

Data File : VV011948.D
Acq On : 22 Jul 2019 14:57
Operator : SY/MD
Sample : VSTD0.531
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Quant Time: Jul 23 06:54:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 06:51:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141347	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131722	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	65613	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3672	0.37	ug/L	0.00
7) Chloroethane-d5	1.58	69	2884	0.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	6910	0.41	ug/L	0.00
20) 2-Butanone-d5	3.97	46	9018	3.53	ug/L	0.00
24) Chloroform-d	4.40	84	9394	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	4983	0.47	ug/L	0.00
32) Benzene-d6	5.10	84	17588	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5250	0.45	ug/L	0.00
41) Toluene-d8	7.36	98	15660	0.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	1917	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	7264	4.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3803	0.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	6406	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7304	0.500 ug/L	94
3) Chloromethane	1.25	50	4335	0.335 ug/L	96
5) Vinyl chloride	1.32	62	4301	0.342 ug/L	95
6) Bromomethane	1.54	94	2383	0.322 ug/L	83
8) Chloroethane	1.60	64	2968	0.416 ug/L	85
9) Trichlorofluoromethane	1.77	101	7703	0.457 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3685	0.462 ug/L	99
12) 1,1-Dichloroethene	2.14	96	3058	0.417 ug/L	94
13) Acetone	2.22	43	6699	5.111 ug/L	97
14) Carbon disulfide	2.32	76	9372	0.448 ug/L	98
15) Methyl Acetate	2.46	43	1549	0.574 ug/L #	64
16) Methylene chloride	2.54	84	4671	0.603 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	10143	0.446 ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	4982	0.474 ug/L	94
19) 1,1-Dichloroethane	3.23	63	8477	0.430 ug/L	98
21) 2-Butanone	4.06	43	8831	3.477 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	5211	0.475 ug/L	100
23) Bromochloromethane	4.30	128	2124	0.473 ug/L #	78
25) Chloroform	4.42	83	11909	0.552 ug/L	96
27) 1,2-Dichloroethane	5.18	62	5832	0.464 ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	8088	0.493 ug/L	98
30) Cyclohexane	4.73	56	8067	0.478 ug/L	96
31) Carbon tetrachloride	4.88	117	7116	0.493 ug/L	99
33) Benzene	5.15	78	18824	0.461 ug/L	100
34) Trichloroethene	5.96	95	5431	0.478 ug/L	96
35) Methylcyclohexane	6.17	83	8184	0.474 ug/L	96
37) 1,2-Dichloropropane	6.22	63	4719	0.483 ug/L #	90
38) Bromodichloromethane	6.56	83	6108	0.492 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	6067	0.441 ug/L	87
40) 4-Methyl-2-pentanone	7.28	43	22841	3.903 ug/L	98

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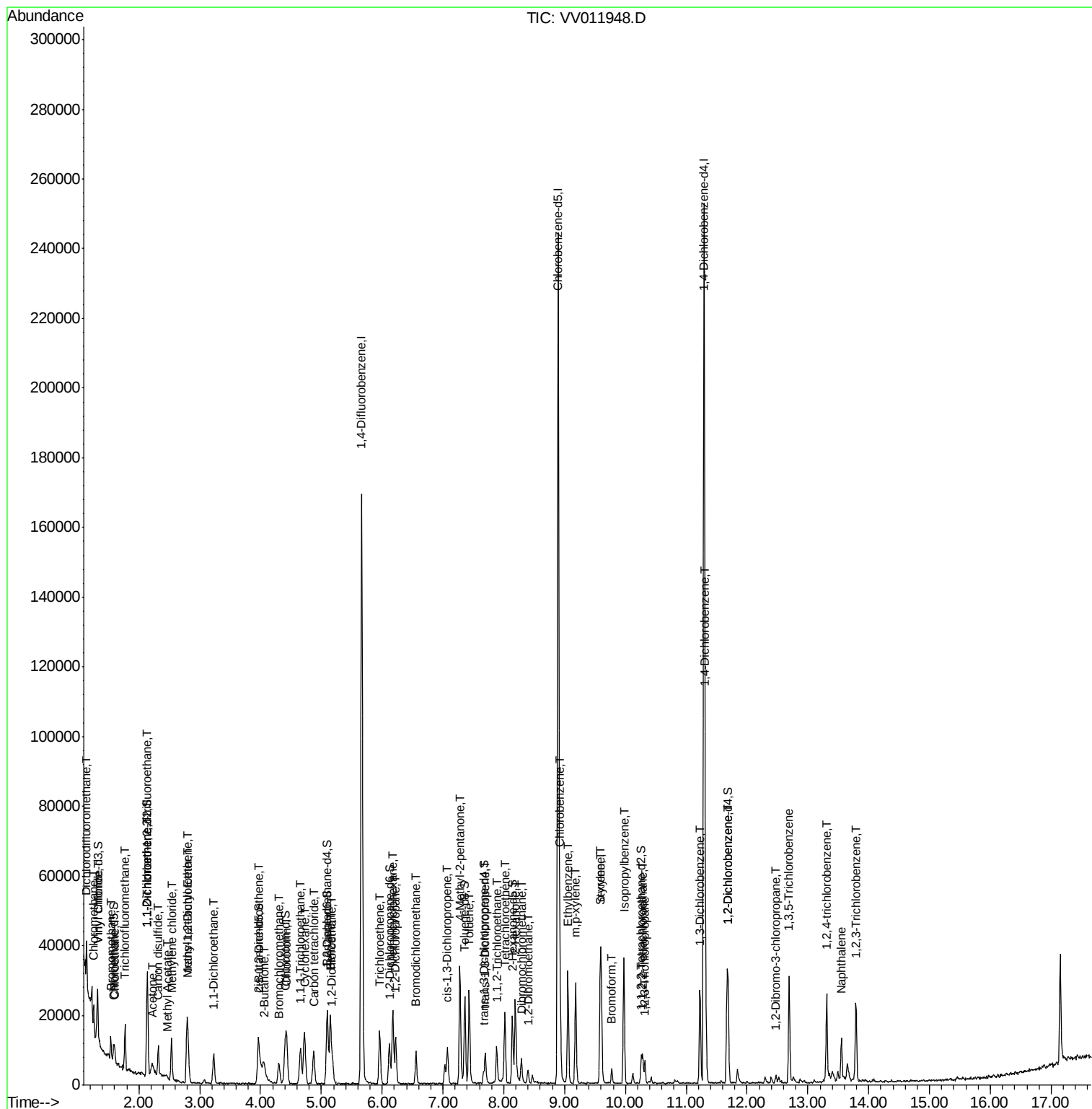
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	18925	0.441	ug/L	94
44) trans-1,3-Dichloropropene	7.70	75	5064	0.462	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	3200	0.472	ug/L	95
47) Tetrachloroethene	8.02	164	4808	0.558	ug/L	94
48) 2-Hexanone	8.19	43	15408	3.687	ug/L	98
49) Dibromochloromethane	8.29	129	3460	0.460	ug/L	98
50) 1,2-Dibromoethane	8.40	107	2766	0.443	ug/L #	86
51) Chlorobenzene	8.93	112	13059	0.477	ug/L	96
52) Ethylbenzene	9.05	91	21372	0.449	ug/L	98
53) m,p-xylene	9.18	106	8125	0.456	ug/L	97
54) o-xylene	9.59	106	7938	0.479	ug/L	86
55) Styrene	9.60	104	13021	0.462	ug/L	98
56) Isopropylbenzene	9.97	105	22003	0.480	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	3384	0.515	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2613	0.440	ug/L	96
61) Bromoform	9.78	173	1976	0.519	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	10951	0.511	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	11490	0.523	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	9795	0.491	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	540	0.478	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	9221	0.545	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	7099	0.529	ug/L	100
69) Naphthalene	13.55	128	10341	0.503	ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	6493	0.535	ug/L	99

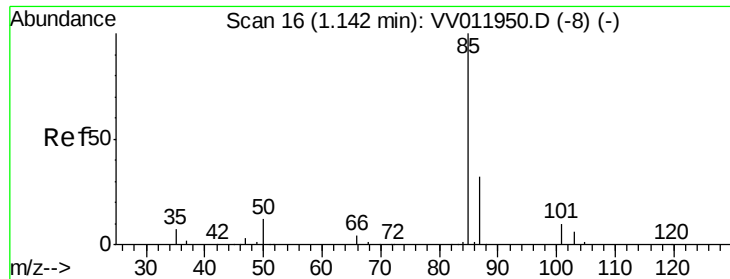
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.500 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

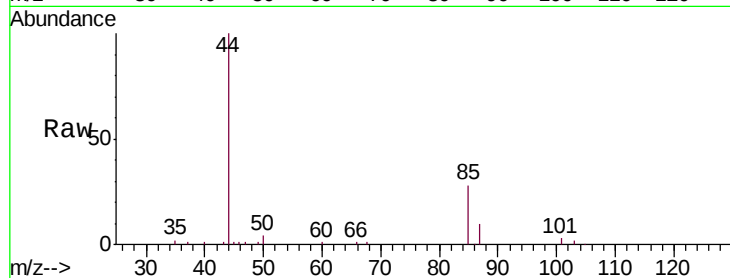
VSTD0.531

Tgt Ion: 85 Resp: 7304

Ion Ratio Lower Upper

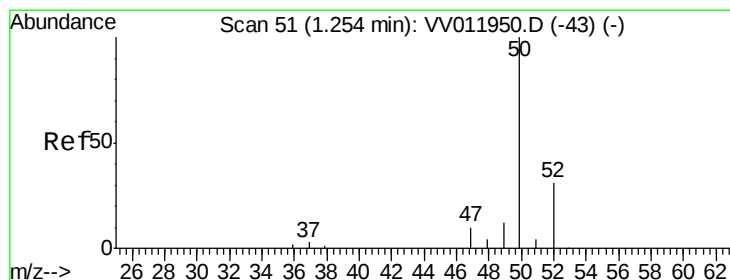
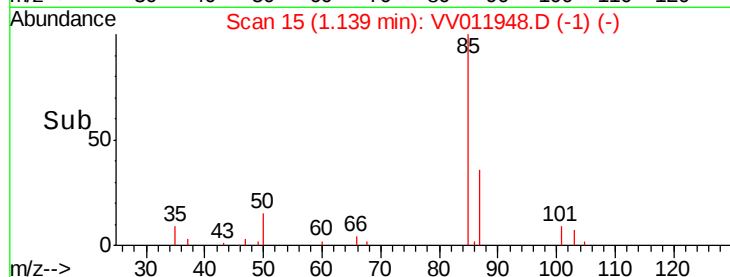
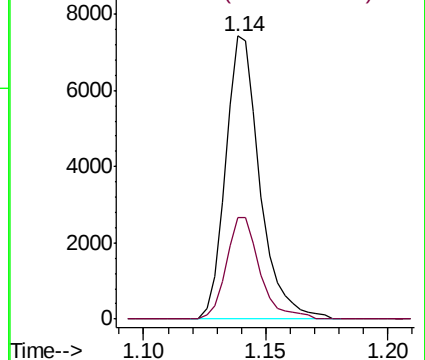
85 100

87 35.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV011950.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV011950.D (-8) (-)



#3

Chloromethane

Concen: 0.335 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011948.D

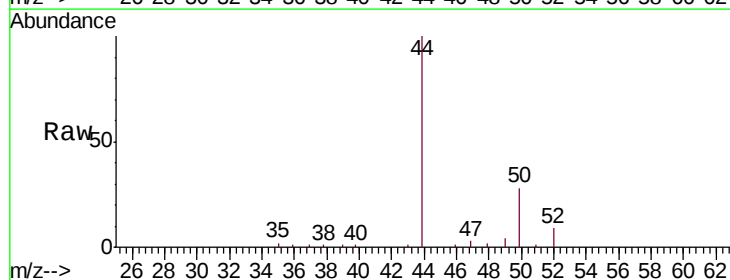
Acq: 22 Jul 2019 14:57

Tgt Ion: 50 Resp: 4335

Ion Ratio Lower Upper

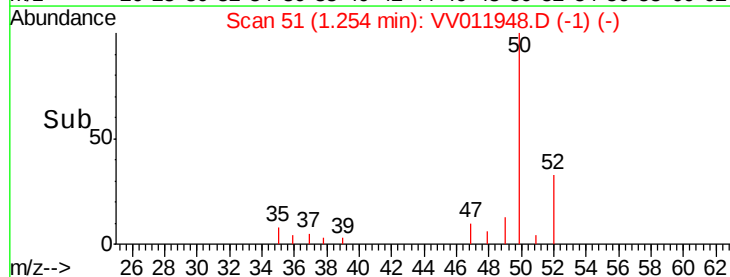
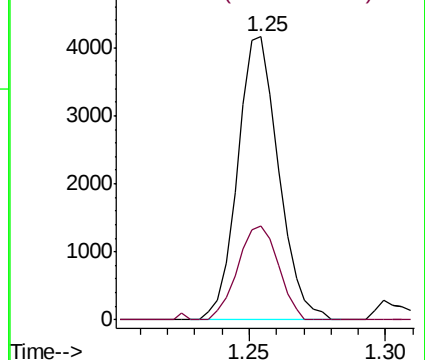
50 100

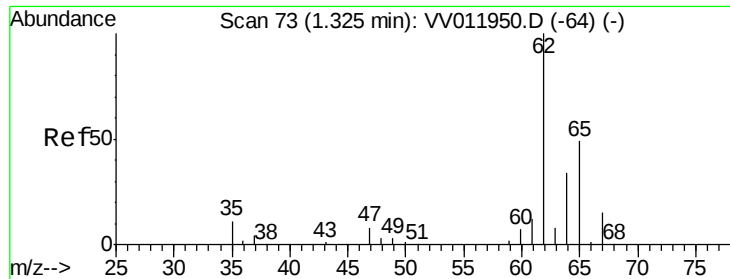
52 33.4 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV011950.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV011950.D (-43) (-)





#5

Vinyl chloride

Concen: 0.342 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

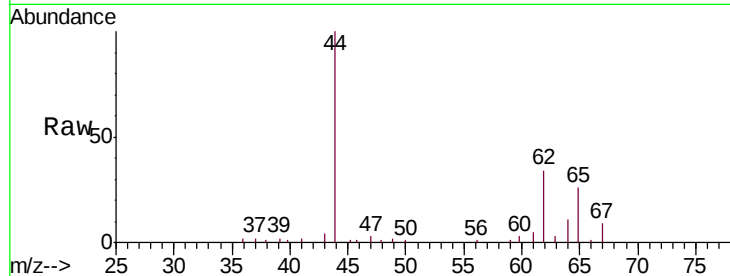
VSTD0.531

Tgt Ion: 62 Resp: 4301

Ion Ratio Lower Upper

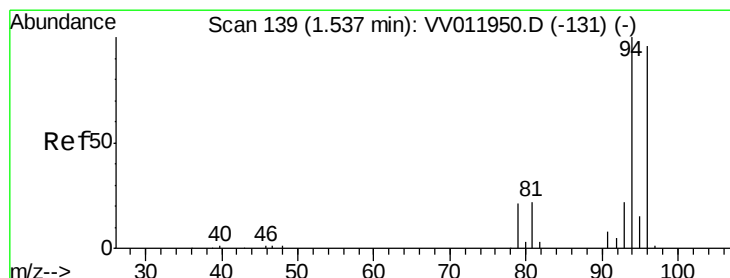
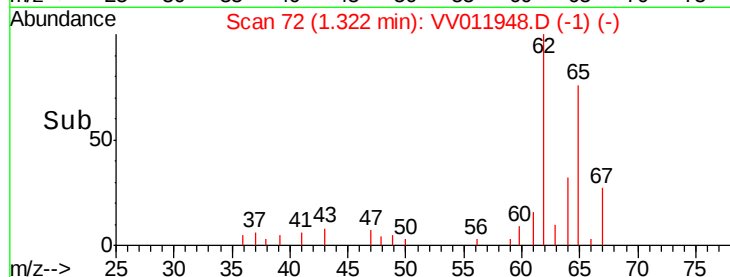
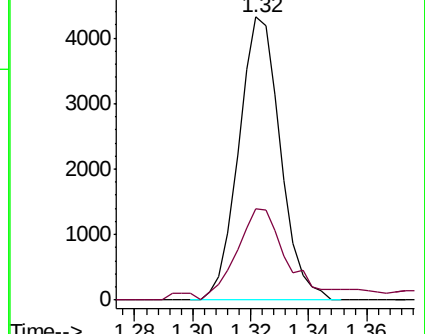
62 100

64 32.1 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV011950.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV011950.D (-64) (-)



#6

Bromomethane

Concen: 0.322 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011948.D

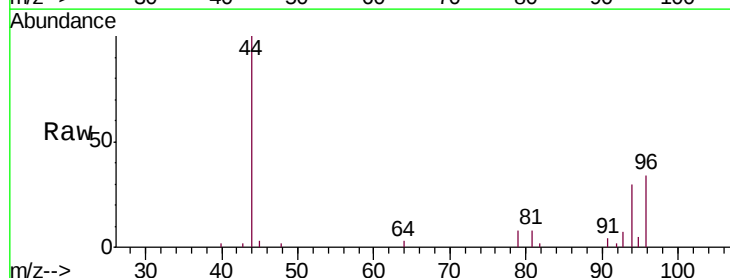
Acq: 22 Jul 2019 14:57

Tgt Ion: 94 Resp: 2383

Ion Ratio Lower Upper

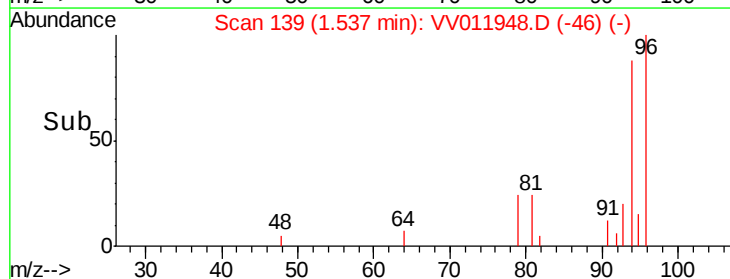
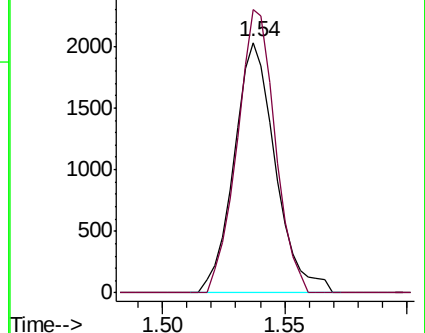
94 100

