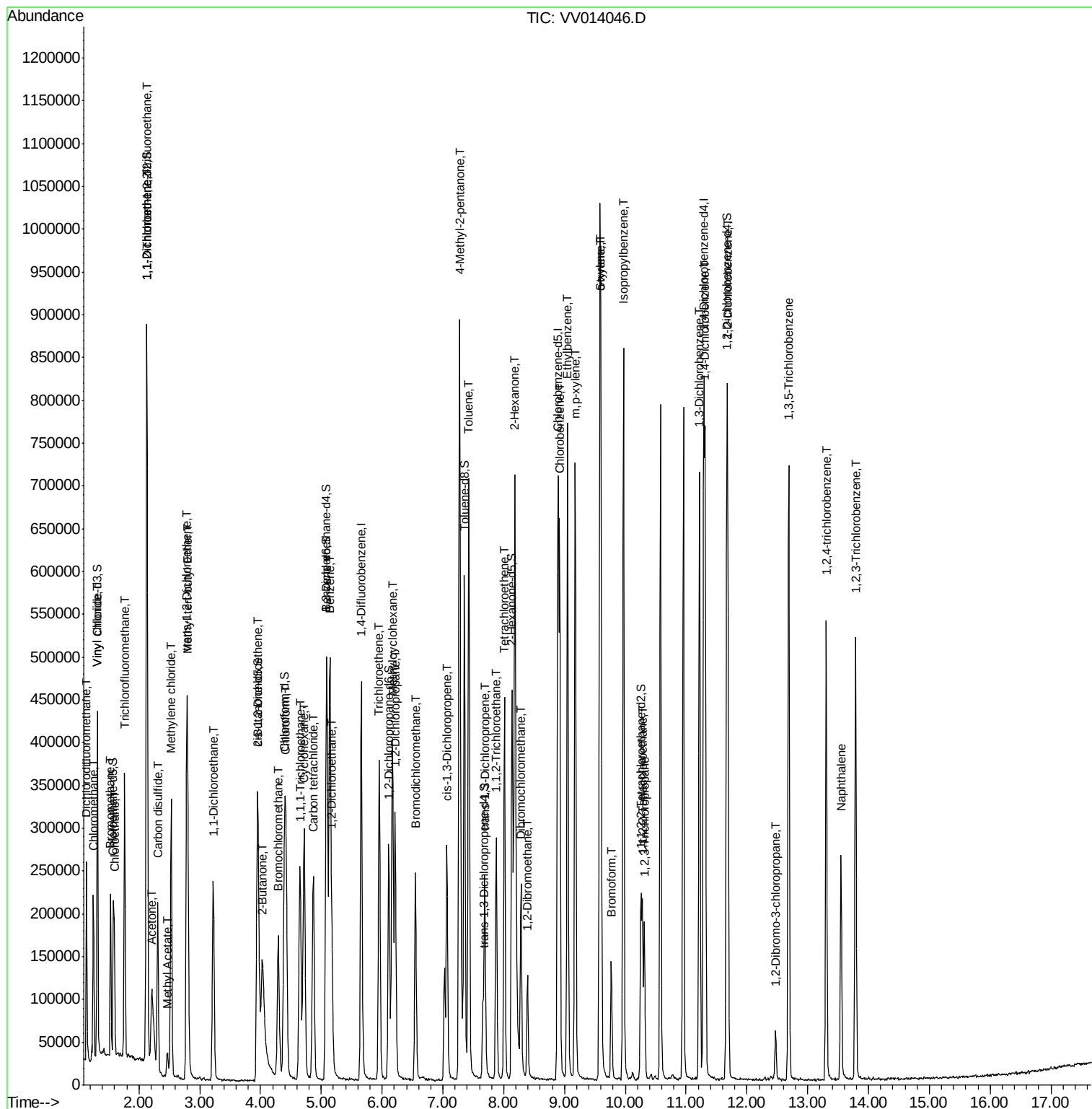
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	60728	5.446	ug/L	95
25) Chloroform	4.42	83	251365	5.488	ug/L	99
27) 1,2-Dichloroethane	5.17	62	133927	5.109	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	202243	5.102	ug/L	98
30) Cyclohexane	4.72	56	149065	4.502	ug/L	99
31) Carbon tetrachloride	4.87	117	177361	5.086	ug/L	98
33) Benzene	5.14	78	490214	5.158	ug/L	100
34) Trichloroethene	5.95	95	128259	4.892	ug/L	97
35) Methylcyclohexane	6.17	83	149046	4.260	ug/L	95
37) 1,2-Dichloropropane	6.22	63	121259	4.964	ug/L	100
38) Bromodichloromethane	6.55	83	162993	5.057	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	164582	4.748	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	711054	49.888	ug/L	99
42) Toluene	7.42	91	510943	5.012	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	131673	4.853	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	87517	5.027	ug/L	99
47) Tetrachloroethene	8.01	164	107786	4.734	ug/L	98
48) 2-Hexanone	8.18	43	530437	52.138	ug/L	97
49) Dibromochloromethane	8.28	129	111739	5.005	ug/L	95
50) 1,2-Dibromoethane	8.39	107	79241	5.026	ug/L	100
51) Chlorobenzene	8.92	112	338852	4.777	ug/L	98
52) Ethylbenzene	9.05	91	529424	4.780	ug/L	98
53) m,p-xylene	9.18	106	205220	4.861	ug/L	99
54) o-xylene	9.58	106	200032	4.853	ug/L	96
55) Styrene	9.60	104	364537	5.122	ug/L	99
56) Isopropylbenzene	9.97	105	536629	4.777	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	92841	4.854	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	75144	5.011	ug/L	99
61) Bromoform	9.77	173	65246	4.926	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	305073	4.989	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	291444	4.683	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	275249	4.850	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	13727	4.162	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	242549	4.696	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	181895	4.294	ug/L	99
69) Naphthalene	13.55	128	215764	3.741	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	169821	4.401	ug/L	98

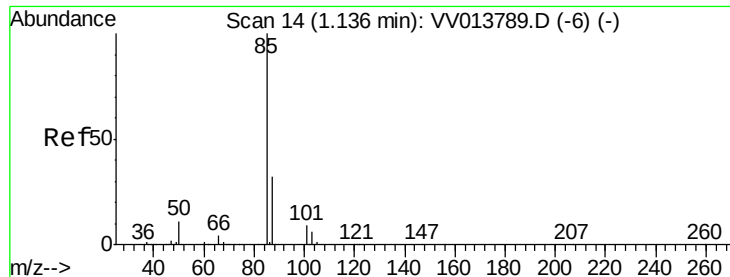
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.925 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

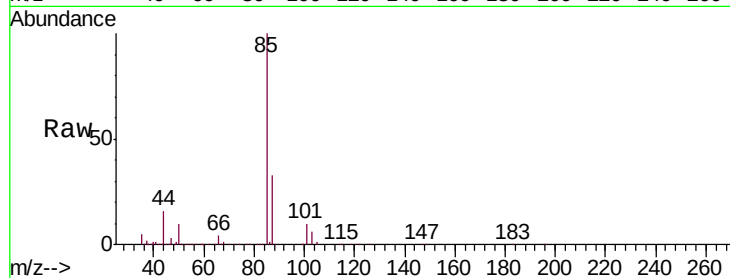
BFB41

Tgt Ion: 85 Resp: 130752

Ion Ratio Lower Upper

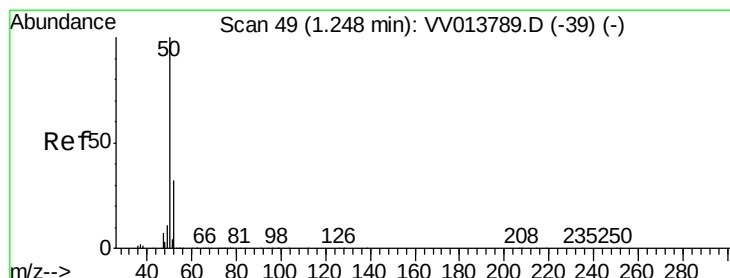
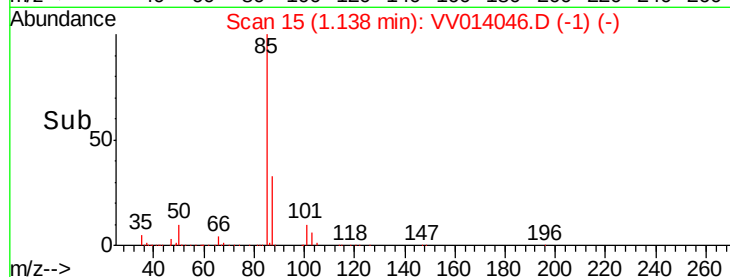
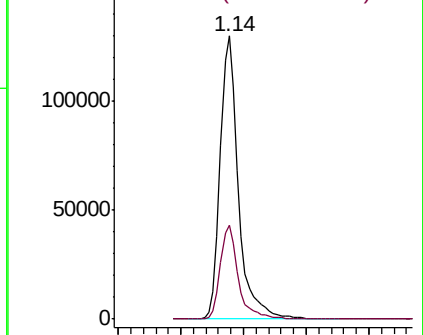
85 100

87 32.8 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.810 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014046.D

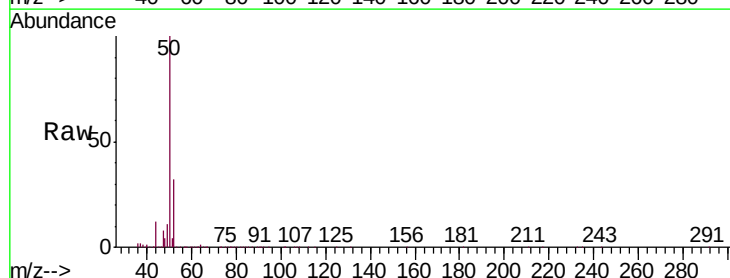
Acq: 13 Dec 2019 10:59

Tgt Ion: 50 Resp: 135460

Ion Ratio Lower Upper

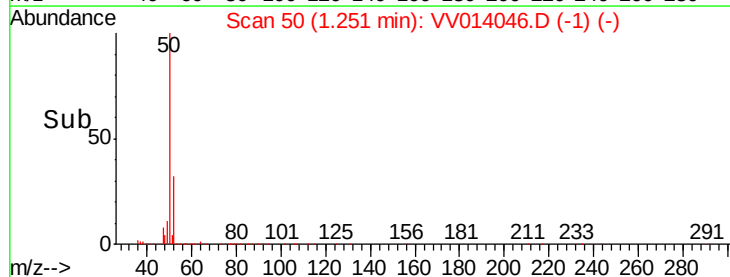
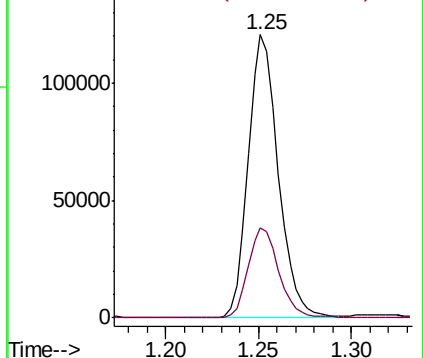
50 100

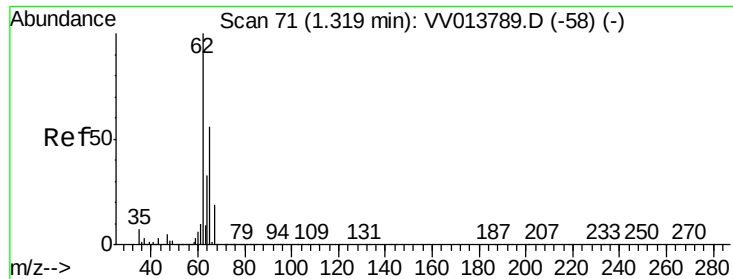
52 32.0 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.565 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014046.D

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Instrument :

MSVOA_V

ClientSampleId :

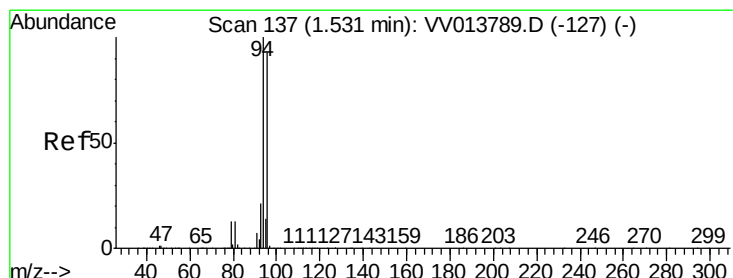
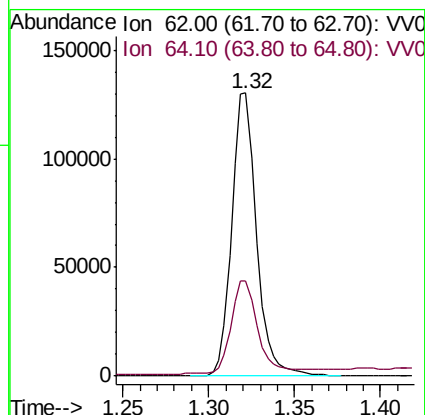
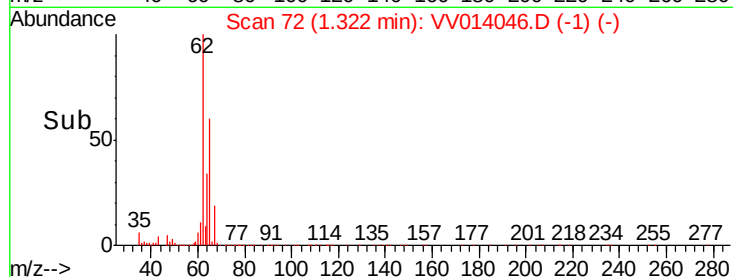
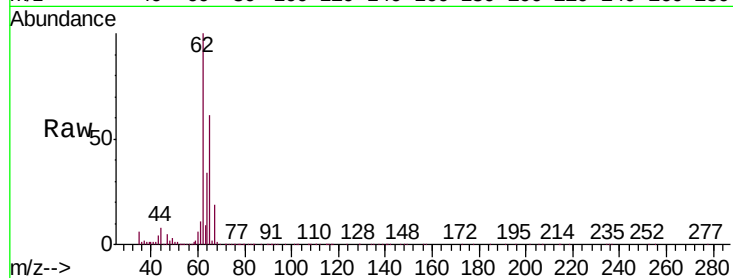
BFB41

Tgt Ion: 62 Resp: 132517

Ion Ratio Lower Upper

62 100

64 33.7 23.3 43.3



#6

Bromomethane

Concen: 6.259 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014046.D

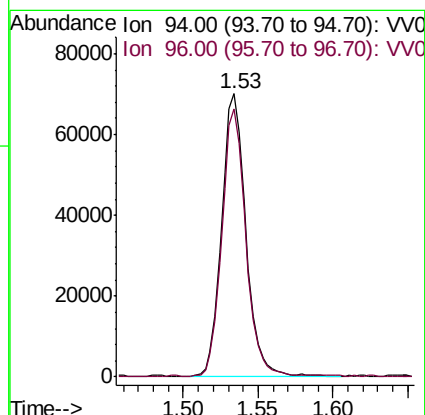
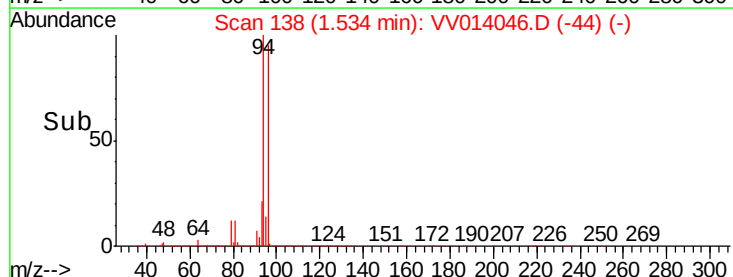
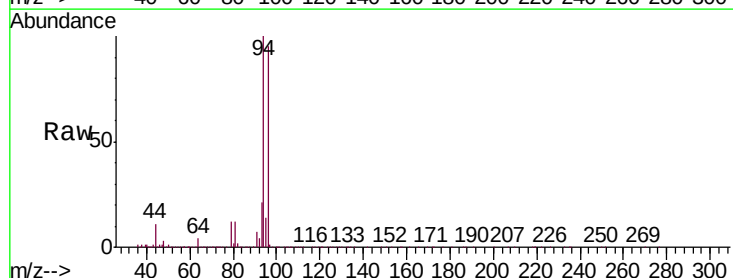
Acq: 13 Dec 2019 10:59

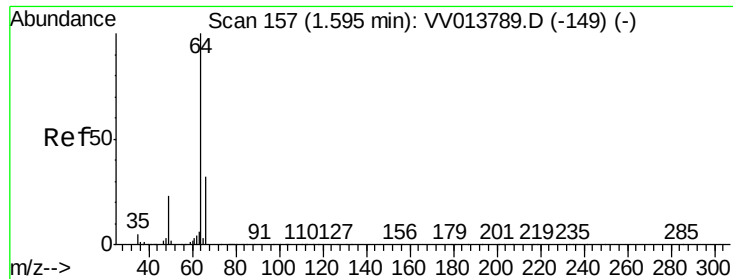
Tgt Ion: 94 Resp: 78484

Ion Ratio Lower Upper

94 100

96 94.9 65.2 121.0

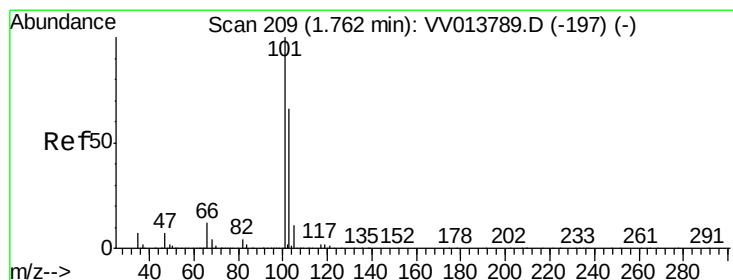
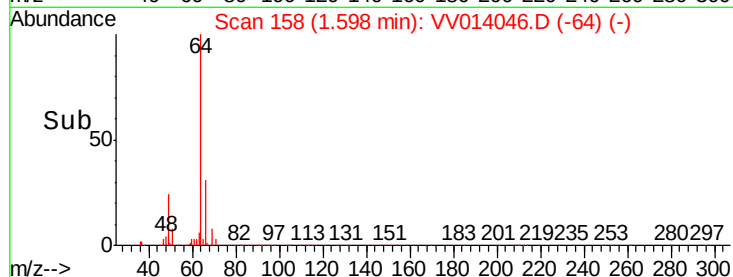
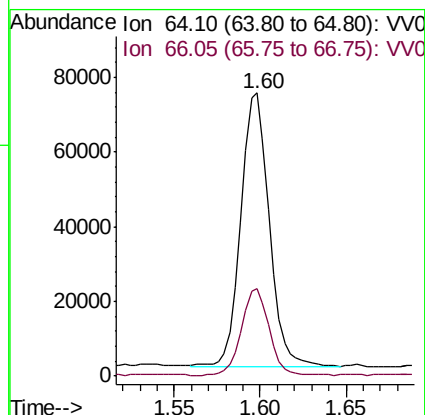
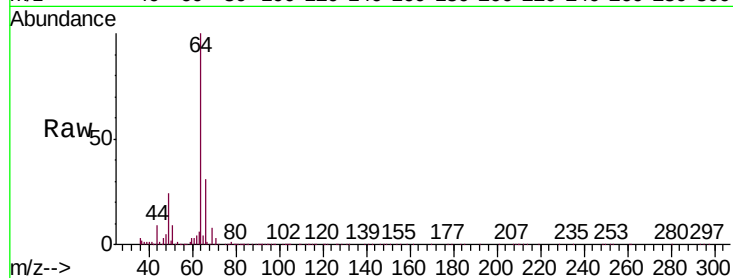




