

Data File : VV011864.D
Acq On : 12 Jul 2019 11:38
Operator : SY/MD
Sample : VSTD00531
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Quant Time: Jul 13 03:40:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 03:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	199494	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193024	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	94724	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68463	5.15	ug/L	0.00
7) Chloroethane-d5	1.59	69	54443	5.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	132664	5.11	ug/L	0.00
20) 2-Butanone-d5	3.96	46	139341	44.11	ug/L	0.00
24) Chloroform-d	4.40	84	122465	4.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	59403	4.46	ug/L	0.00
32) Benzene-d6	5.10	84	244581	4.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	75760	4.83	ug/L	0.00
41) Toluene-d8	7.36	98	235713	5.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	28458	5.17	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	114559	46.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49017	4.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	80727	4.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	100411	5.308	ug/L 100
3) Chloromethane	1.25	50	98924	5.214	ug/L 100
5) Vinyl chloride	1.32	62	96586	5.406	ug/L 100
6) Bromomethane	1.54	94	54489	5.692	ug/L 100
8) Chloroethane	1.60	64	55674	5.442	ug/L 100
9) Trichlorofluoromethane	1.77	101	132438	5.623	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72415	5.496	ug/L 100
12) 1,1-Dichloroethene	2.14	96	66420	5.447	ug/L 100
13) Acetone	2.21	43	114212	50.683	ug/L 100
14) Carbon disulfide	2.32	76	184859	5.622	ug/L 100
15) Methyl Acetate	2.47	43	29311	4.612	ug/L 100
16) Methylene chloride	2.54	84	67951	4.737	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	154535	5.014	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	71866	5.266	ug/L 100
19) 1,1-Dichloroethane	3.23	63	131457	4.973	ug/L 100
21) 2-Butanone	4.04	43	177207	49.140	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	76132	5.254	ug/L 100
23) Bromochloromethane	4.30	128	32618	5.398	ug/L 100
25) Chloroform	4.43	83	141135	4.931	ug/L 100
27) 1,2-Dichloroethane	5.18	62	85629	4.913	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	120858	5.337	ug/L 100
30) Cyclohexane	4.73	56	123244	5.160	ug/L 100
31) Carbon tetrachloride	4.88	117	107555	5.518	ug/L 100
33) Benzene	5.15	78	305626	5.353	ug/L 100
34) Trichloroethene	5.96	95	84806	5.595	ug/L 100
35) Methylcyclohexane	6.18	83	136051	5.535	ug/L 100
37) 1,2-Dichloropropane	6.22	63	78775	5.379	ug/L 100
38) Bromodichloromethane	6.56	83	97459	5.619	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	116184	5.836	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	500761	55.294	ug/L 100

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

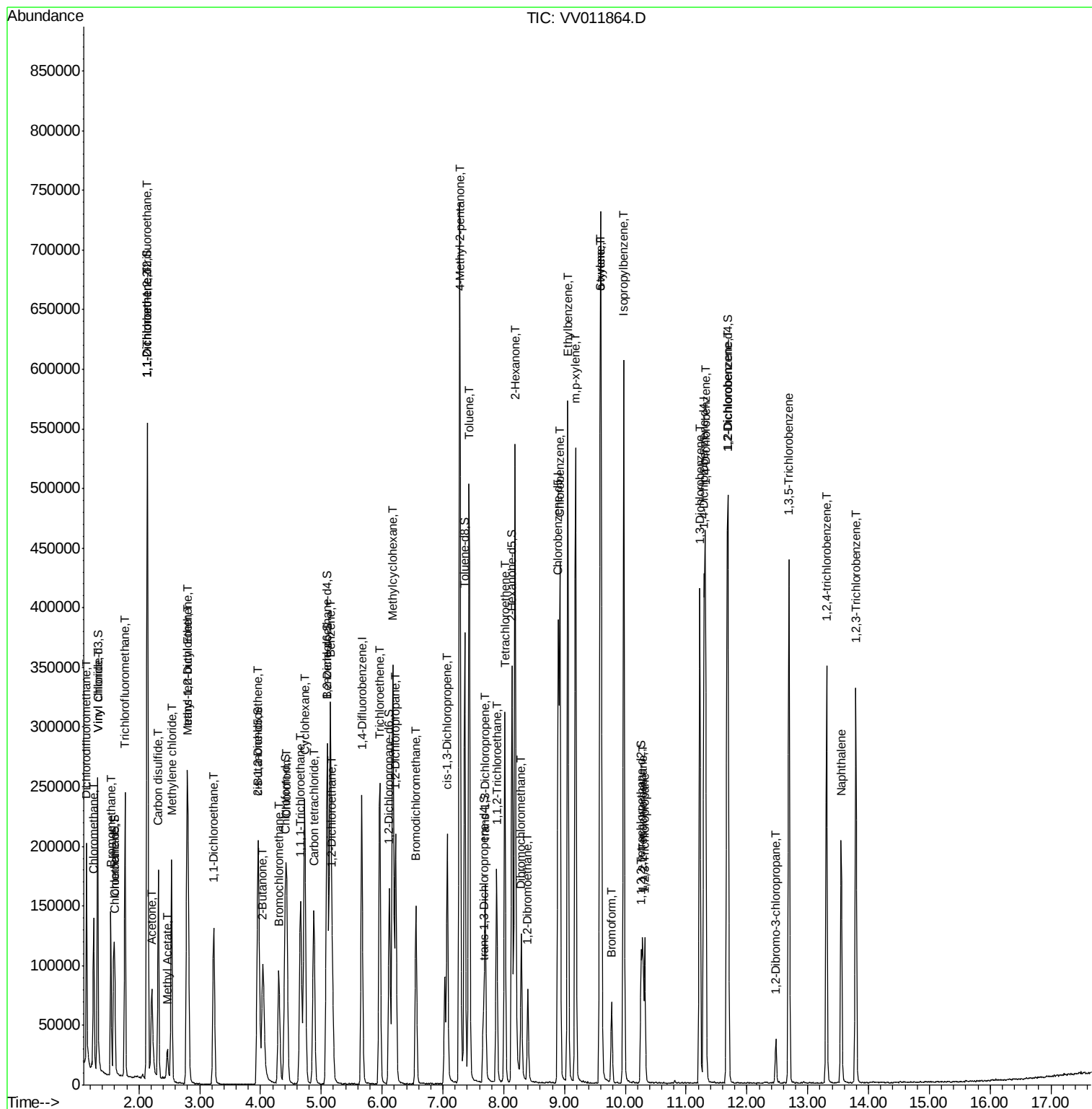
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	342173	5.628	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	85587	5.616	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	52291	5.516	ug/L	100
47) Tetrachloroethene	8.02	164	65501	5.546	ug/L	100
48) 2-Hexanone	8.19	43	356676	55.801	ug/L	100
49) Dibromochloromethane	8.29	129	56736	5.622	ug/L	100
50) 1,2-Dibromoethane	8.40	107	48170	5.488	ug/L	100
51) Chlorobenzene	8.93	112	211699	5.498	ug/L	100
52) Ethylbenzene	9.05	91	372018	5.507	ug/L	100
53) m,p-xylene	9.18	106	140928	5.685	ug/L	100
54) o-xylene	9.59	106	133824	5.624	ug/L	100
55) Styrene	9.60	104	231354	5.788	ug/L	100
56) Isopropylbenzene	9.97	105	361285	5.605	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	53803	4.794	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	45973	5.405	ug/L	100
61) Bromoform	9.78	173	28209	5.515	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	157881	5.366	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	161627	5.364	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	151116	5.425	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8811	5.025	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	125829	5.508	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	99950	5.435	ug/L	100
69) Naphthalene	13.55	128	152637	5.263	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	93295	5.490	ug/L	100

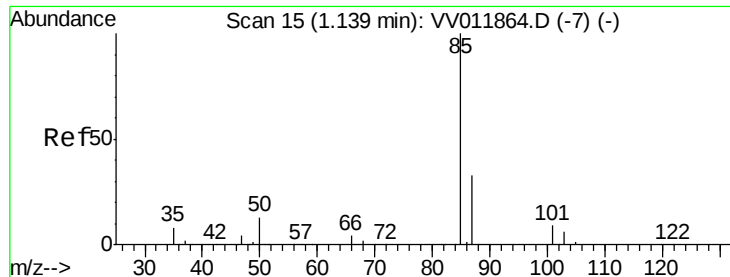
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.308 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampled :

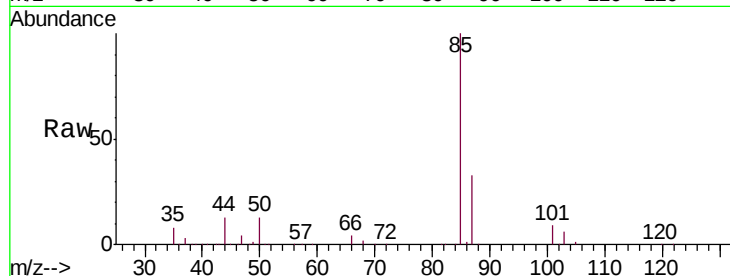
VSTD00531

Tgt Ion: 85 Resp: 100411

Ion Ratio Lower Upper

85 100

87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011864.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011864.D (-7) (-)

1.14

100000

80000

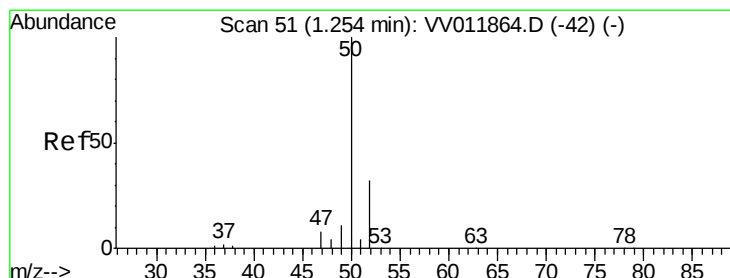
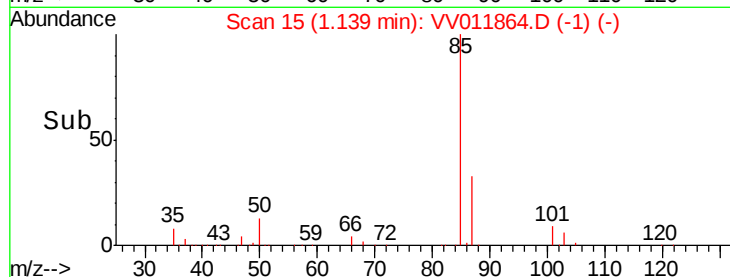
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.214 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011864.D

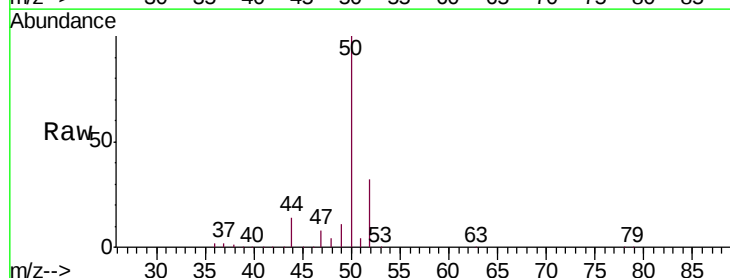
Acq: 12 Jul 2019 11:38

Tgt Ion: 50 Resp: 98924

Ion Ratio Lower Upper

50 100

52 31.5 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV011864.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011864.D (-42) (-)

1.25

80000

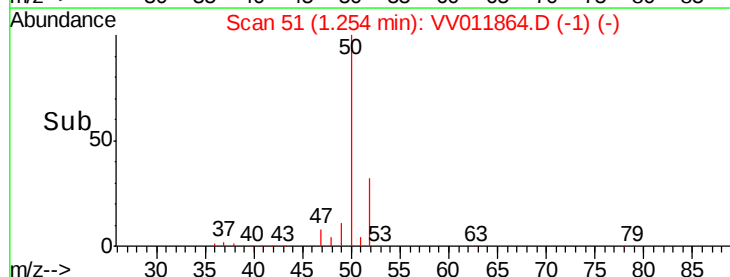
60000

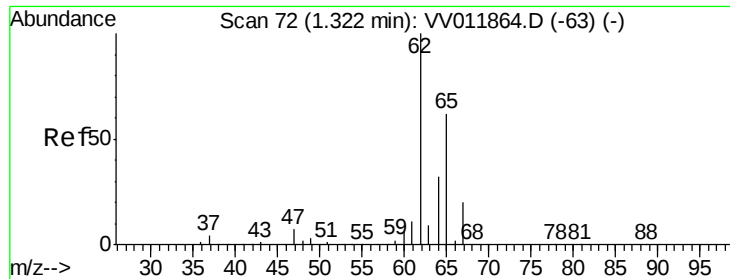
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.406 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

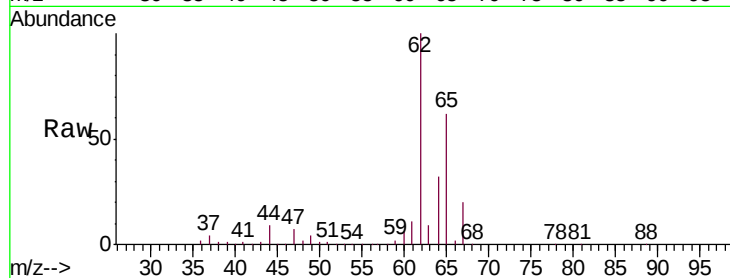
VSTD00531

Tgt Ion: 62 Resp: 96586

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

100000

80000

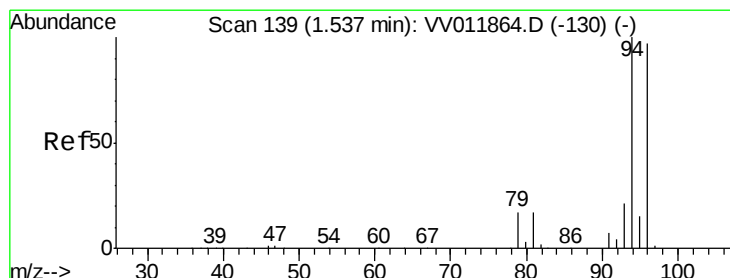
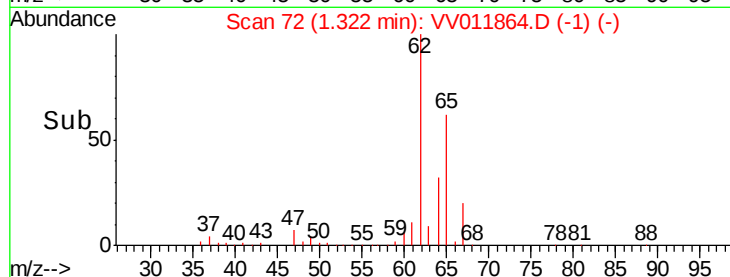
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 5.692 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011864.D