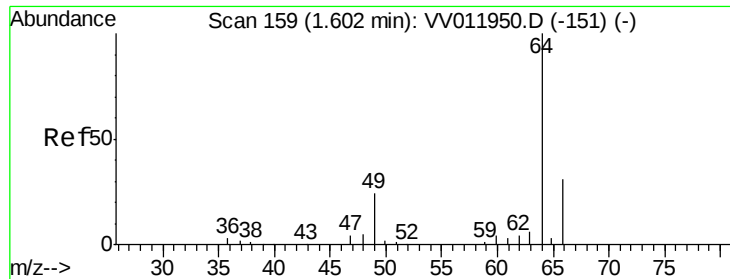
96 113.2 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV011950.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV011950.D (-131) (-)





#8

Chloroethane

Concen: 0.416 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

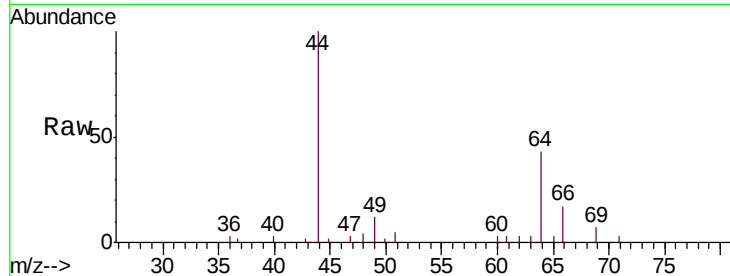
VSTD0.531

Tgt Ion: 64 Resp: 2968

Ion Ratio Lower Upper

64 100

66 39.4 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011950.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV011950.D (-151) (-)

1.60

2500

2000

1500

1000

500

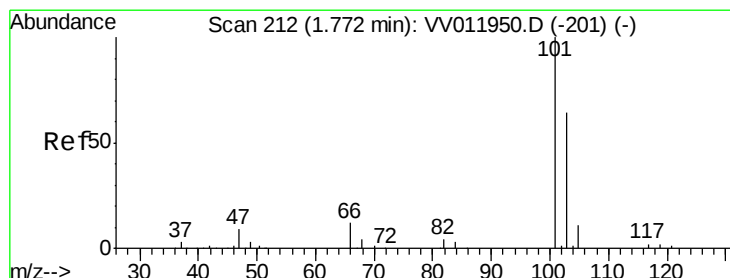
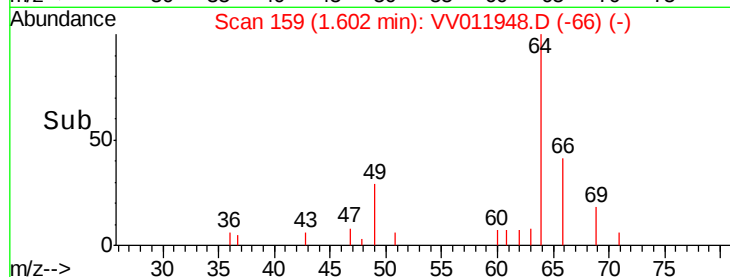
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.457 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV011948.D

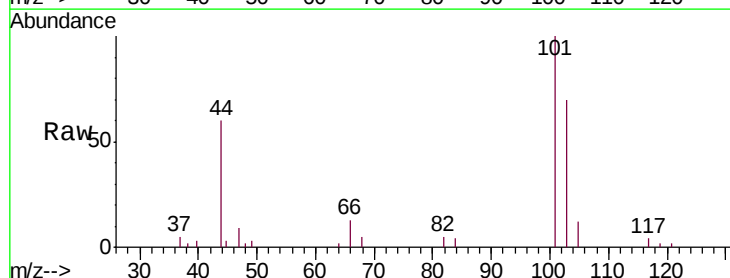
Acq: 22 Jul 2019 14:57

Tgt Ion: 101 Resp: 7703

Ion Ratio Lower Upper

101 100

103 66.5 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011950.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011950.D (-201) (-)

1.77

6000

4000

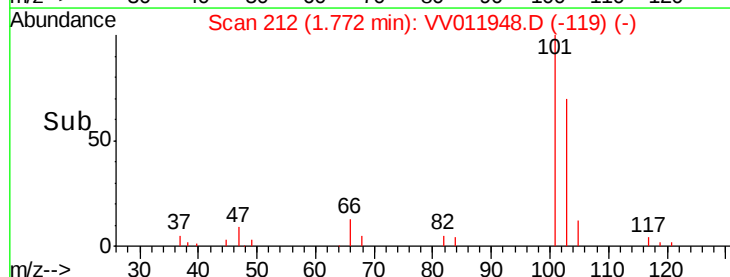
2000

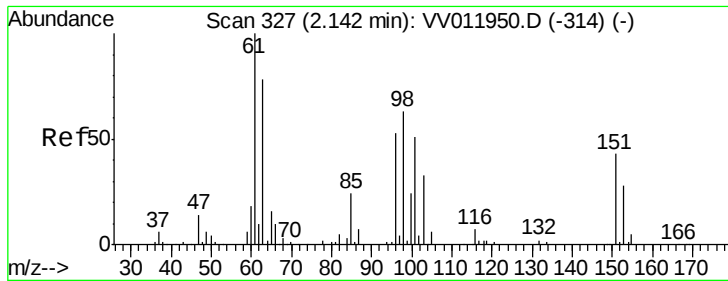
0

1.75

1.80

Time-->





#10

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

Concen: 0.462 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

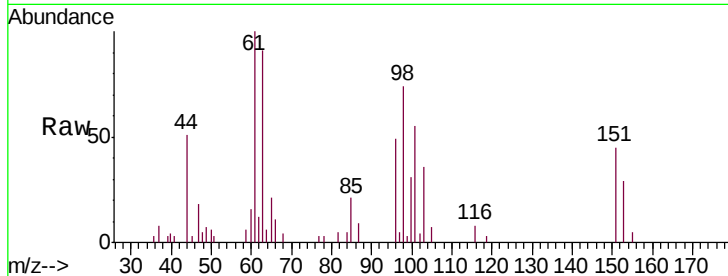
Tgt Ion: 101 Resp: 3685

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

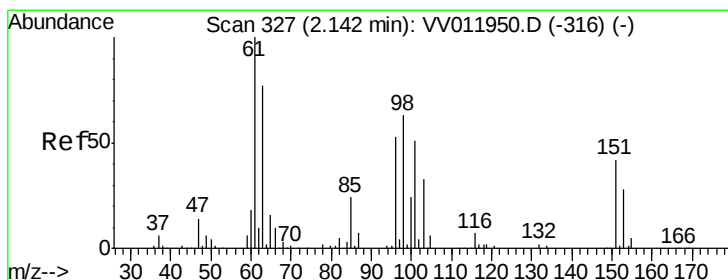
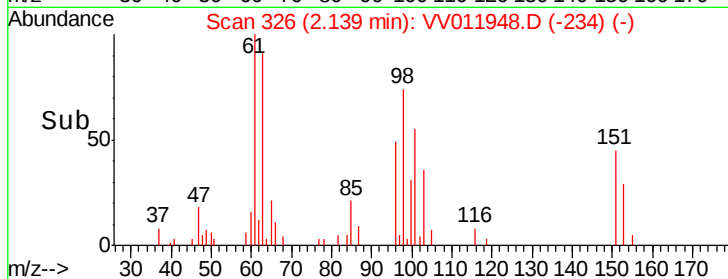
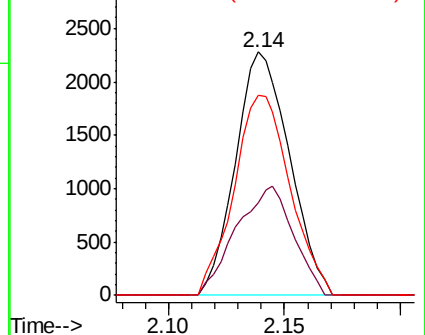
151 85.4 68.3 102.5



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: 0.417 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

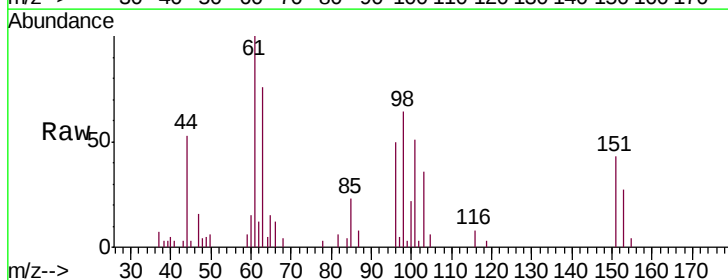
Tgt Ion: 96 Resp: 3058

Ion Ratio Lower Upper

96 100

61 202.0 132.7 246.5

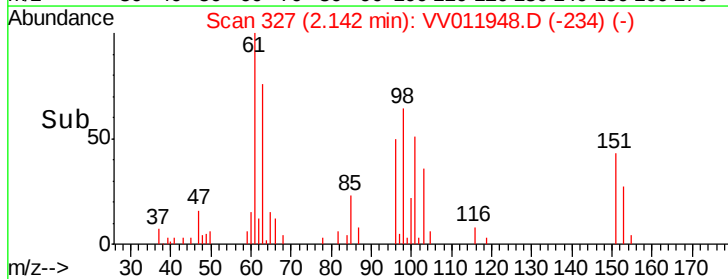
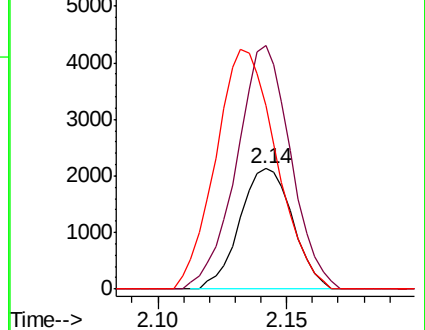
63 152.5 104.0 193.1

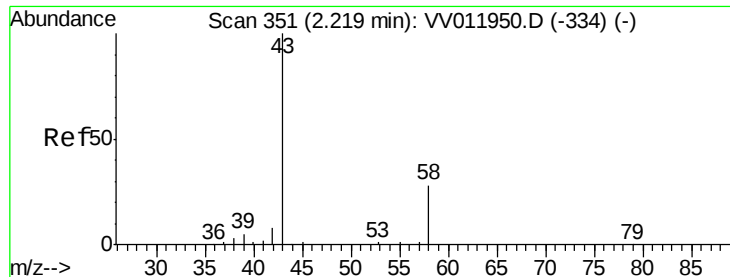


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.111 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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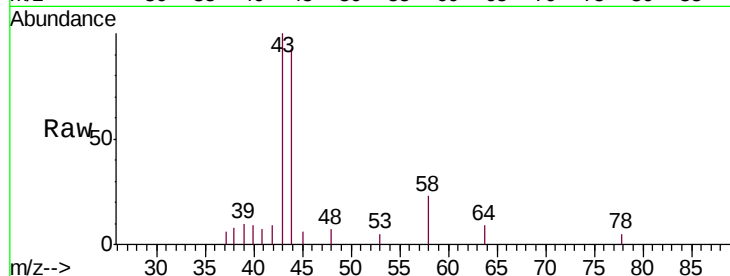
VSTD0.531

Tgt Ion: 43 Resp: 6699

Ion Ratio Lower Upper

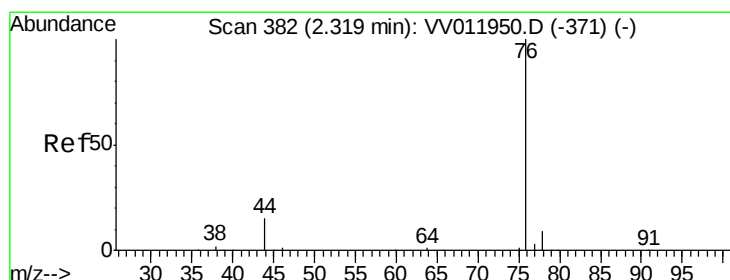
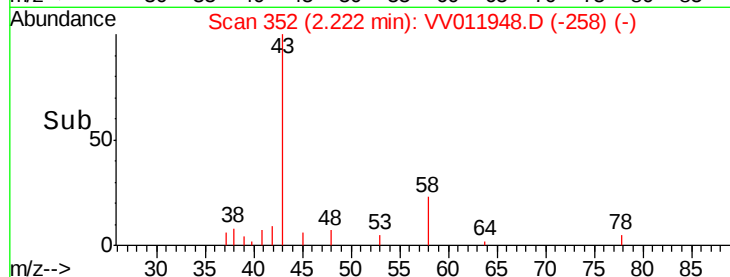
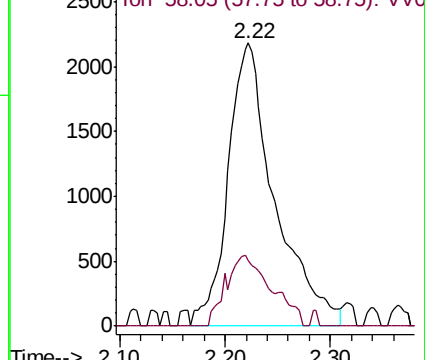
43 100

58 24.4 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011950.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011950.D (-334) (-)



#14

Carbon disulfide

Concen: 0.448 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV011948.D

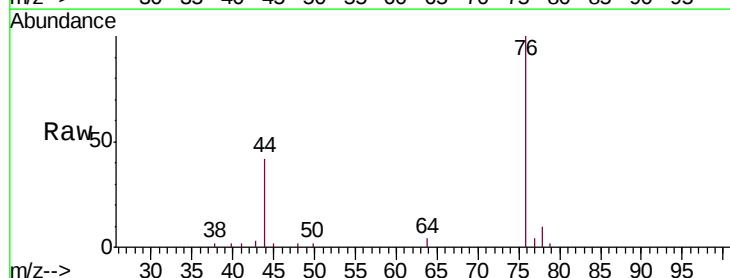
Acq: 22 Jul 2019 14:57

Tgt Ion: 76 Resp: 9372

Ion Ratio Lower Upper

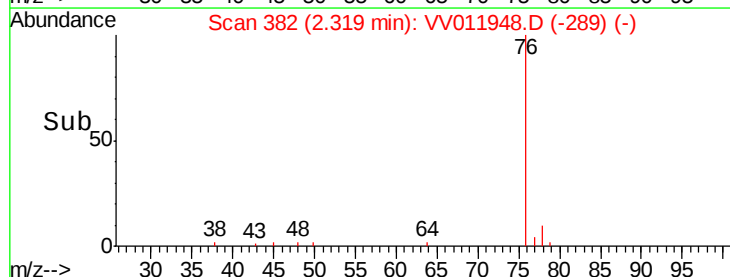
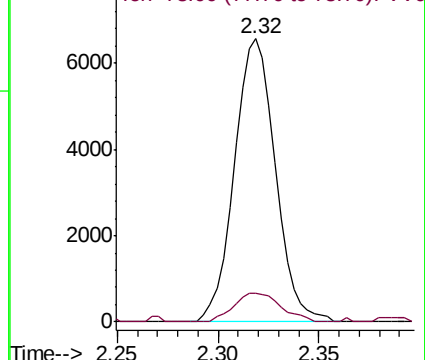
76 100

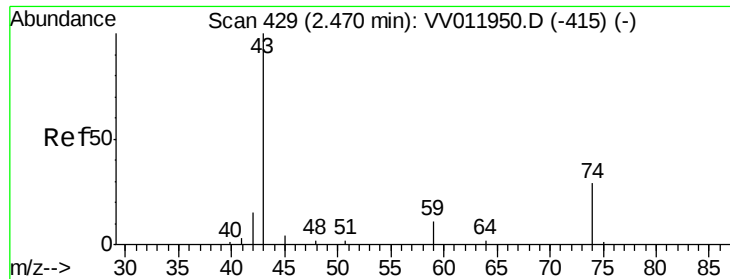
78 10.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011950.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV011950.D (-371) (-)





#15

Methyl Acetate

Concen: 0.574 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

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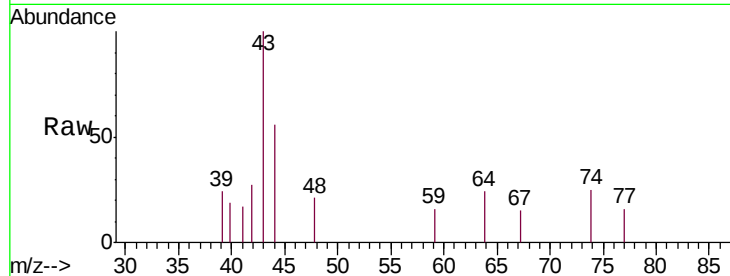
VSTD0.531

Tgt Ion: 43 Resp: 1549

Ion Ratio Lower Upper

43 100

74 10.1 23.4 35.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

600

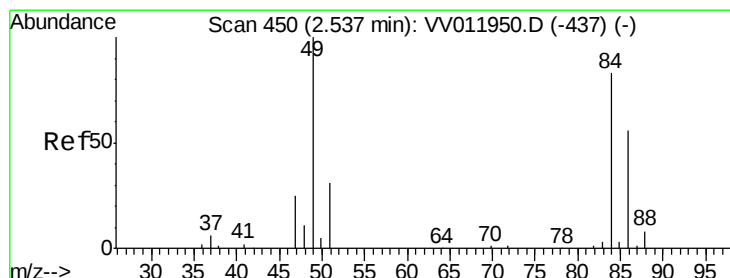
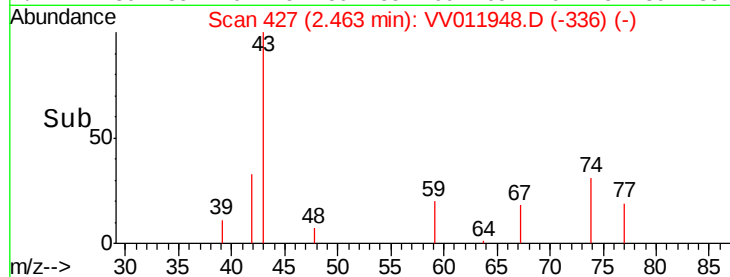
400