#8
Chloroethane
Concen: 5.847 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

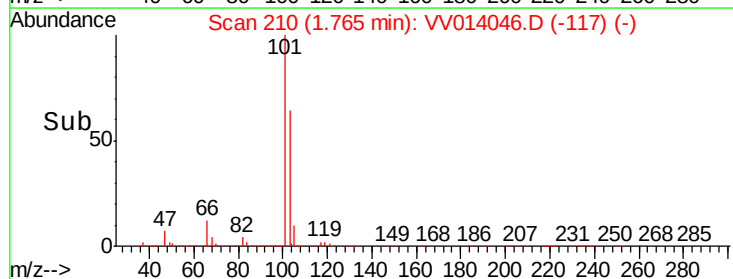
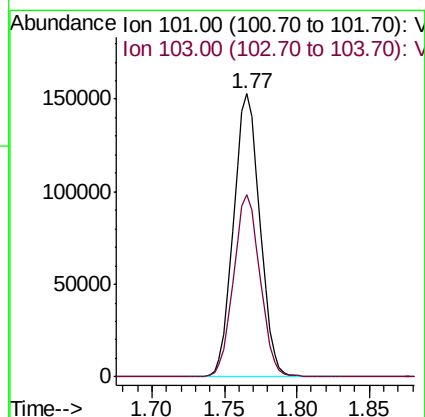
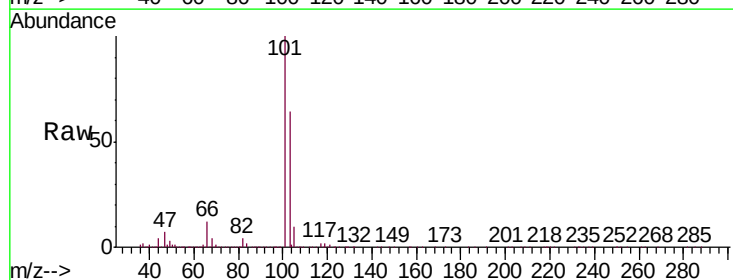
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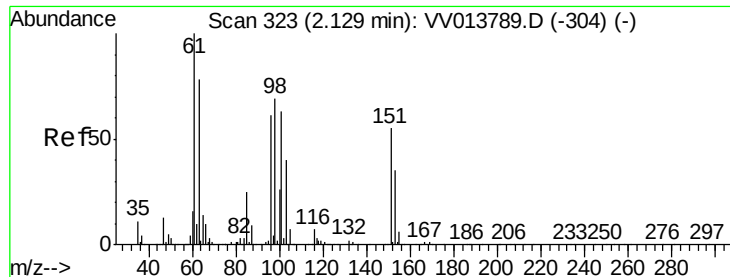
Tgt Ion: 64 Resp: 83910
Ion Ratio Lower Upper
64 100
66 30.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.218 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Tgt Ion: 101 Resp: 192954
Ion Ratio Lower Upper
101 100
103 64.6 52.9 79.3





#10

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

Concen: 5.278 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

BFB41

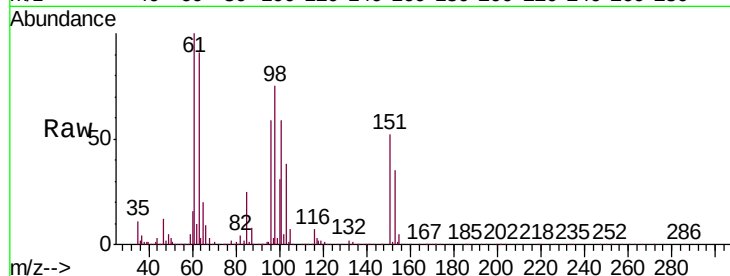
Tgt Ion: 101 Resp: 115963

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.0

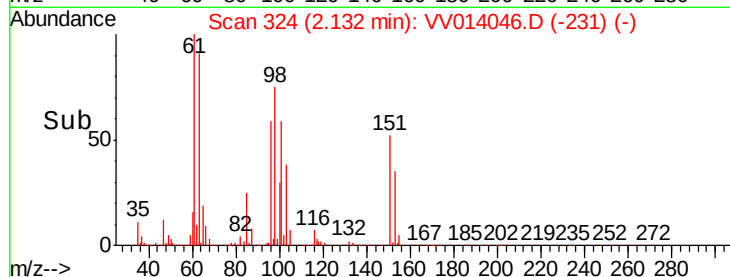
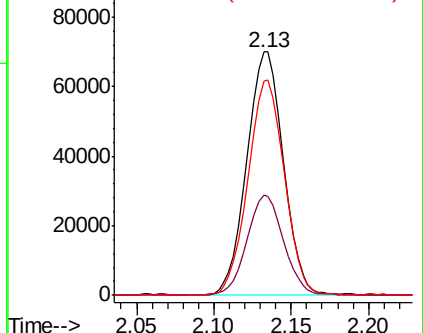
151 88.1 69.4 104.0



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: 5.340 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

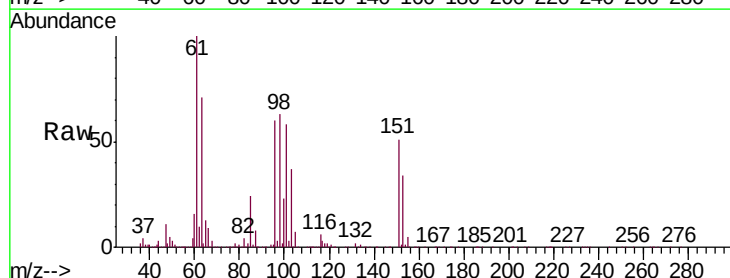
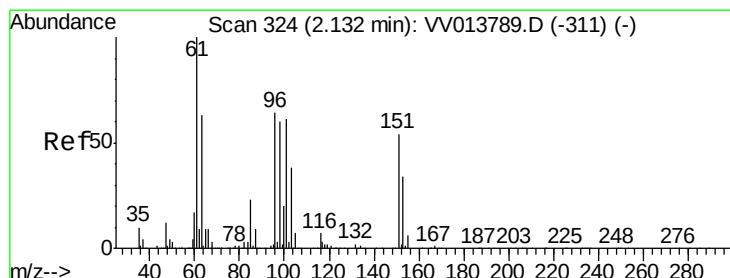
Tgt Ion: 96 Resp: 102334

Ion Ratio Lower Upper

96 100

61 166.7 116.3 215.9

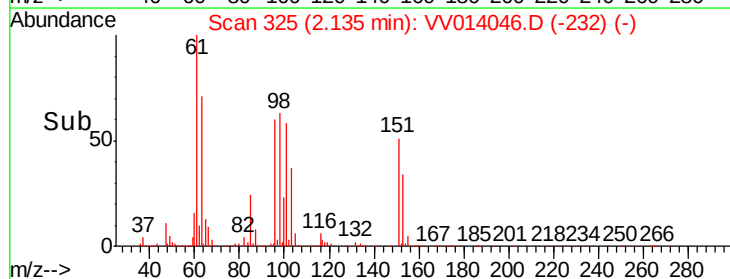
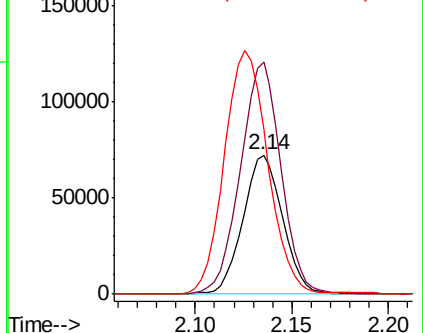
63 118.1 96.7 179.7

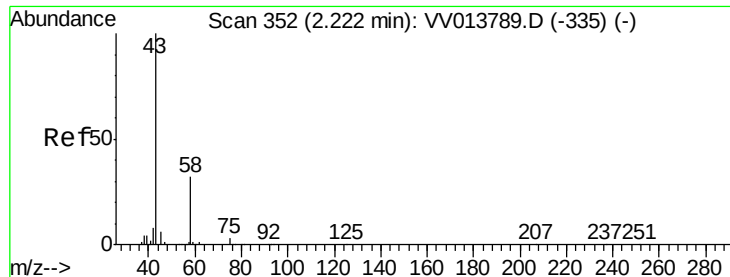


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 53.659 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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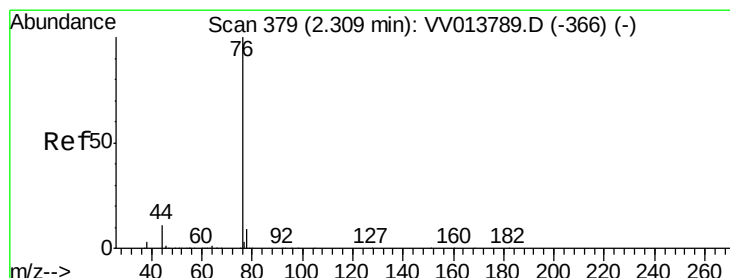
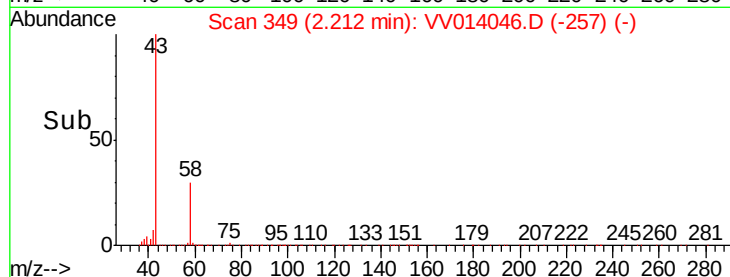
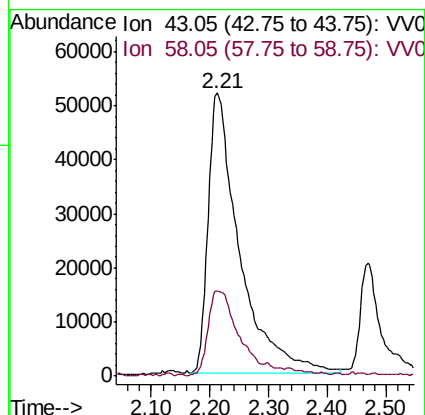
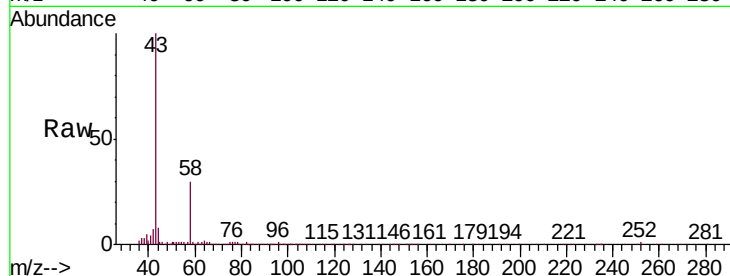
BFB41

Tgt Ion: 43 Resp: 192453

Ion Ratio Lower Upper

43 100

58 28.6 0.0 27.2#



#14

Carbon disulfide

Concen: 4.937 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014046.D

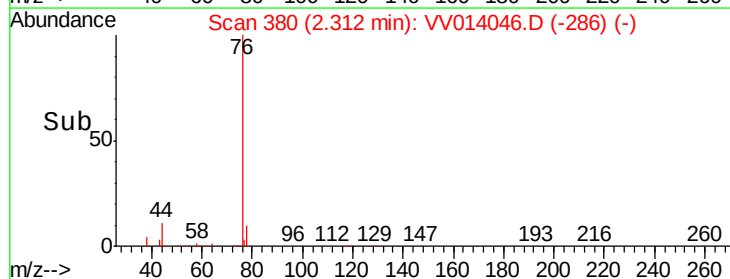
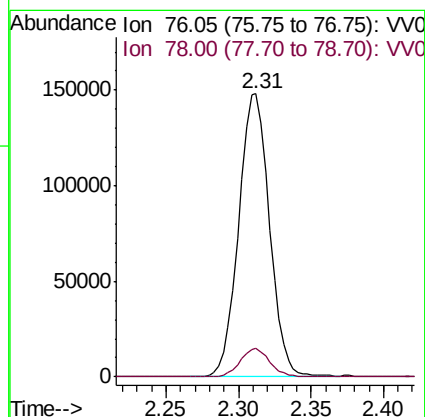
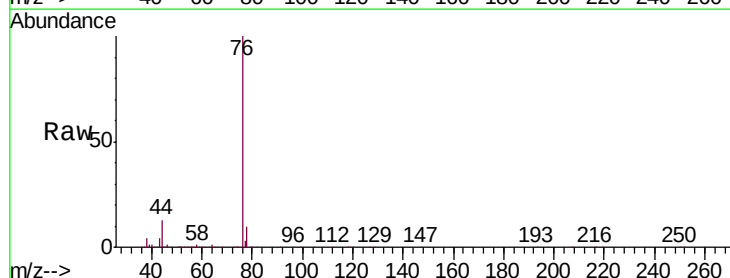
Acq: 13 Dec 2019 10:59

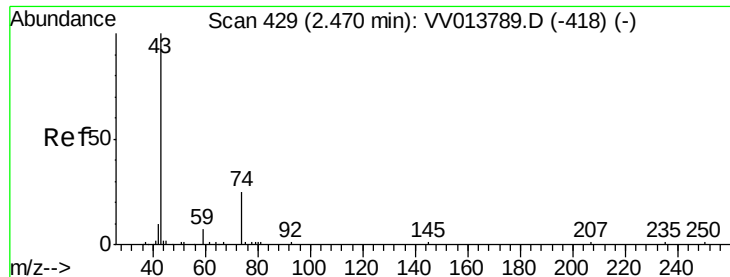
Tgt Ion: 76 Resp: 218423

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

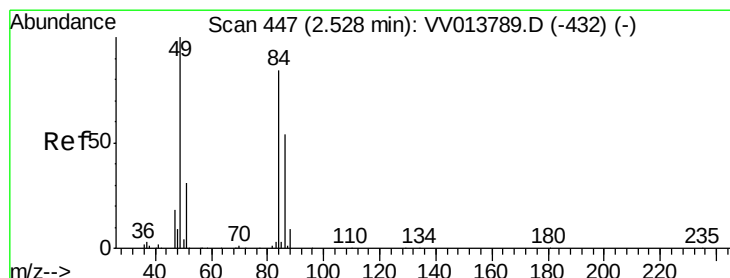
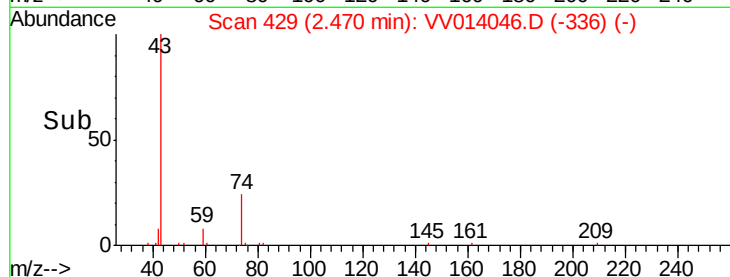
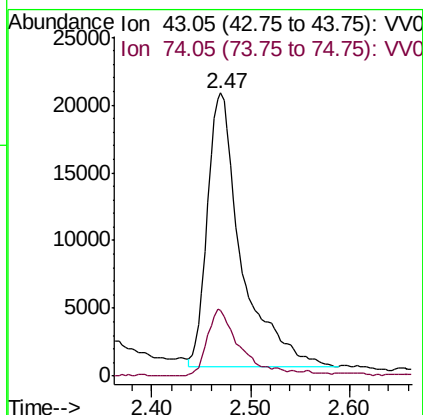
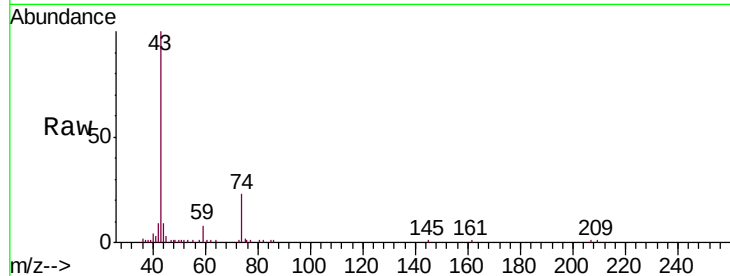




#15
Methyl Acetate
Concen: 6.031 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

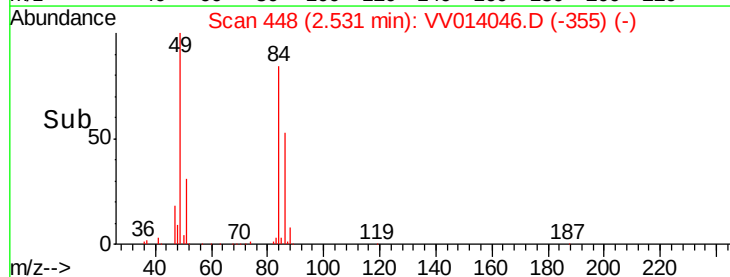
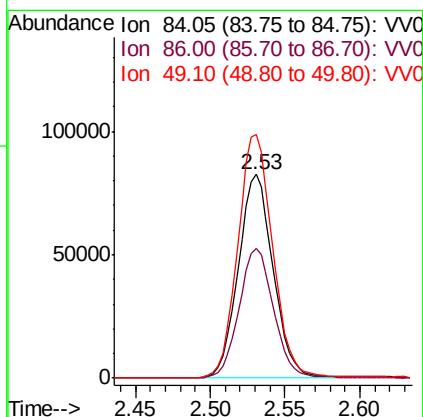
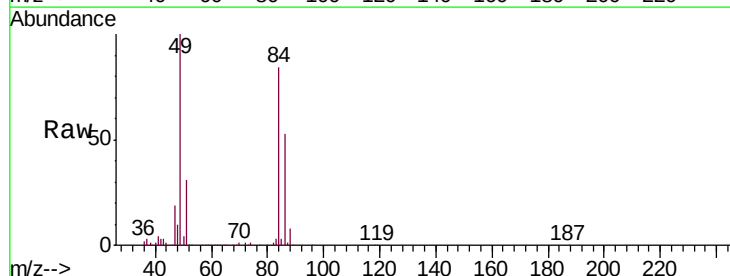
Instrument :
MSVOA_V
ClientSampleId :
BFB41