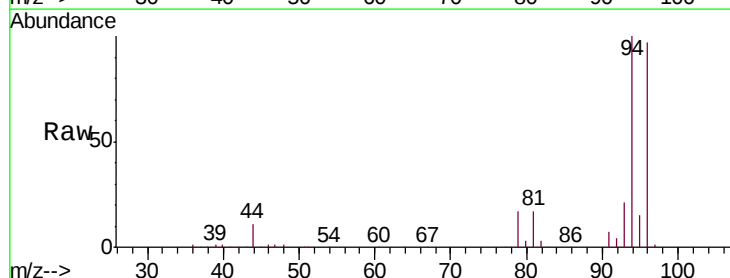
Acq: 12 Jul 2019 11:38

Tgt Ion: 94 Resp: 54489

Ion Ratio Lower Upper

94 100

96 97.0 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

50000

40000

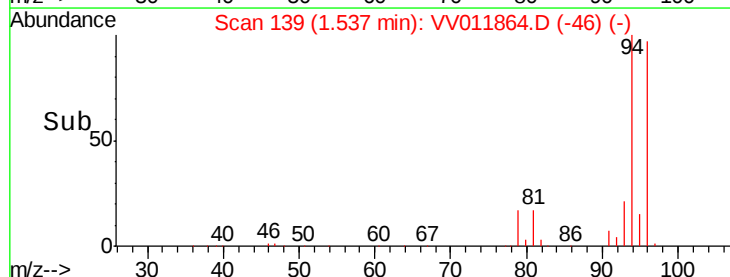
30000

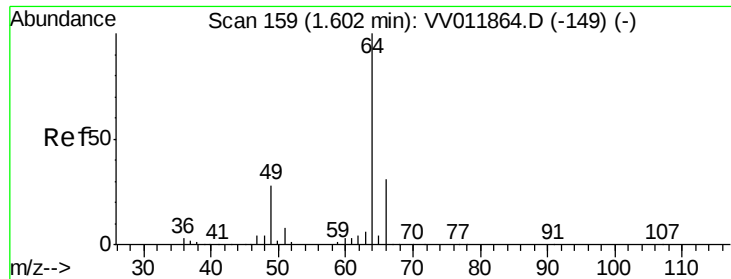
20000

10000

0

Time-->

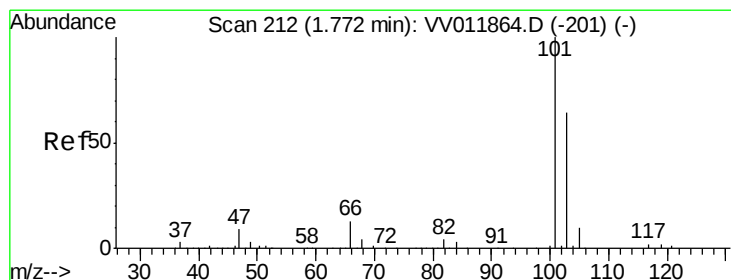
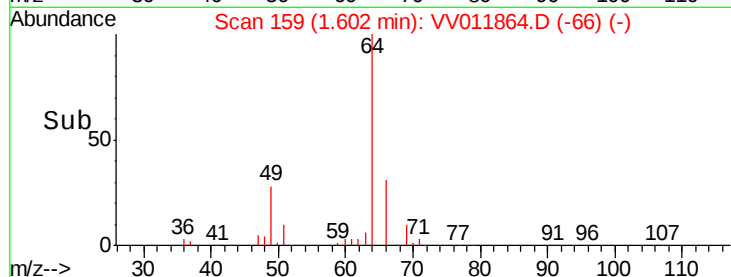
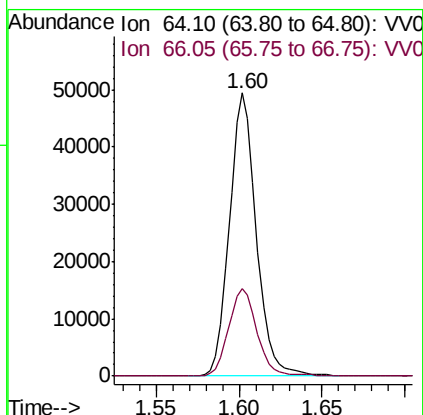
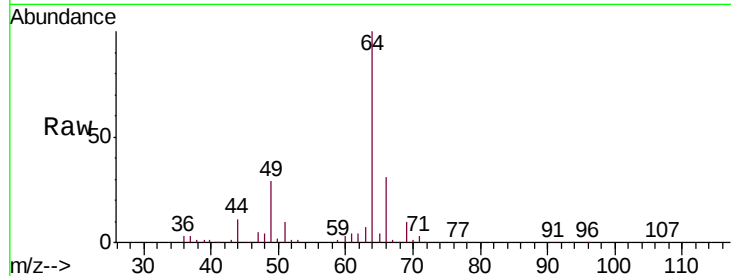




#8
Chloroethane
Concen: 5.442 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

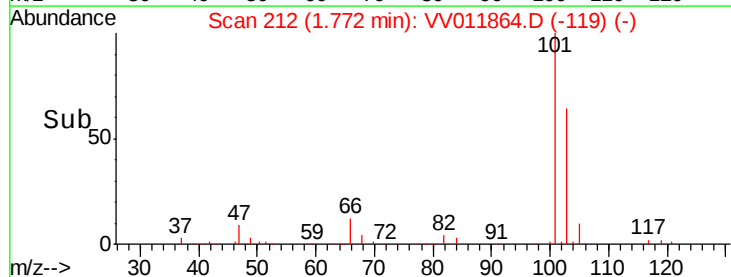
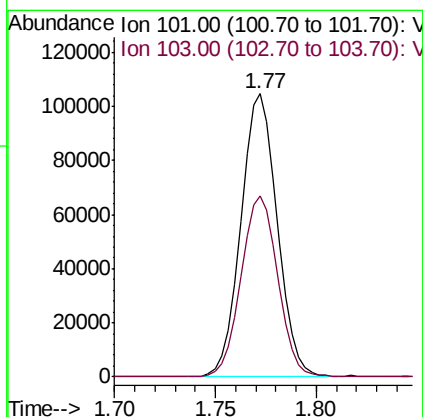
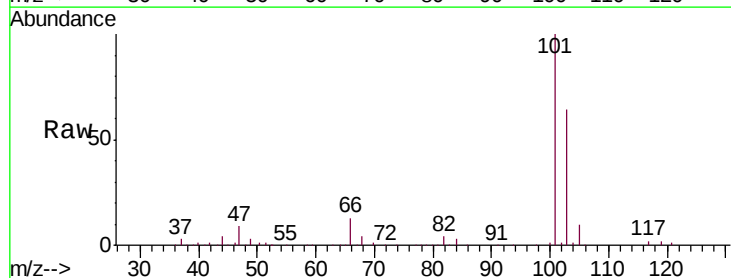
Instrument :
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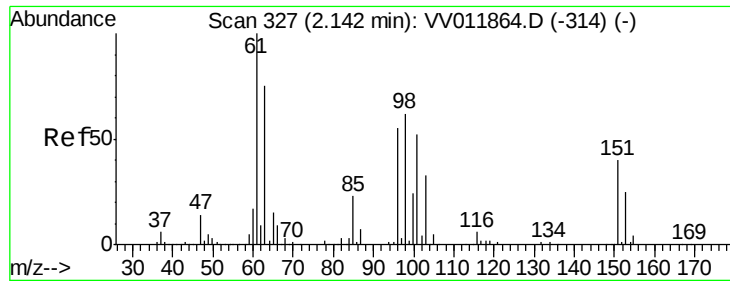
Tgt Ion: 64 Resp: 55674
Ion Ratio Lower Upper
64 100
66 31.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 5.623 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion: 101 Resp: 132438
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 5.496 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

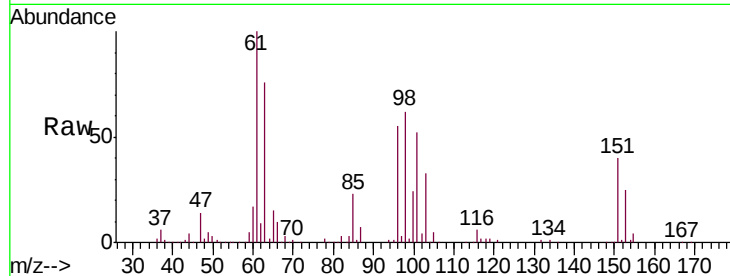
Tgt Ion:101 Resp: 72415

Ion Ratio Lower Upper

101 100

85 43.5 34.8 52.2

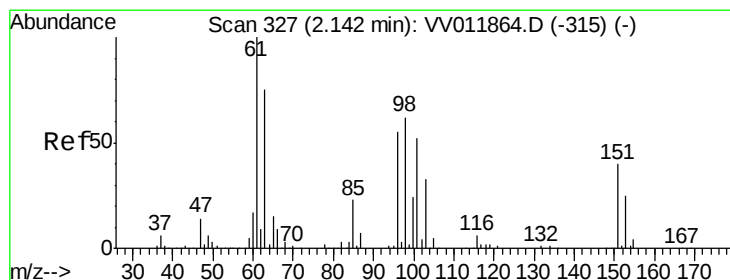
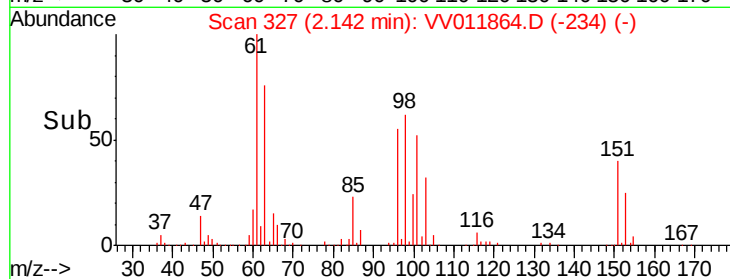
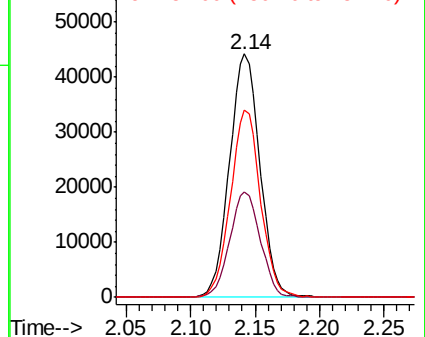
151 76.0 60.8 91.2



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: 5.447 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

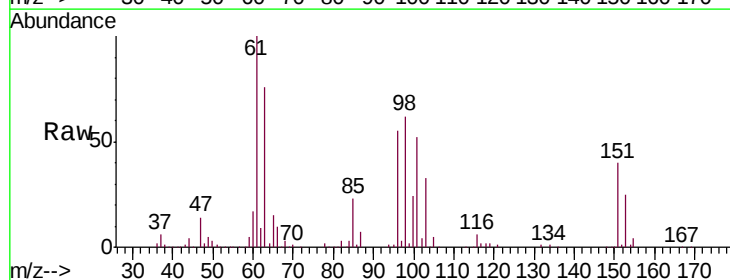
Tgt Ion: 96 Resp: 66420

Ion Ratio Lower Upper

96 100

61 183.0 128.1 237.9

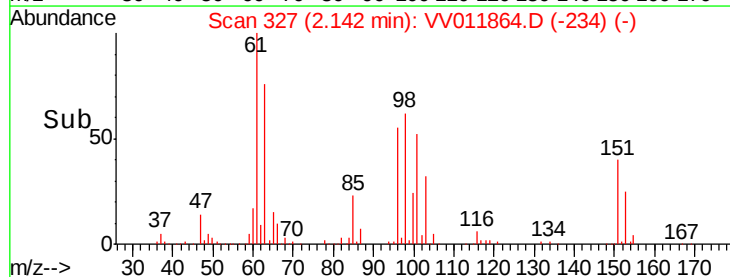
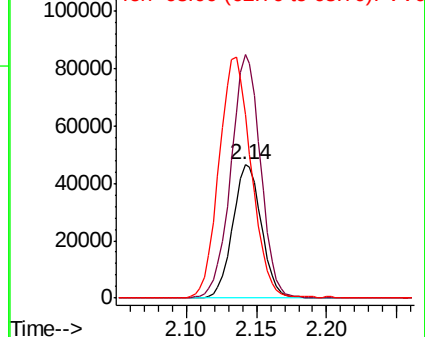
63 138.1 96.7 179.5

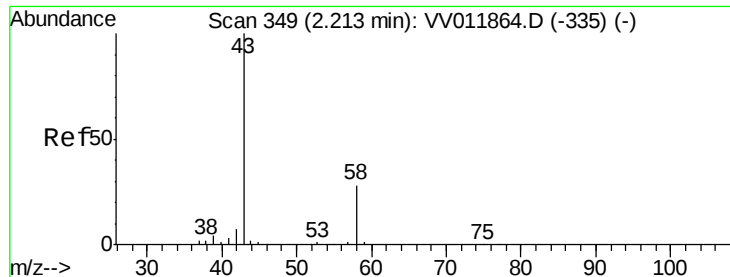


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.683 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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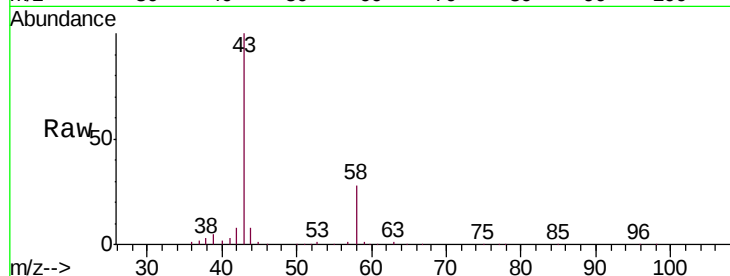
VSTD00531