200

0

2.45 2.50

Time-->



#16

Methylene chloride

Concen: 0.603 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

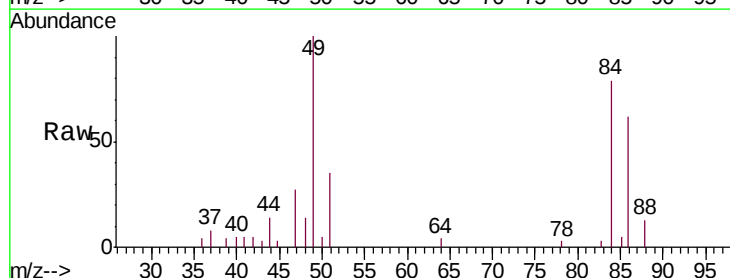
Tgt Ion: 84 Resp: 4671

Ion Ratio Lower Upper

84 100

86 78.6 47.6 88.4

49 126.6 84.3 156.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

4000

3000

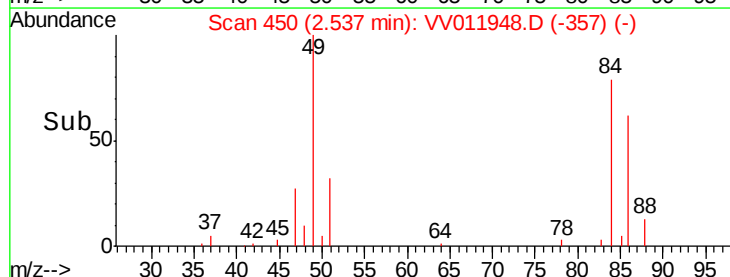
2000

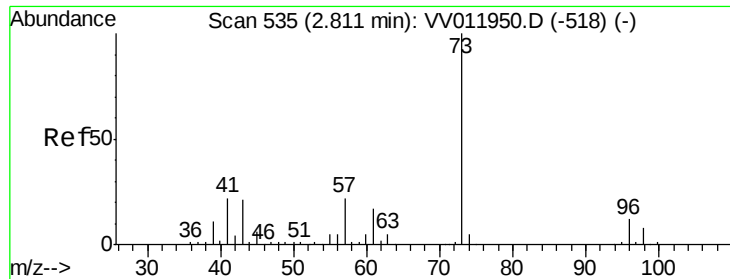
1000

0

2.50 2.55

Time-->

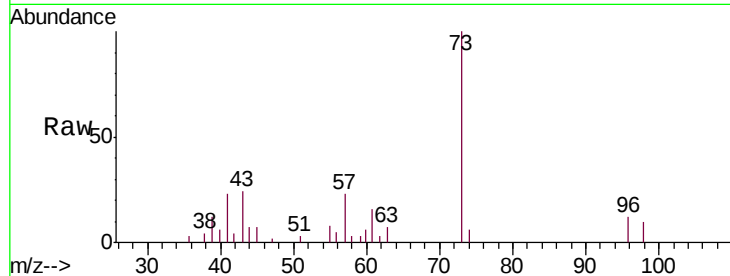




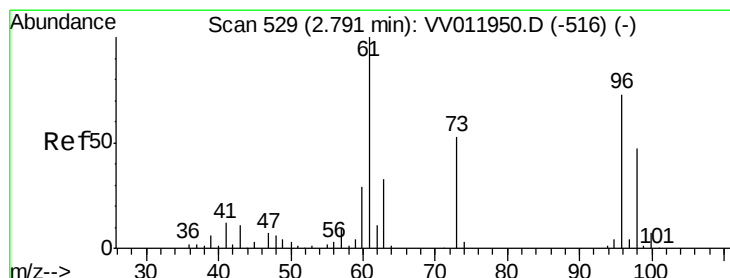
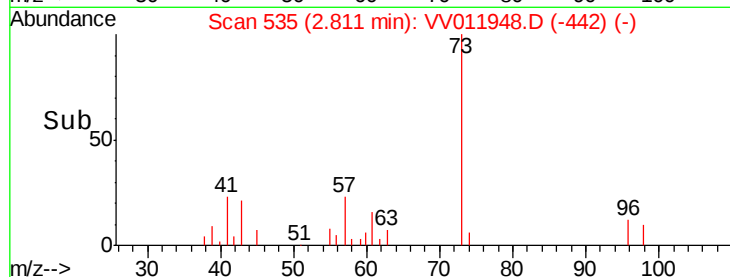
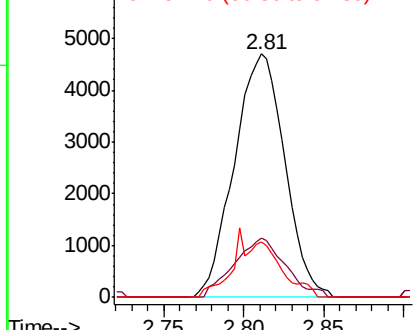
#17
Methyl tert-butyl Ether
Concen: 0.446 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion: 73 Resp: 10143
Ion Ratio Lower Upper
73 100
43 24.8 17.0 25.4
57 12.8 17.0 25.6#

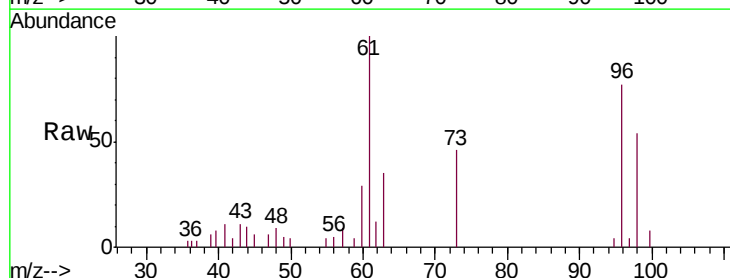


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

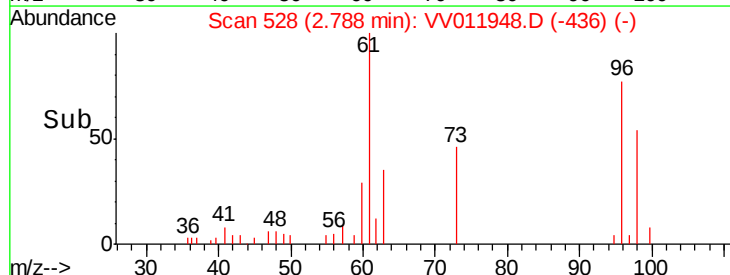
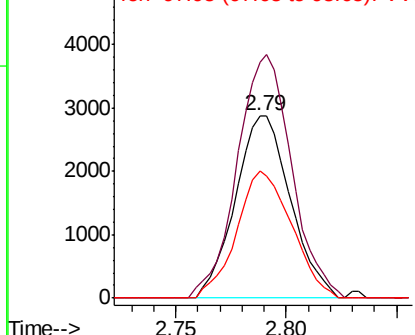


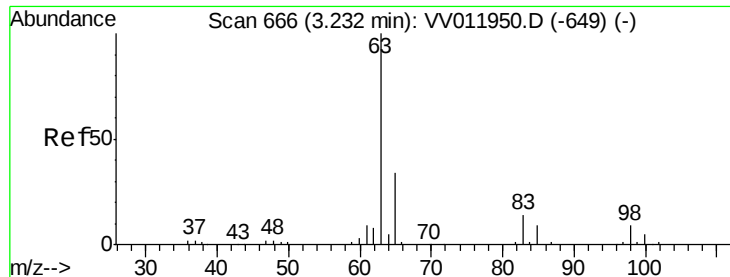
#18
trans-1,2-Dichloroethene
Concen: 0.474 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion: 96 Resp: 4982
Ion Ratio Lower Upper
96 100
61 129.5 95.4 177.2
98 69.5 44.4 82.5



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

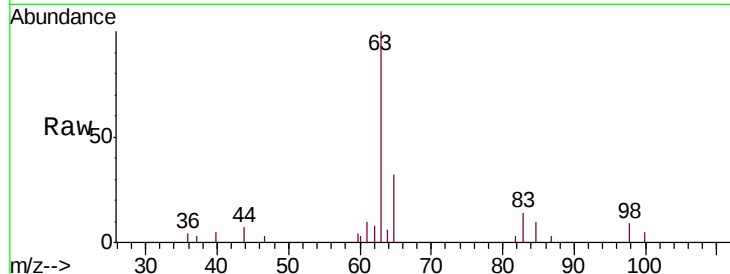




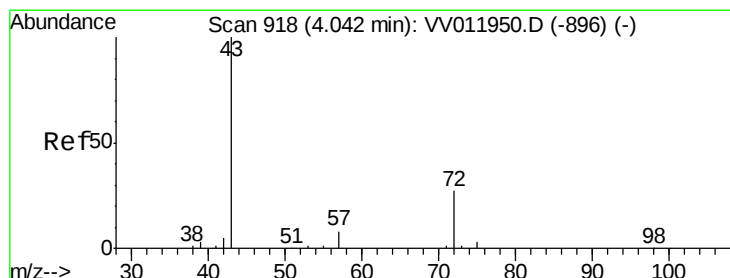
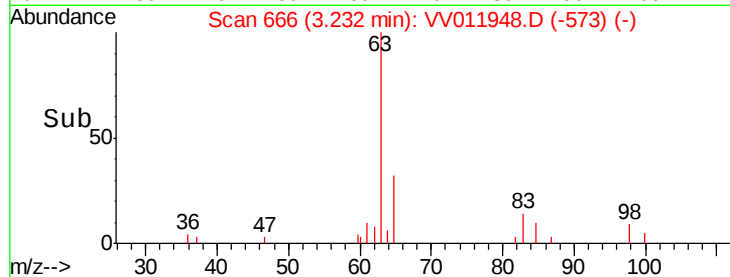
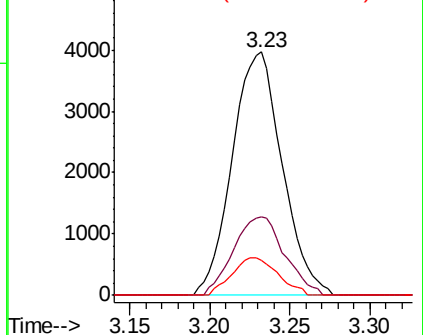
#19
 1,1-Dichloroethane
 Concen: 0.430 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion: 63 Resp: 8477
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.5 43.7
 83 14.4 9.7 18.1

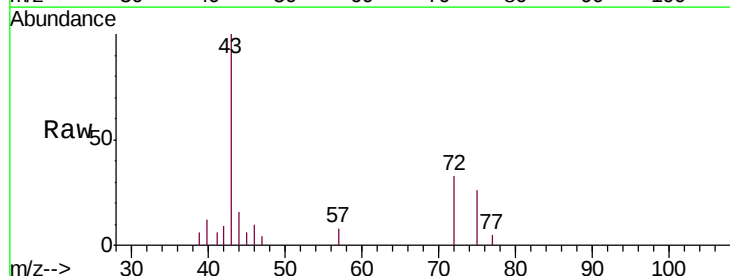


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

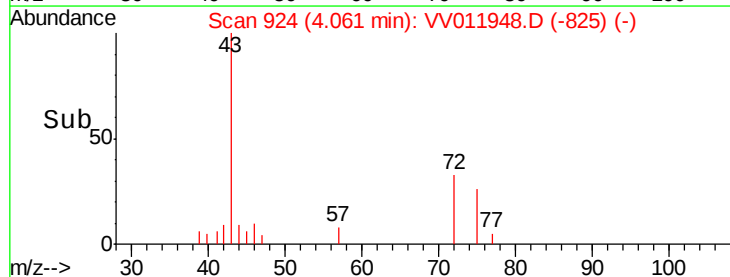
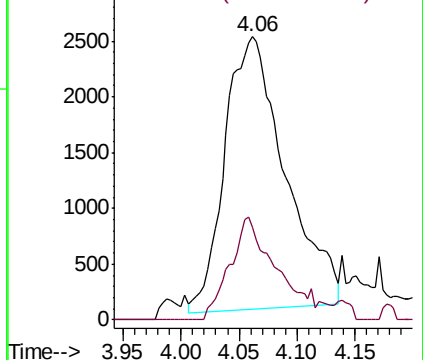


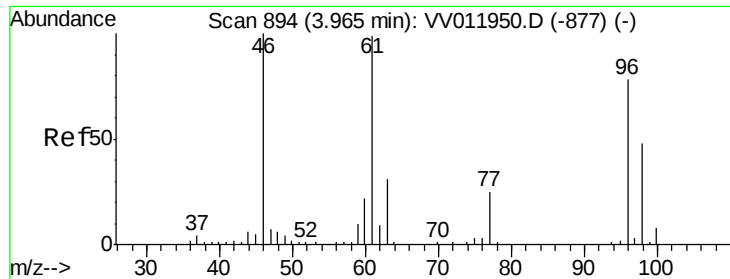
#21
 2-Butanone
 Concen: 3.477 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion: 43 Resp: 8831
 Ion Ratio Lower Upper
 43 100
 72 30.2 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



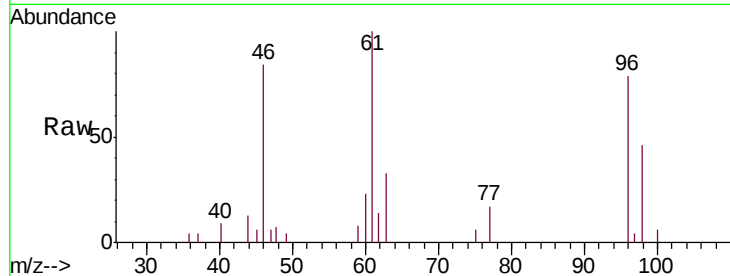


#22

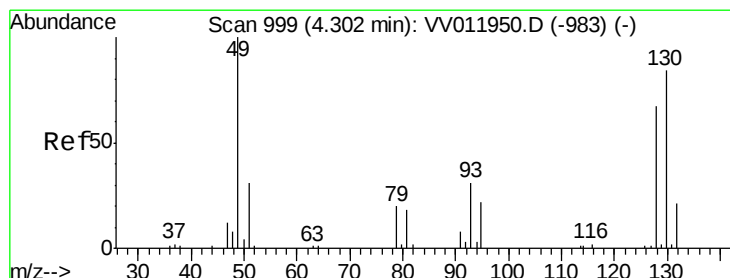
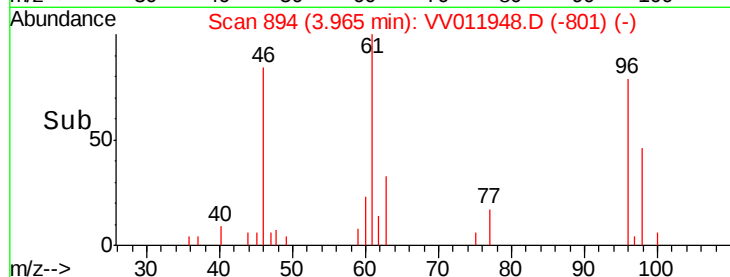
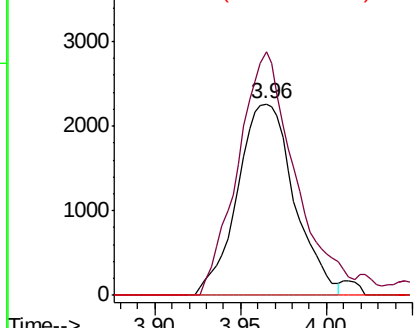
cis-1,2-Dichloroethene
Concen: 0.475 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion: 96 Resp: 5211
Ion Ratio Lower Upper
96 100
61 127.0 89.0 165.2
68 0.0 0.0 0.0



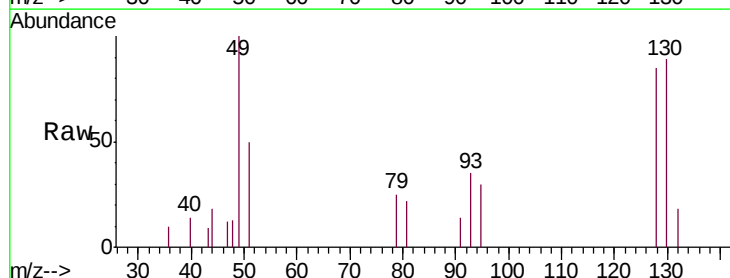
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



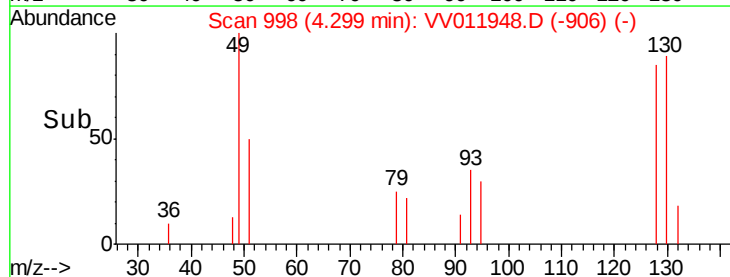
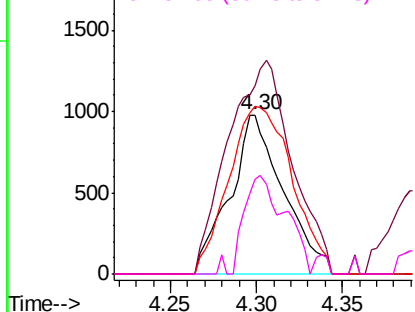
#23

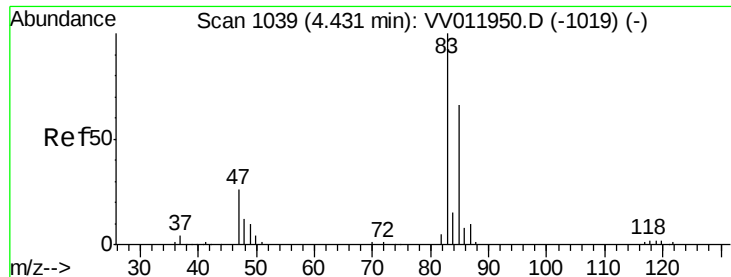
Bromochloromethane
Concen: 0.473 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion: 128 Resp: 2124
Ion Ratio Lower Upper
128 100
49 118.2 105.5 195.9
130 104.9 88.4 164.2
51 59.5 37.4 56.2#



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

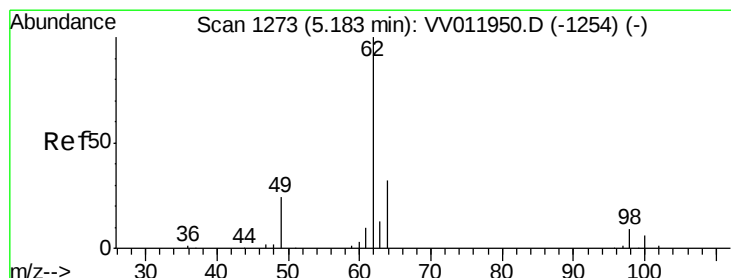
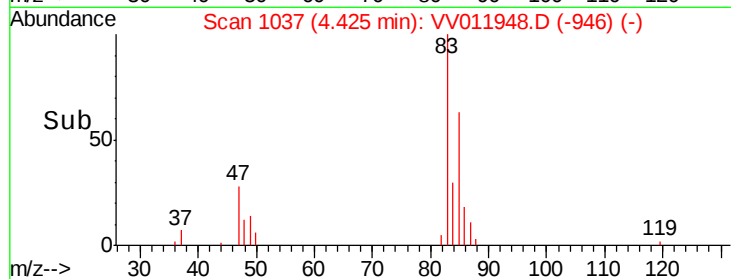
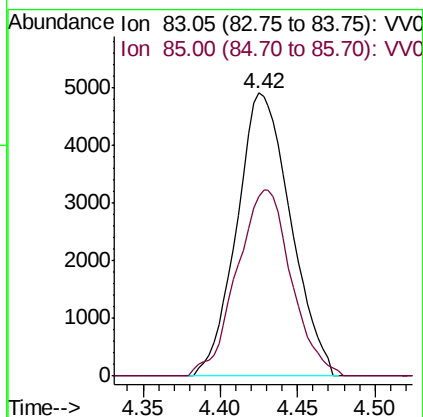
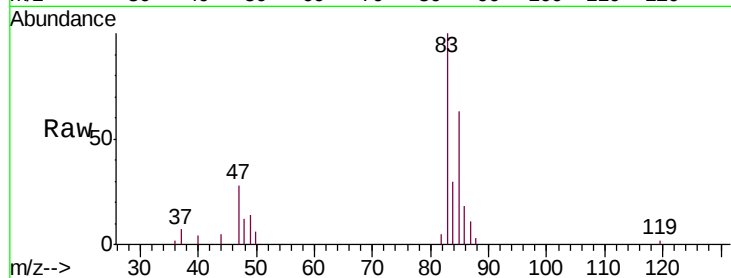