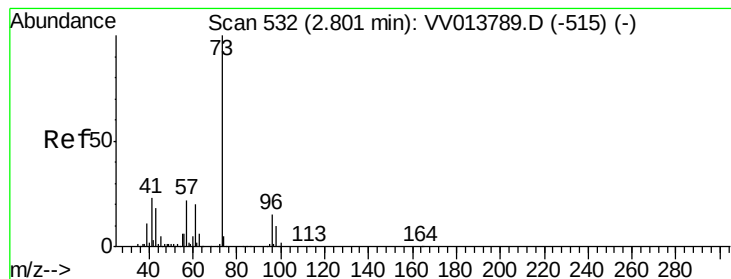
Tgt Ion: 43 Resp: 48429
Ion Ratio Lower Upper
43 100
74 24.0 20.5 30.7



#16
Methylene chloride
Concen: 5.086 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Tgt Ion: 84 Resp: 133528
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.6
49 119.5 81.5 151.5





#17

Methyl tert-butyl Ether

Concen: 5.244 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

BFB41

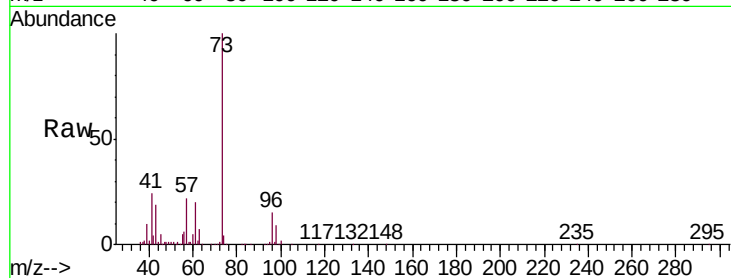
Tgt Ion: 73 Resp: 275070

Ion Ratio Lower Upper

73 100

43 19.0 15.5 23.3

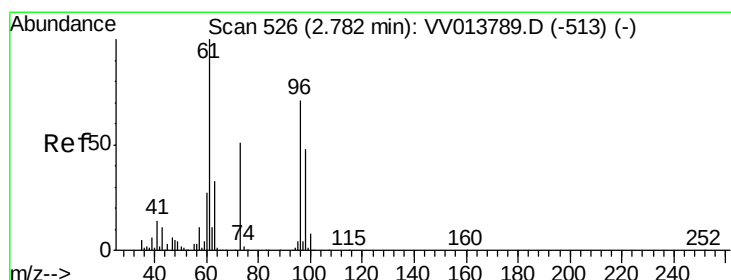
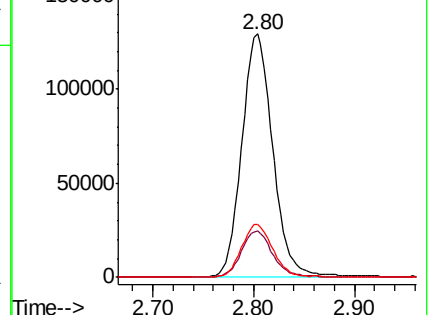
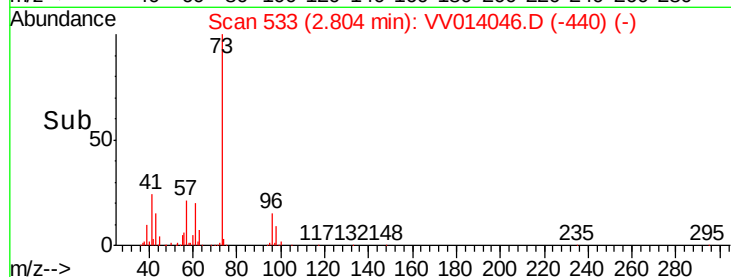
57 21.8 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV014046.D (-440) (-)

Ion 43.05 (42.75 to 43.75): VV014046.D (-440) (-)

Ion 57.10 (56.80 to 57.80): VV014046.D (-440) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.210 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

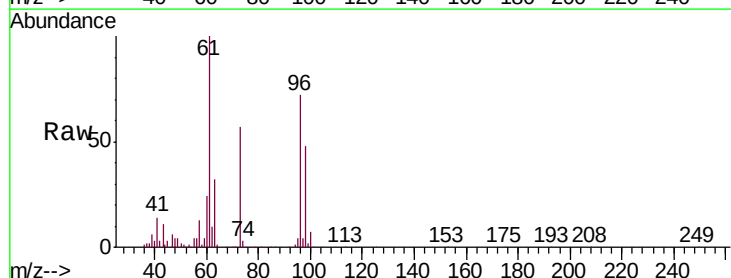
Tgt Ion: 96 Resp: 112763

Ion Ratio Lower Upper

96 100

61 137.9 95.1 176.7

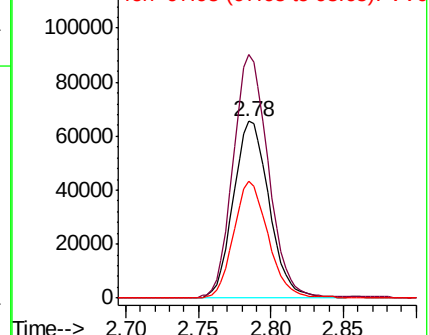
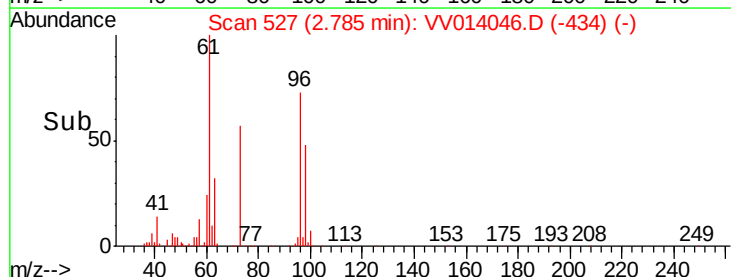
98 66.1 46.5 86.3

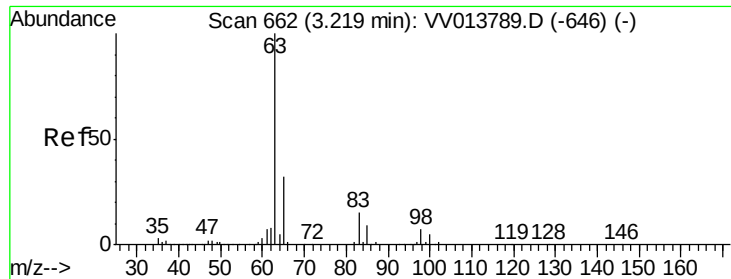


Abundance Ion 96.00 (95.70 to 96.70): VV014046.D (-434) (-)

Ion 61.05 (60.75 to 61.75): VV014046.D (-434) (-)

Ion 97.95 (97.65 to 98.65): VV014046.D (-434) (-)

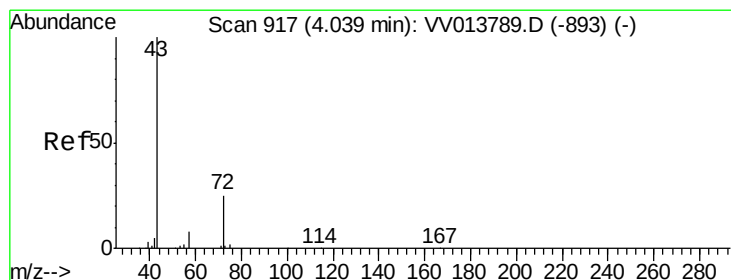
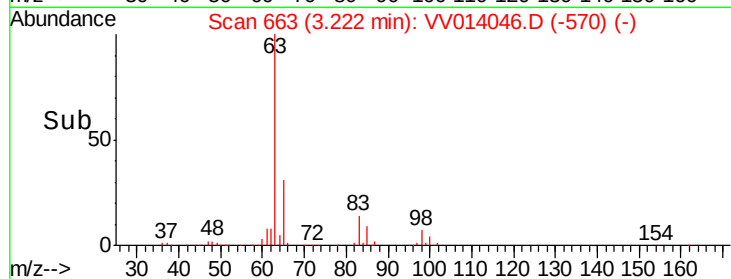
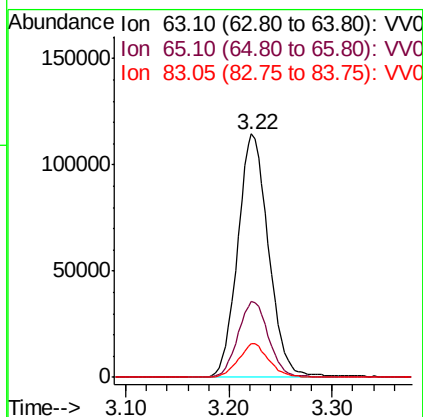
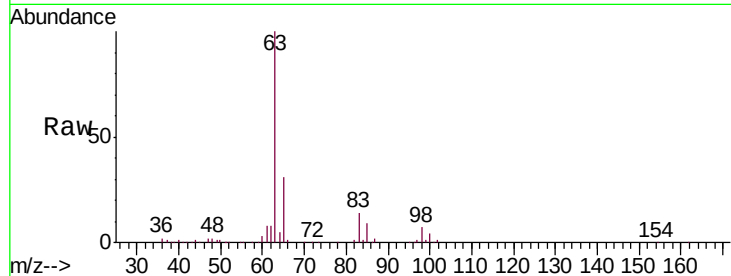




#19
 1,1-Dichloroethane
 Concen: 5.505 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

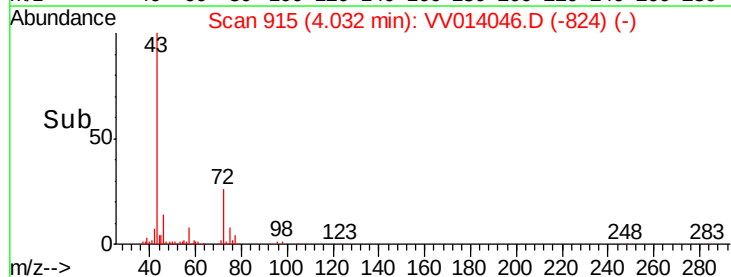
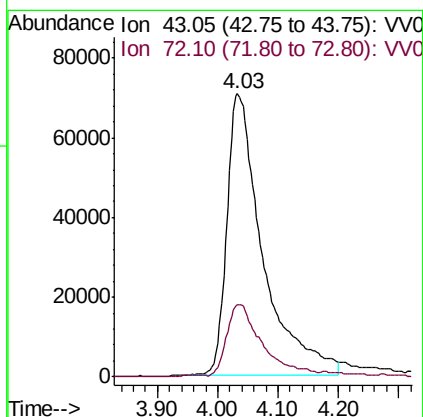
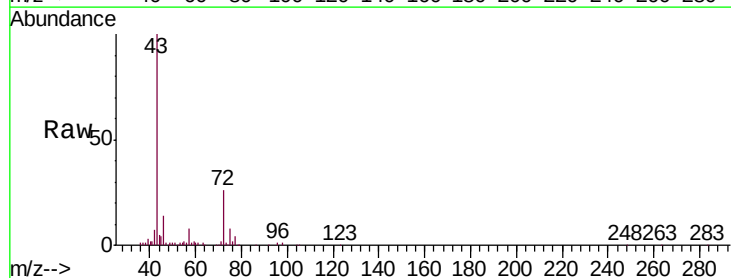
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB41

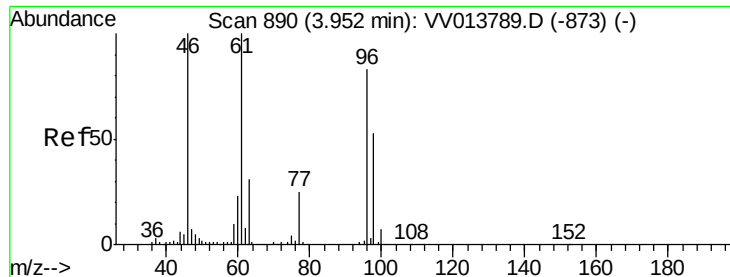
Tgt Ion: 63 Resp: 237855
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.7 42.1
 83 13.7 9.2 17.2



#21
 2-Butanone
 Concen: 53.917 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Tgt Ion: 43 Resp: 292301
 Ion Ratio Lower Upper
 43 100
 72 23.9 12.3 36.9



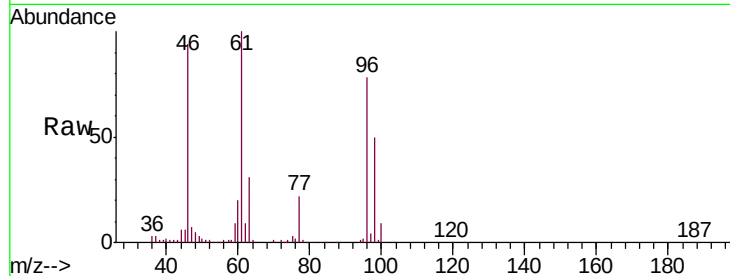


#22

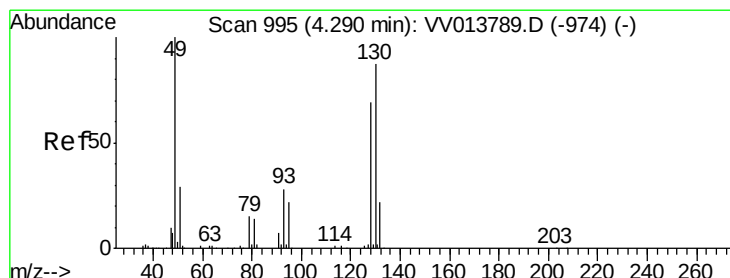
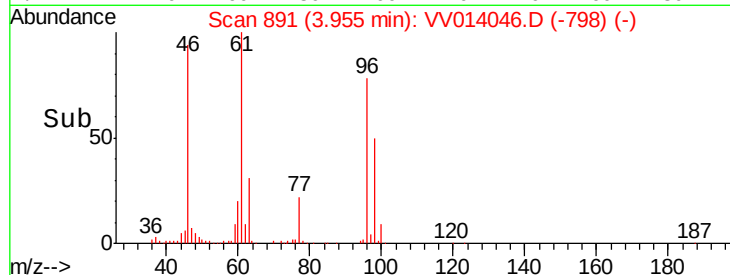
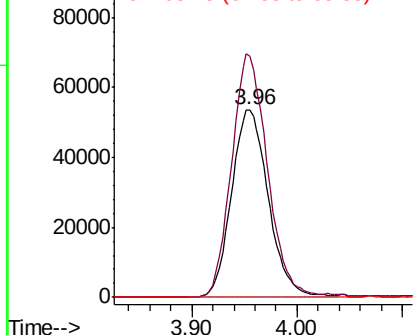
cis-1,2-Dichloroethene
Concen: 5.118 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Instrument :
MSVOA_V
ClientSampleId :
BFB41

Tgt Ion: 96 Resp: 129890
Ion Ratio Lower Upper
96 100
61 128.2 86.1 159.9
68 0.0 0.0 0.0



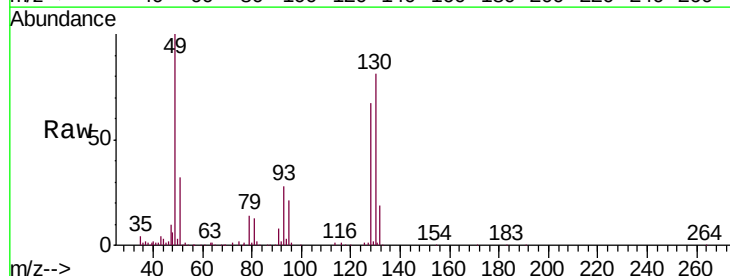
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



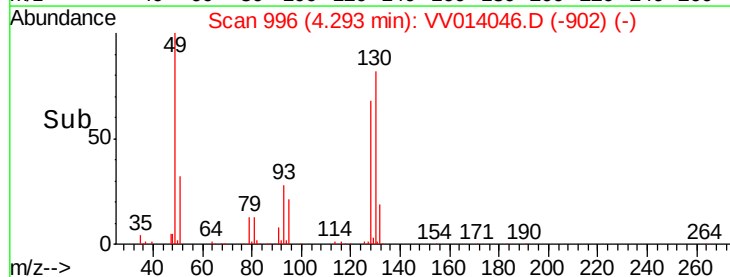
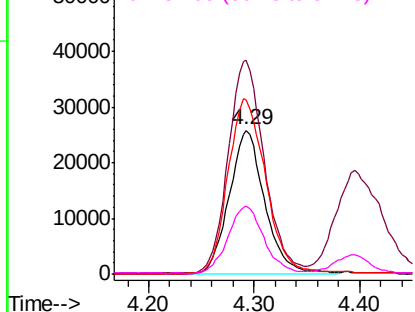
#23

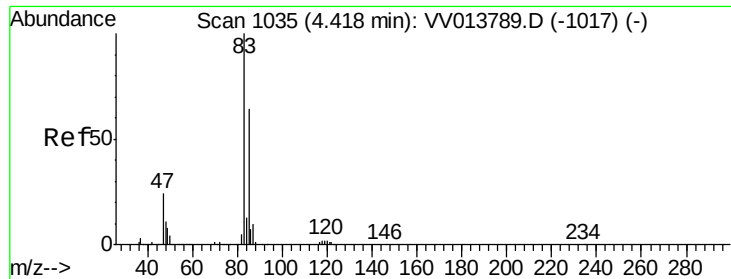
Bromochloromethane
Concen: 5.446 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Tgt Ion: 128 Resp: 60728
Ion Ratio Lower Upper
128 100
49 148.6 100.1 185.9
130 120.9 89.0 165.4
51 47.2 36.3 54.5



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





#25

Chloroform

Concen: 5.488 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

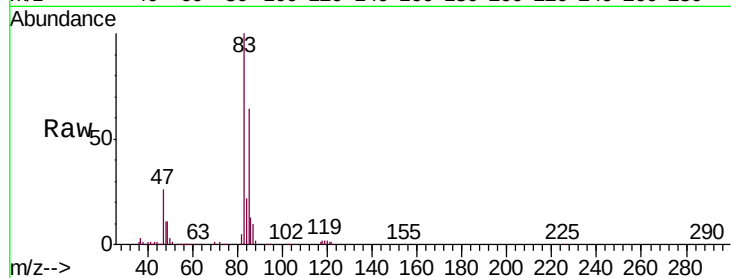
BFB41

Tgt Ion: 83 Resp: 251365

Ion Ratio Lower Upper

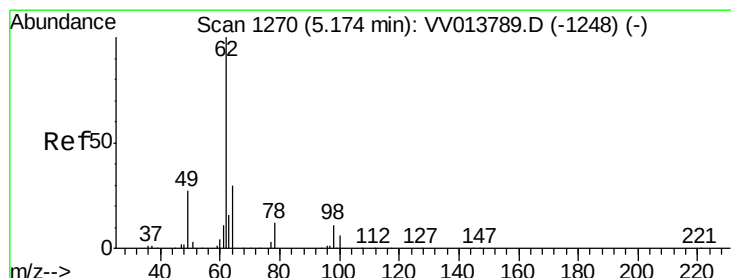
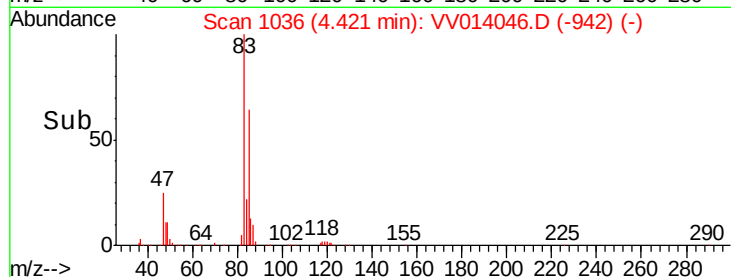
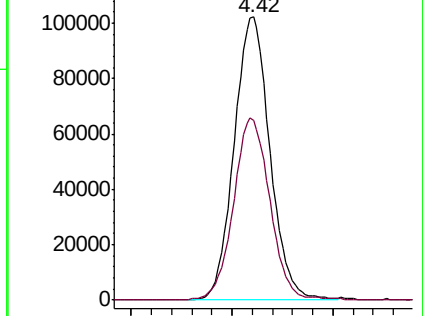
83 100