Tgt Ion: 43 Resp: 114212

Ion Ratio Lower Upper

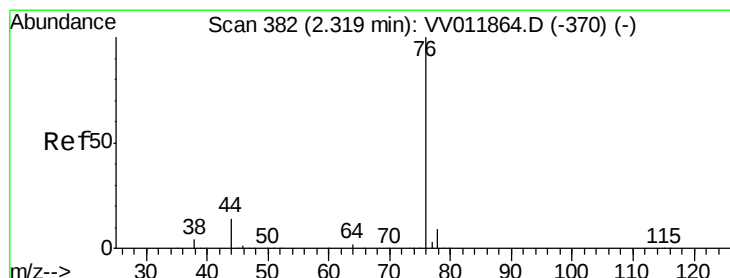
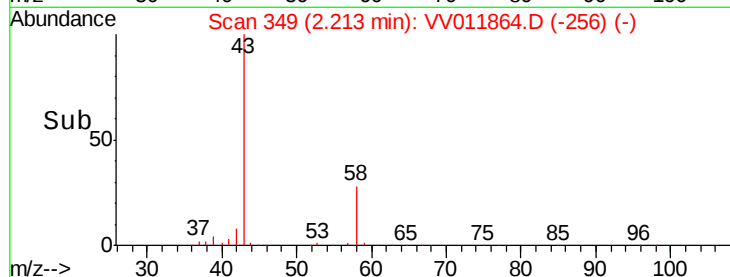
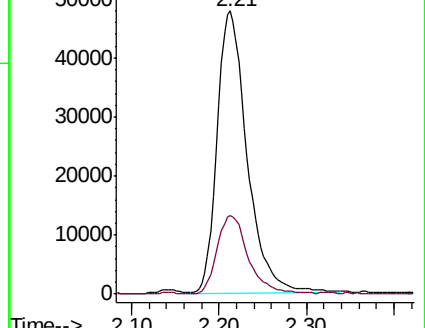
43 100

58 29.2 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011864.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV011864.D (-335) (-)



#14

Carbon disulfide

Concen: 5.622 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011864.D

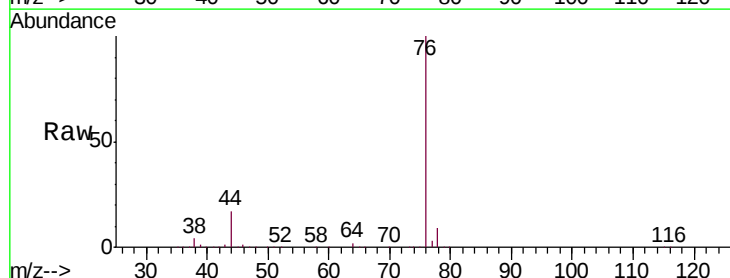
Acq: 12 Jul 2019 11:38

Tgt Ion: 76 Resp: 184859

Ion Ratio Lower Upper

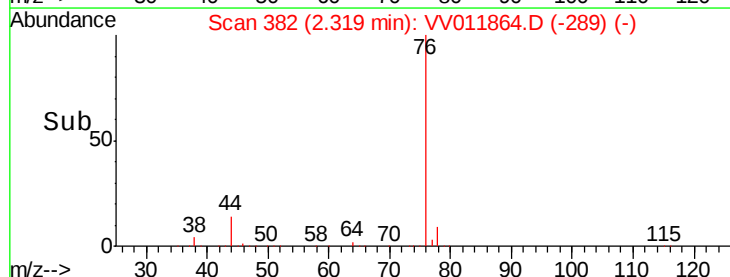
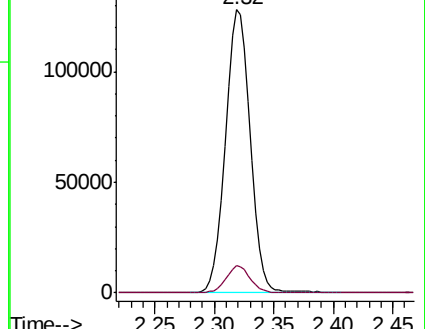
76 100

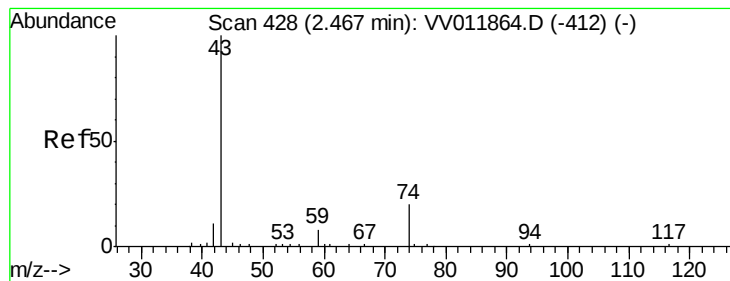
78 9.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV011864.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV011864.D (-370) (-)





#15

Methyl Acetate

Concen: 4.612 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

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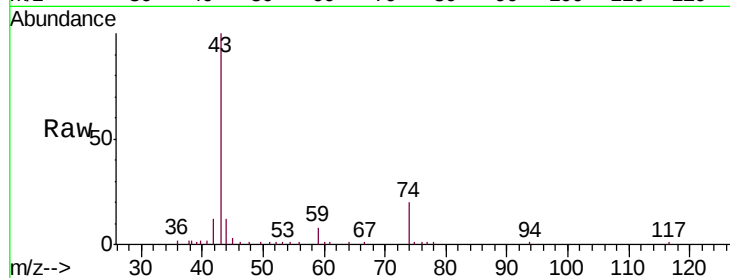
VSTD00531

Tgt Ion: 43 Resp: 29311

Ion Ratio Lower Upper

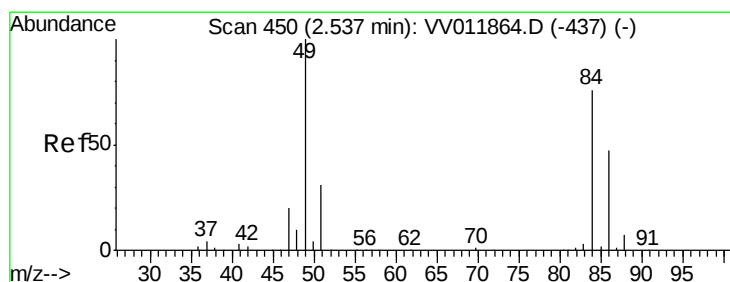
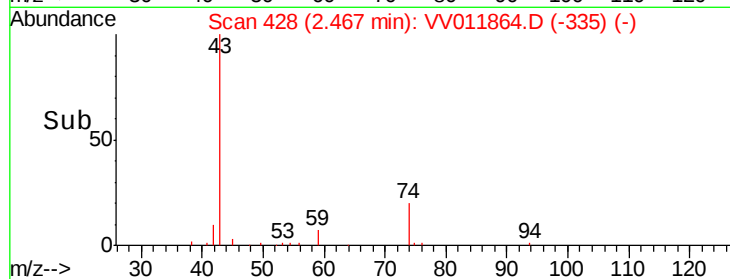
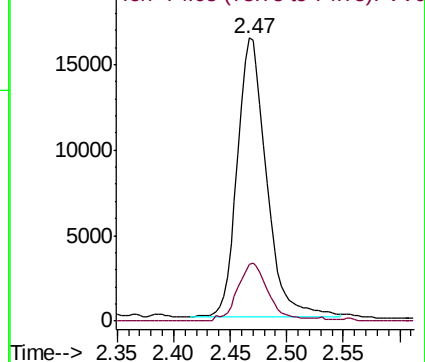
43 100

74 21.7 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.737 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

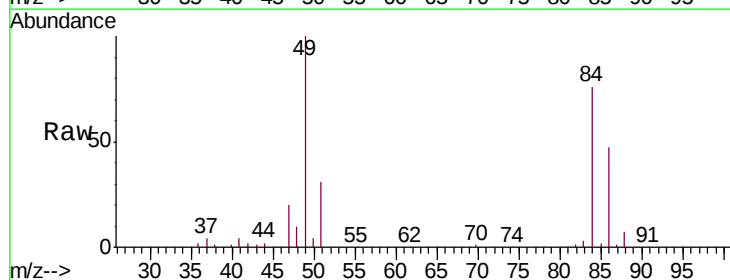
Tgt Ion: 84 Resp: 67951

Ion Ratio Lower Upper

84 100

86 62.7 43.9 81.5

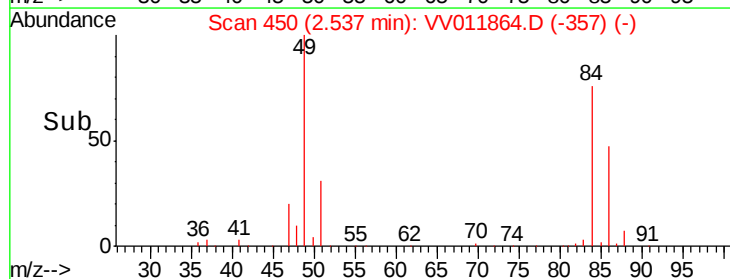
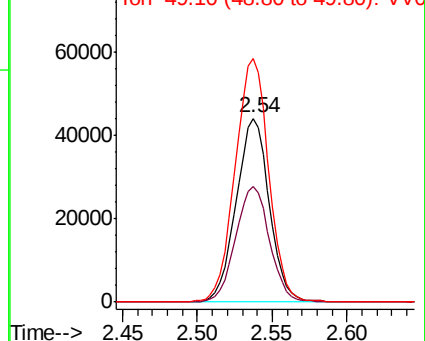
49 132.3 92.6 172.0

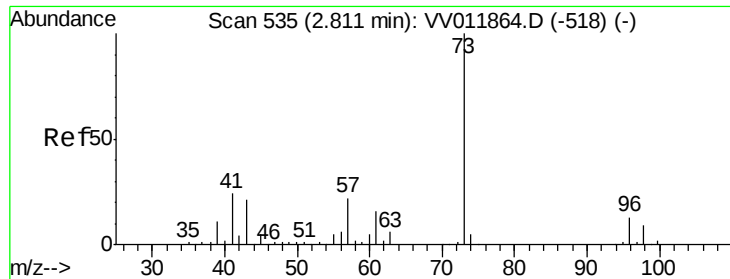


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

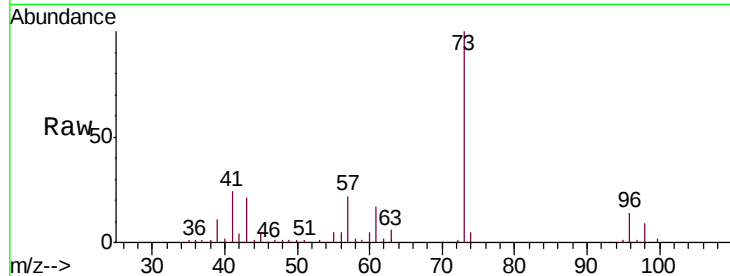




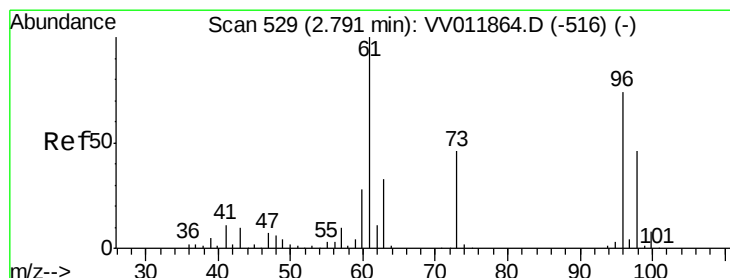
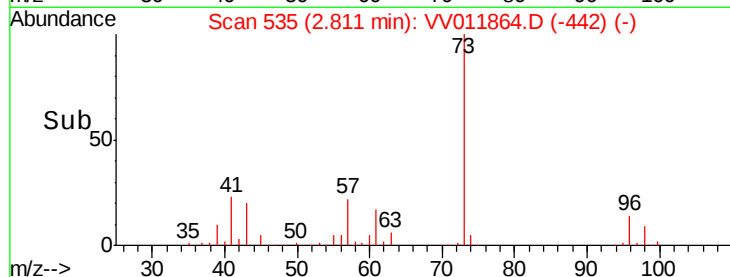
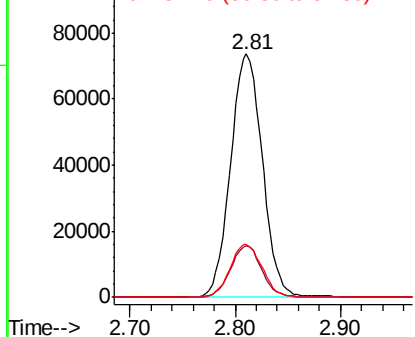
#17
Methyl tert-butyl Ether
Concen: 5.014 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tgt Ion: 73 Resp: 154535
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 21.7 17.4 26.0

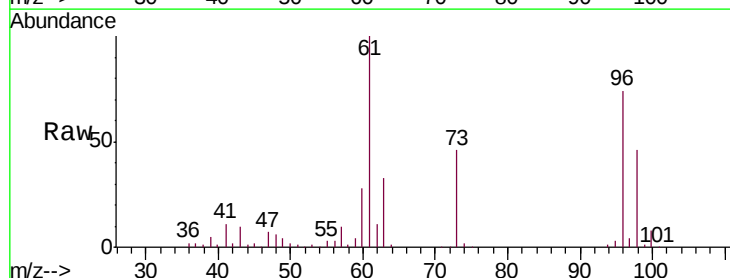


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

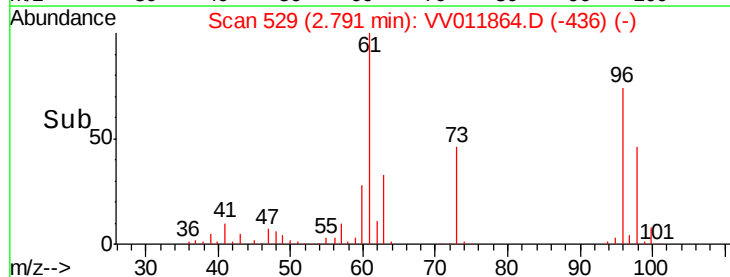
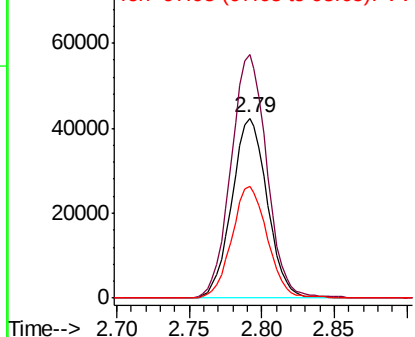