#25
 Chloroform
 Concen: 0.552 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

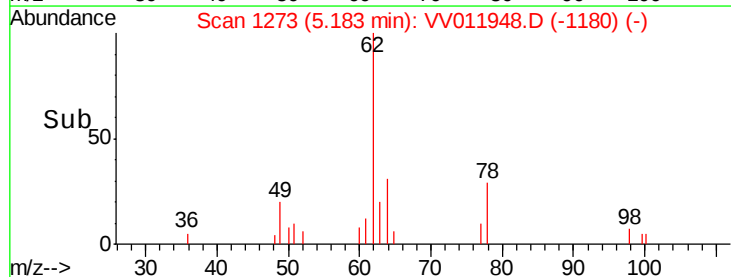
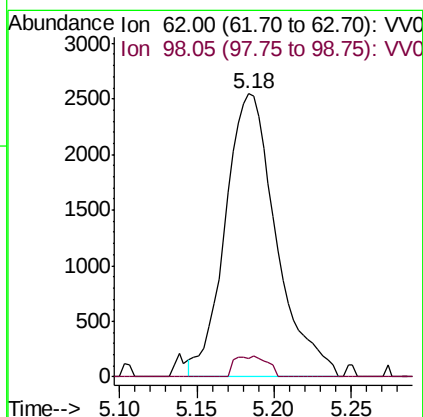
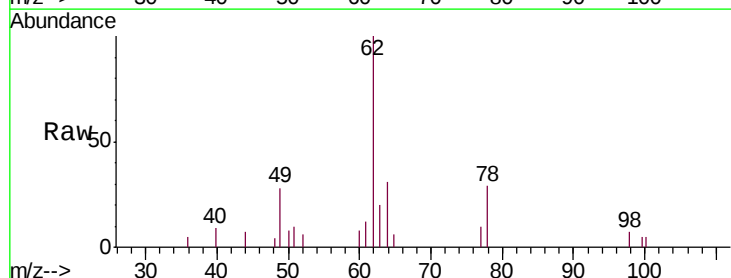
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.531

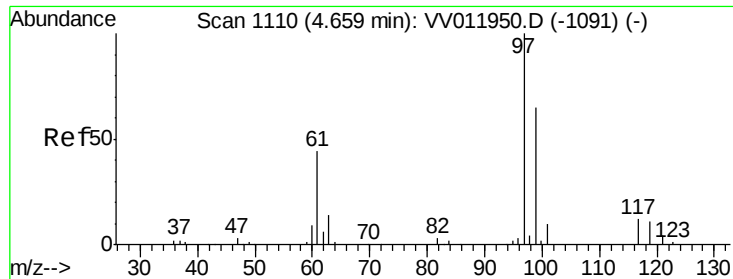
Tgt Ion: 83 Resp: 11909
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.5 86.3



#27
 1,2-Dichloroethane
 Concen: 0.464 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion: 62 Resp: 5832
 Ion Ratio Lower Upper
 62 100
 98 6.6 7.0 10.6#

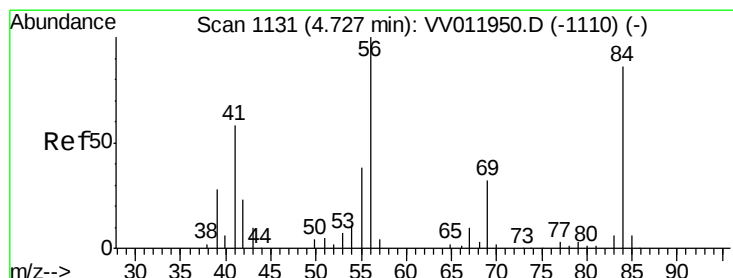
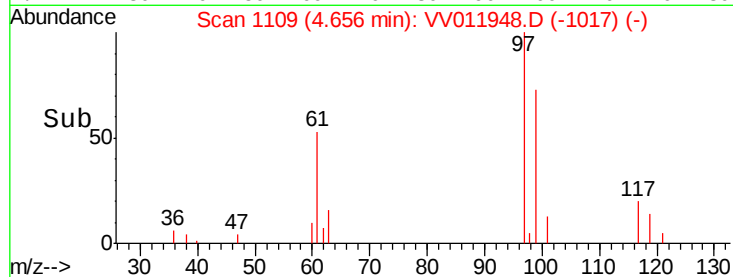
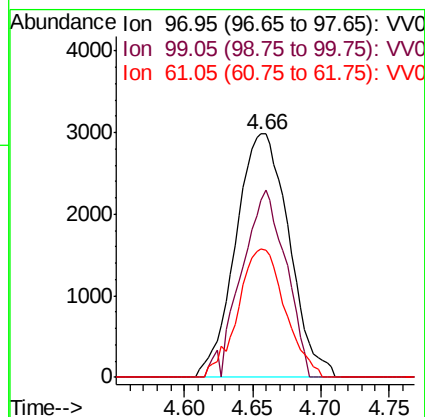
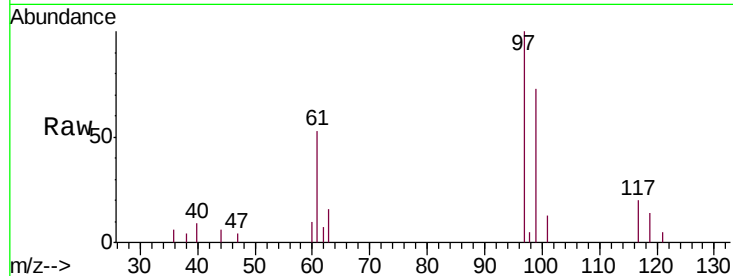




#29
 1,1,1-Trichloroethane
 Concen: 0.493 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

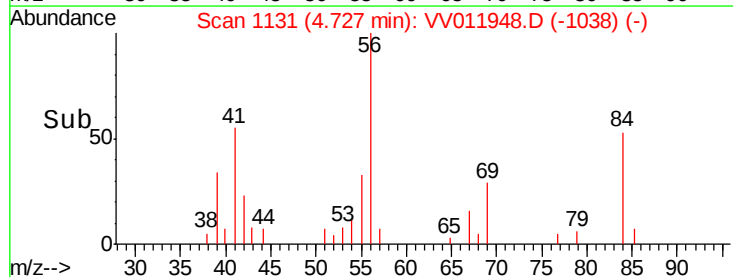
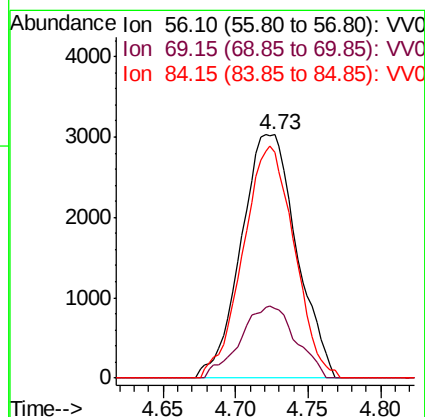
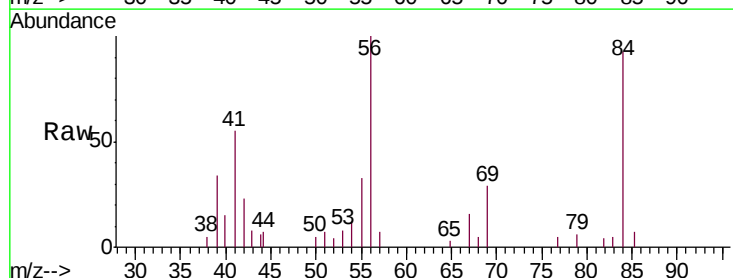
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

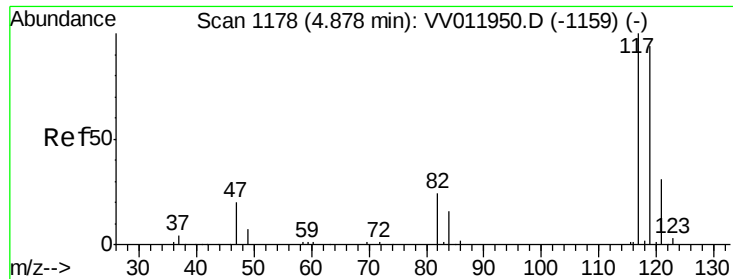
Tgt Ion: 97 Resp: 8088
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.7 77.5
 61 46.5 35.1 52.7



#30
 Cyclohexane
 Concen: 0.478 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion: 56 Resp: 8067
 Ion Ratio Lower Upper
 56 100
 69 29.5 25.4 38.2
 84 87.9 73.4 110.0

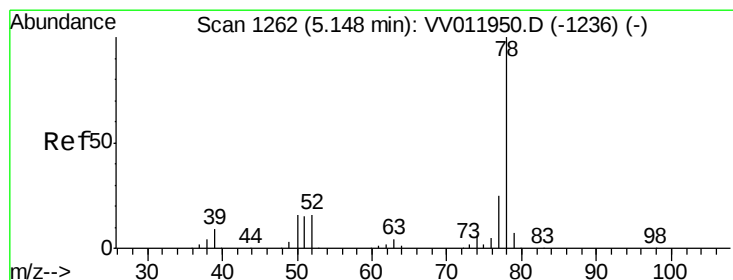
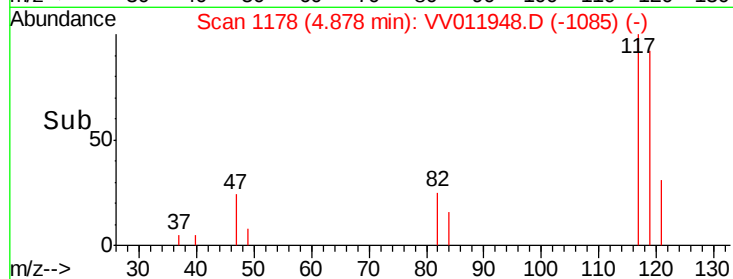
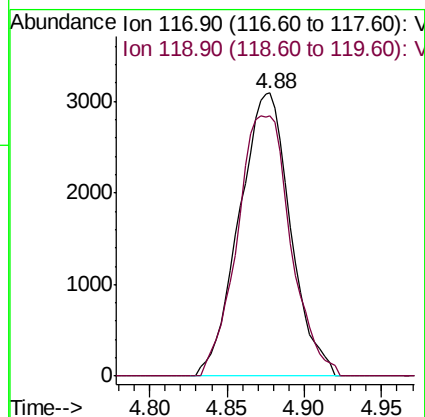
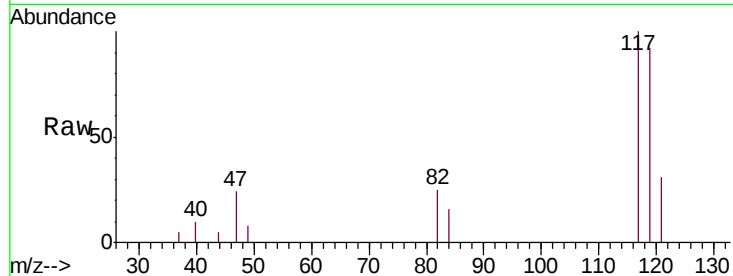




#31
Carbon tetrachloride
Concen: 0.493 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

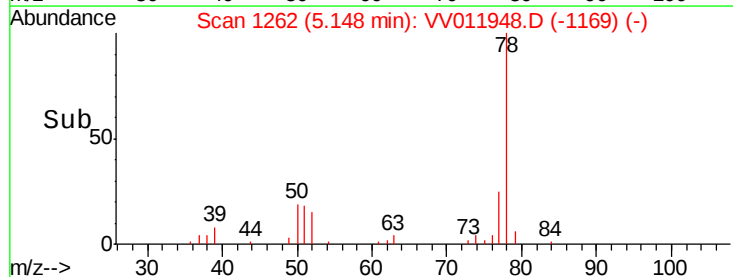
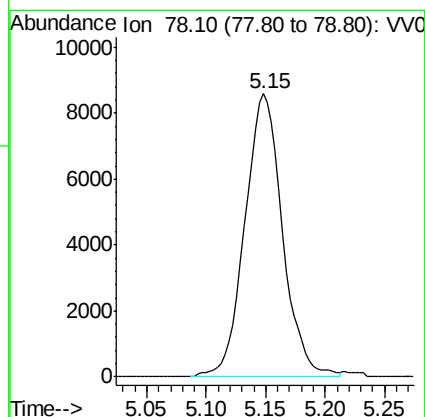
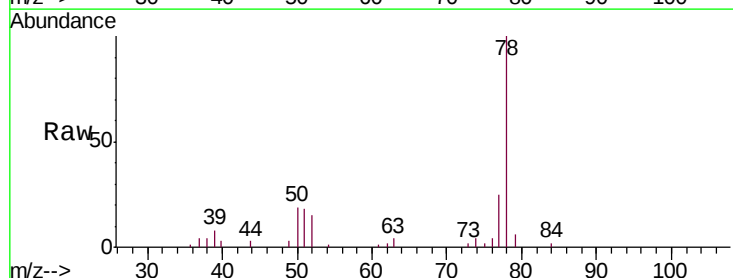
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

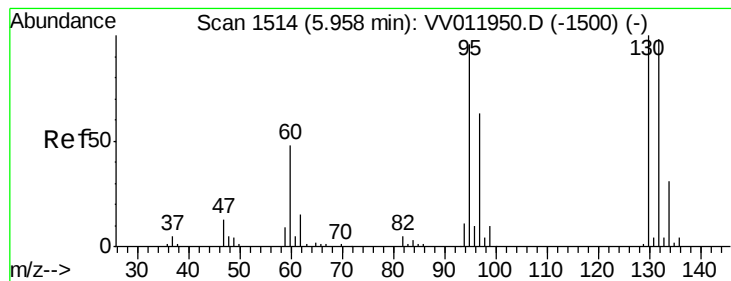
Tgt Ion:117 Resp: 7116
Ion Ratio Lower Upper
117 100
119 96.1 76.4 114.6



#33
Benzene
Concen: 0.461 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion: 78 Resp: 18824





#34

Trichloroethene

Concen: 0.478 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tgt Ion: 95 Resp: 5431

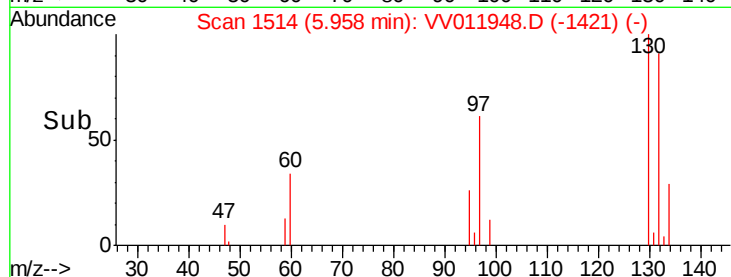
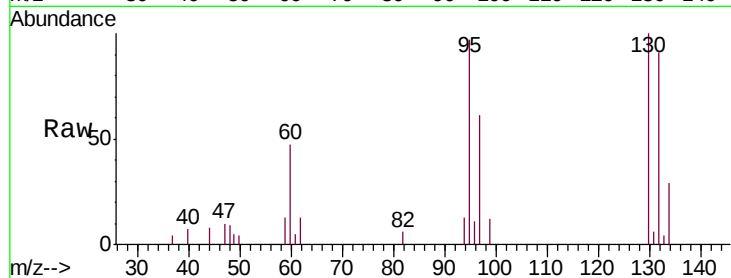
Ion Ratio Lower Upper

95 100

97 62.6 45.6 84.6

132 93.4 71.3 132.3

130 103.0 72.8 135.2

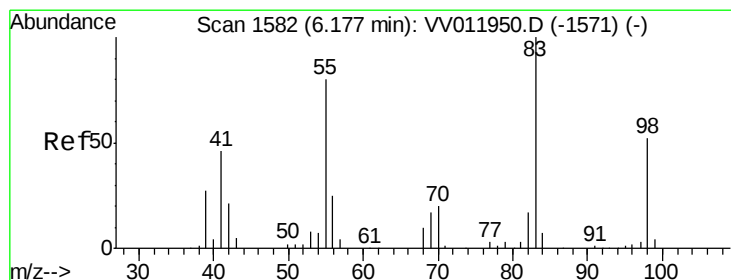
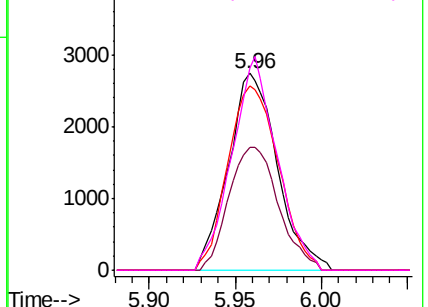


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.474 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

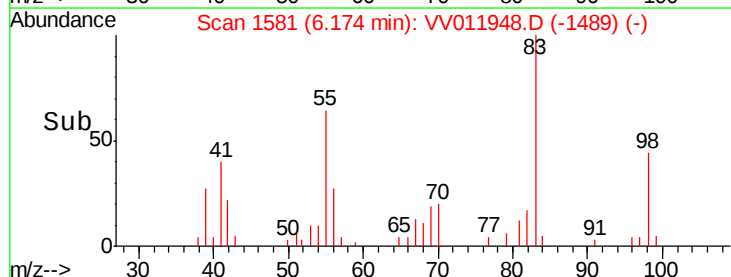
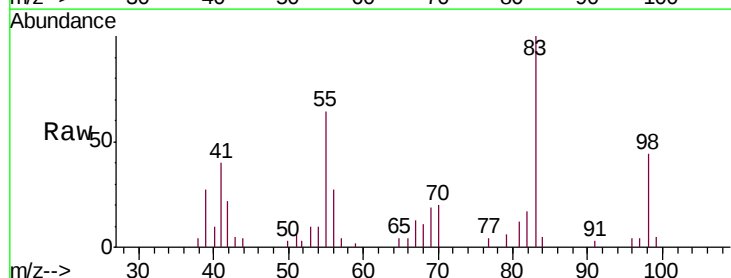
Tgt Ion: 83 Resp: 8184