85 63.6 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV014046.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV014046.D (-942) (-)



#27

1,2-Dichloroethane

Concen: 5.109 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV014046.D

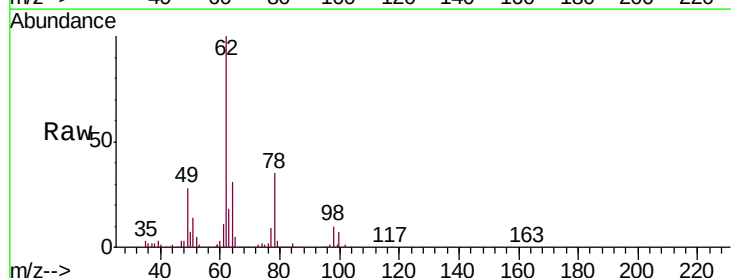
Acq: 13 Dec 2019 10:59

Tgt Ion: 62 Resp: 133927

Ion Ratio Lower Upper

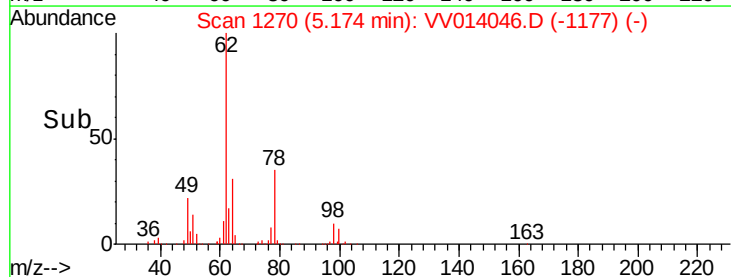
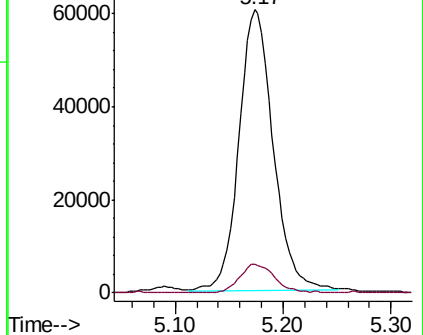
62 100

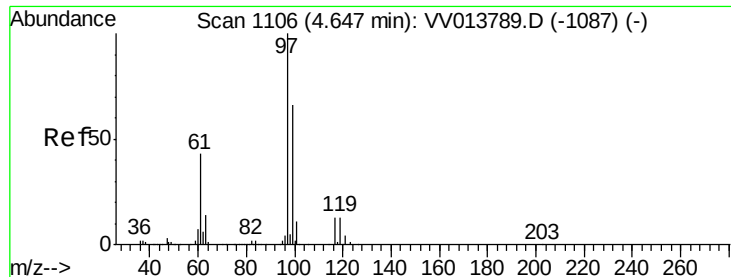
98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV014046.D (-1177) (-)

Ion 98.05 (97.75 to 98.75): VV014046.D (-1177) (-)

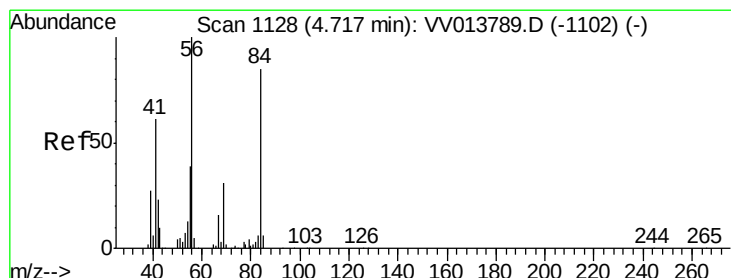
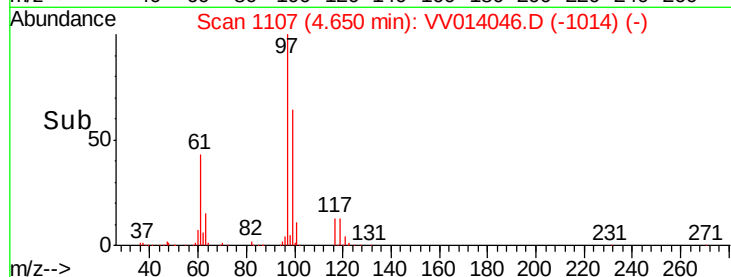
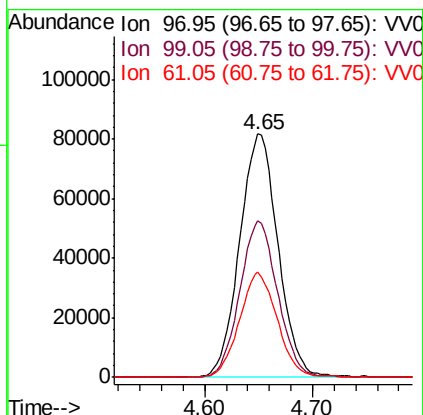
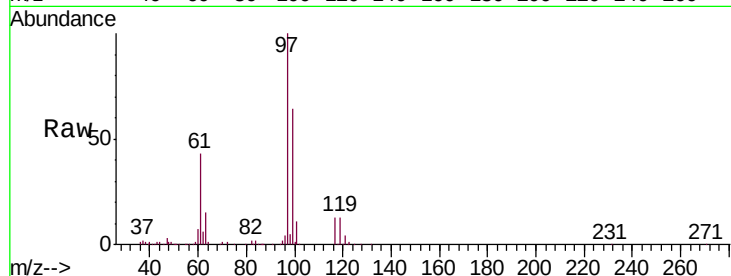




#29
1,1,1-Trichloroethane
Concen: 5.102 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

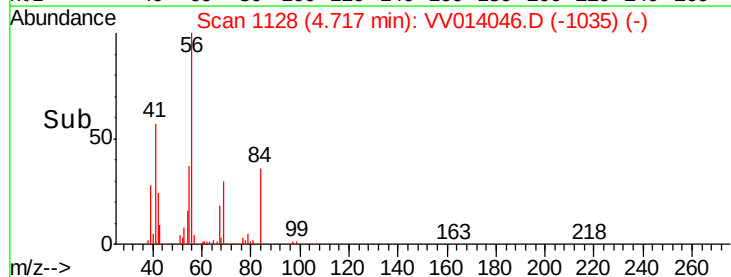
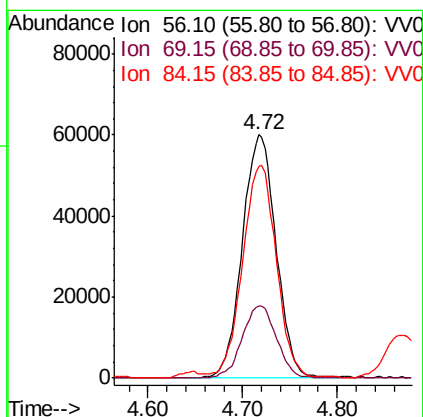
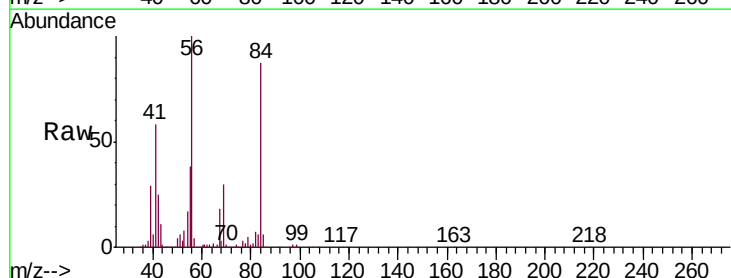
Instrument :
MSVOA_V
ClientSampleId :
BFB41

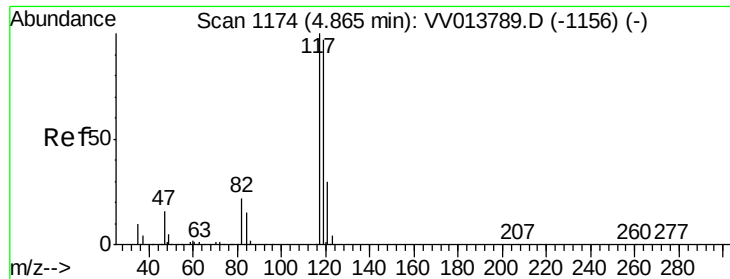
Tgt Ion: 97 Resp: 202243
Ion Ratio Lower Upper
97 100
99 63.4 51.7 77.5
61 42.4 35.0 52.6



#30
Cyclohexane
Concen: 4.502 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Tgt Ion: 56 Resp: 149065
Ion Ratio Lower Upper
56 100
69 30.3 24.1 36.1
84 86.6 69.9 104.9





#31

Carbon tetrachloride

Concen: 5.086 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

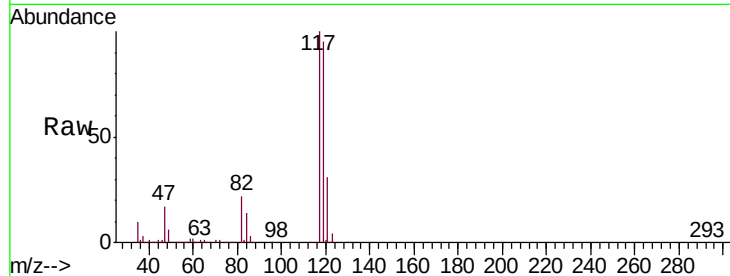
BFB41

Tgt Ion:117 Resp: 177361

Ion Ratio Lower Upper

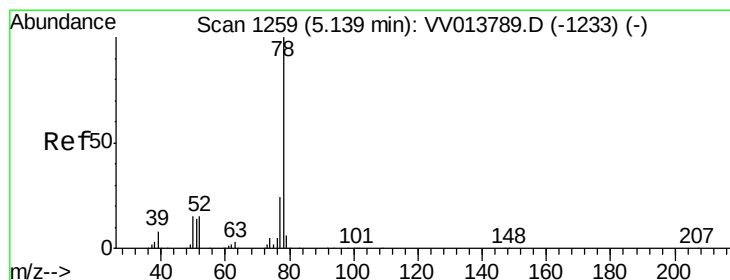
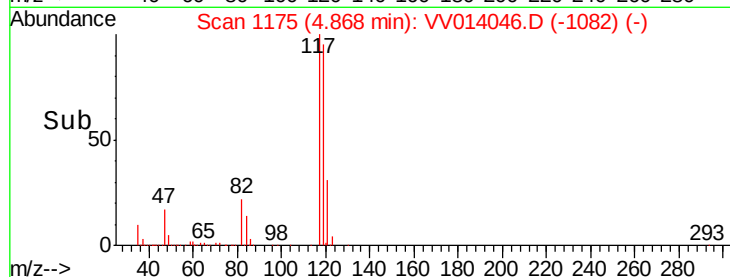
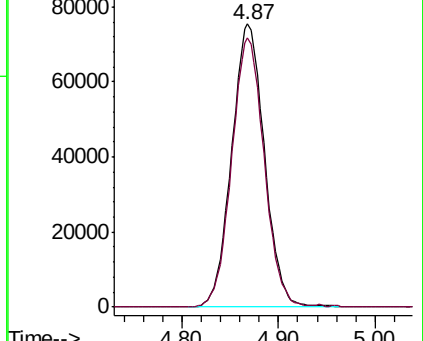
117 100

119 94.5 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.158 ug/L

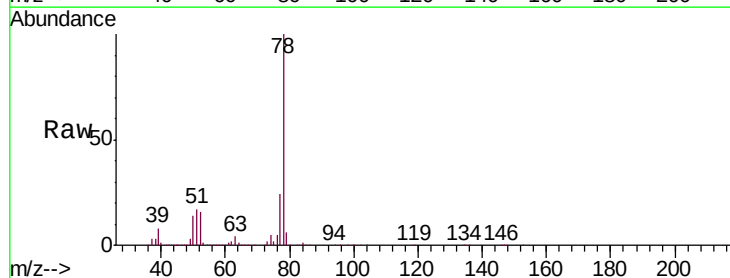
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

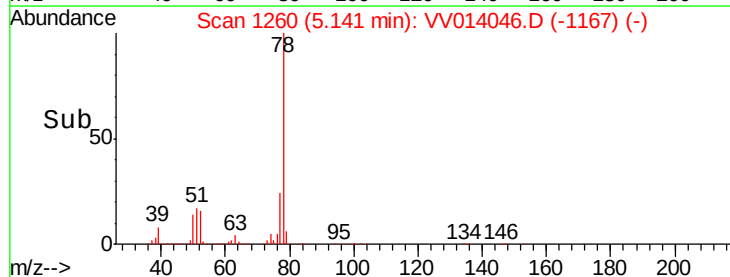
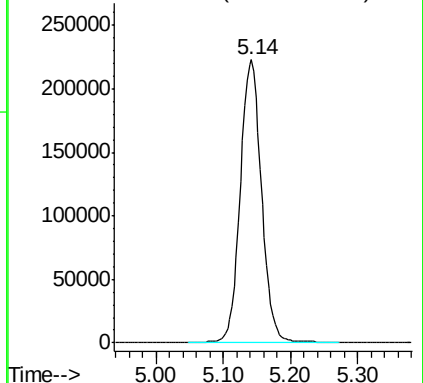
Lab File: VV014046.D

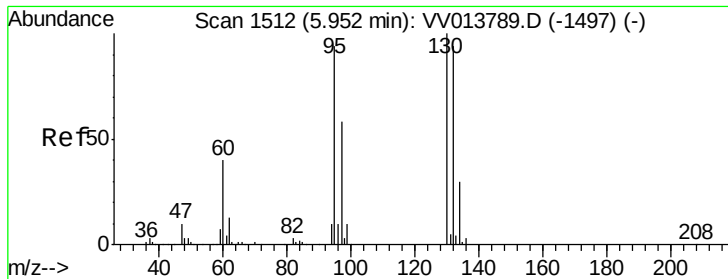
Acq: 13 Dec 2019 10:59

Tgt Ion: 78 Resp: 490214



Abundance Ion 78.10 (77.80 to 78.80): VV0

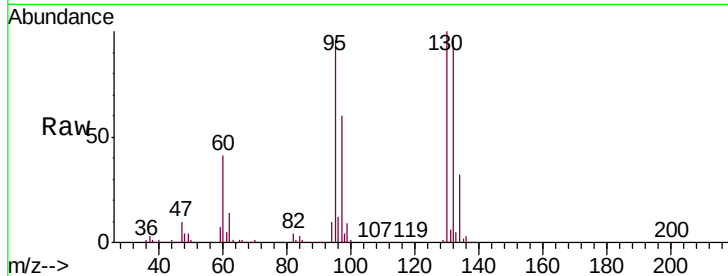




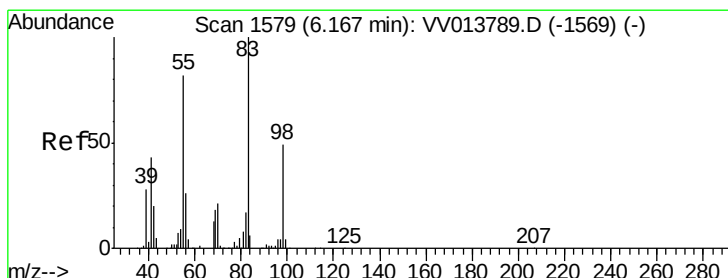
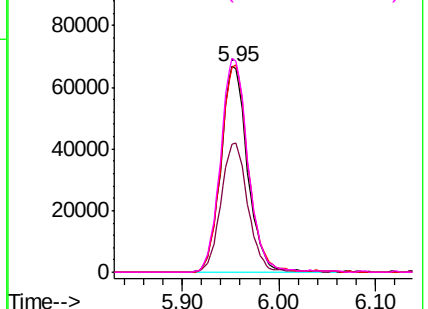
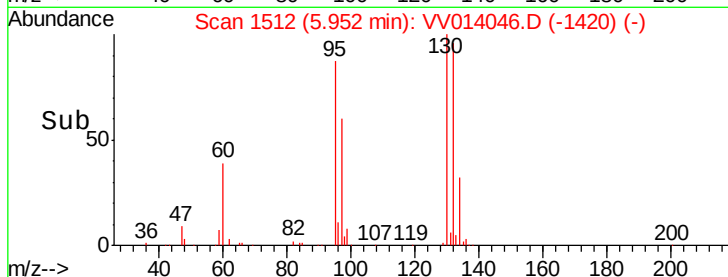
#34
 Trichloroethene
 Concen: 4.892 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB41

Tgt Ion:	95	Resp:	128259
Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.6	84.8
132	99.9	70.5	130.9
130	103.9	75.9	140.9

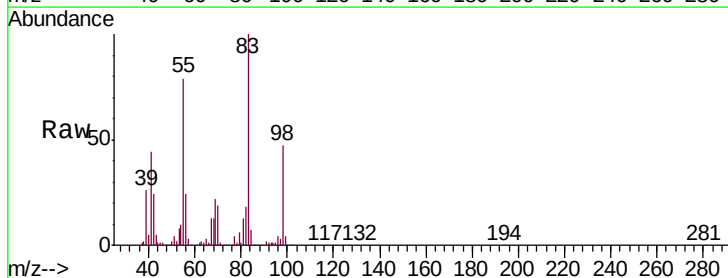


Abundance Ion 95.00 (94.70 to 95.70): VV014046.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV014046.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV014046.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV014046.D (-1420) (-)

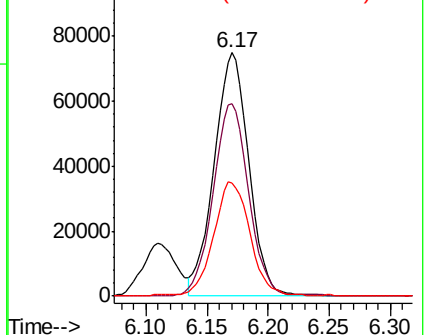
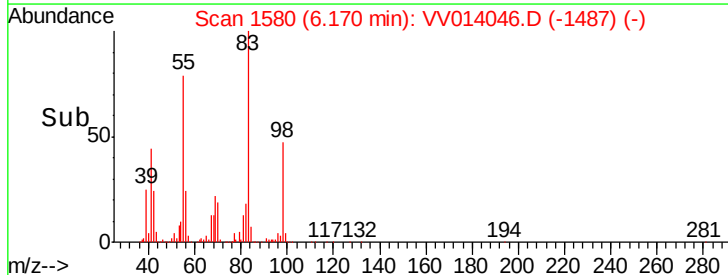