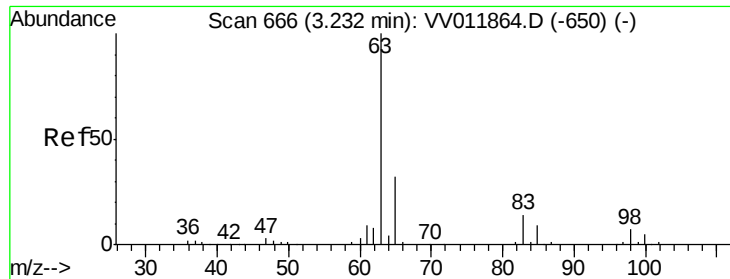
#18
trans-1,2-Dichloroethene
Concen: 5.266 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion: 96 Resp: 71866
Ion Ratio Lower Upper
96 100
61 135.5 94.8 176.2
98 62.0 43.4 80.6



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

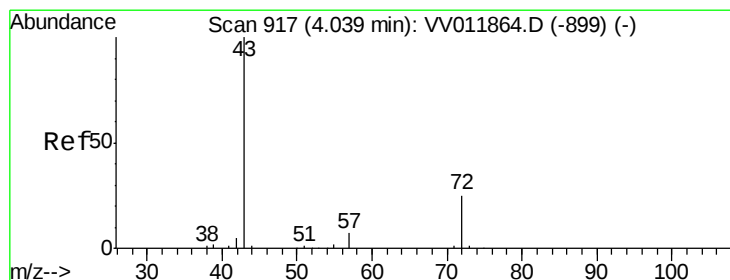
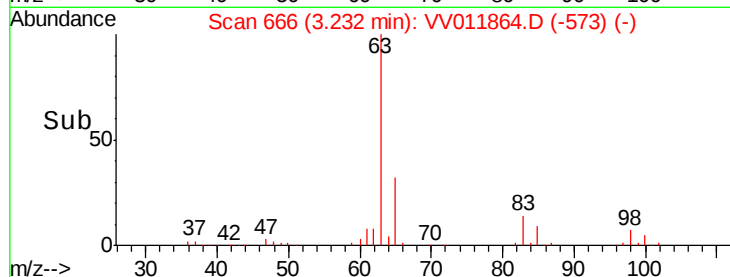
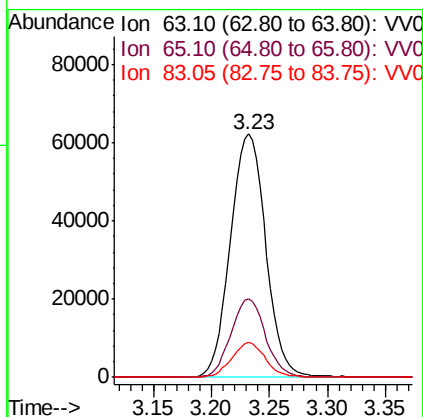
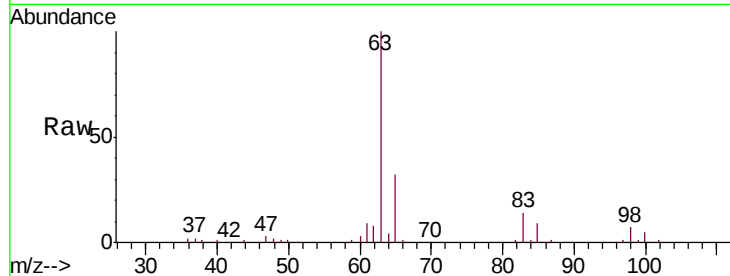




#19
 1,1-Dichloroethane
 Concen: 4.973 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

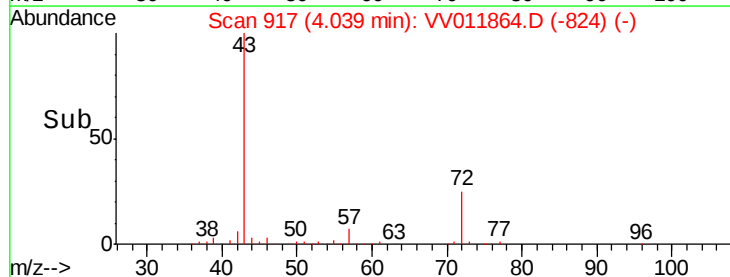
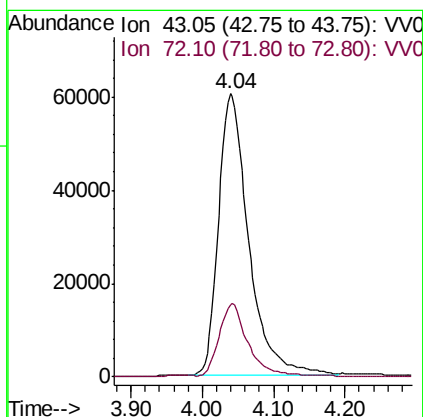
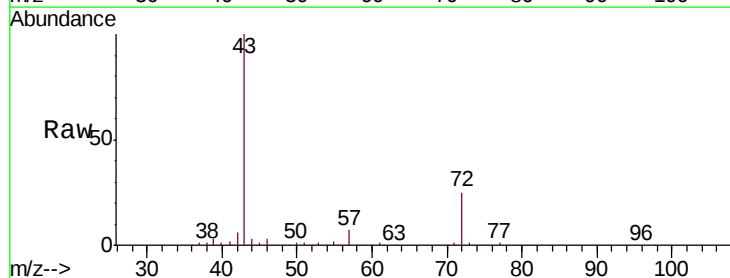
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

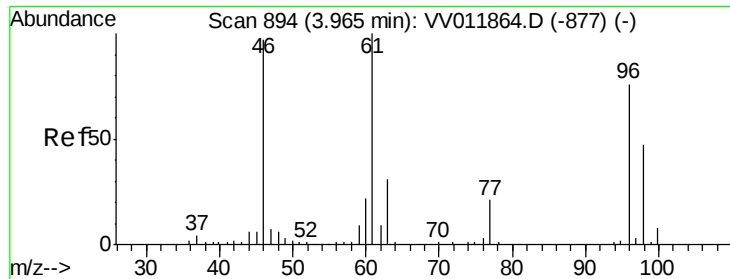
Tgt Ion: 63 Resp: 131457
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.6 42.0
 83 14.3 10.0 18.6



#21
 2-Butanone
 Concen: 49.140 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion: 43 Resp: 177207
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.2 36.4

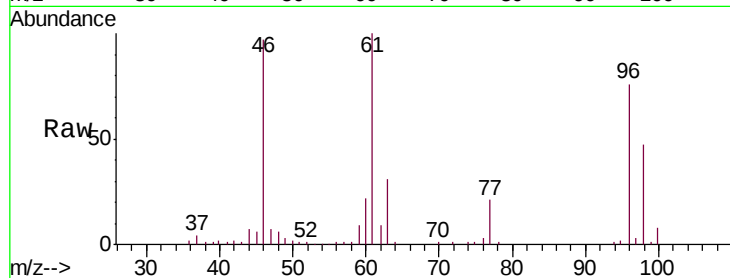




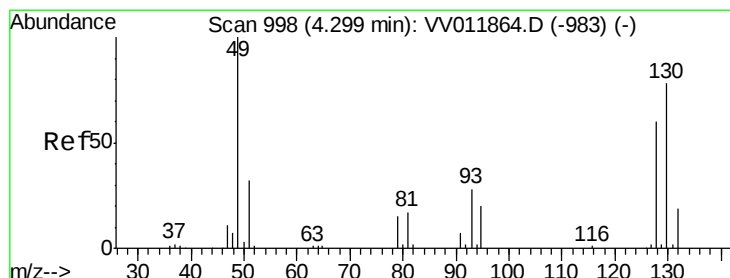
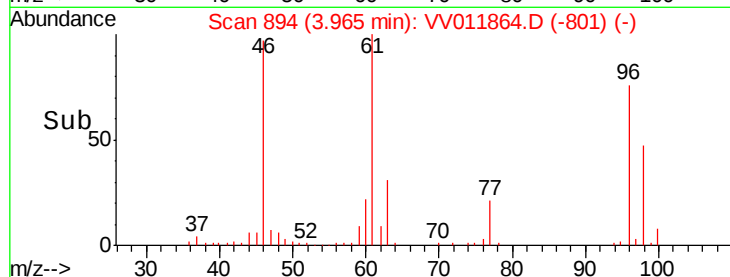
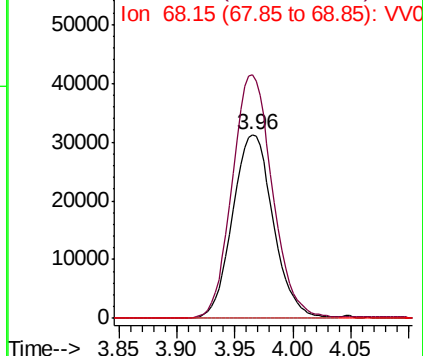
#22
 cis-1,2-Dichloroethene
 Concen: 5.254 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00531

Tgt Ion: 96 Resp: 76132
 Ion Ratio Lower Upper
 96 100
 61 132.3 92.6 172.0
 68 0.0 0.0 0.0

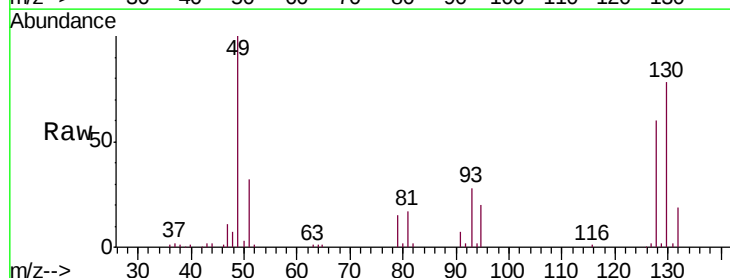


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

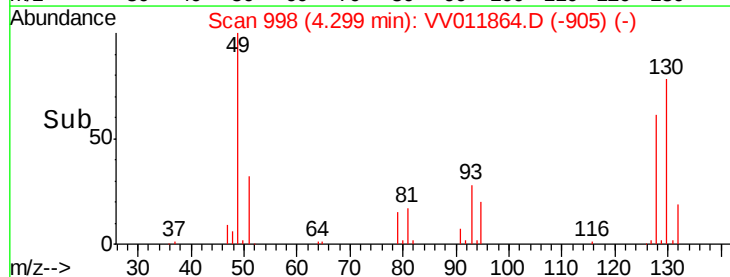
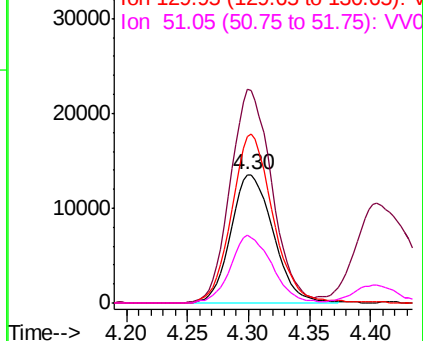


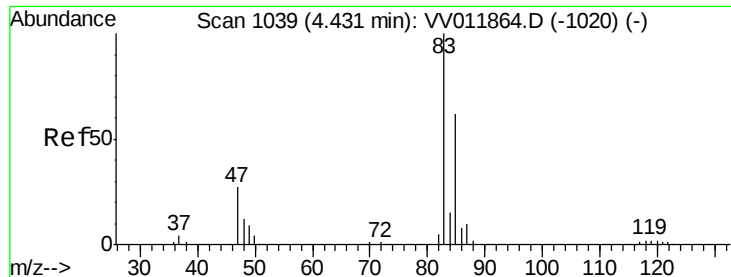
#23
 Bromochloromethane
 Concen: 5.398 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion: 128 Resp: 32618
 Ion Ratio Lower Upper
 128 100
 49 166.2 116.3 216.1
 130 129.0 90.3 167.7
 51 52.5 42.0 63.0



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

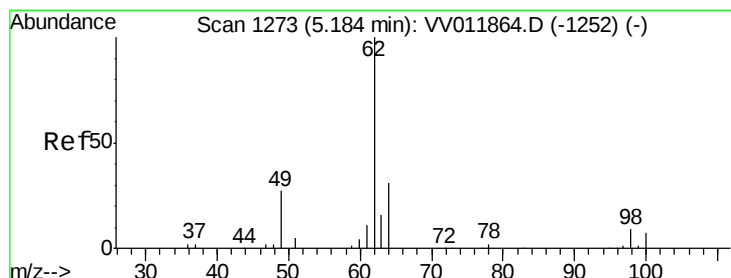
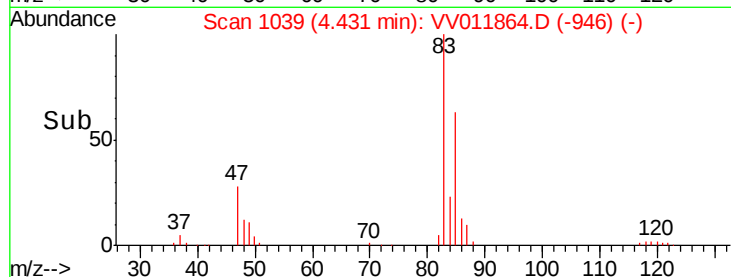
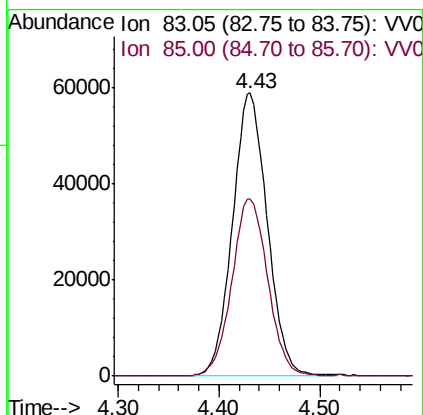
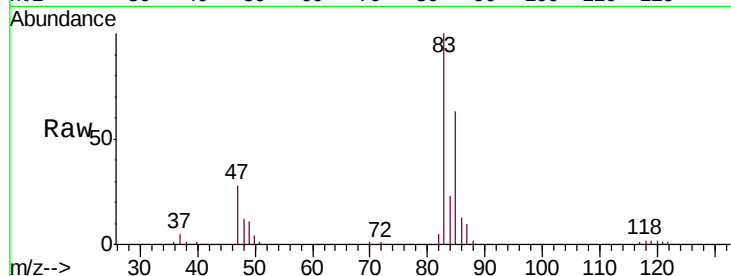