Ion Ratio Lower Upper

83 100

55 74.4 63.0 94.4

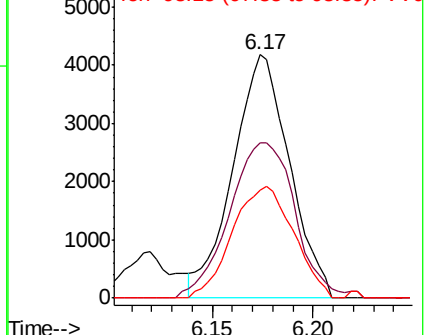
98 49.8 41.4 62.0

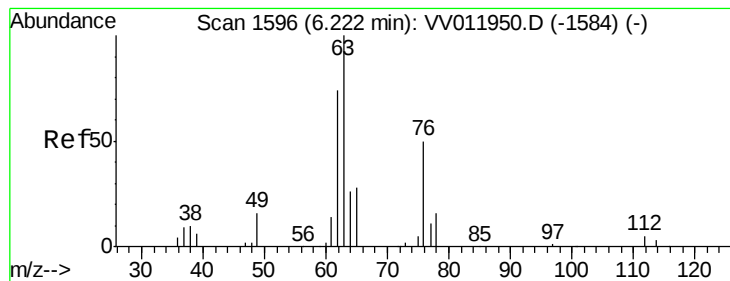


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.483 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

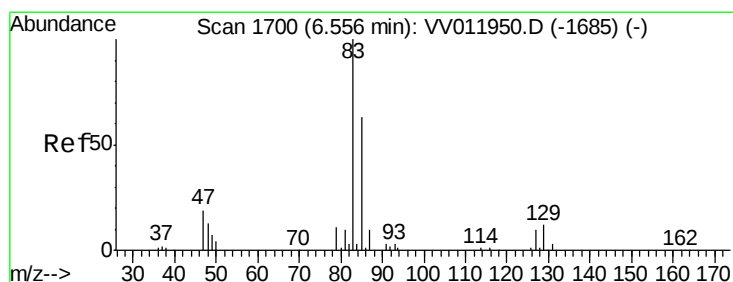
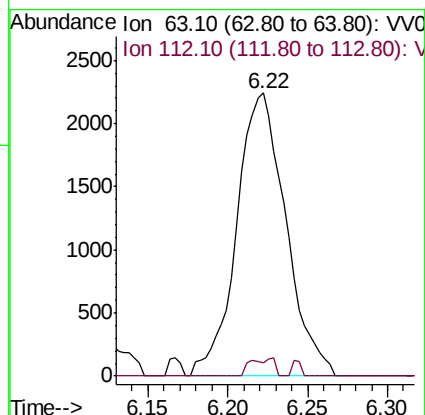
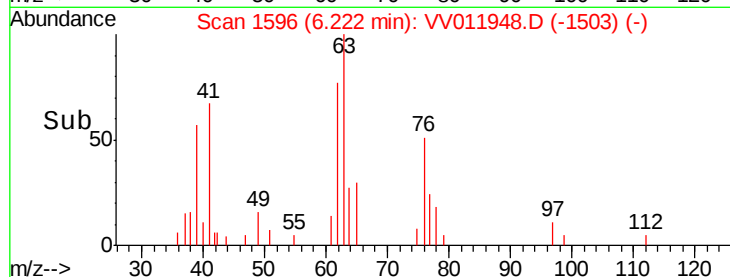
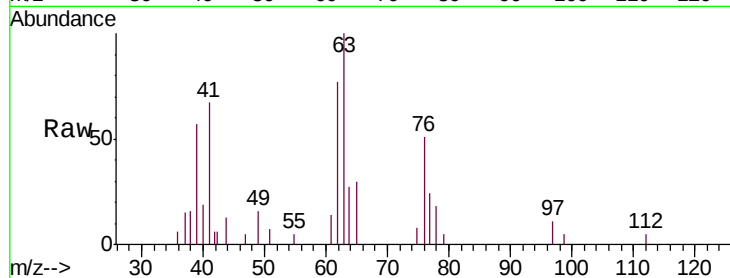
VSTD0.531

Tgt Ion: 63 Resp: 4719

Ion Ratio Lower Upper

63 100

112 1.8 4.2 6.4#



#38

Bromodichloromethane

Concen: 0.492 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

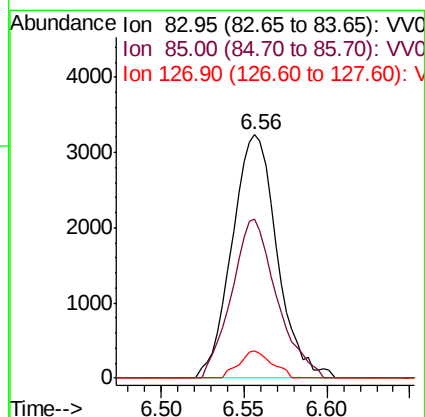
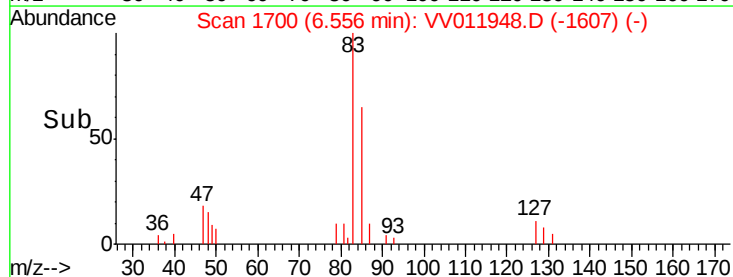
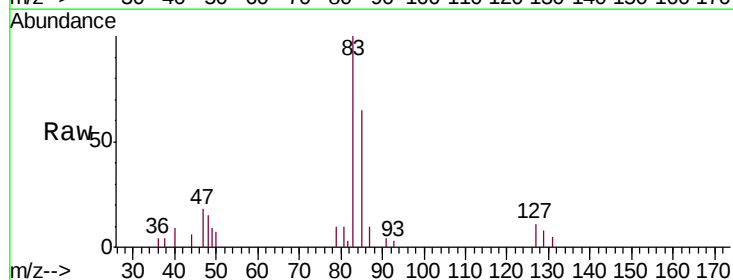
Tgt Ion: 83 Resp: 6108

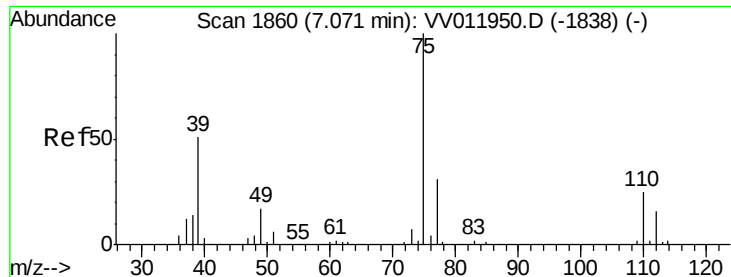
Ion Ratio Lower Upper

83 100

85 65.4 44.4 82.4

127 11.1 7.9 11.9

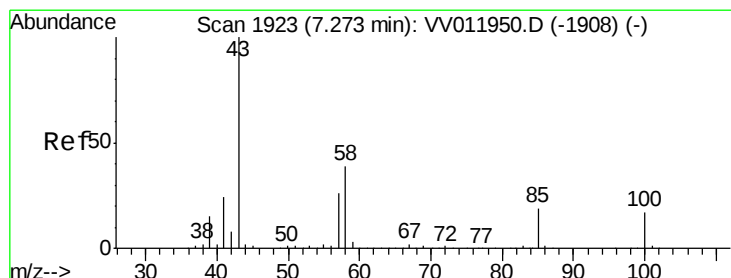
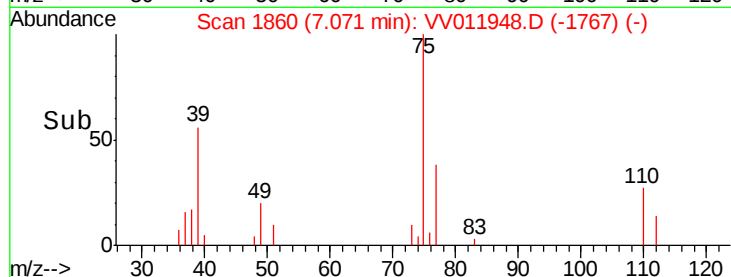
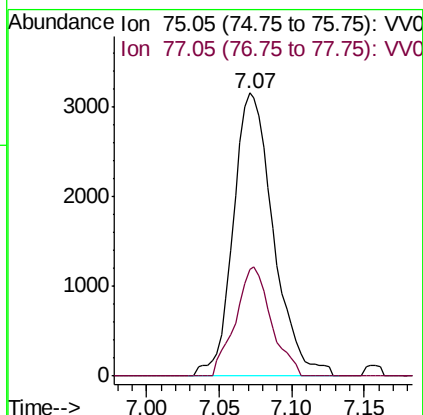
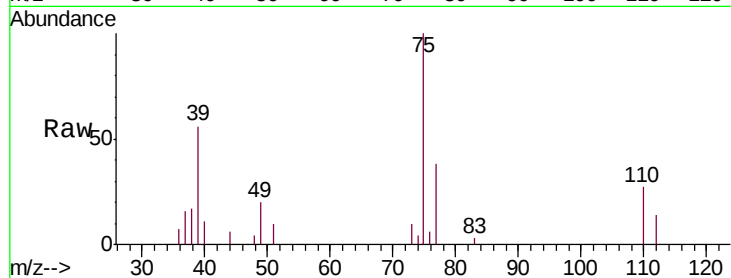




#39
 cis-1,3-Dichloropropene
 Concen: 0.441 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

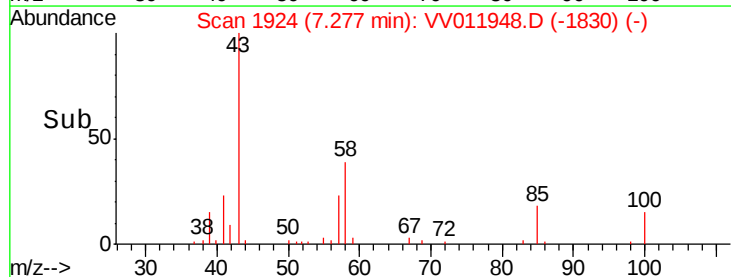
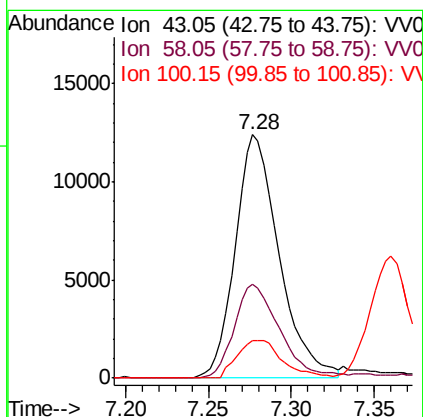
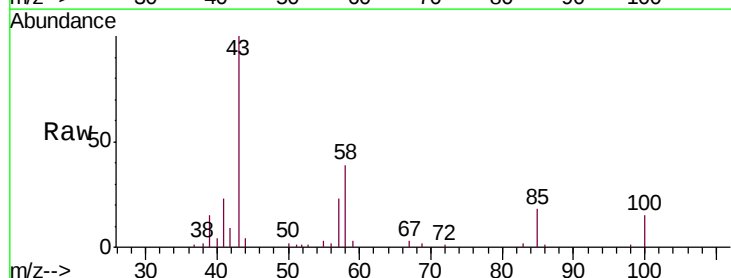
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

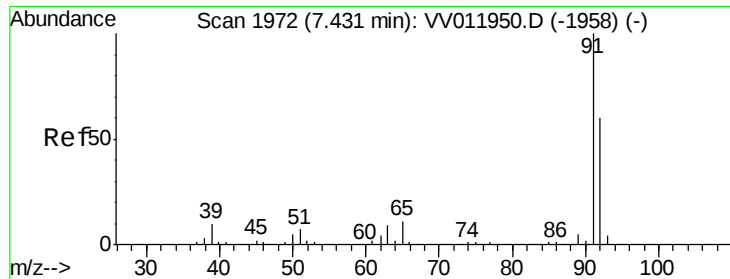
Tgt Ion: 75 Resp: 6067
 Ion Ratio Lower Upper
 75 100
 77 37.8 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 3.903 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion: 43 Resp: 22841
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.2 46.8
 100 16.1 13.5 20.3





#42

Toluene

Concen: 0.441 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

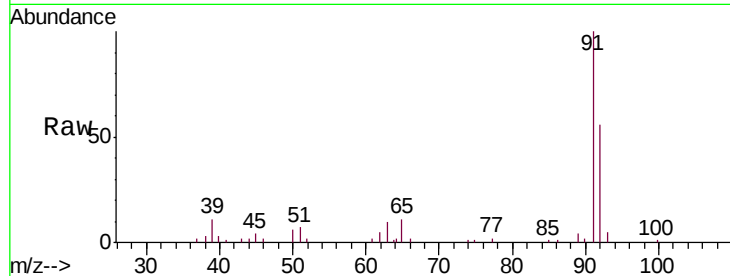
VSTD0.531

Tgt Ion: 91 Resp: 18925

Ion Ratio Lower Upper

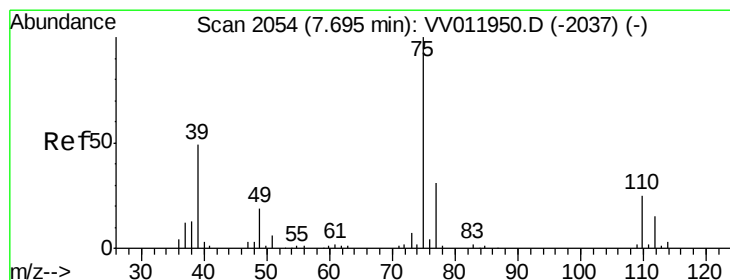
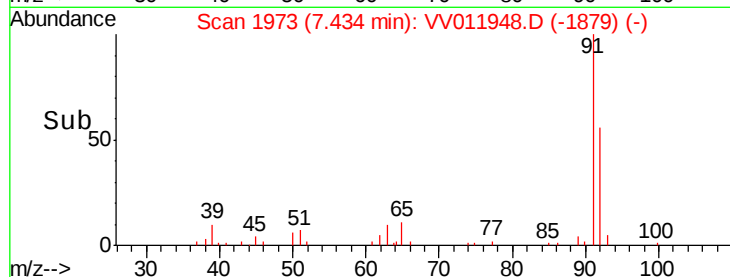
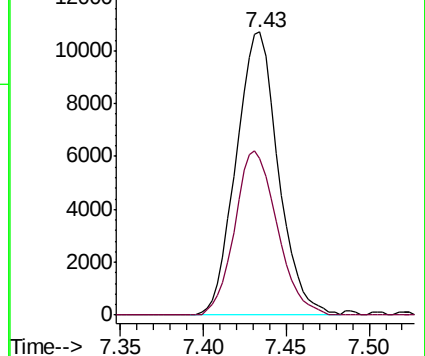
91 100

92 55.5 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.462 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV011948.D

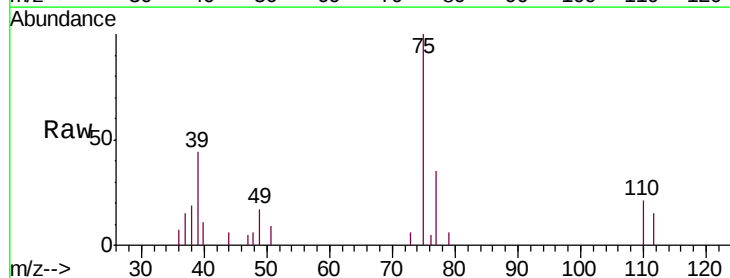
Acq: 22 Jul 2019 14:57

Tgt Ion: 75 Resp: 5064

Ion Ratio Lower Upper

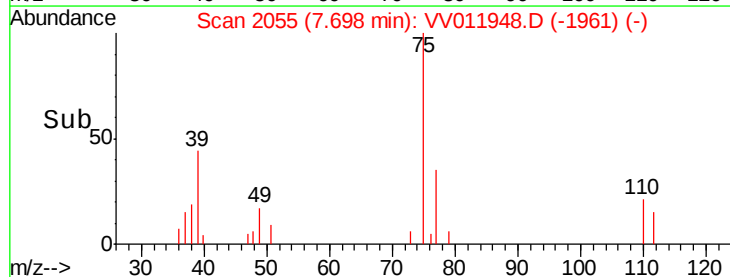
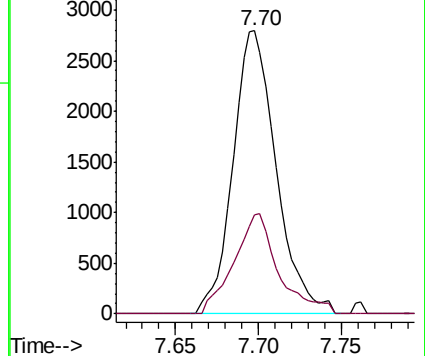
75 100

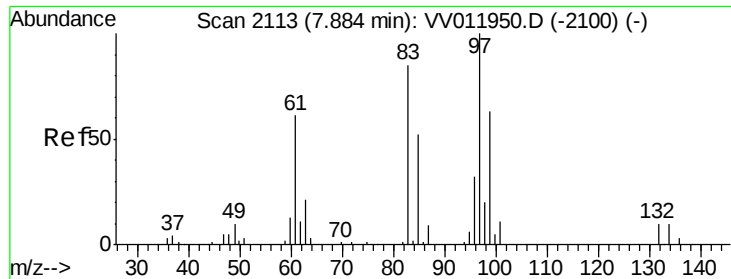
77 35.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