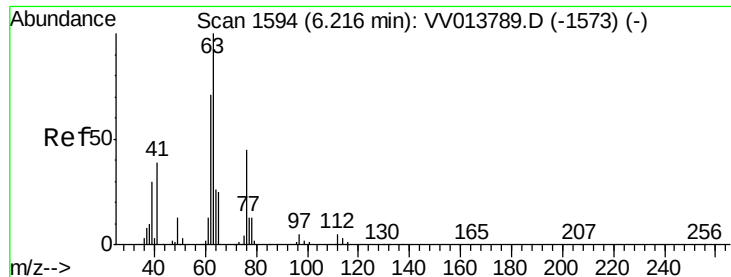
#35
 Methylcyclohexane
 Concen: 4.260 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Tgt Ion:	83	Resp:	149046
Ion	Ratio	Lower	Upper
83	100		
55	81.6	60.3	90.5
98	49.2	38.1	57.1



Abundance Ion 83.15 (82.85 to 83.85): VV014046.D (-1487) (-)
 Ion 55.10 (54.80 to 55.80): VV014046.D (-1487) (-)
 Ion 98.15 (97.85 to 98.85): VV014046.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 4.964 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

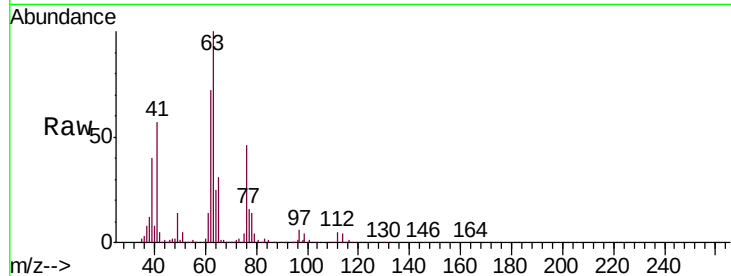
BFB41

Tgt Ion: 63 Resp: 121259

Ion Ratio Lower Upper

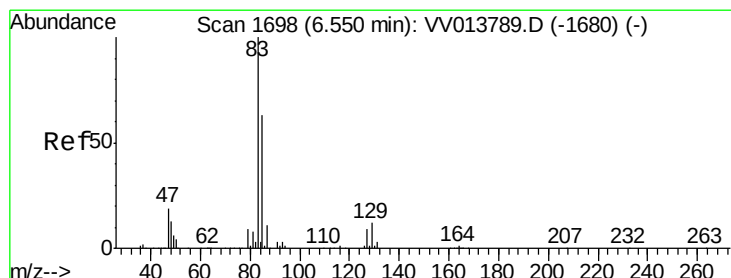
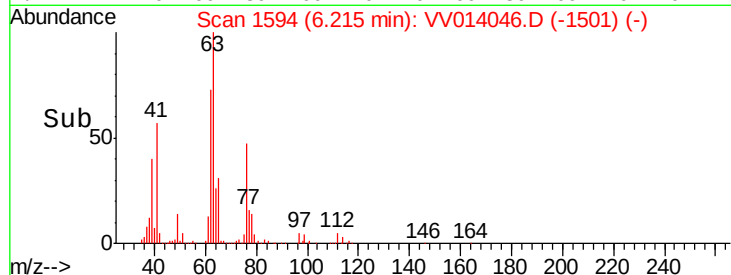
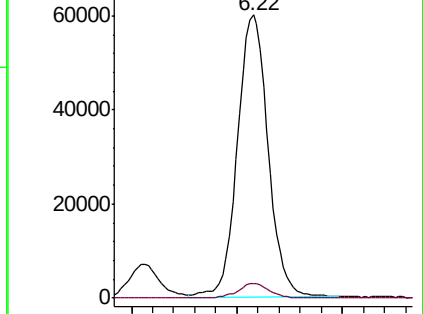
63 100

112 5.4 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV014046.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV014046.D (-1501) (-)



#38

Bromodichloromethane

Concen: 5.057 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

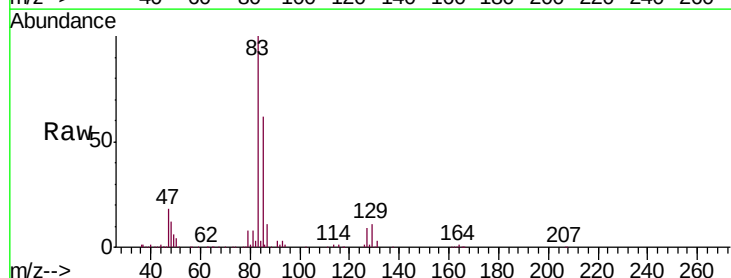
Tgt Ion: 83 Resp: 162993

Ion Ratio Lower Upper

83 100

85 62.4 46.1 85.5

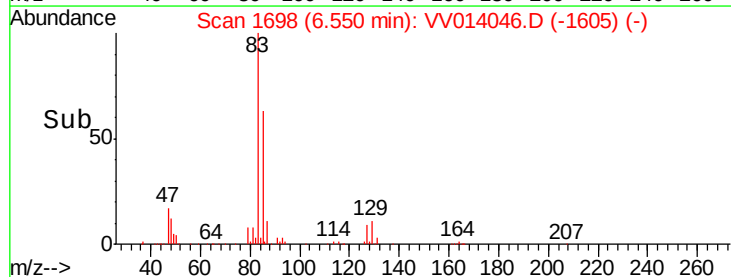
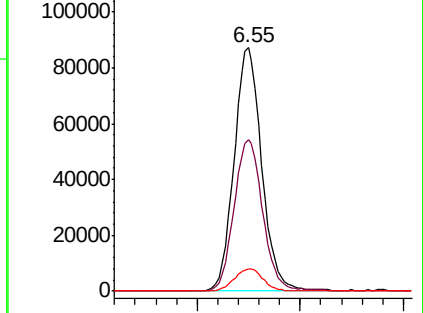
127 9.1 7.5 11.3

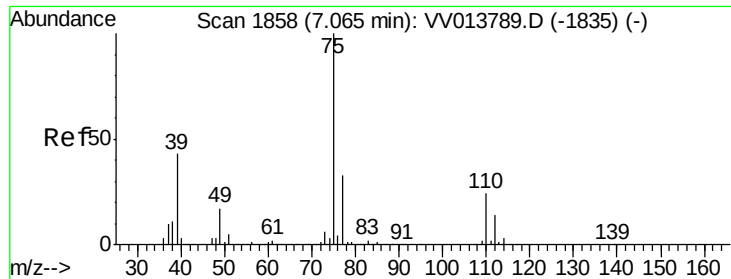


Abundance Ion 82.95 (82.65 to 83.65): VV014046.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV014046.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV014046.D (-1605) (-)

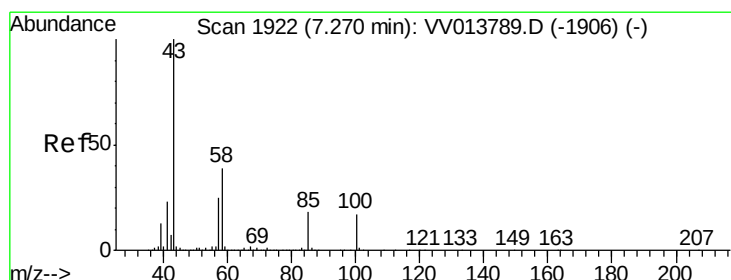
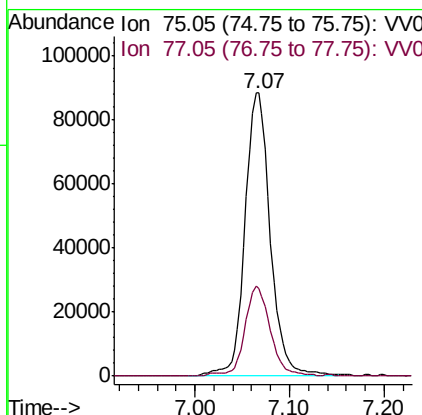
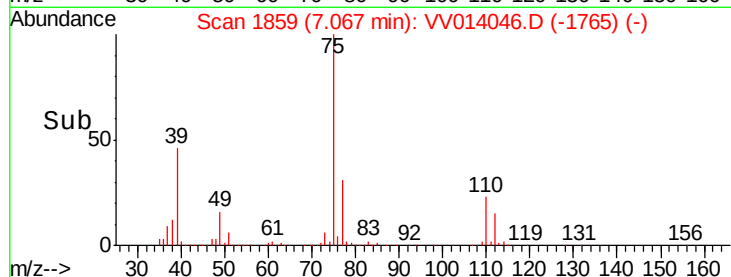
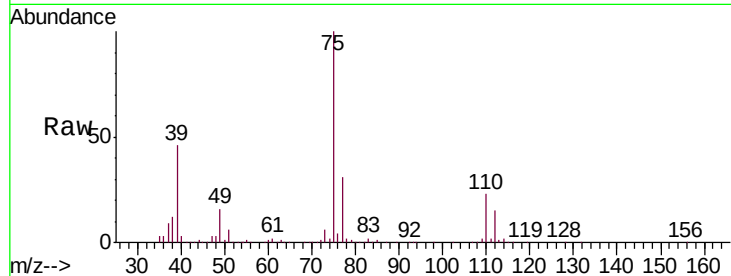




#39
 cis-1,3-Dichloropropene
 Concen: 4.748 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

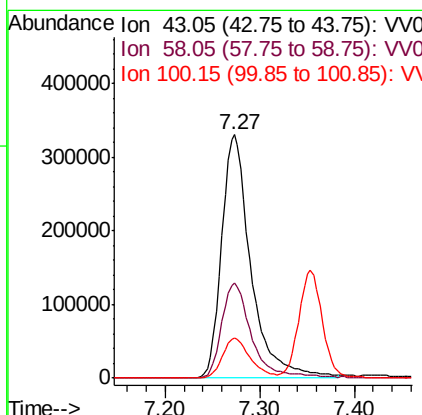
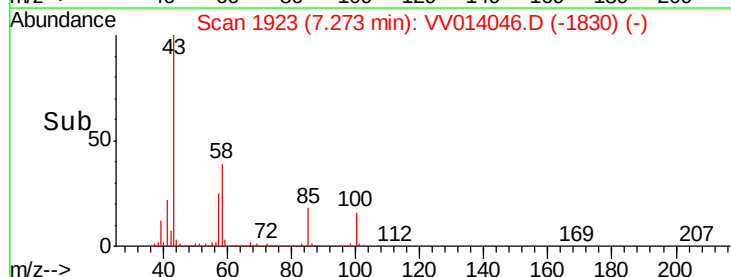
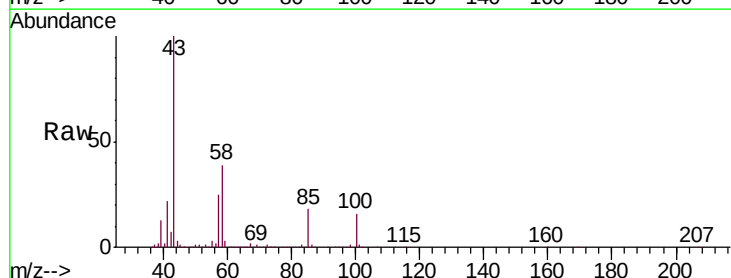
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB41

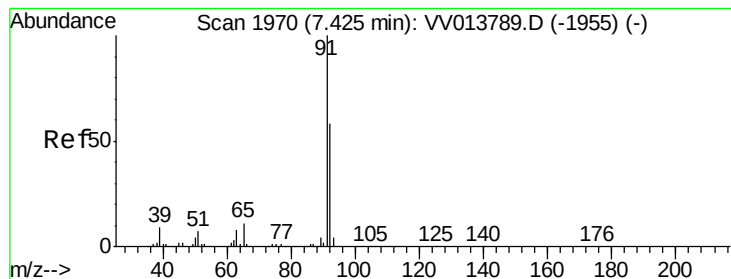
Tgt Ion: 75 Resp: 164582
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 49.888 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Tgt Ion: 43 Resp: 711054
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.3 48.5
 100 15.6 12.7 19.1





#42

Toluene

Concen: 5.012 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

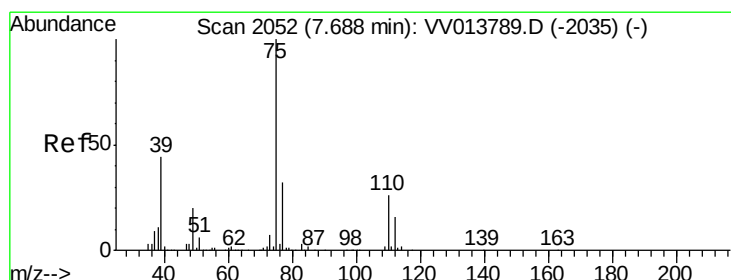
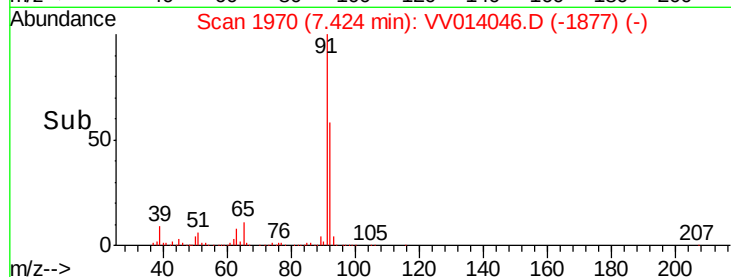
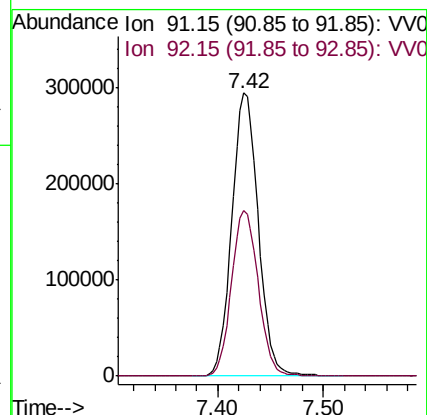
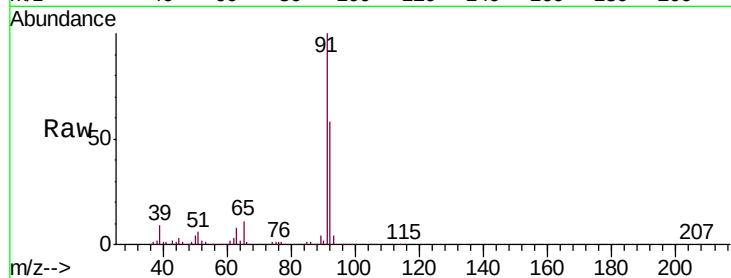
BFB41

Tgt Ion: 91 Resp: 510943

Ion Ratio Lower Upper

91 100

92 58.5 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.853 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014046.D

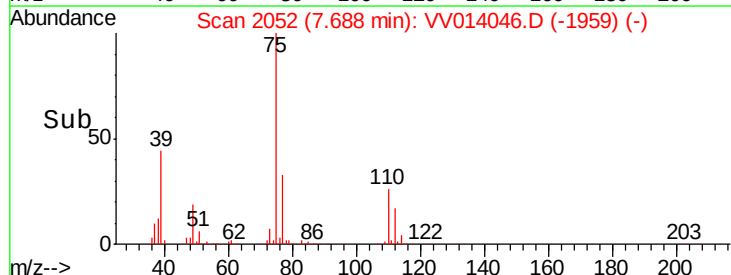
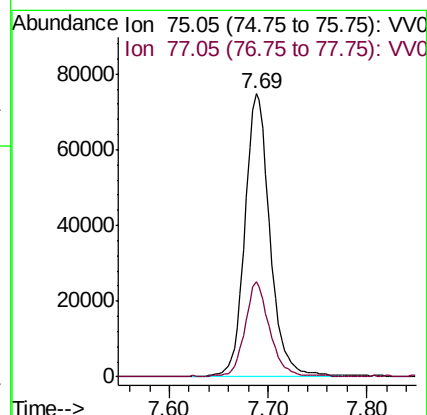
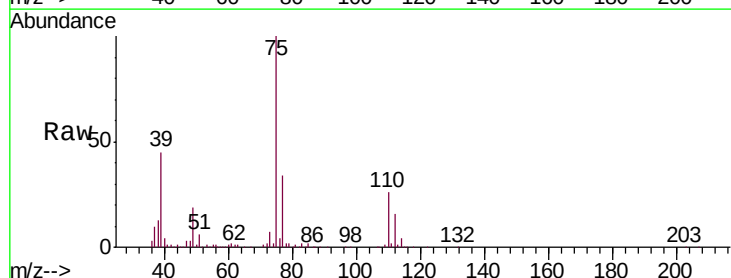
Acq: 13 Dec 2019 10:59

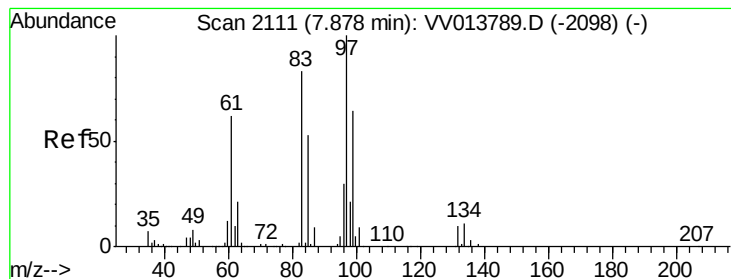
Tgt Ion: 75 Resp: 131673

Ion Ratio Lower Upper

75 100

77 33.7 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 5.027 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