#25
Chloroform
Concen: 4.931 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

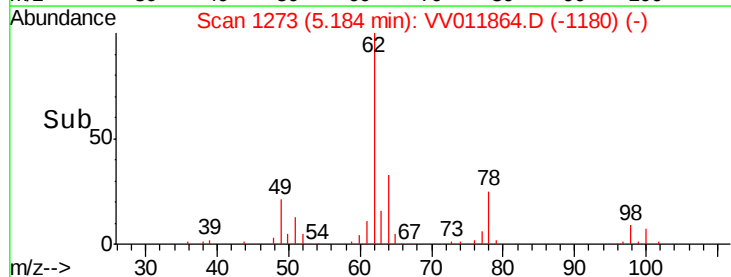
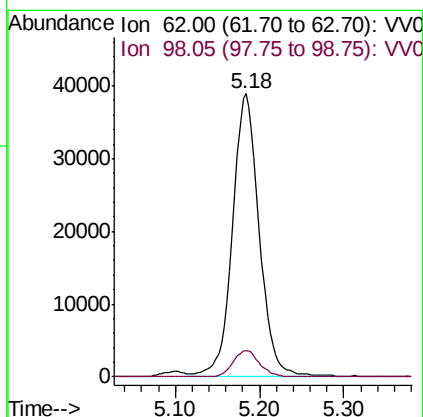
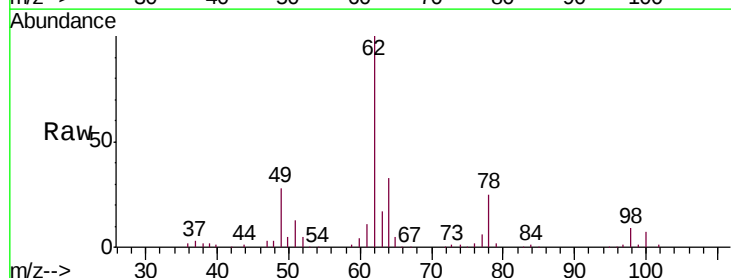
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

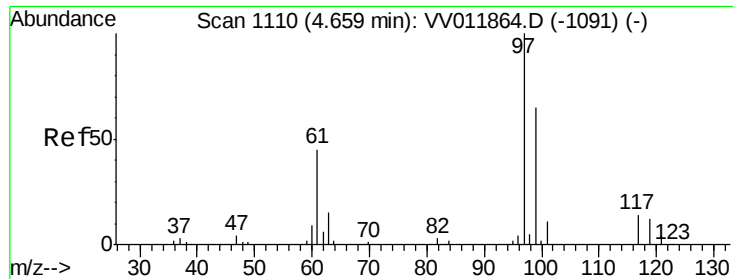
Tgt Ion: 83 Resp: 141135
Ion Ratio Lower Upper
83 100
85 62.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.913 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion: 62 Resp: 85629
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

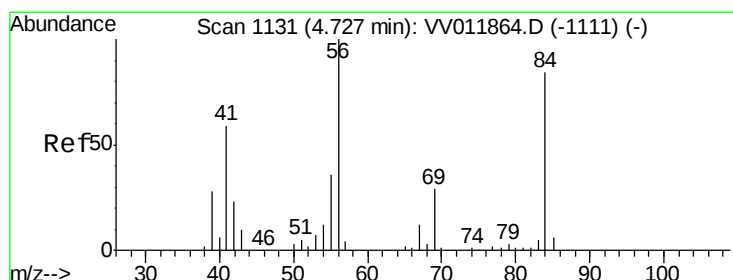
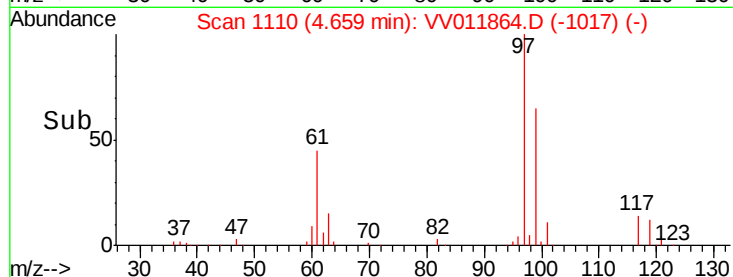
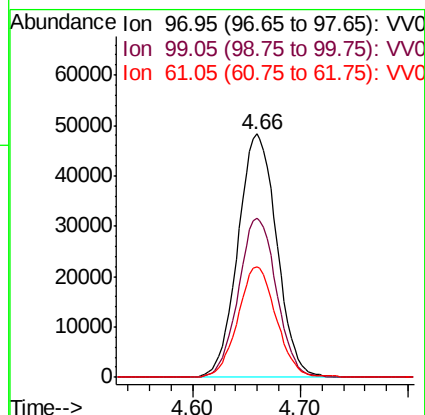
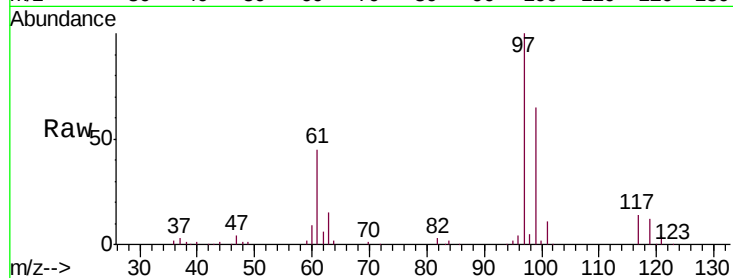




#29
 1,1,1-Trichloroethane
 Concen: 5.337 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

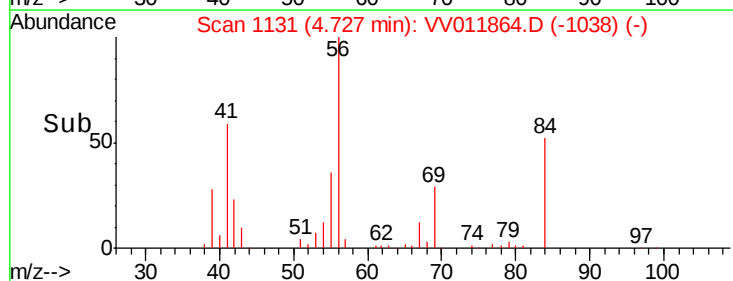
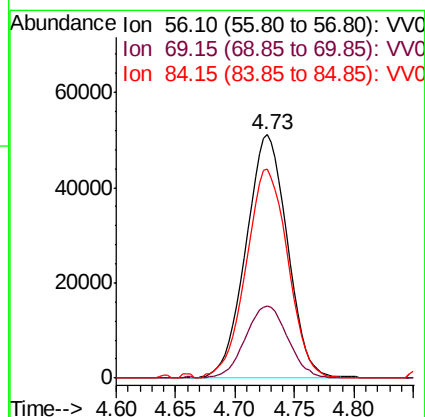
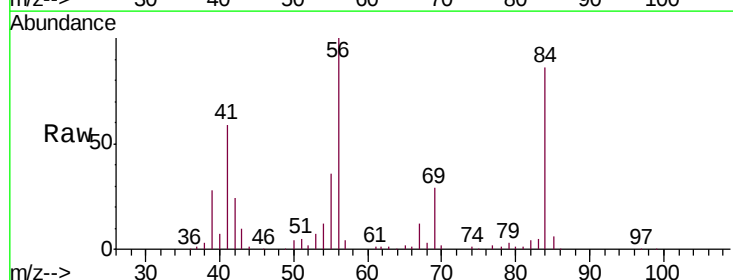
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

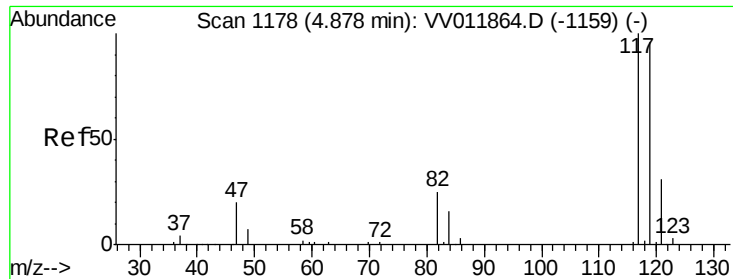
Tgt Ion: 97 Resp: 120858
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 44.8 35.8 53.8



#30
 Cyclohexane
 Concen: 5.160 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion: 56 Resp: 123244
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 87.0 69.6 104.4

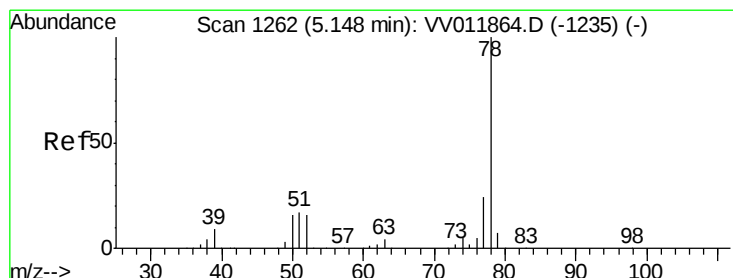
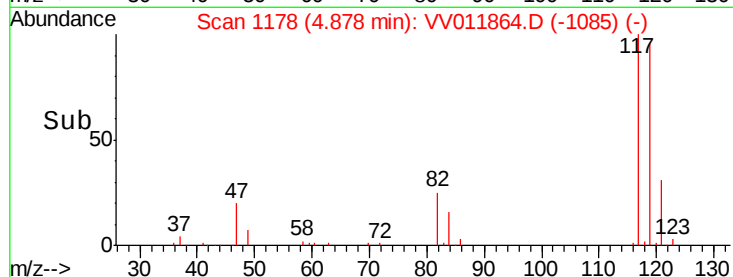
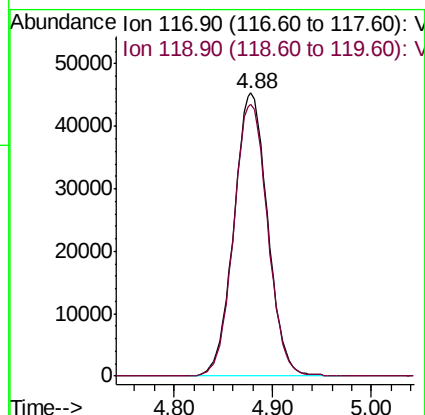
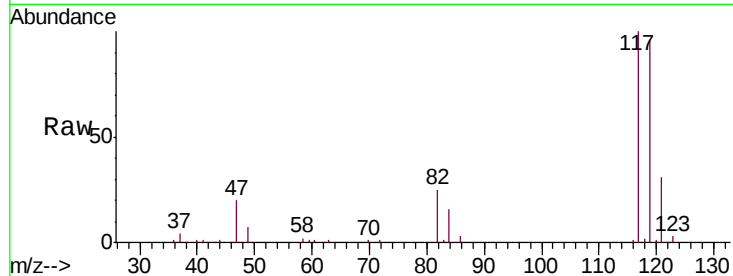




#31
Carbon tetrachloride
Concen: 5.518 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

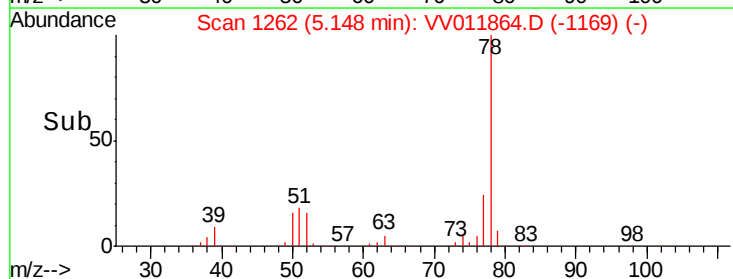
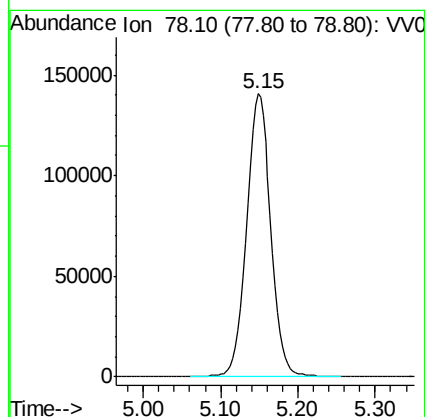
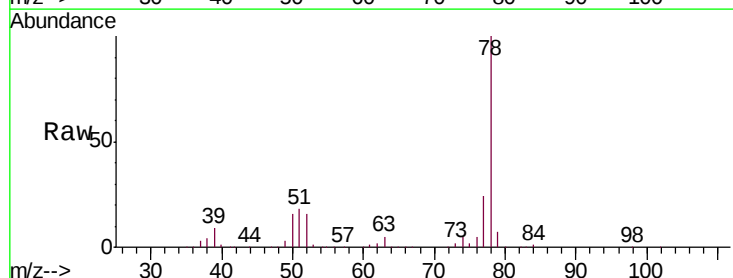
Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

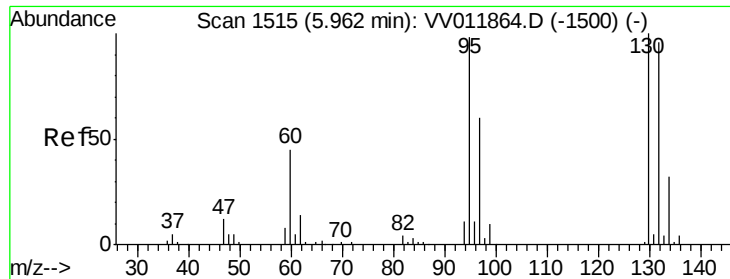
Tgt Ion:117 Resp: 107555
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 5.353 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion: 78 Resp: 305626