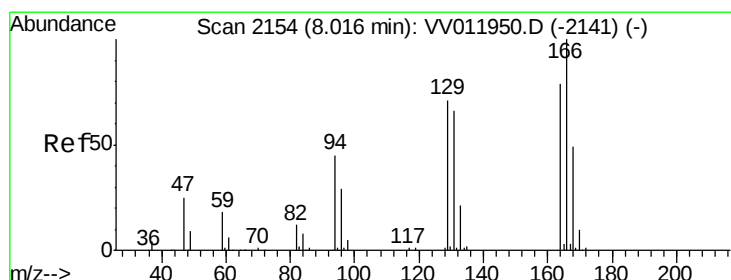
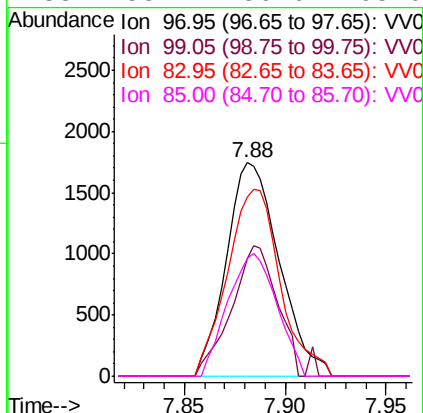
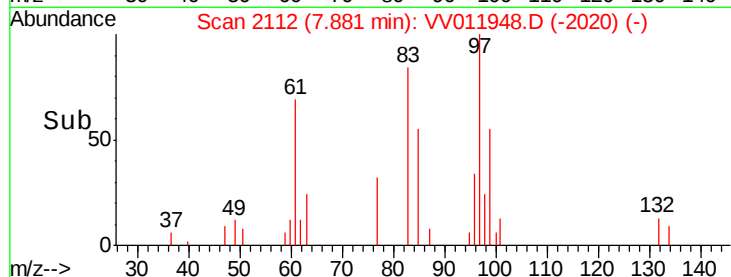
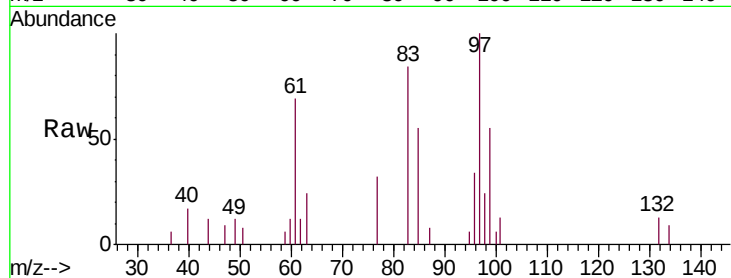




#45
 1,1,2-Trichloroethane
 Concen: 0.472 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

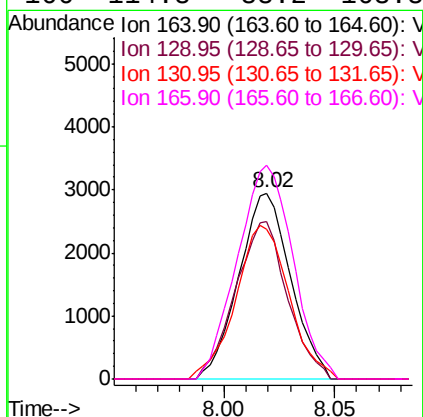
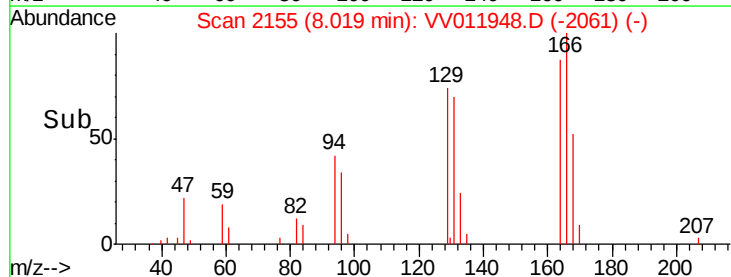
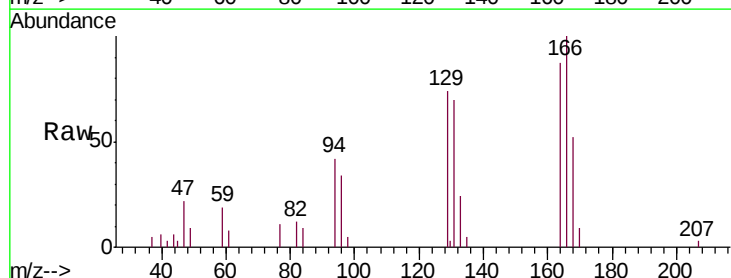
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

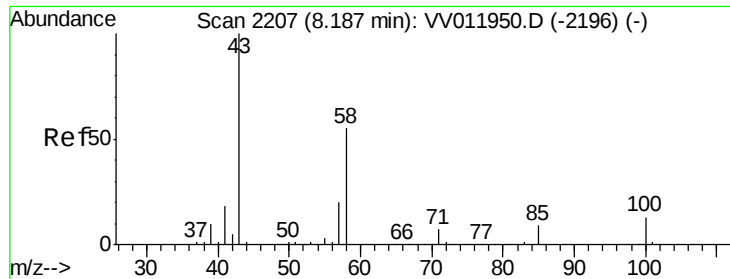
Tgt Ion:	97	Resp:	3200
Ion	Ratio	Lower	Upper
97	100		
99	55.2	44.0	81.8
83	83.7	59.5	110.5
85	55.2	36.6	68.0



#47
 Tetrachloroethene
 Concen: 0.558 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion:	164	Resp:	4808
Ion	Ratio	Lower	Upper
164	100		
129	84.8	62.5	116.1
131	80.8	58.6	108.8
166	114.8	88.2	163.8

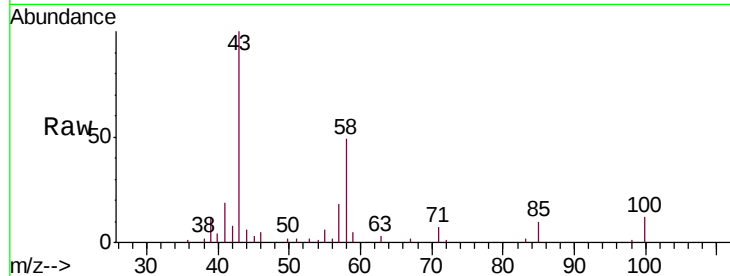




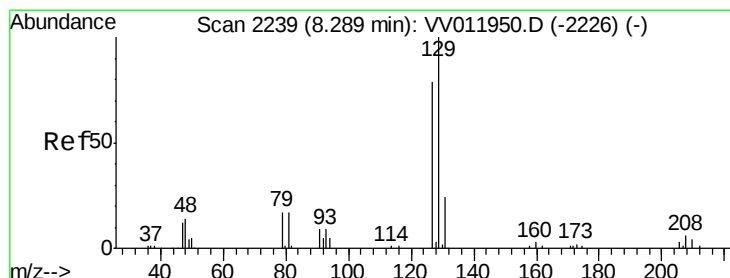
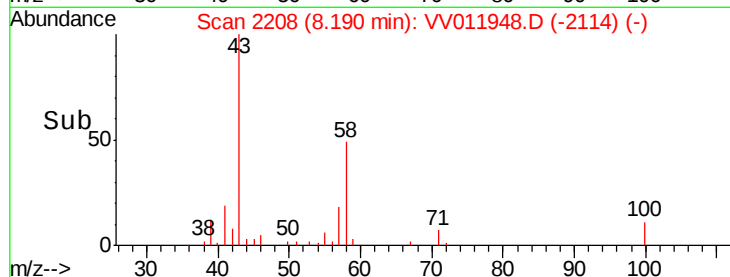
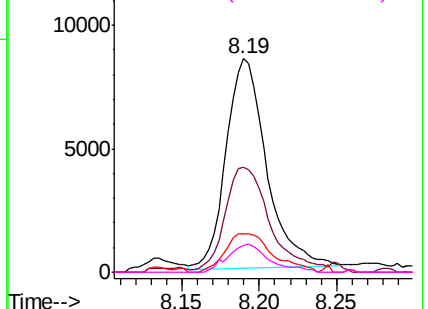
#48
2-Hexanone
Concen: 3.687 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion: 43 Resp: 15408
Ion Ratio Lower Upper
43 100
58 55.9 43.7 65.5
57 21.7 16.0 24.0
100 13.9 10.5 15.7

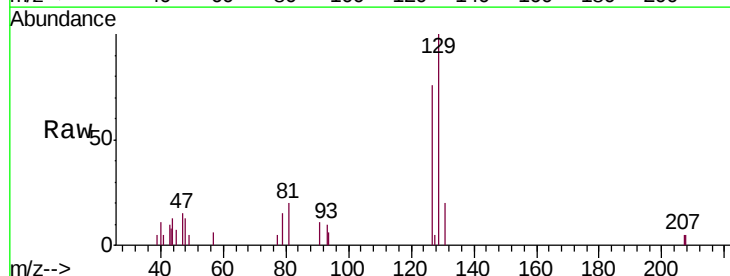


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

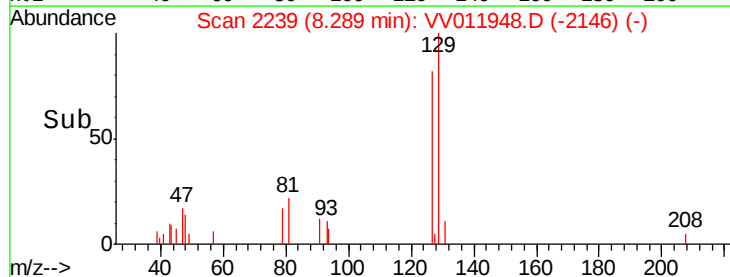
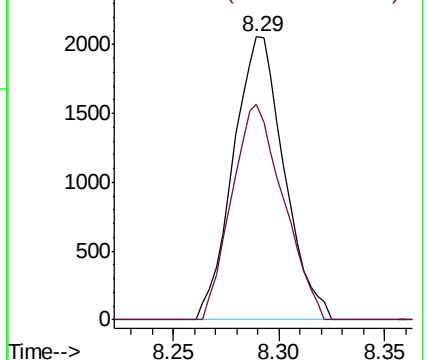


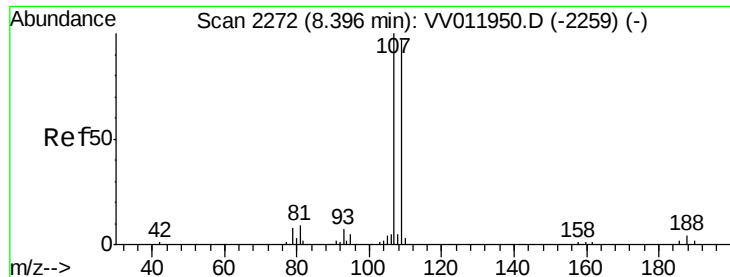
#49
Dibromochloromethane
Concen: 0.460 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion: 129 Resp: 3460
Ion Ratio Lower Upper
129 100
127 81.1 55.3 102.7



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

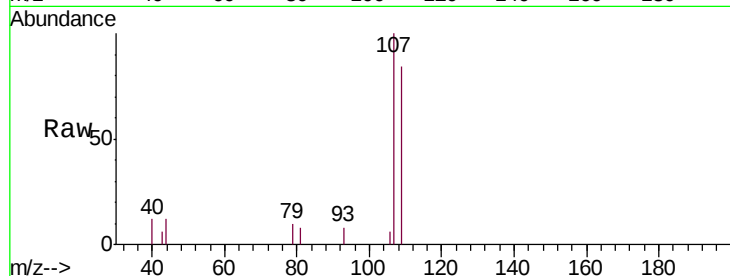




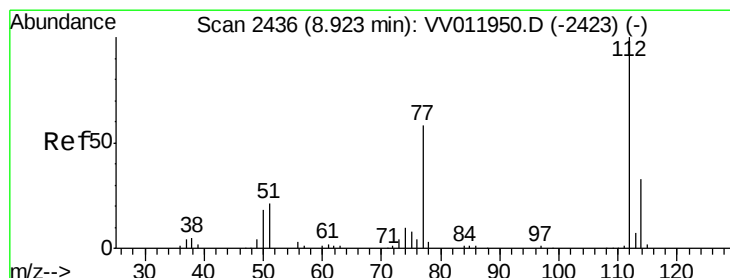
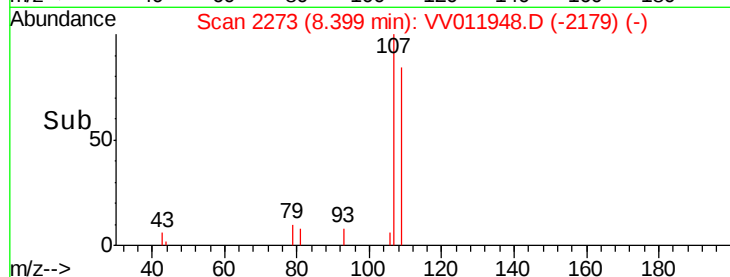
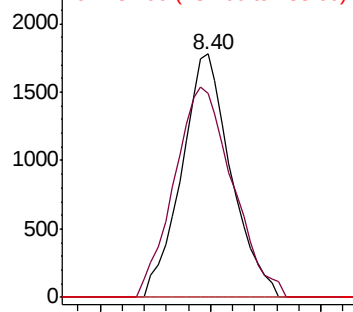
#50
1,2-Dibromoethane
Concen: 0.443 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:107 Resp: 2766
Ion Ratio Lower Upper
107 100
109 83.5 68.1 126.5
188 0.0 3.5 5.3#

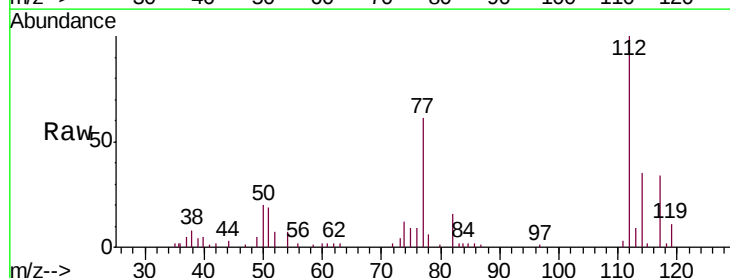


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

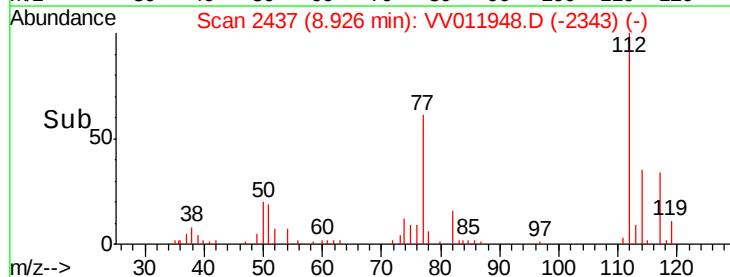
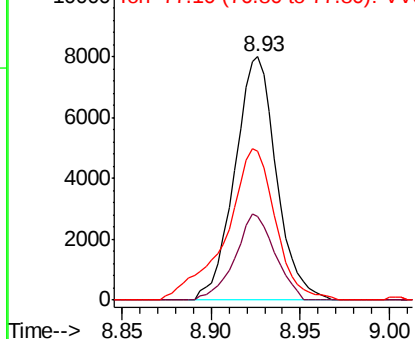


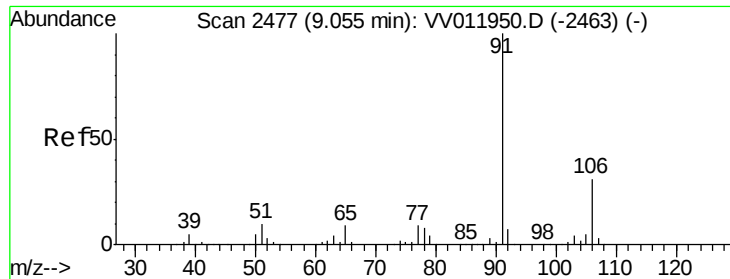
#51
Chlorobenzene
Concen: 0.477 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion:112 Resp: 13059
Ion Ratio Lower Upper
112 100
114 34.6 23.0 42.8
77 61.0 46.4 69.6



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: 0.449 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

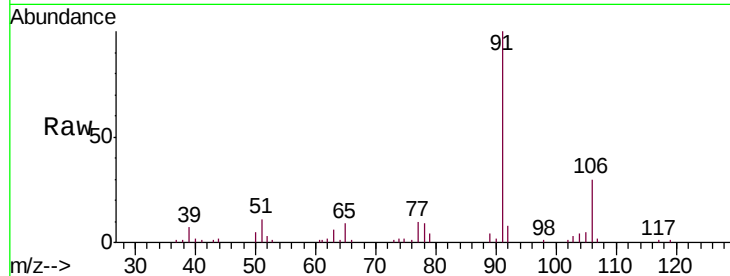
VSTD0.531

Tgt Ion: 91 Resp: 21372

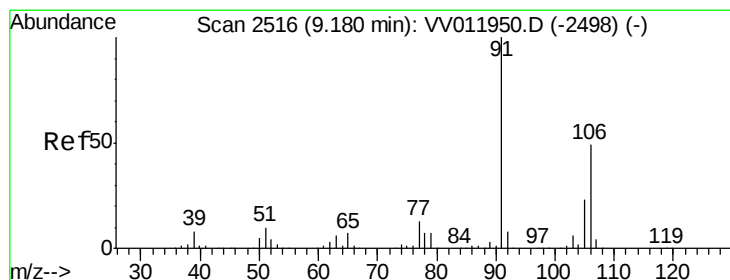
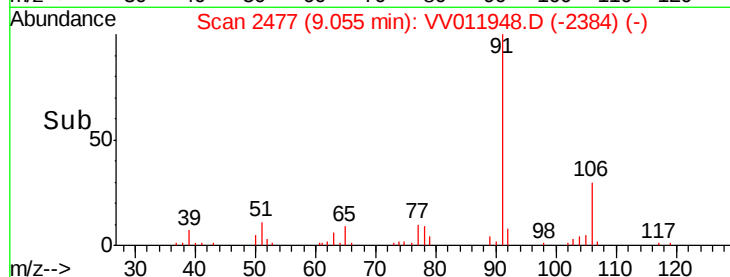
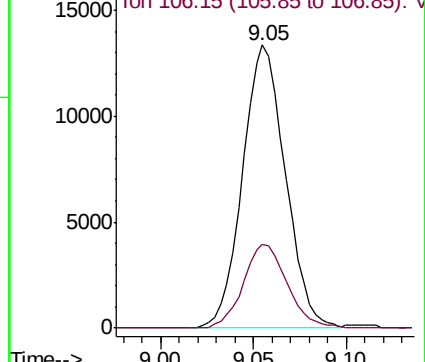
Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011950.D (-2463) (-)