BFB41

Tgt Ion: 97 Resp: 87517

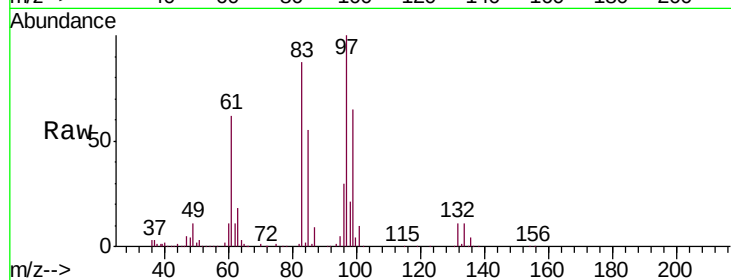
Ion Ratio Lower Upper

97 100

99 65.0 44.2 82.0

83 86.6 59.7 110.9

85 54.7 38.3 71.1



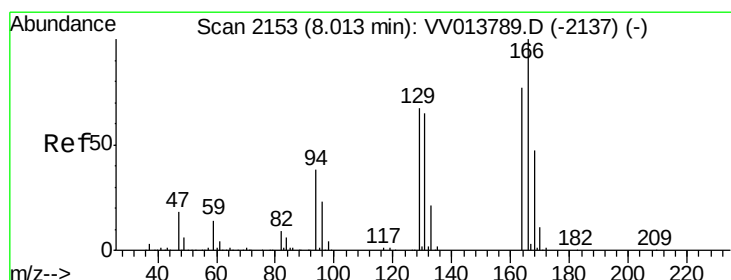
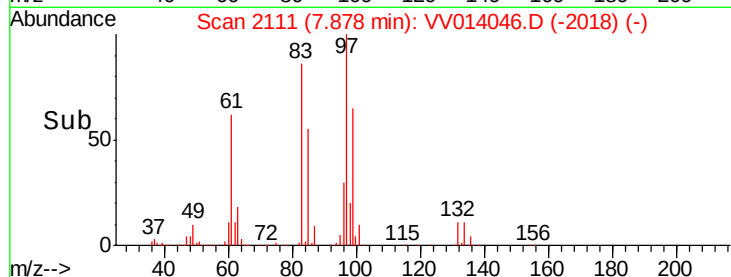
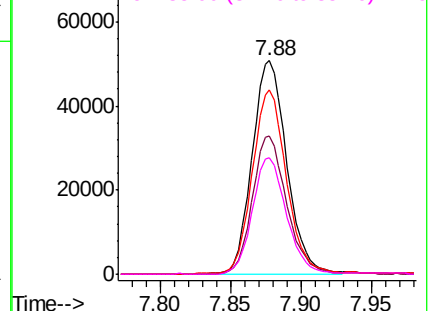
Abundance

Ion 96.95 (96.65 to 97.65): VV013789.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV013789.D (-2098) (-)

Ion 82.95 (82.65 to 83.65): VV013789.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-2098) (-)



#47

Tetrachloroethene

Concen: 4.734 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Tgt Ion: 164 Resp: 107786

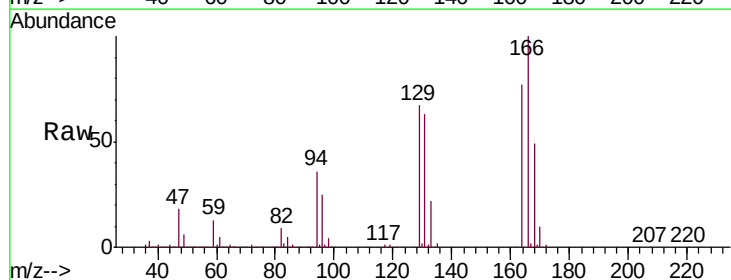
Ion Ratio Lower Upper

164 100

129 86.6 60.3 112.1

131 81.4 59.9 111.3

166 129.7 89.1 165.5



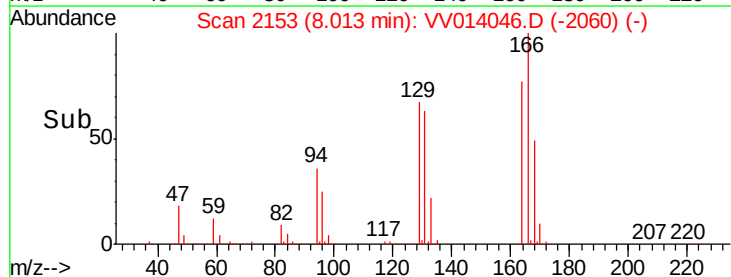
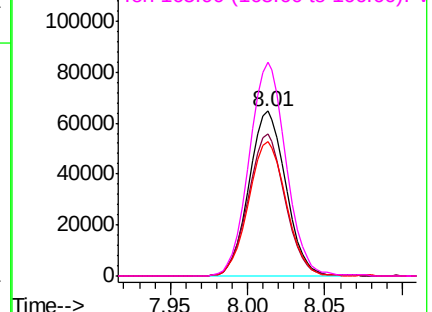
Abundance

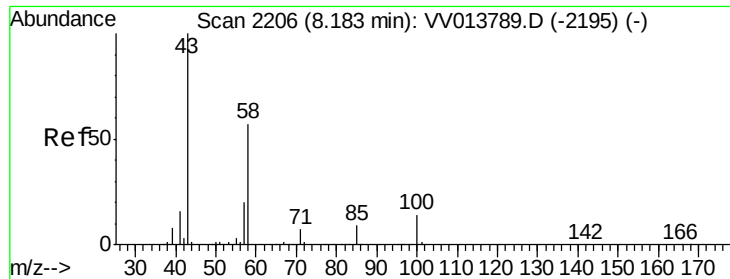
Ion 163.90 (163.60 to 164.60): VV013789.D (-2137) (-)

Ion 128.95 (128.65 to 129.65): VV013789.D (-2137) (-)

Ion 130.95 (130.65 to 131.65): VV013789.D (-2137) (-)

Ion 165.90 (165.60 to 166.60): VV013789.D (-2137) (-)

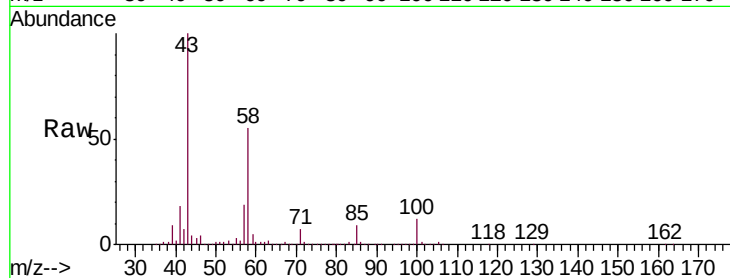




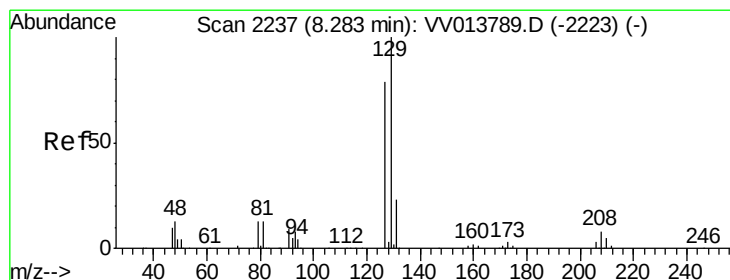
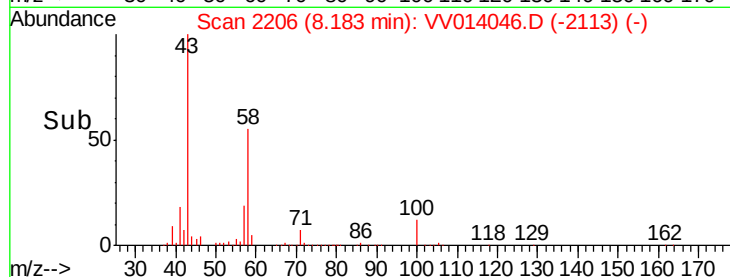
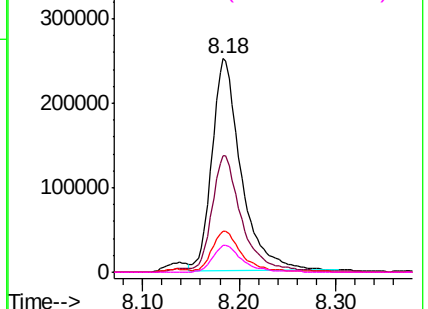
#48
2-Hexanone
Concen: 52.138 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Instrument :
MSVOA_V
ClientSampleId :
BFB41

Tgt Ion: 43 Resp: 530437
Ion Ratio Lower Upper
43 100
58 57.5 43.2 64.8
57 19.0 15.4 23.2
100 13.2 10.4 15.6

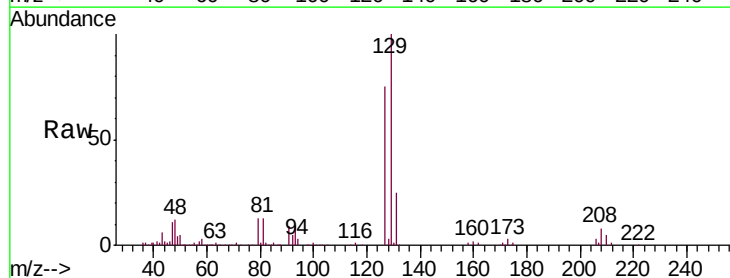


Abundance Ion 43.05 (42.75 to 43.75): VV014046.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV014046.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV014046.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV014046.D (-2113) (-)

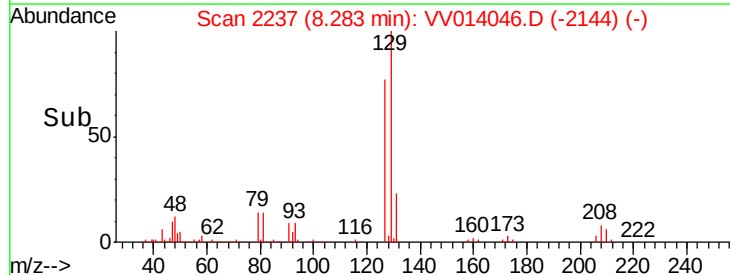
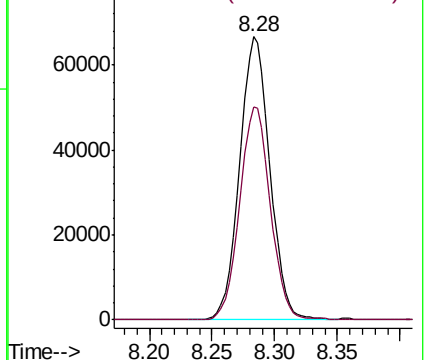


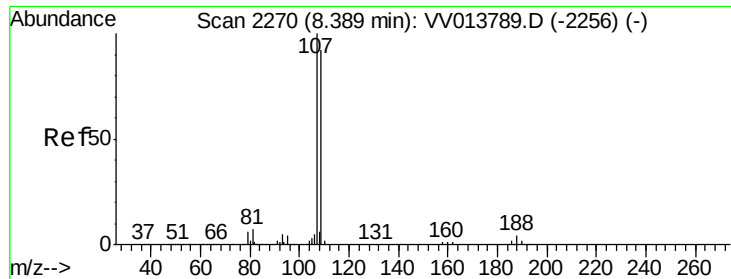
#49
Dibromochloromethane
Concen: 5.005 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Tgt Ion: 129 Resp: 111739
Ion Ratio Lower Upper
129 100
127 75.4 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014046.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV014046.D (-2144) (-)

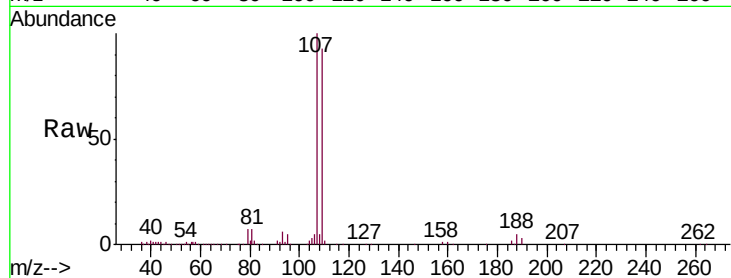




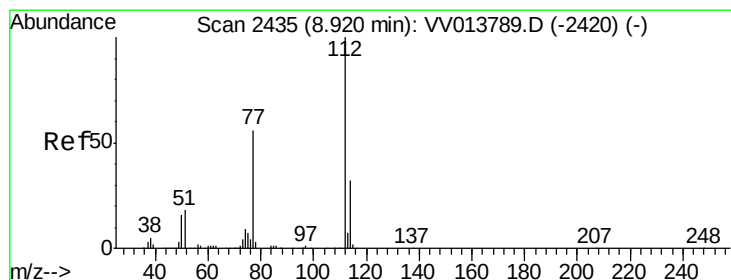
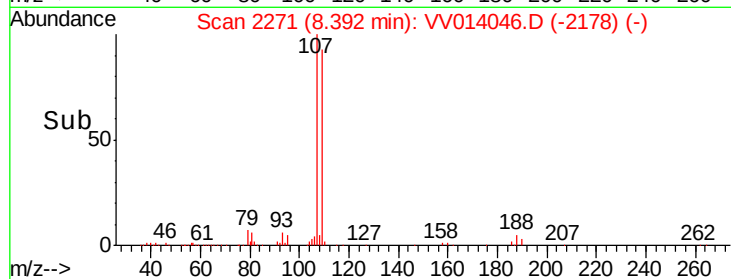
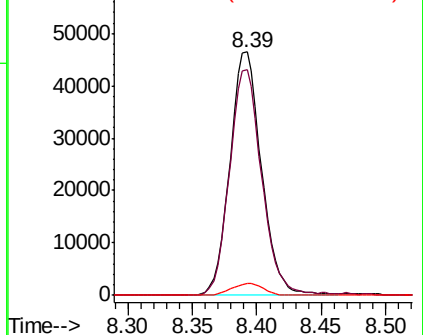
#50
 1,2-Dibromoethane
 Concen: 5.026 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB41

Tgt Ion:107 Resp: 79241
 Ion Ratio Lower Upper
 107 100
 109 92.8 65.2 121.0
 188 4.7 4.2 6.2

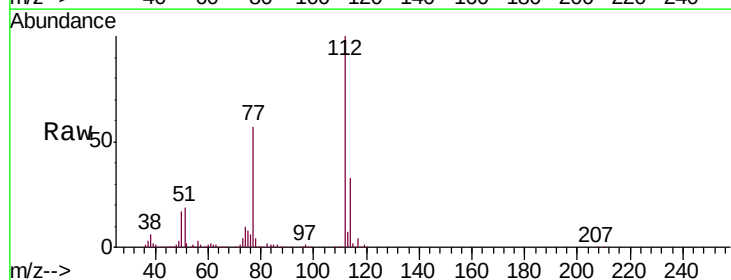


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

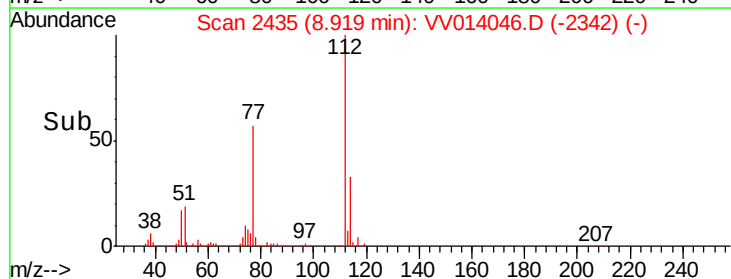
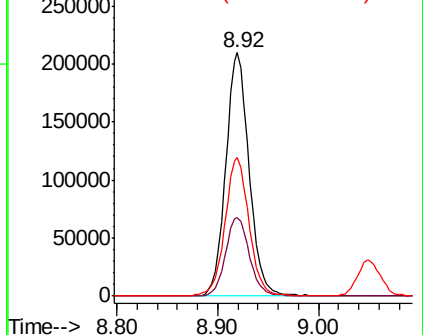


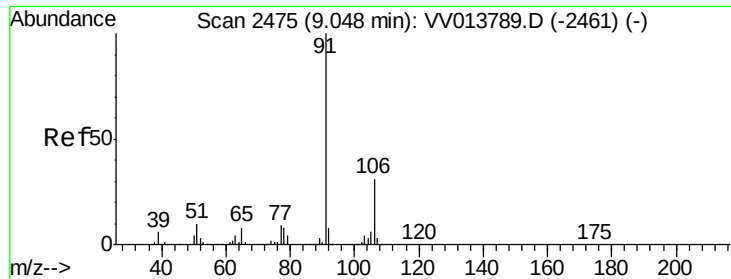
#51
 Chlorobenzene
 Concen: 4.777 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Tgt Ion:112 Resp: 338852
 Ion Ratio Lower Upper
 112 100
 114 32.5 21.8 40.6
 77 56.8 44.2 66.4



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





#52

Ethylbenzene

Concen: 4.780 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

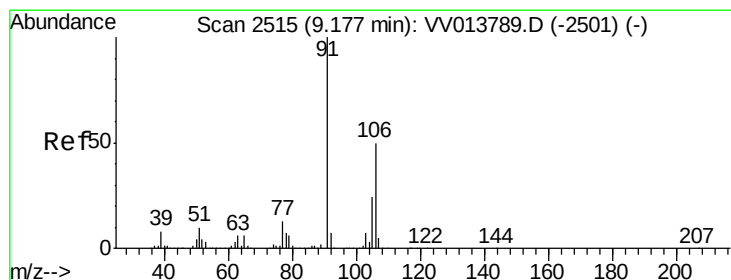
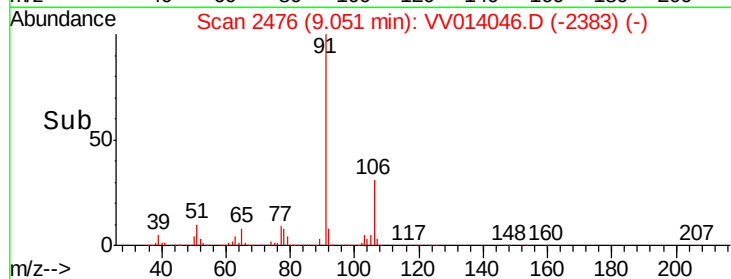
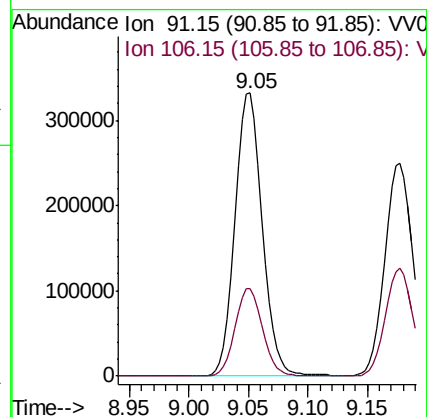
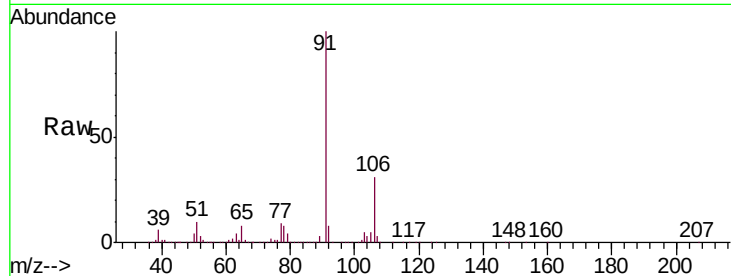
BFB41