#34

Trichloroethene

Concen: 5.595 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

Tgt Ion: 95 Resp: 84806

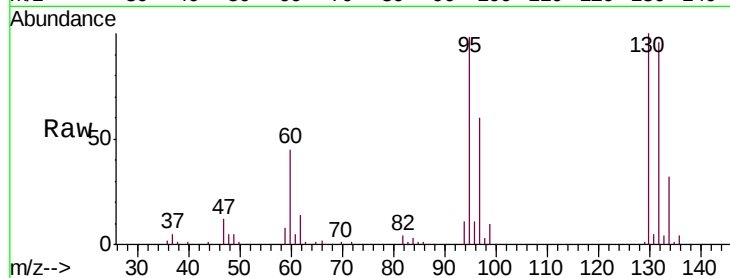
Ion Ratio Lower Upper

95 100

97 61.7 43.2 80.2

132 98.3 68.8 127.8

130 102.4 71.7 133.1

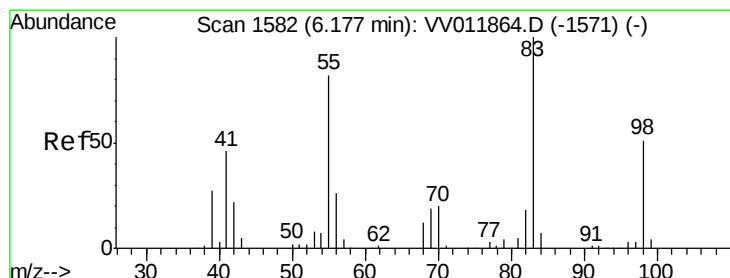
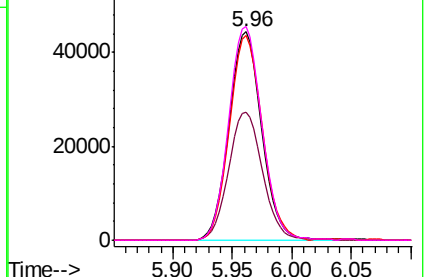
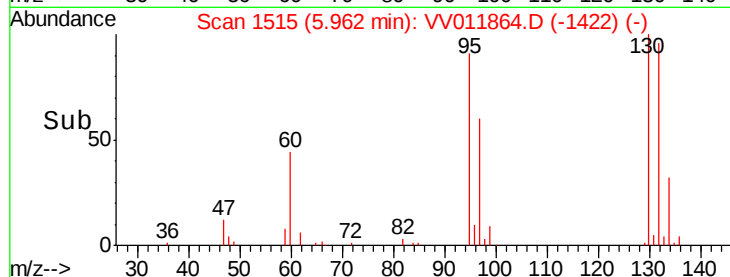


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.535 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

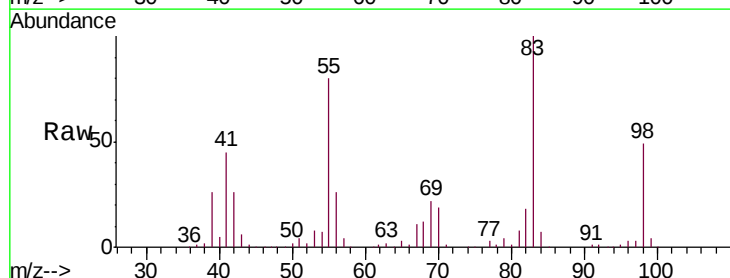
Tgt Ion: 83 Resp: 136051

Ion Ratio Lower Upper

83 100

55 79.5 63.6 95.4

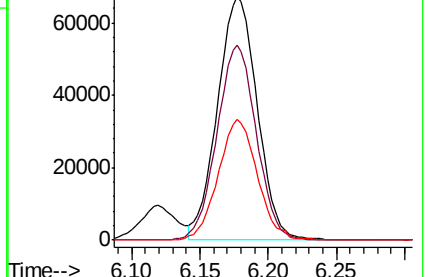
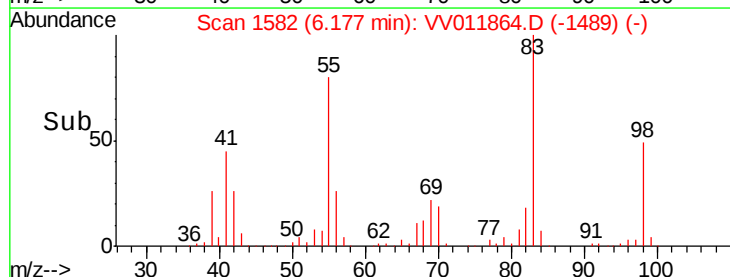
98 48.9 39.1 58.7

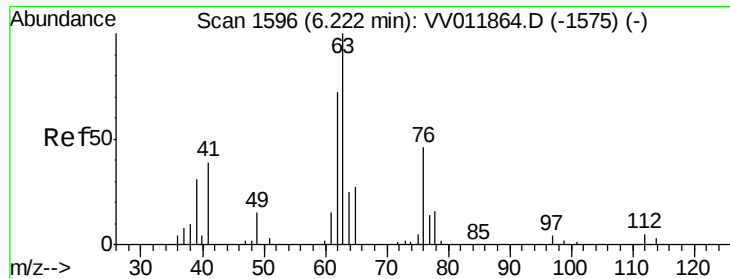


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

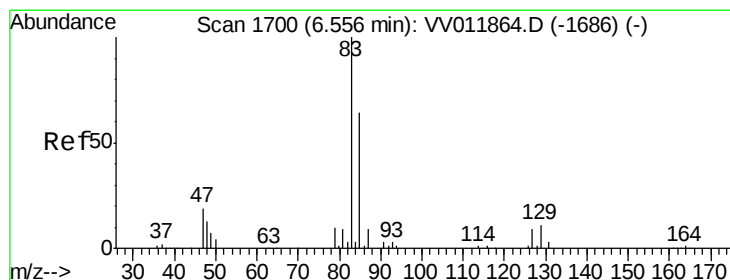
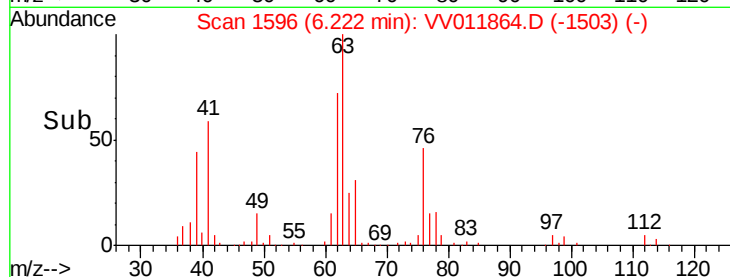
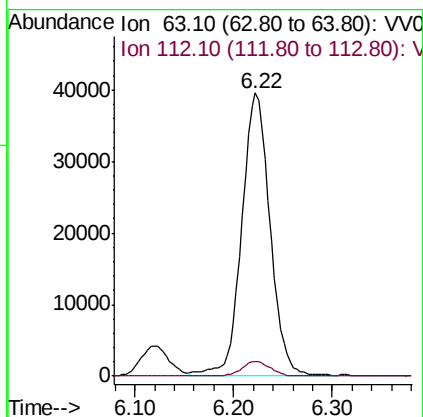
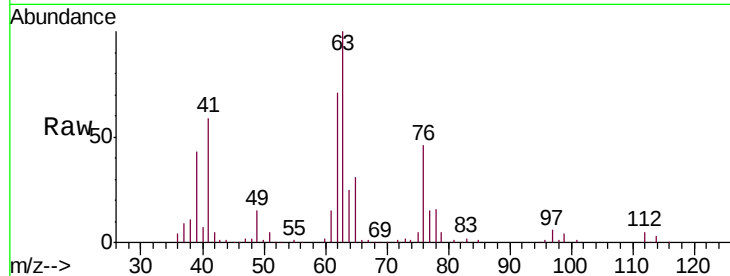




#37
 1,2-Dichloropropane
 Concen: 5.379 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

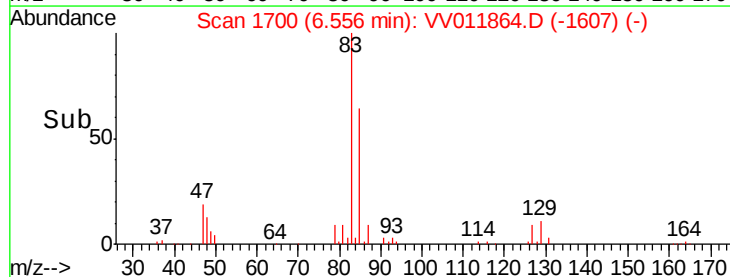
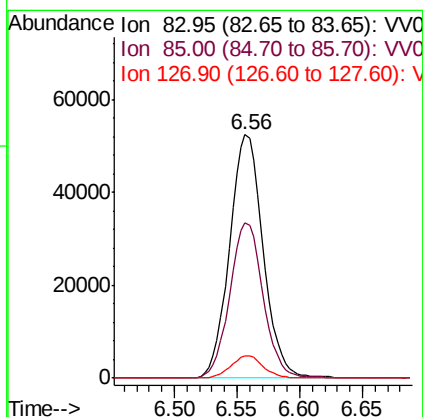
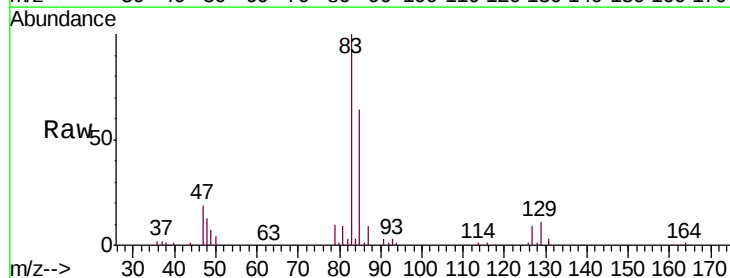
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

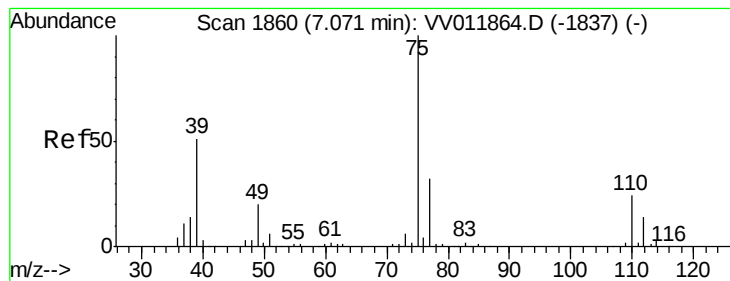
Tgt Ion: 63 Resp: 78775
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.2



#38
 Bromodichloromethane
 Concen: 5.619 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion: 83 Resp: 97459
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 9.2 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 5.836 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

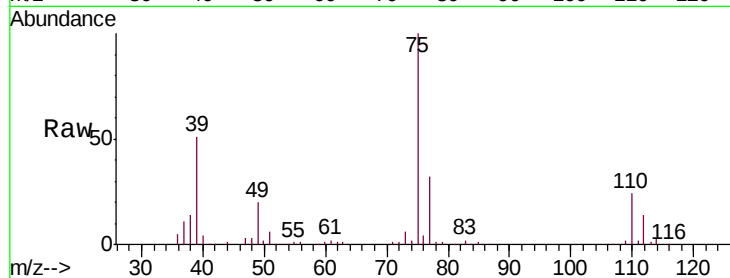
VSTD00531

Tgt Ion: 75 Resp: 116184

Ion Ratio Lower Upper

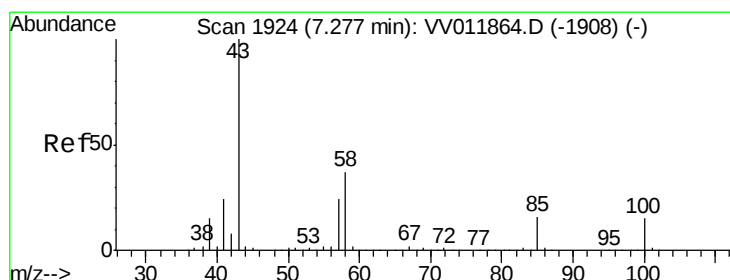
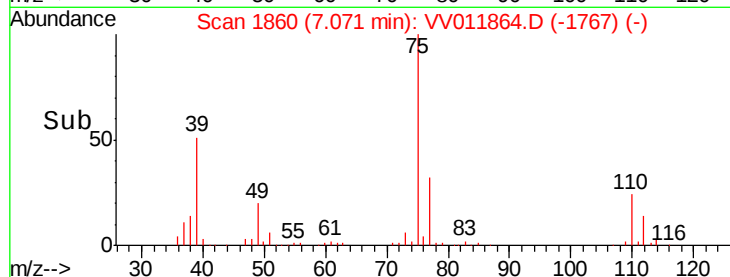
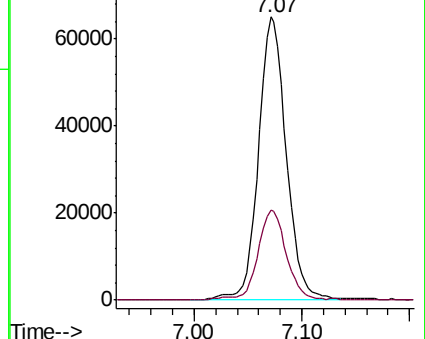
75 100

77 31.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 55.294 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

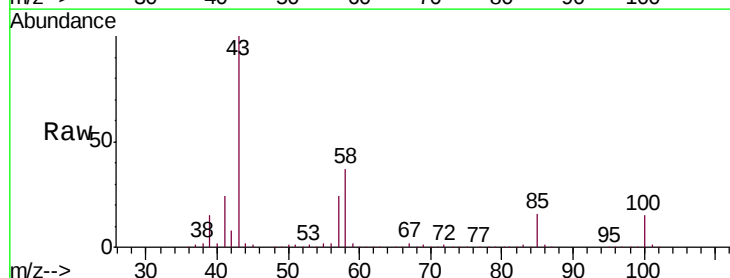
Tgt Ion: 43 Resp: 500761

Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7

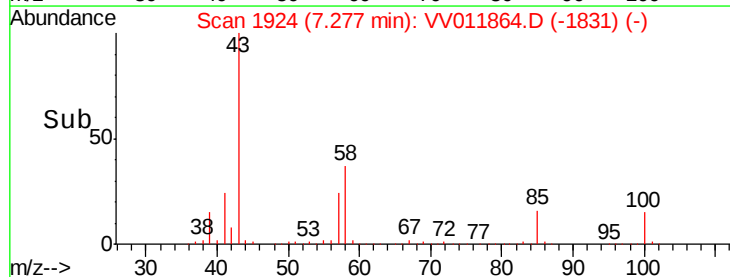
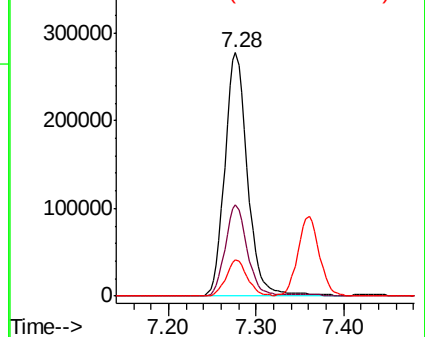
100 14.0 11.2 16.8