#53

m,p-xylene

Concen: 0.456 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011948.D

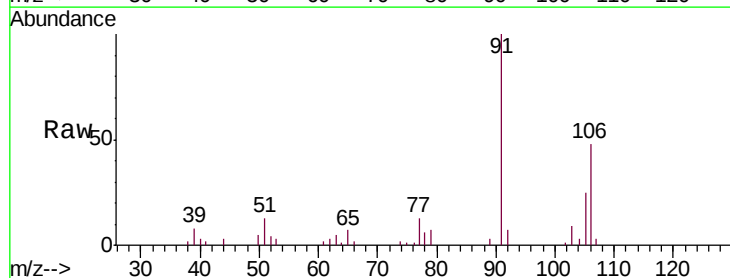
Acq: 22 Jul 2019 14:57

Tgt Ion: 106 Resp: 8125

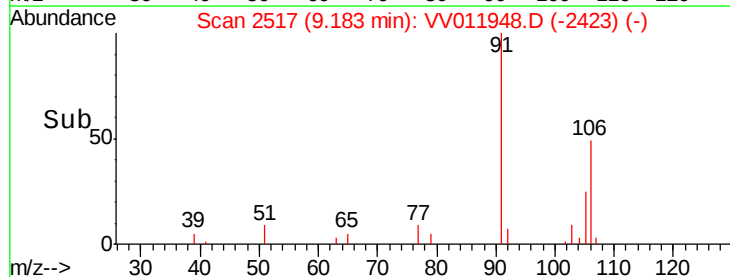
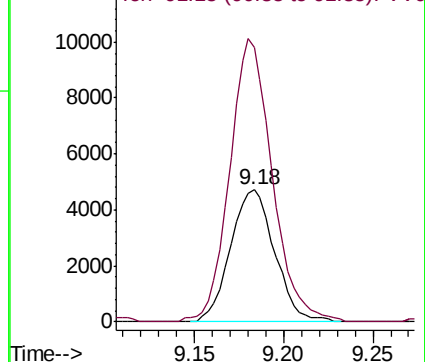
Ion Ratio Lower Upper

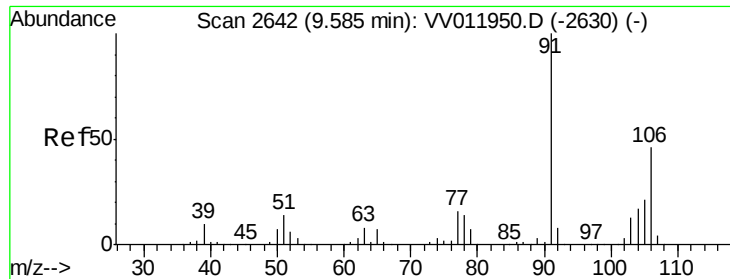
106 100

91 208.0 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011948.D (-2423) (-)

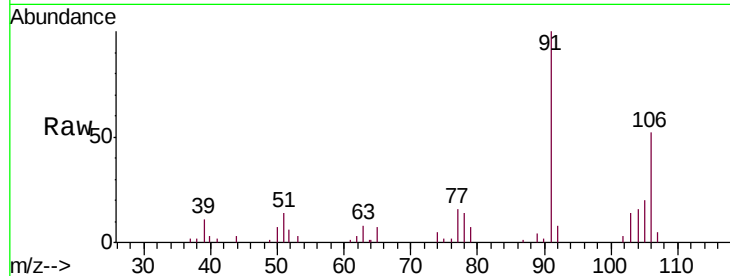




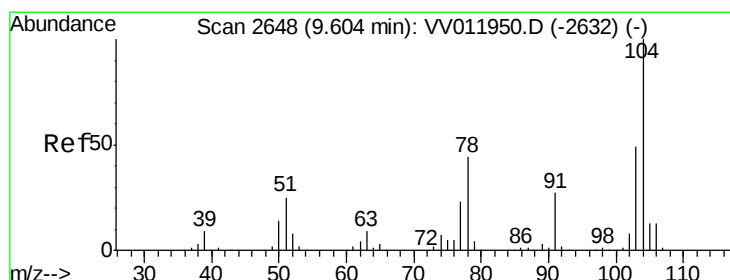
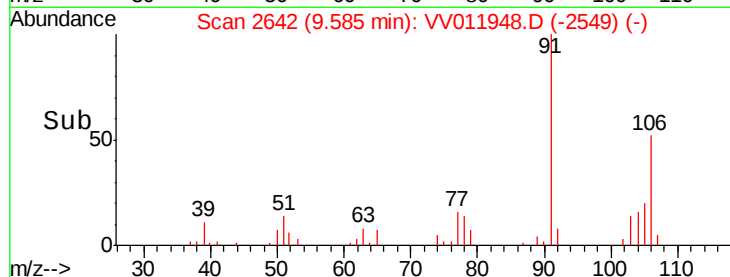
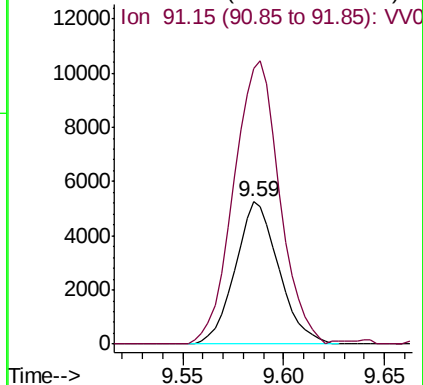
#54
o-xylene
Concen: 0.479 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:106 Resp: 7938
Ion Ratio Lower Upper
106 100
91 193.9 151.0 280.4

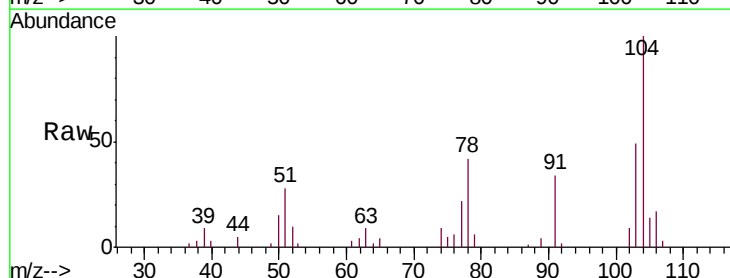


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

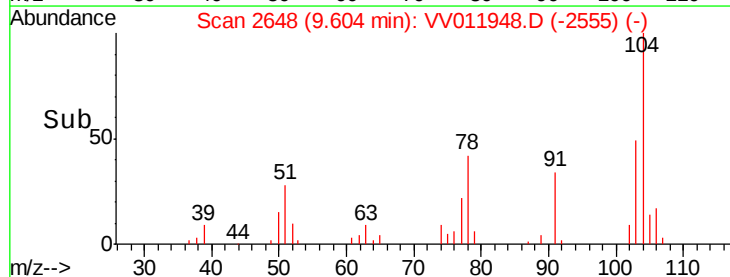
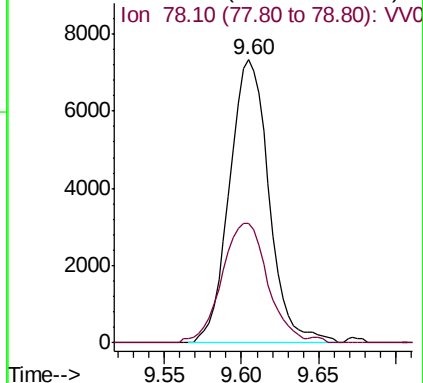


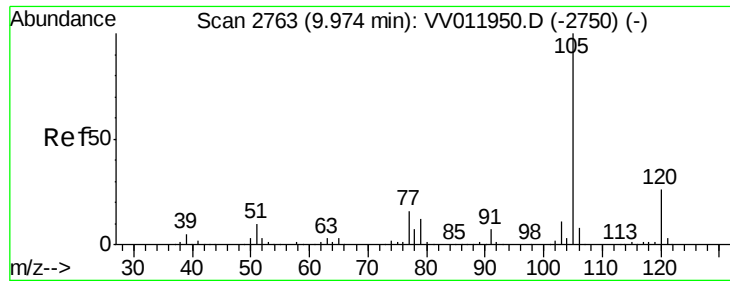
#55
Styrene
Concen: 0.462 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion:104 Resp: 13021
Ion Ratio Lower Upper
104 100
78 42.4 30.8 57.2



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

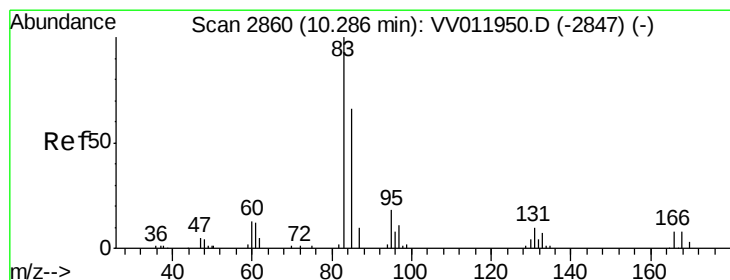
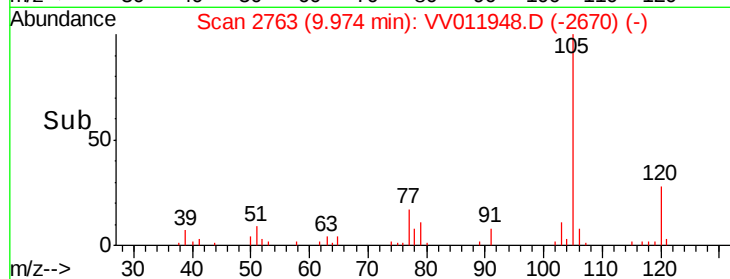
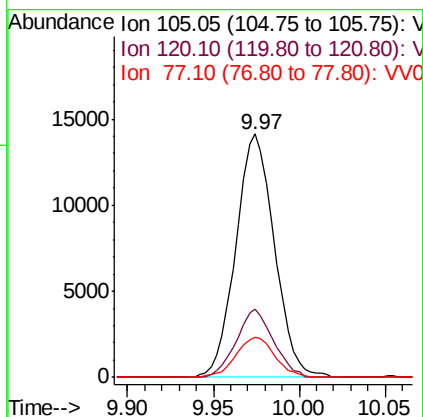
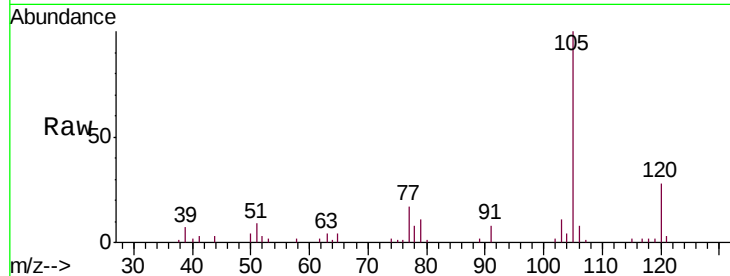




#56
Isopropylbenzene
Concen: 0.480 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

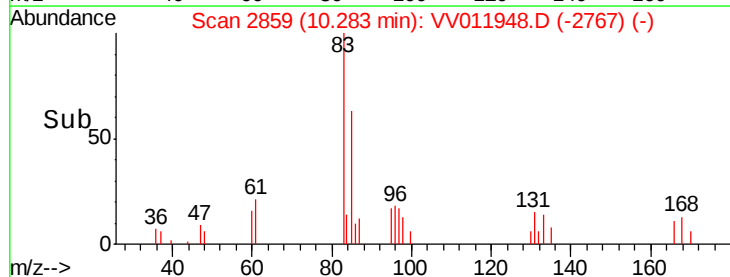
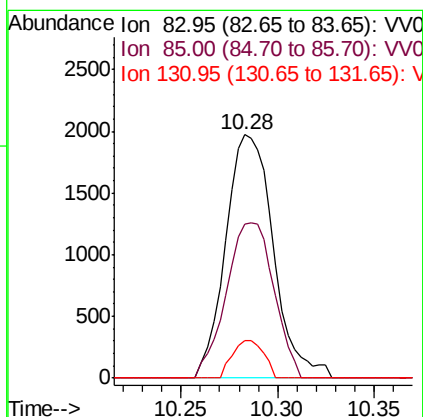
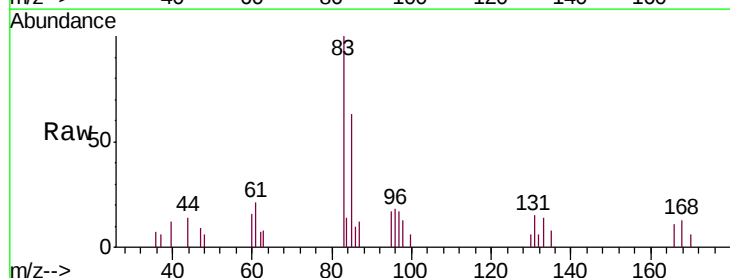
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

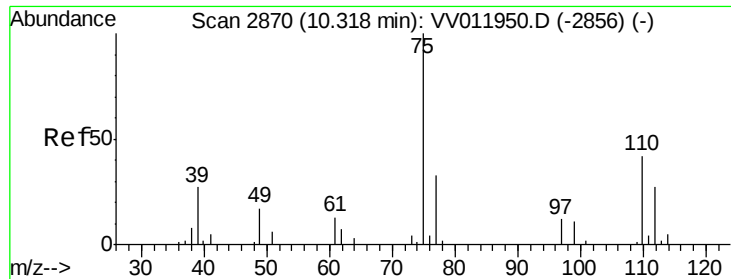
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.8	31.2
77	16.7	12.6	19.0



#58
1,1,2,2-Tetrachloroethane
Concen: 0.515 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV011948.D
Acq: 22 Jul 2019 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	46.3	85.9
131	15.3	8.9	13.3

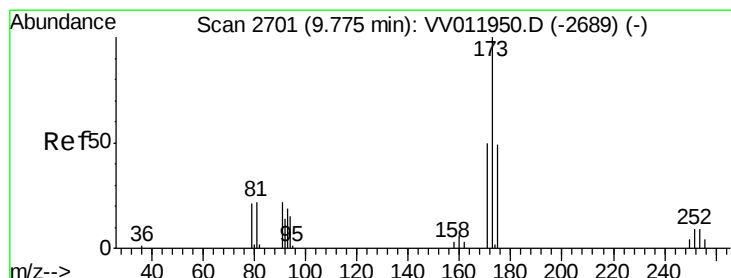
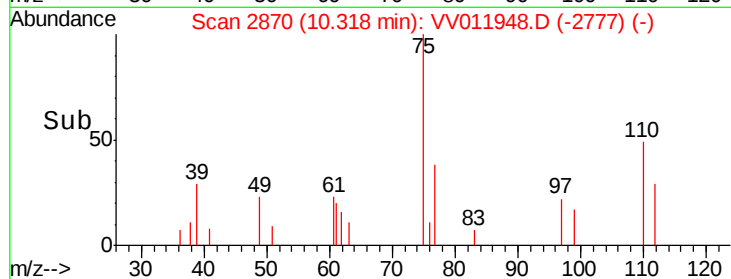
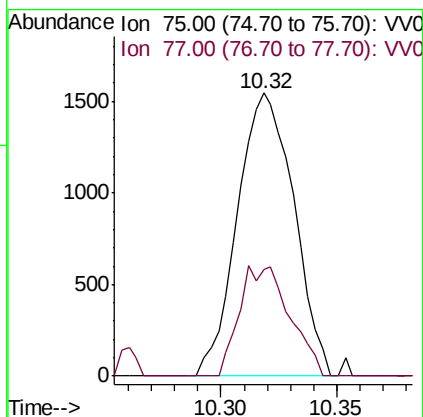
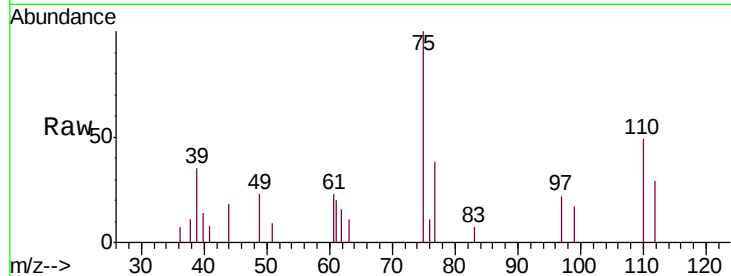




#59
 1,2,3-Trichloropropane
 Concen: 0.440 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

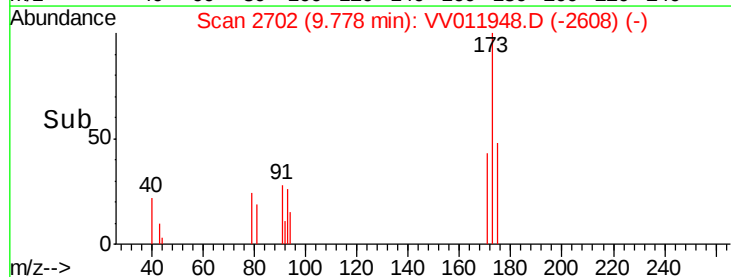
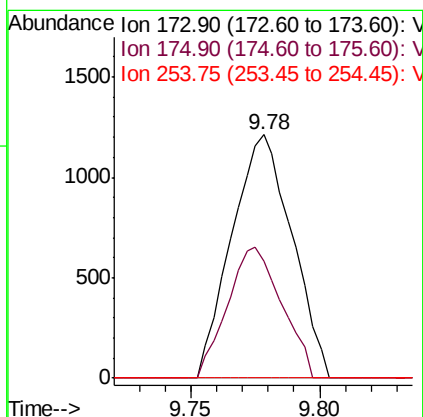
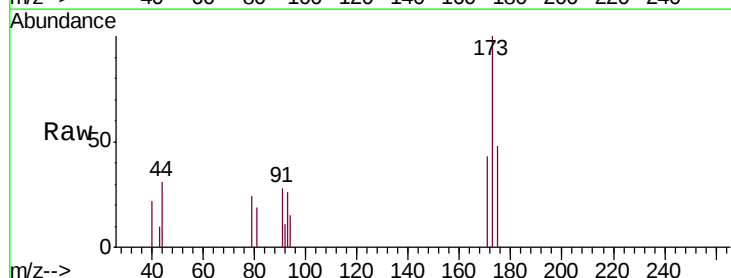
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

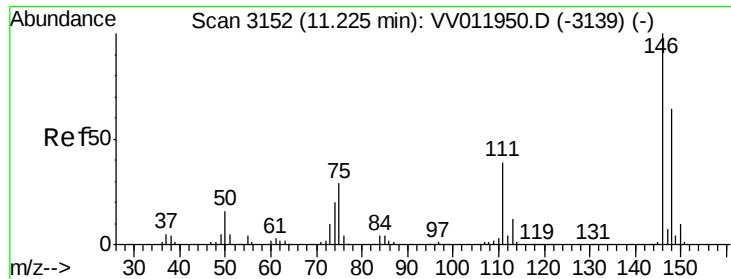
Tgt Ion: 75 Resp: 2613
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.2 39.2



#61
 Bromoform
 Concen: 0.519 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion: 173 Resp: 1976
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.6 59.4
 254 0.0 7.9 11.9#