Tgt Ion: 91 Resp: 529424

Ion Ratio Lower Upper

91 100

106 30.7 22.1 41.1



#53

m,p-xylene

Concen: 4.861 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014046.D

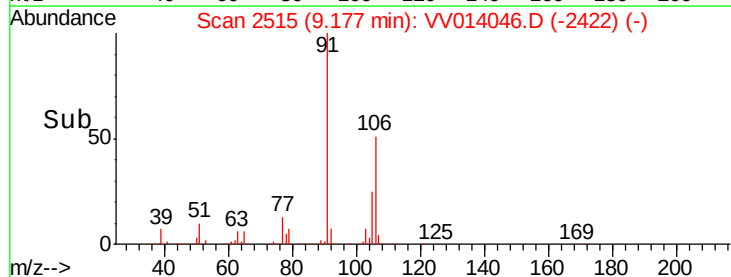
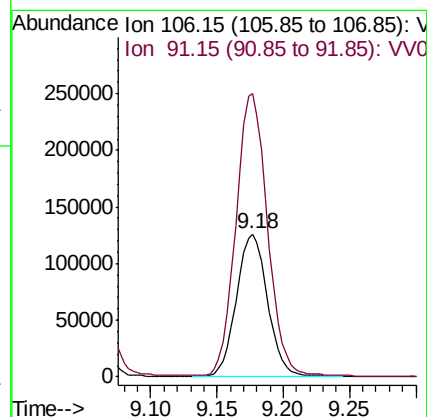
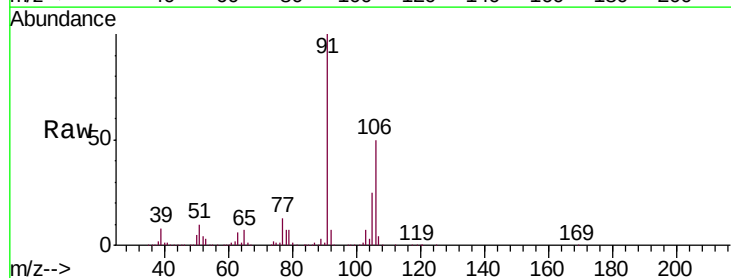
Acq: 13 Dec 2019 10:59

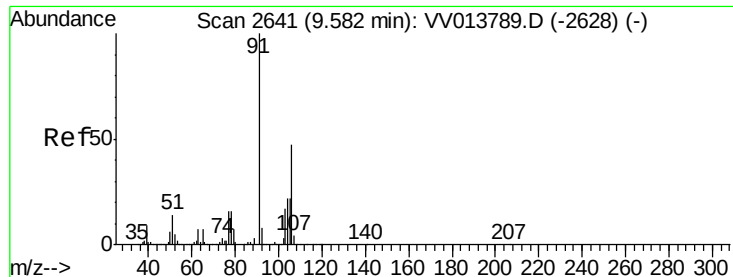
Tgt Ion: 106 Resp: 205220

Ion Ratio Lower Upper

106 100

91 198.3 139.9 259.9

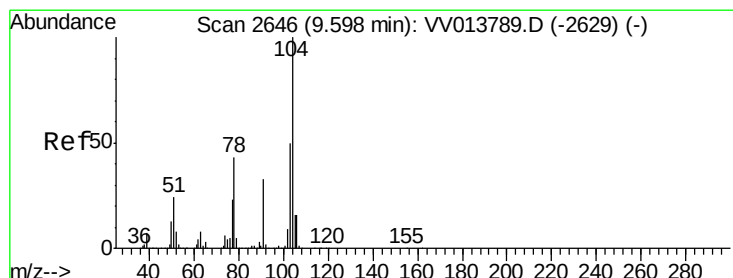
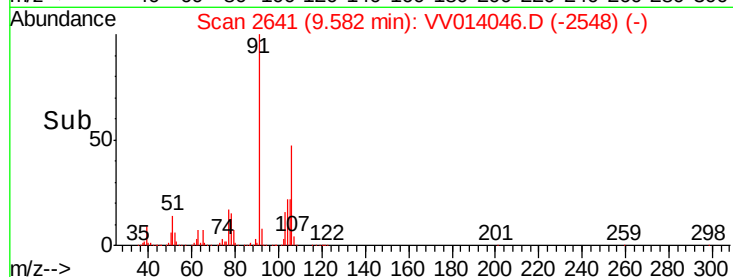
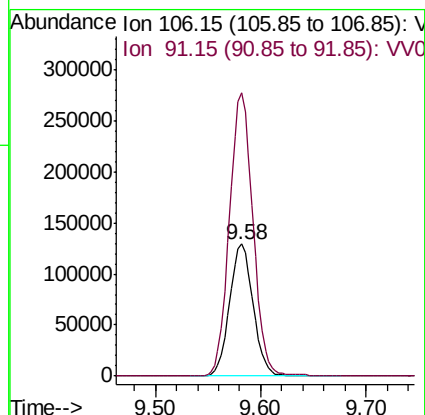
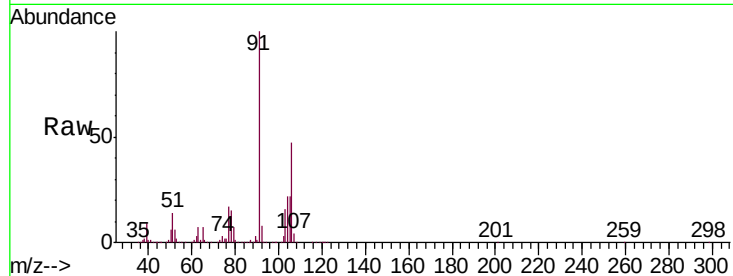




#54
o-xylene
Concen: 4.853 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

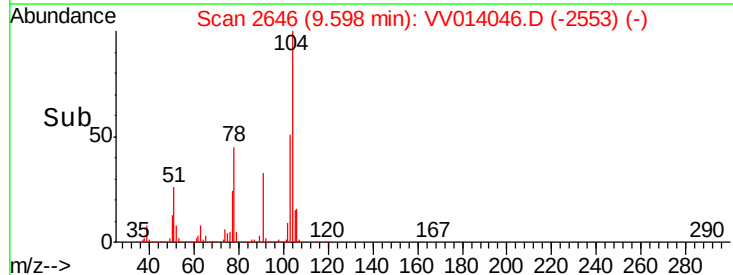
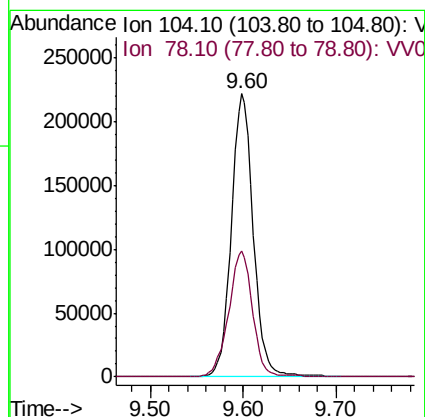
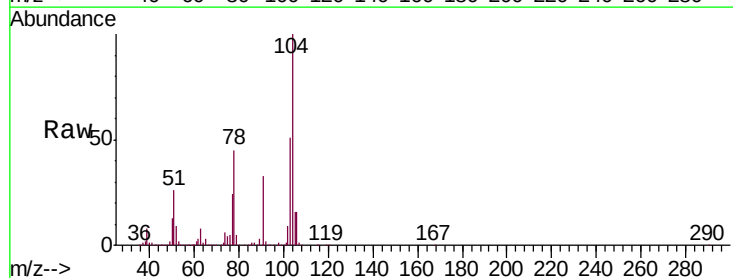
Instrument :
MSVOA_V
ClientSampleId :
BFB41

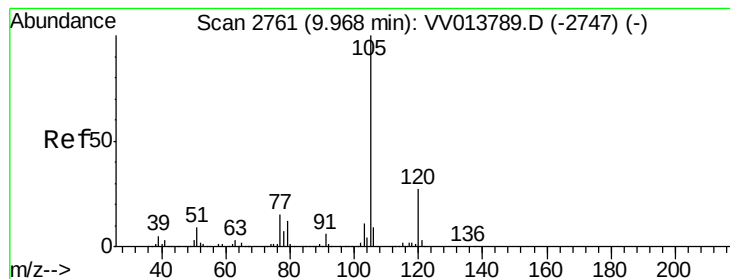
Tgt Ion:106 Resp: 200032
Ion Ratio Lower Upper
106 100
91 214.0 145.5 270.3



#55
Styrene
Concen: 5.122 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014046.D
Acq: 13 Dec 2019 10:59

Tgt Ion:104 Resp: 364537
Ion Ratio Lower Upper
104 100
78 44.7 31.0 57.6





#56

Isopropylbenzene

Concen: 4.777 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

BFB41

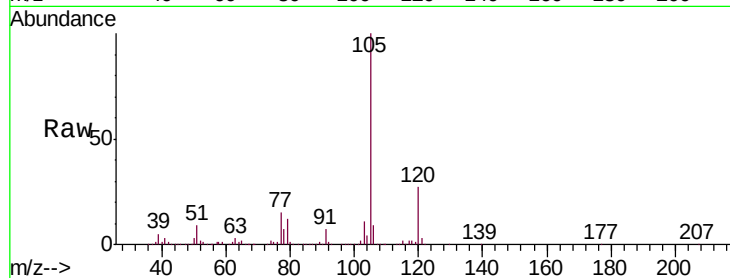
Tgt Ion: 105 Resp: 536629

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

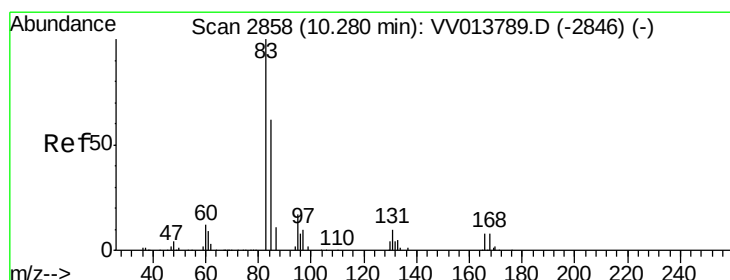
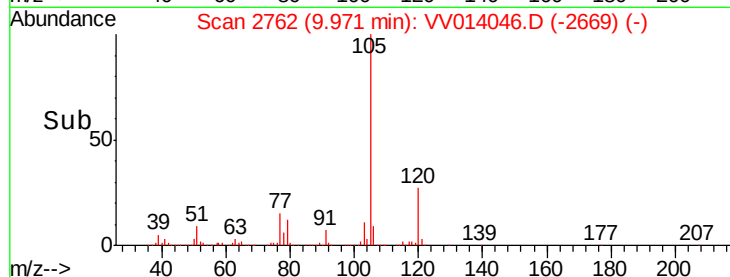
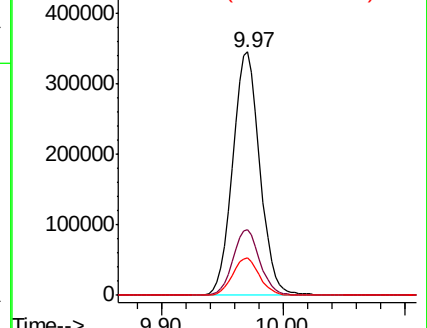
77 15.2 12.1 18.1



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: 4.854 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

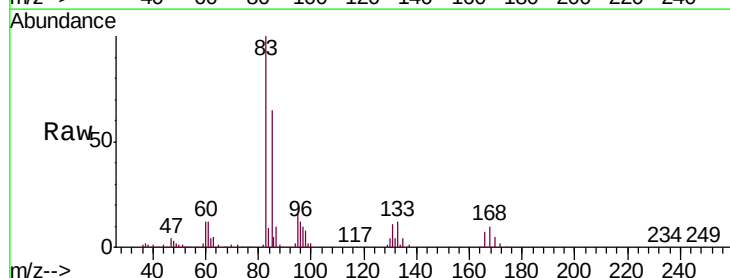
Tgt Ion: 83 Resp: 92841

Ion Ratio Lower Upper

83 100

85 65.4 45.1 83.7

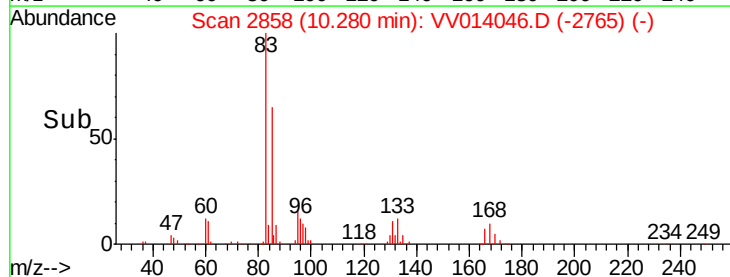
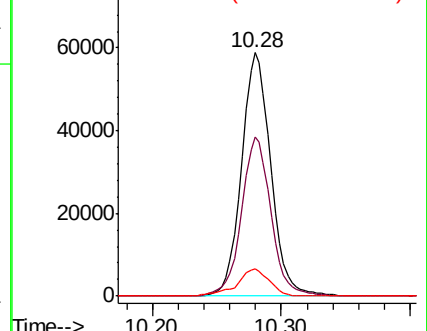
131 11.0 9.3 13.9

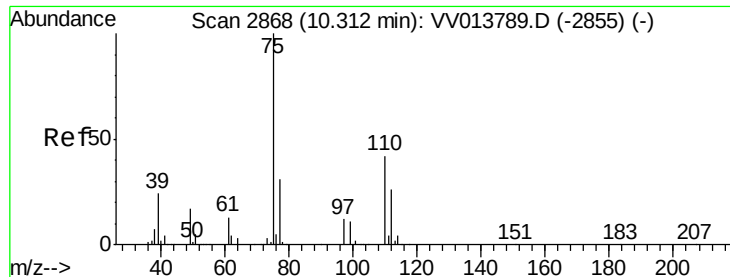


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.011 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

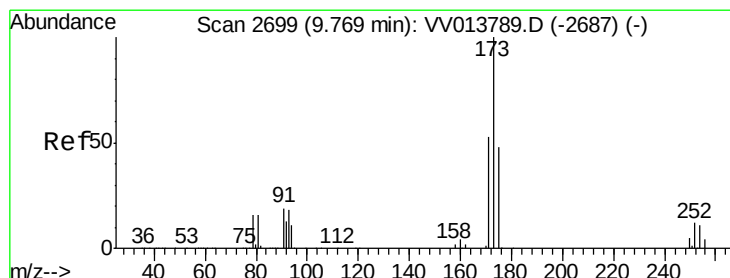
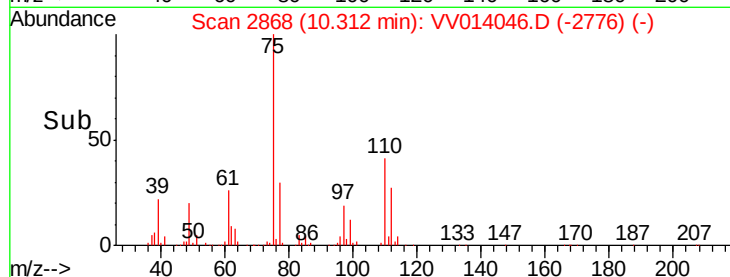
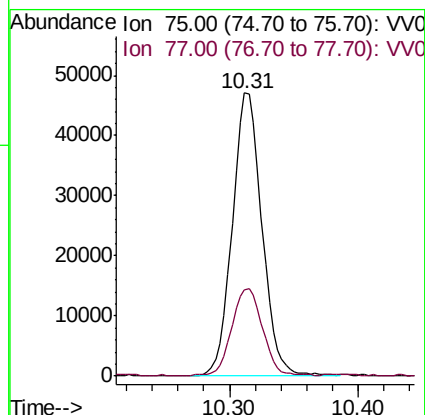
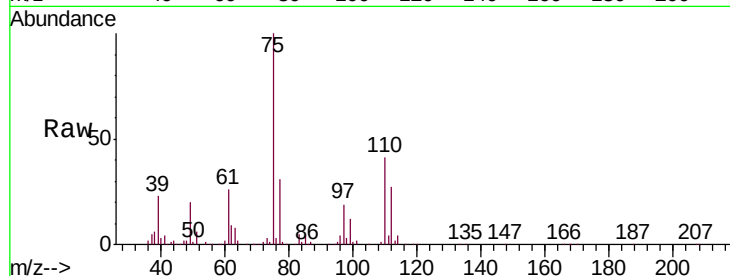
BFB41

Tgt Ion: 75 Resp: 75144

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 4.926 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

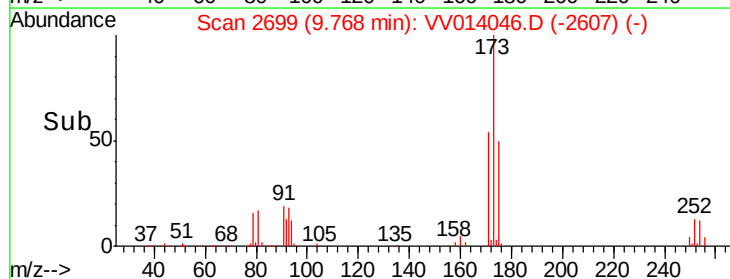
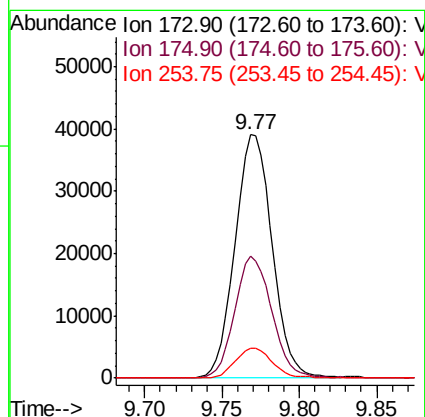
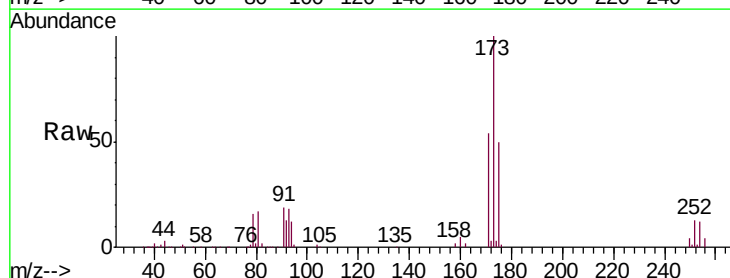
Tgt Ion: 173 Resp: 65246