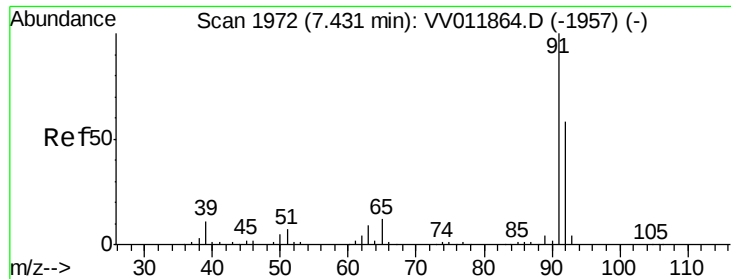


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.628 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

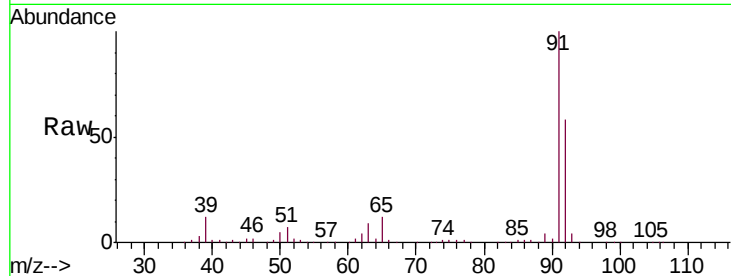
VSTD00531

Tgt Ion: 91 Resp: 342173

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

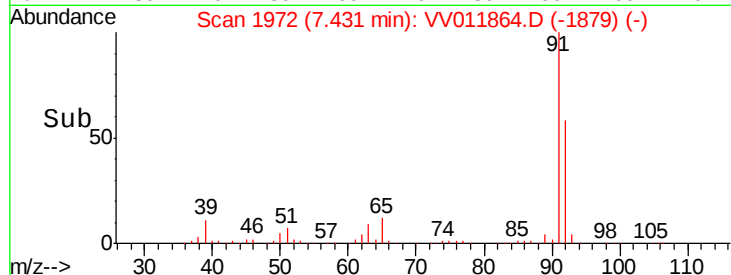
150000

100000

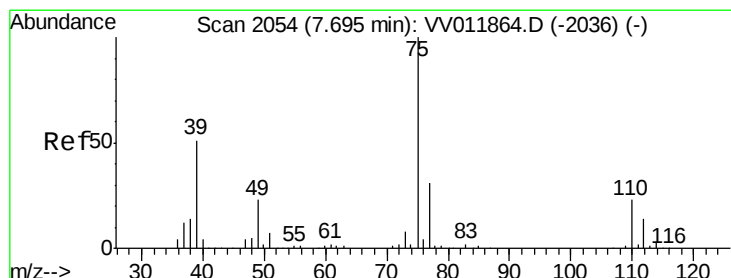
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.616 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011864.D

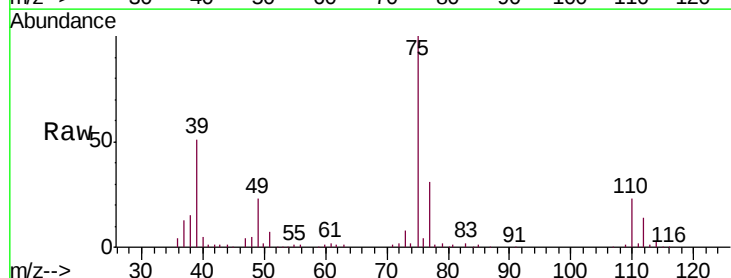
Acq: 12 Jul 2019 11:38

Tgt Ion: 75 Resp: 85587

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

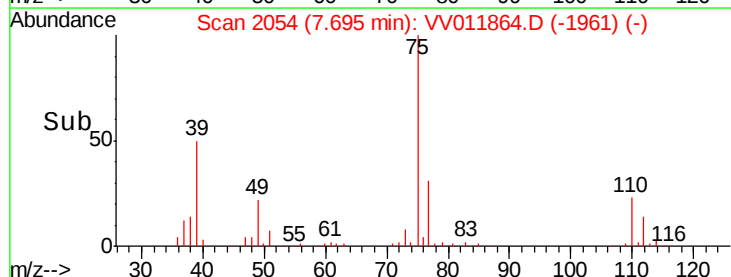
30000

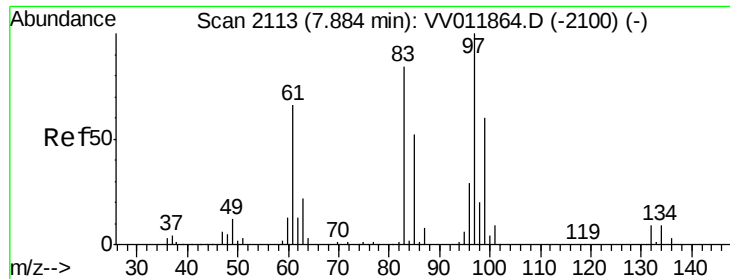
20000

10000

0

Time-->

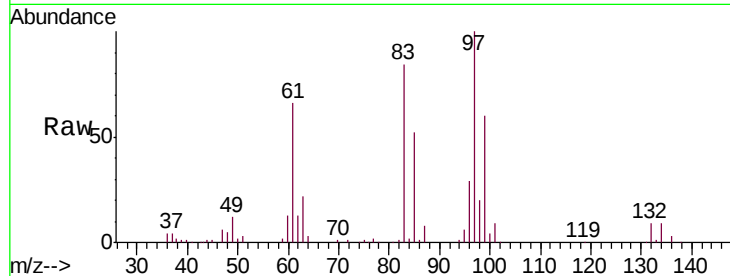




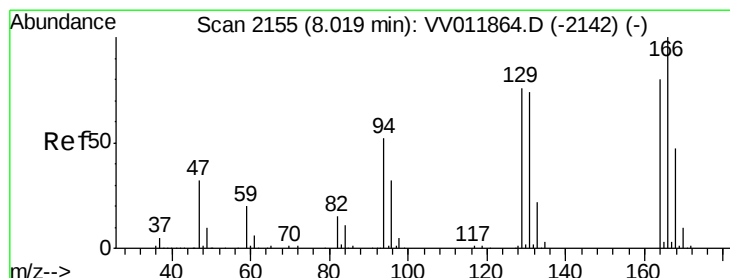
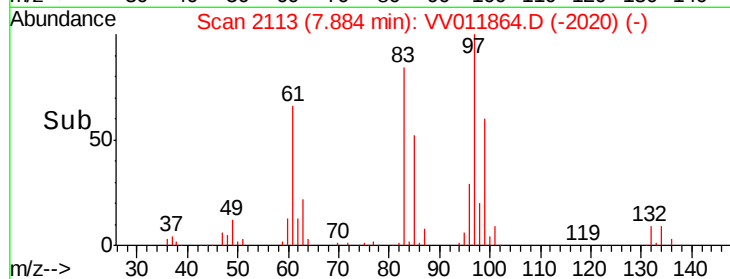
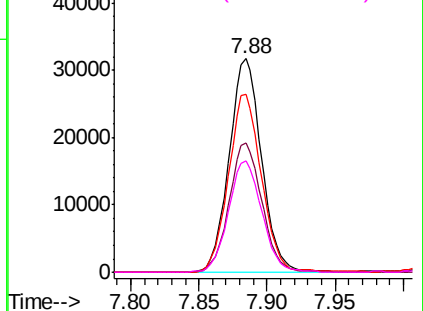
#45
 1,1,2-Trichloroethane
 Concen: 5.516 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tgt Ion:	97	Resp:	52291
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.2	78.4
83	83.5	58.4	108.6
85	51.9	36.3	67.5

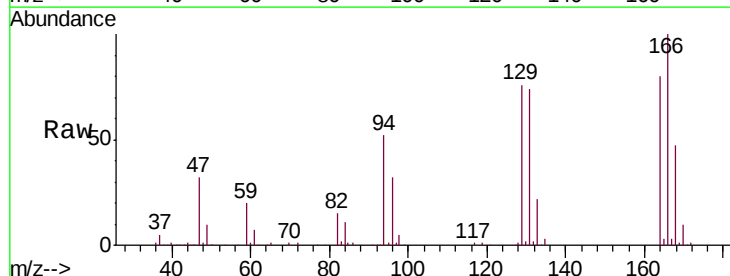


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

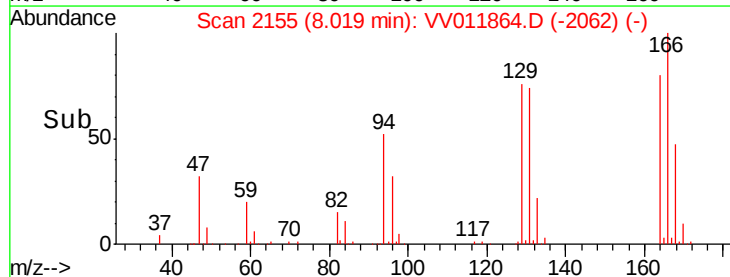
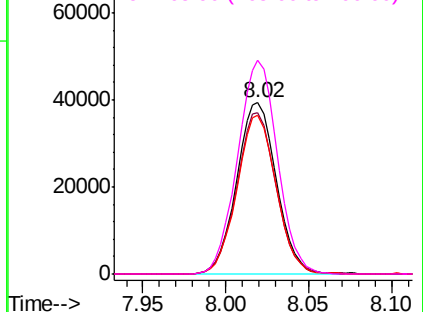


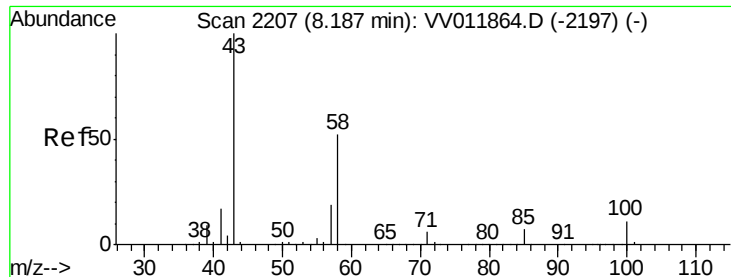
#47
 Tetrachloroethene
 Concen: 5.546 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion:	164	Resp:	65501
Ion	Ratio	Lower	Upper
164	100		
129	94.5	66.1	122.8
131	92.6	64.8	120.4
166	124.7	87.3	162.1



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

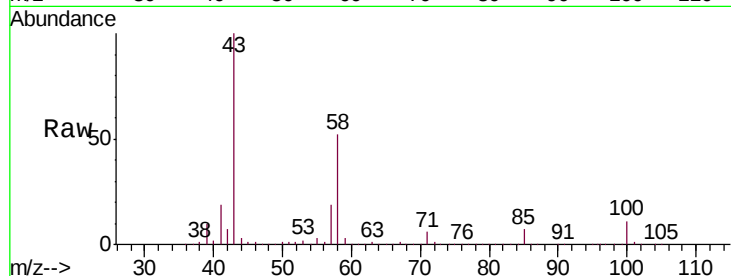




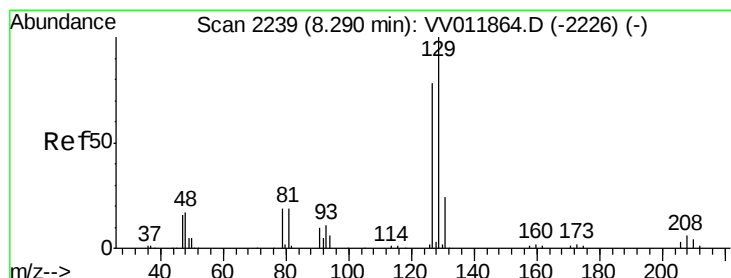
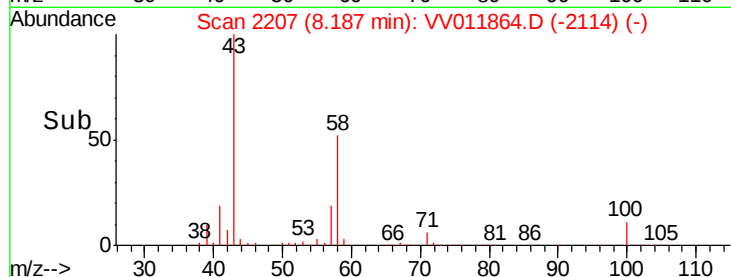
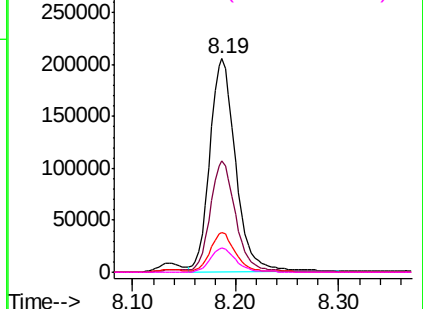
#48
2-Hexanone
Concen: 55.801 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tgt Ion: 43 Resp: 356676
Ion Ratio Lower Upper
43 100
58 50.8 40.6 61.0
57 18.0 14.4 21.6
100 11.0 8.8 13.2