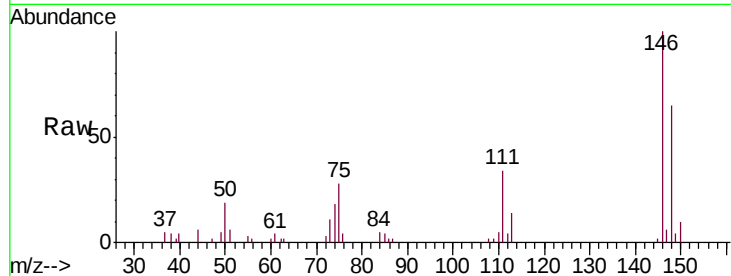




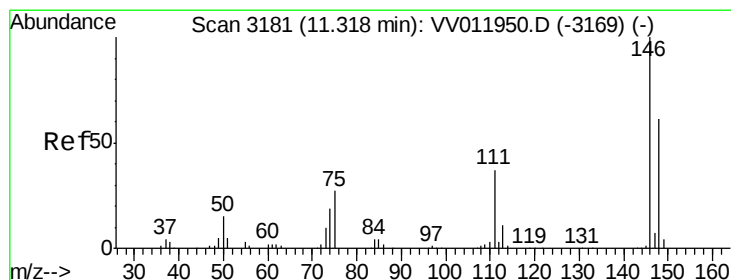
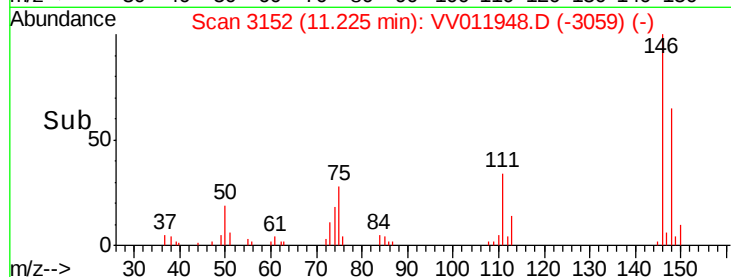
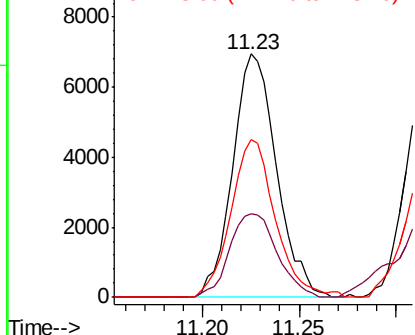
#62
 1,3-Dichlorobenzene
 Concen: 0.511 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:146 Resp: 10951
 Ion Ratio Lower Upper
 146 100
 111 34.4 27.1 50.3
 148 64.9 44.5 82.7

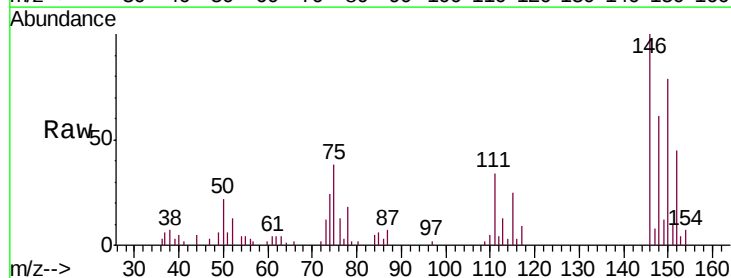


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

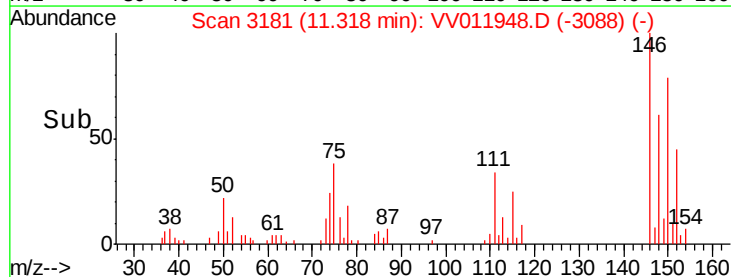
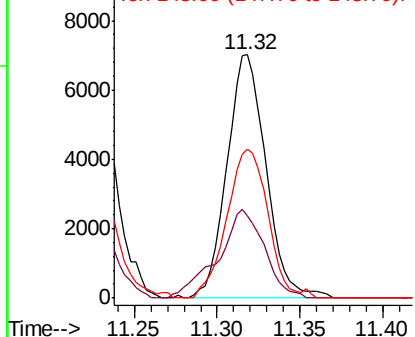


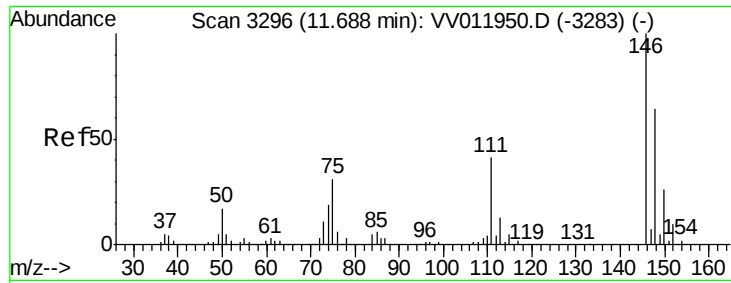
#63
 1,4-Dichlorobenzene
 Concen: 0.523 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion:146 Resp: 11490
 Ion Ratio Lower Upper
 146 100
 111 34.1 26.0 48.2
 148 61.4 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.491 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

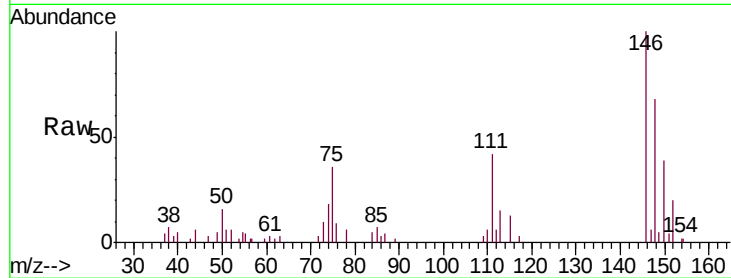
Tgt Ion: 146 Resp: 9795

Ion Ratio Lower Upper

146 100

111 41.6 32.5 48.7

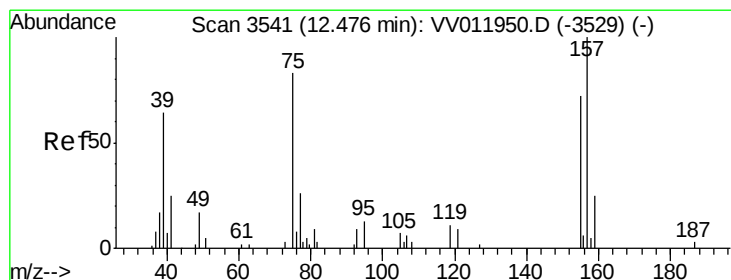
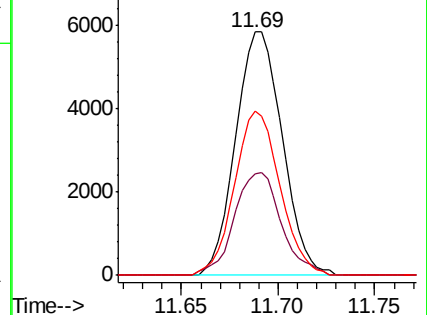
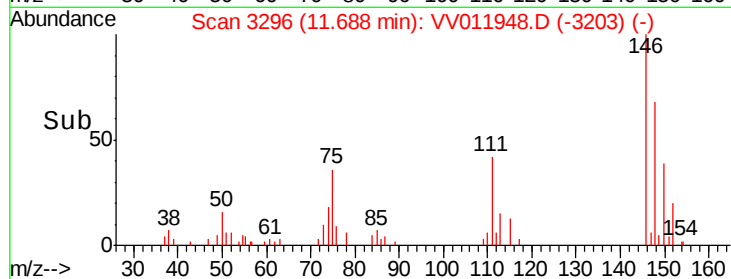
148 67.5 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.478 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

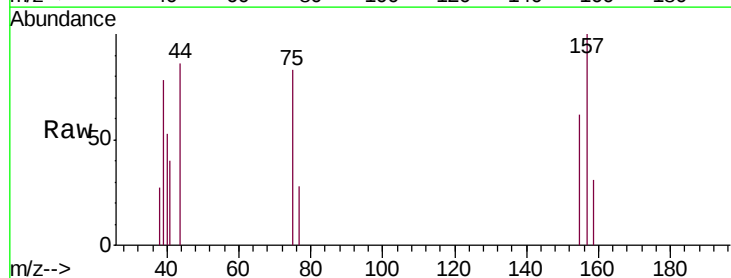
Tgt Ion: 75 Resp: 540

Ion Ratio Lower Upper

75 100

155 74.8 69.5 104.3

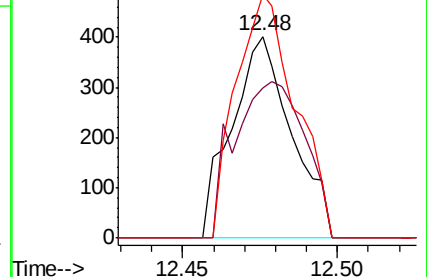
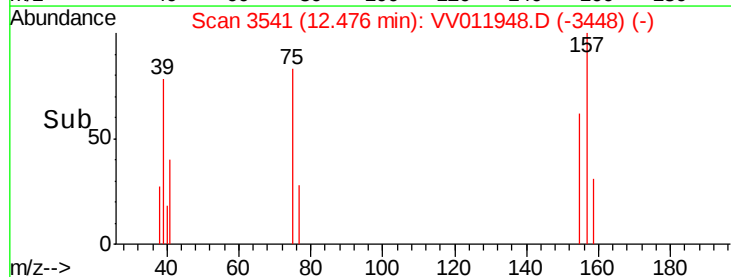
157 120.9 96.2 144.2

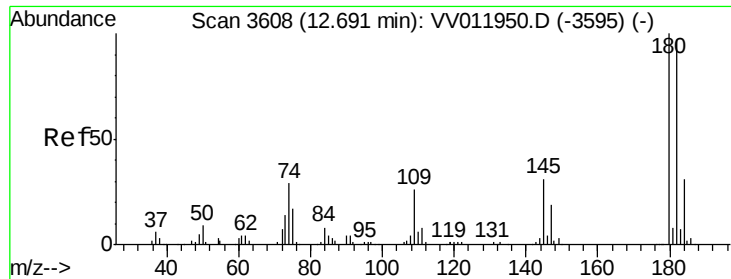


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

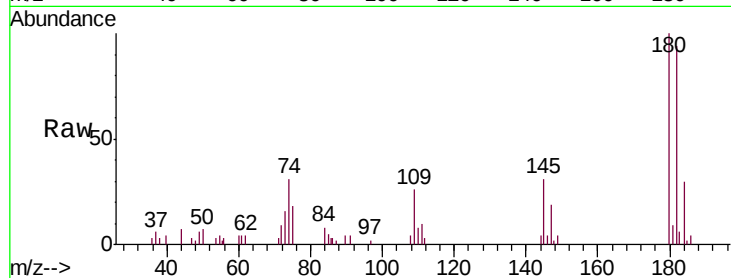




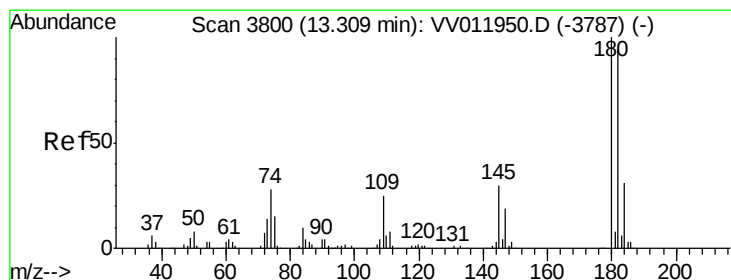
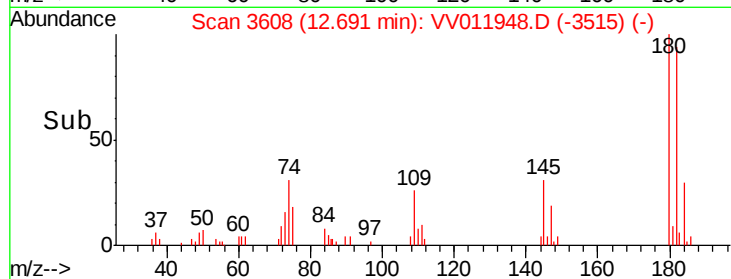
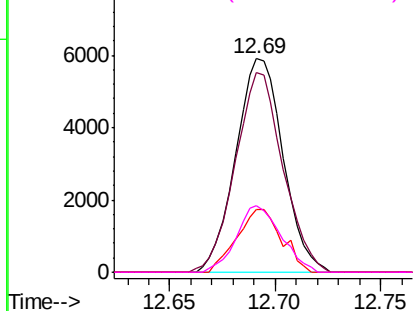
#67
 1,3,5-Trichlorobenzene
 Concen: 0.545 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:180 Resp: 9221
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.4 116.0
 184 27.8 25.2 37.8
 145 29.2 24.4 36.6

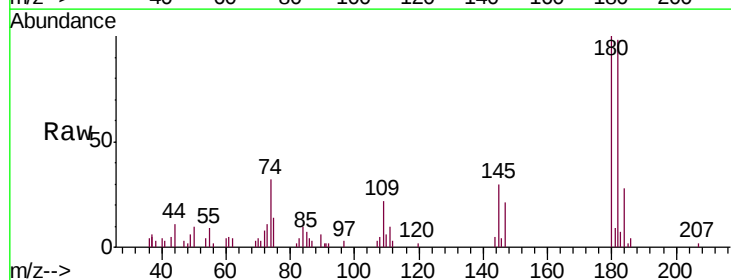


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

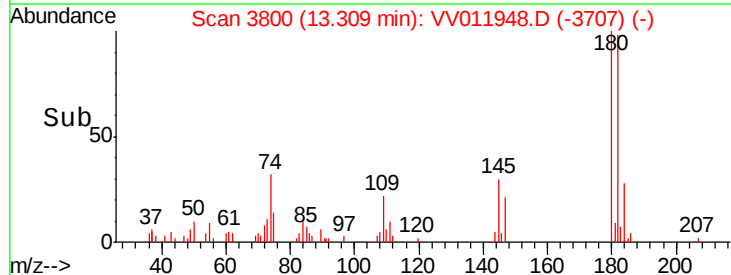
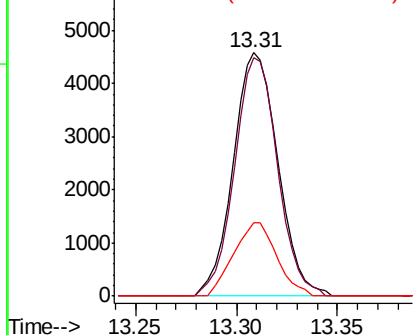


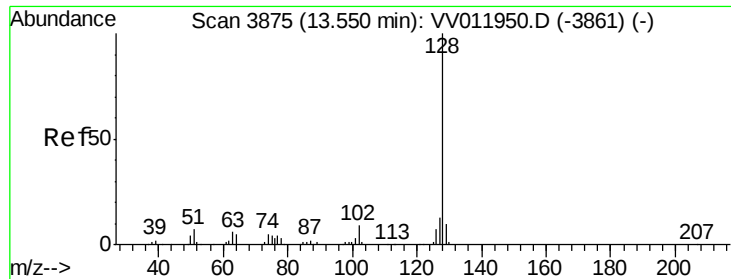
#68
 1,2,4-trichlorobenzene
 Concen: 0.529 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011948.D
 Acq: 22 Jul 2019 14:57

Tgt Ion:180 Resp: 7099
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.8
 145 29.1 23.4 35.2



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: 0.503 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

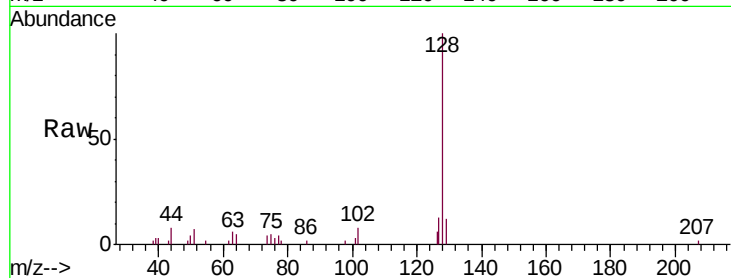
Tgt Ion:128 Resp: 10341

Ion Ratio Lower Upper

128 100

129 11.9 8.2 12.2

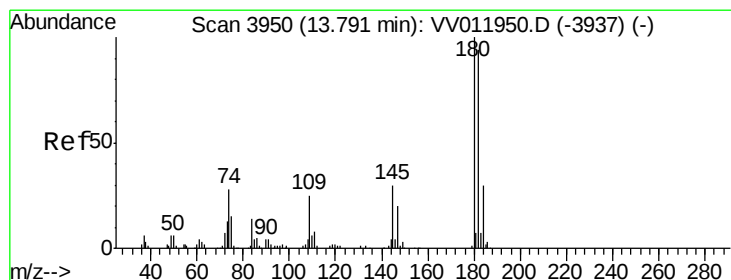
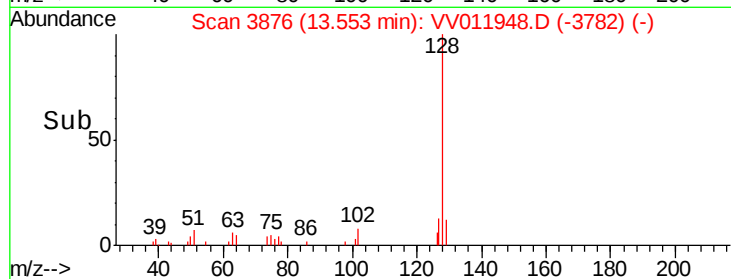
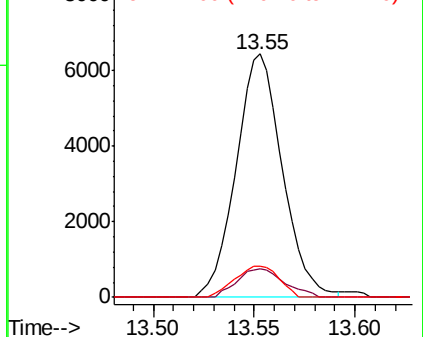
127 12.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.535 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011948.D

Acq: 22 Jul 2019 14:57

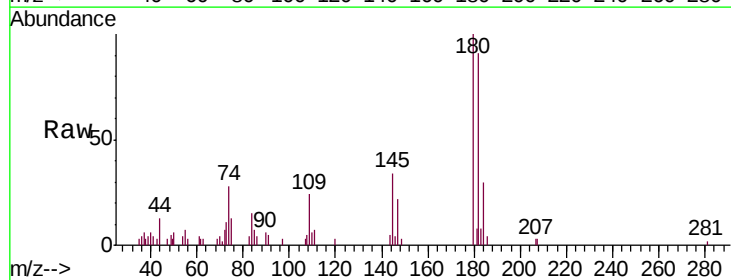
Tgt Ion:180 Resp: 6493

Ion Ratio Lower Upper

180 100

182 93.8 75.5 113.3

145 33.1 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