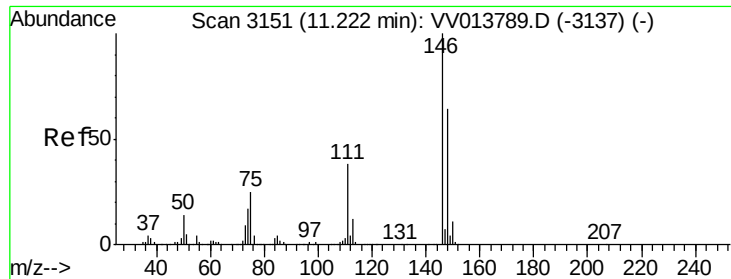
Ion Ratio Lower Upper

173 100

175 49.8 39.1 58.7

254 12.2 10.4 15.6

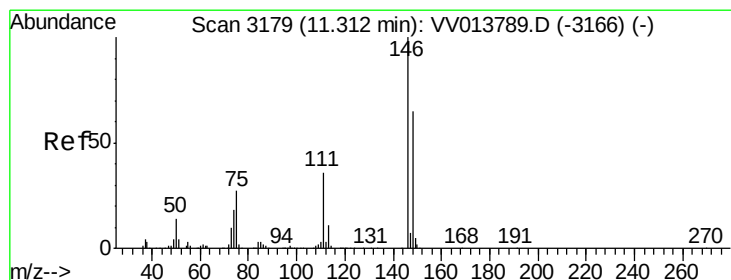
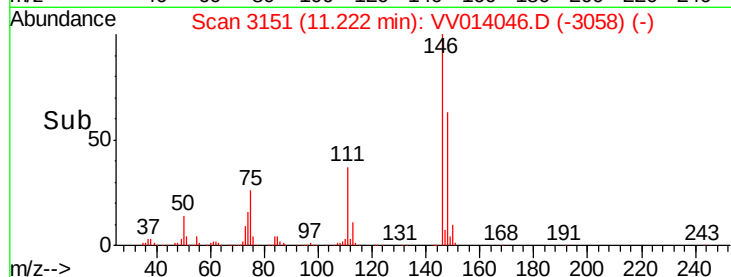
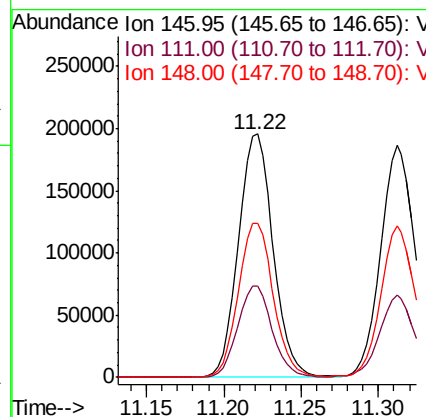
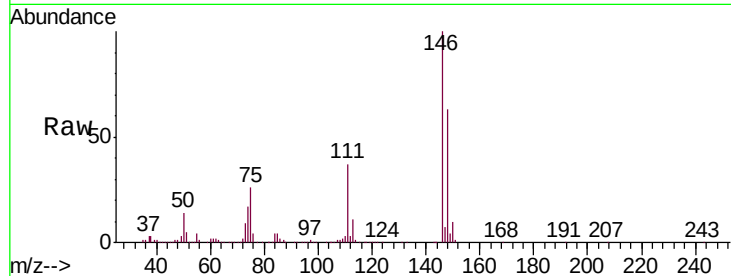




#62
 1,3-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

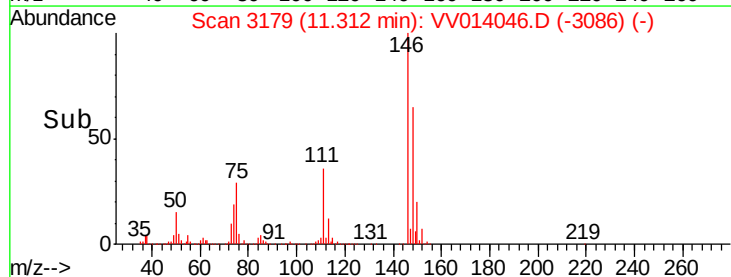
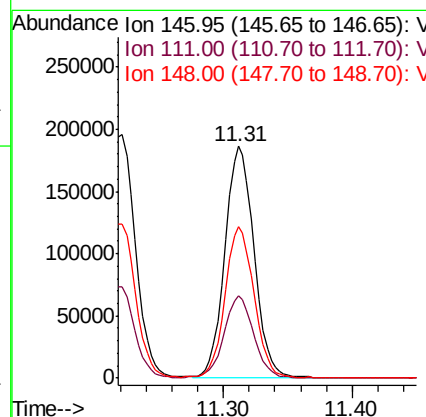
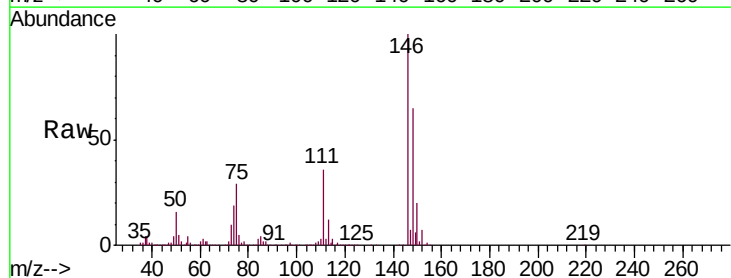
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB41

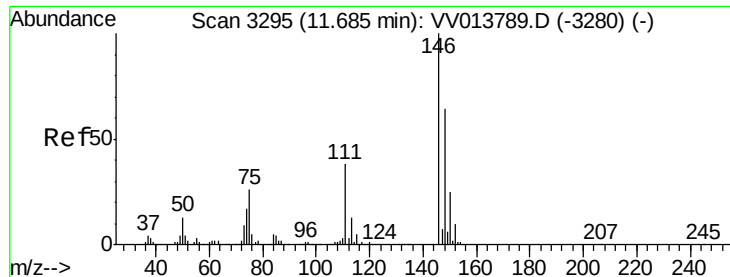
Tgt Ion:146 Resp: 305073
 Ion Ratio Lower Upper
 146 100
 111 37.3 25.6 47.6
 148 63.4 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.683 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Tgt Ion:146 Resp: 291444
 Ion Ratio Lower Upper
 146 100
 111 35.5 25.0 46.4
 148 65.4 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 4.850 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

BFB41

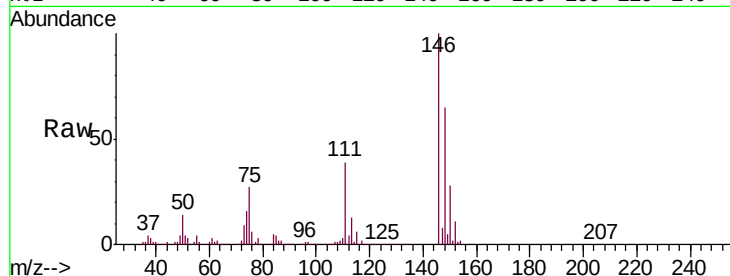
Tgt Ion:146 Resp: 275249

Ion Ratio Lower Upper

146 100

111 39.4 31.3 46.9

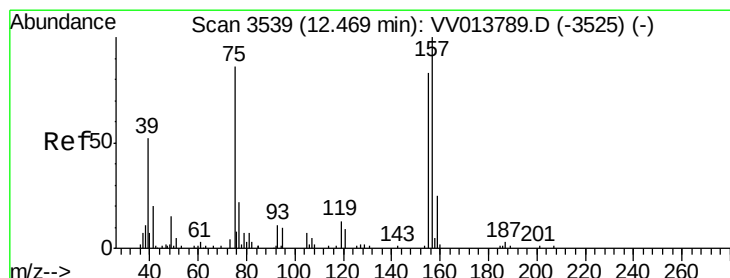
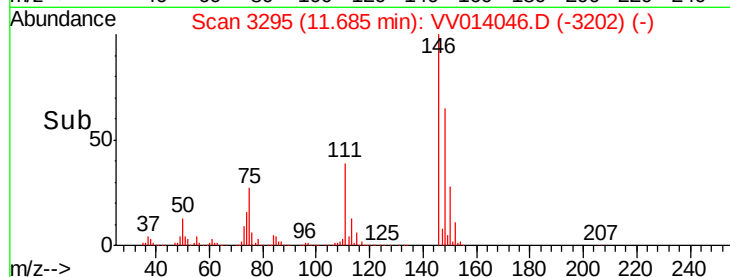
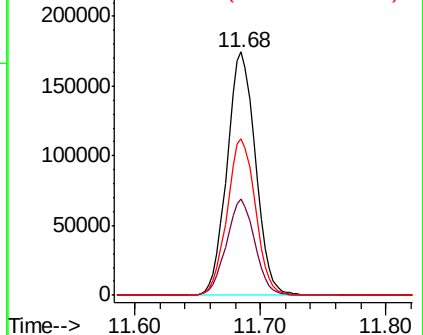
148 64.6 52.2 78.2



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: 4.162 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

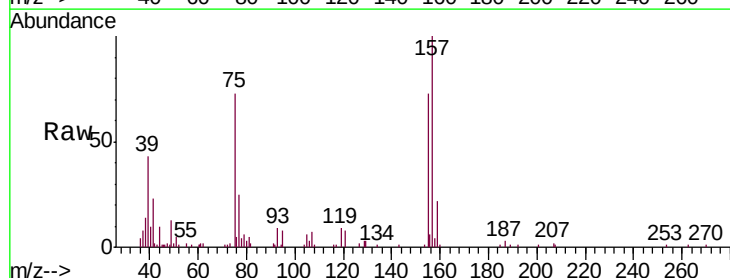
Tgt Ion: 75 Resp: 13727

Ion Ratio Lower Upper

75 100

155 99.6 73.4 110.0

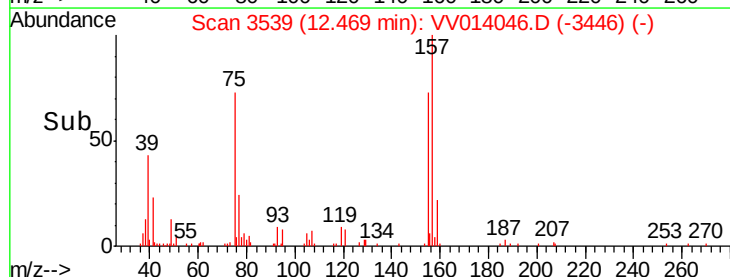
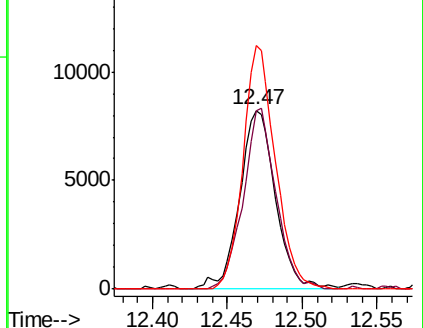
157 136.4 98.7 148.1

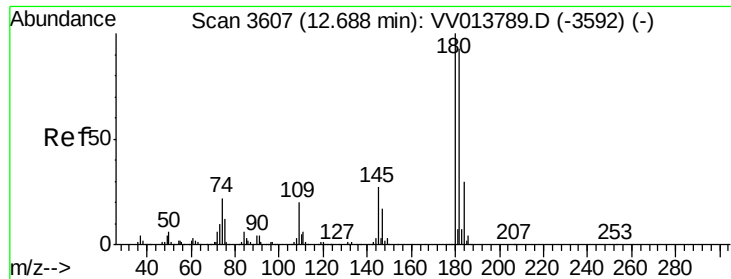


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

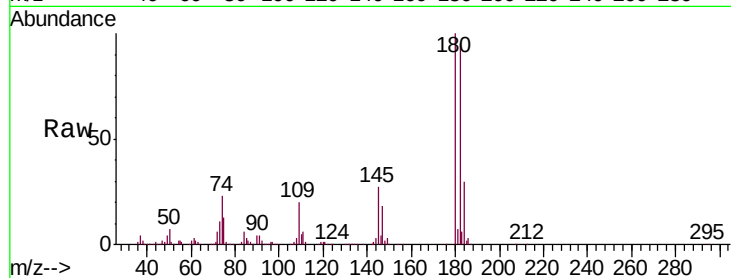




#67
 1,3,5-Trichlorobenzene
 Concen: 4.696 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB41

Tgt Ion:	180	Resp:	242549
Ion Ratio	Lower	Upper	
180	100		
182	94.4	74.8	112.2
184	30.0	23.2	34.8
145	26.6	21.3	31.9



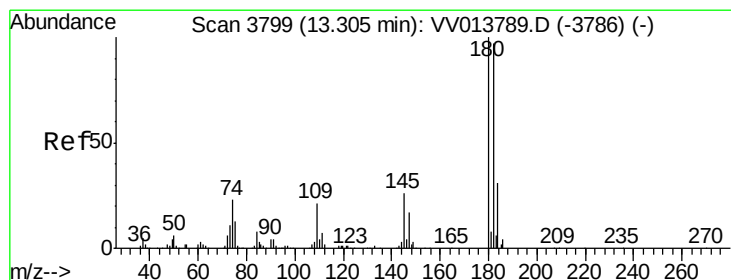
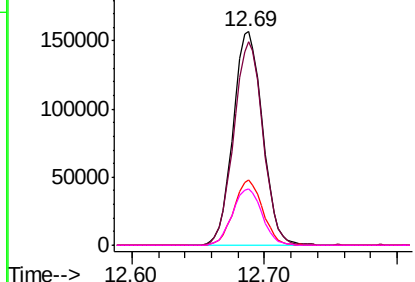
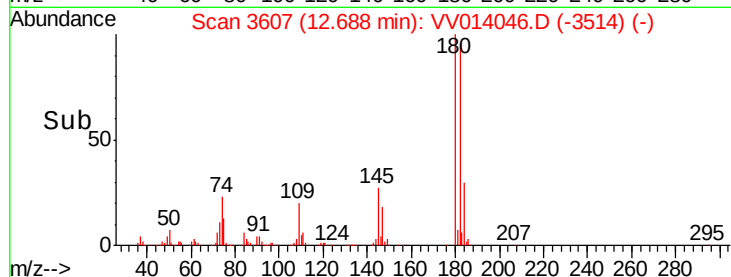
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

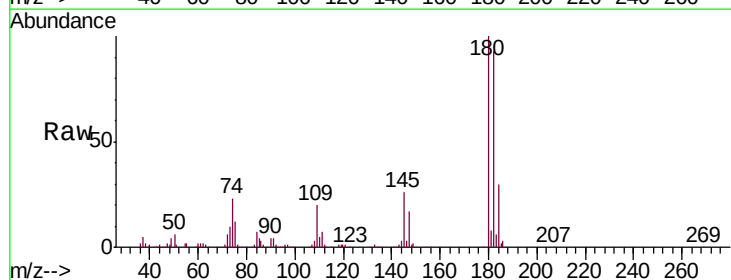
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.294 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014046.D
 Acq: 13 Dec 2019 10:59

Tgt Ion:	180	Resp:	181895
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.2	114.4
145	26.7	21.0	31.6

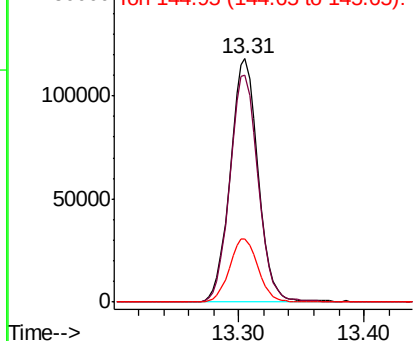
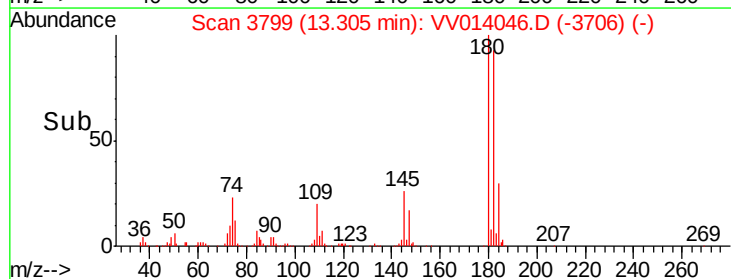


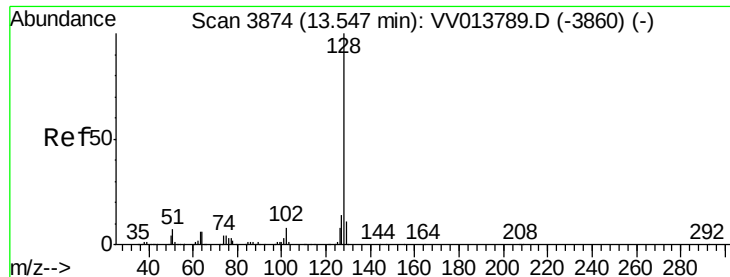
Abundance

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: 3.741 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

BFB41

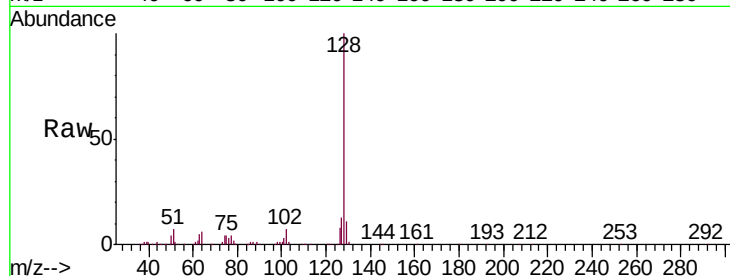
Tgt Ion:128 Resp: 215764

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

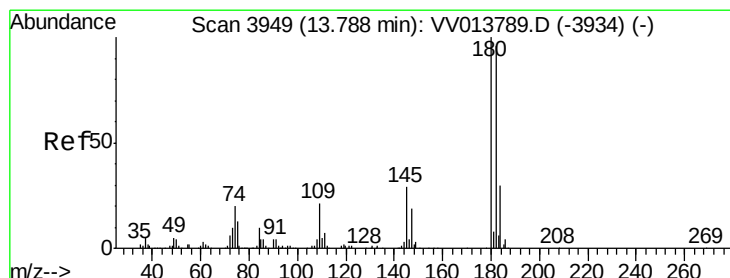
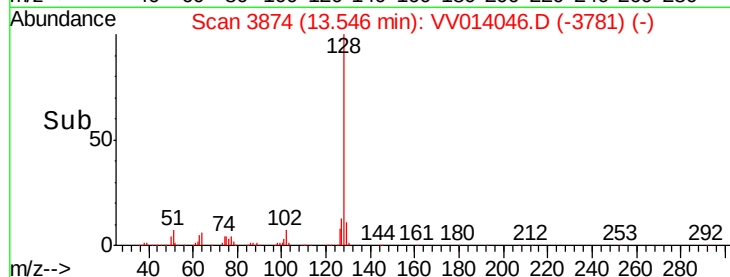
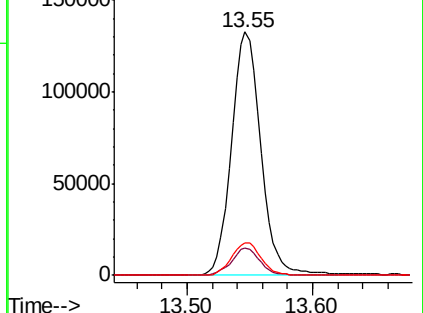
127 13.5 10.6 16.0



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: 4.401 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014046.D

Acq: 13 Dec 2019 10:59

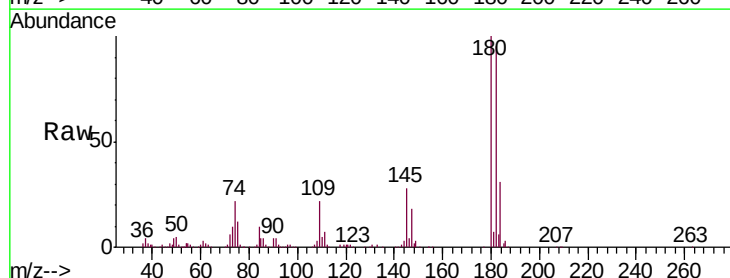
Tgt Ion:180 Resp: 169821

Ion Ratio Lower Upper

180 100

182 96.4 78.5 117.7

145 28.8 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