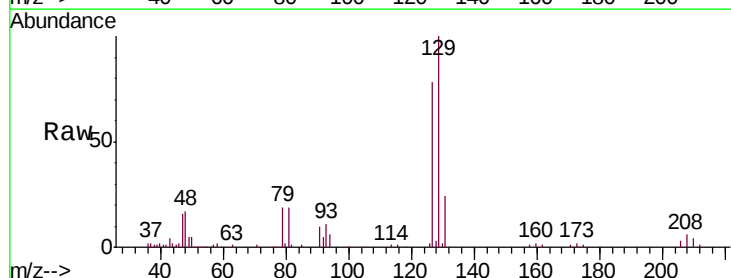


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

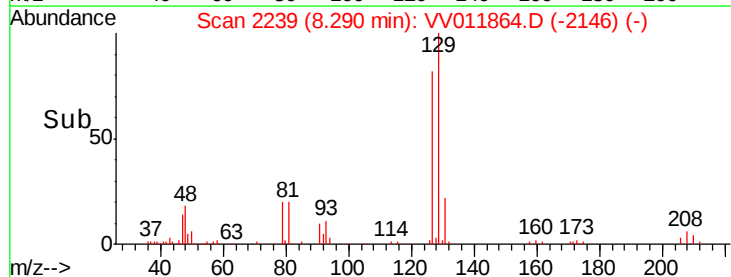
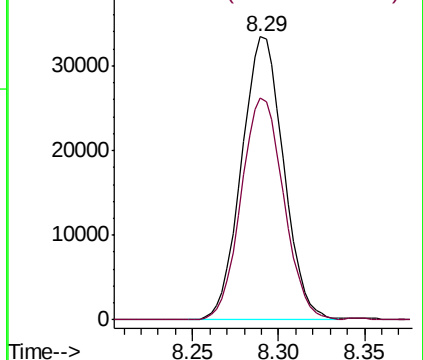


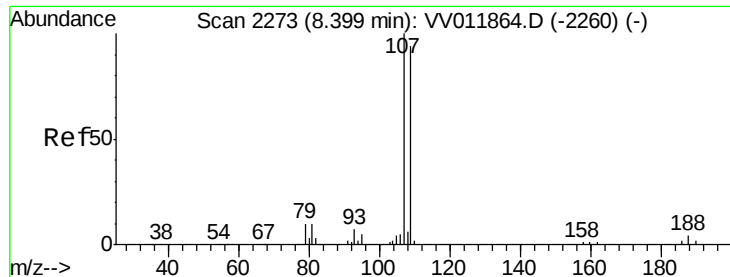
#49
Dibromochloromethane
Concen: 5.622 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion: 129 Resp: 56736
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



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

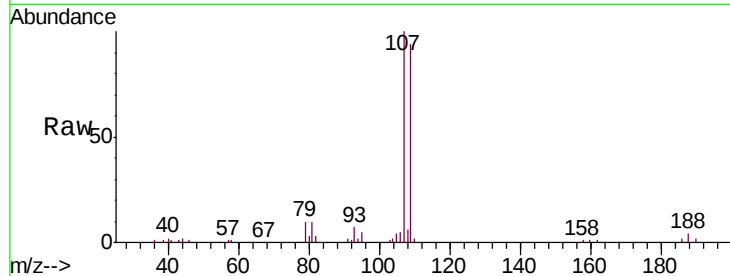




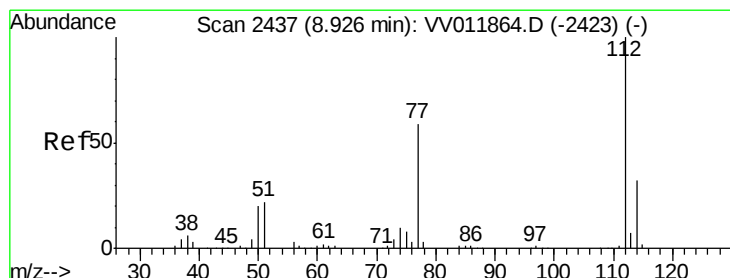
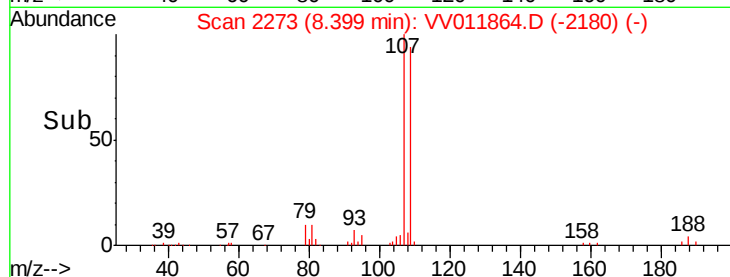
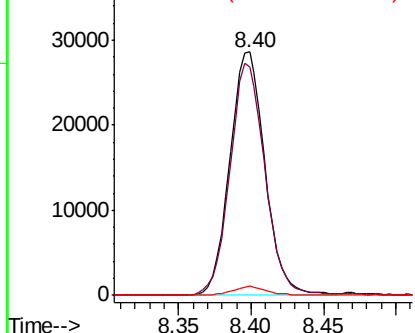
#50
 1,2-Dibromoethane
 Concen: 5.488 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

Tgt Ion:107 Resp: 48170
 Ion Ratio Lower Upper
 107 100
 109 93.9 65.7 122.1
 188 3.8 3.0 4.6

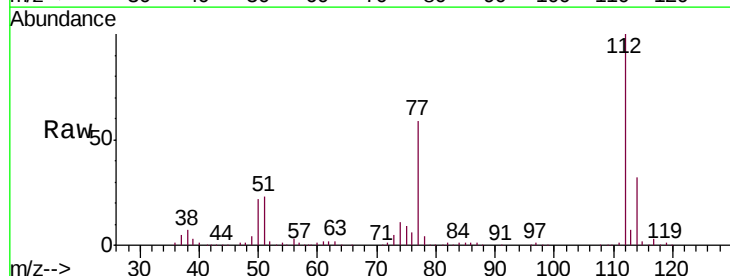


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

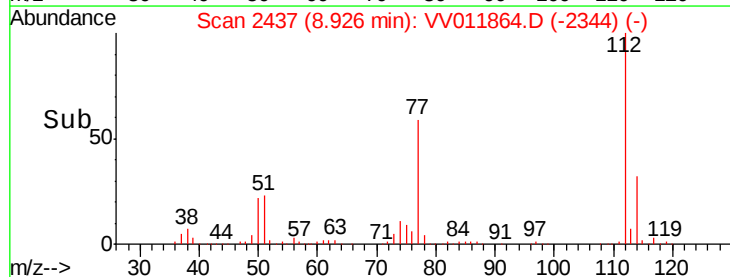
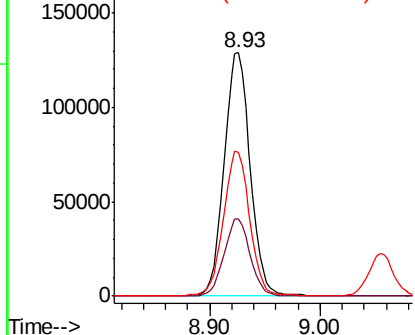


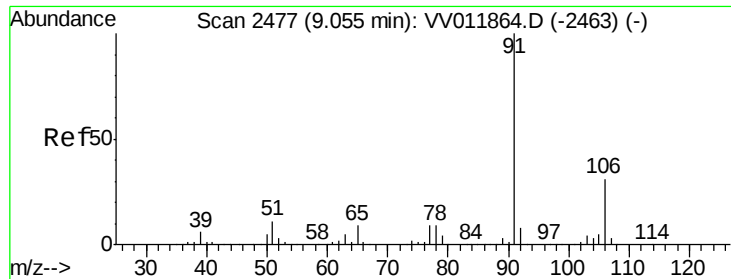
#51
 Chlorobenzene
 Concen: 5.498 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion:112 Resp: 211699
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.1 41.1
 77 59.2 47.4 71.0



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: 5.507 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

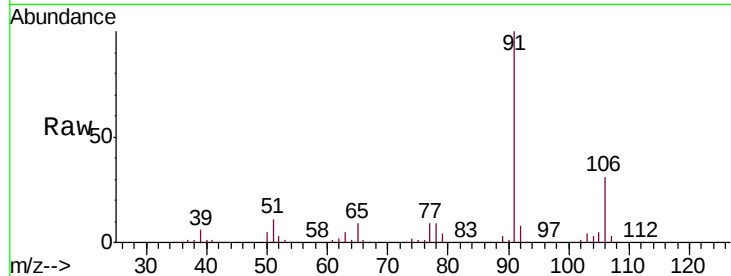
VSTD00531

Tgt Ion: 91 Resp: 372018

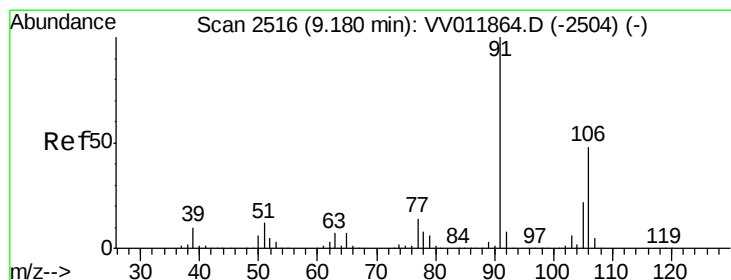
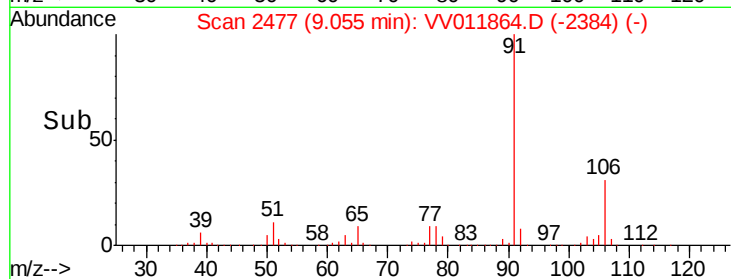
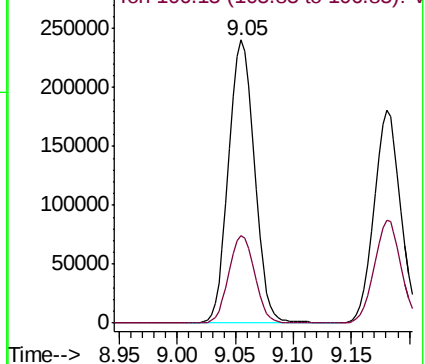
Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV011864.D (-2463) (-)



#53

m,p-xylene

Concen: 5.685 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011864.D

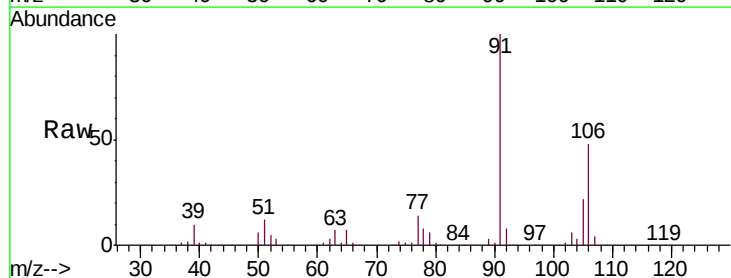
Acq: 12 Jul 2019 11:38

Tgt Ion: 106 Resp: 140928

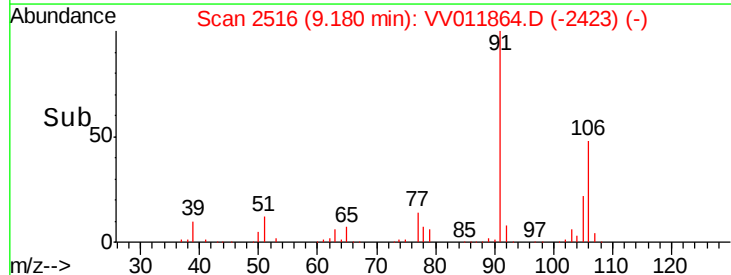
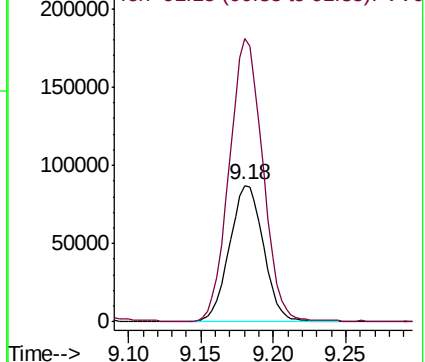
Ion Ratio Lower Upper

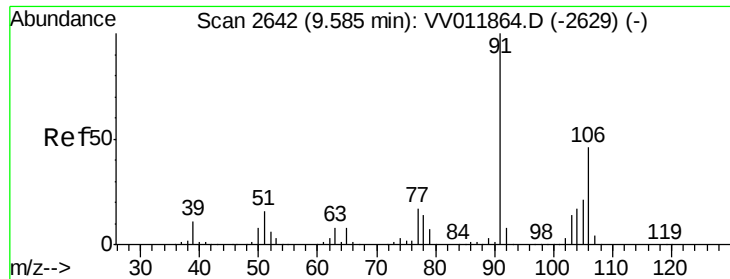
106 100

91 207.1 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV011864.D (-2504) (-)

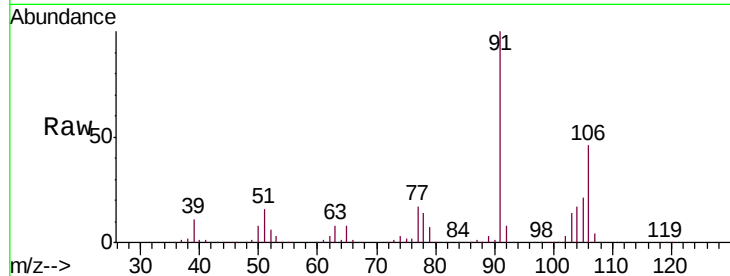




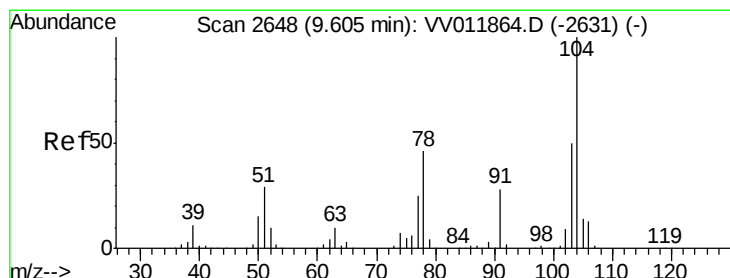
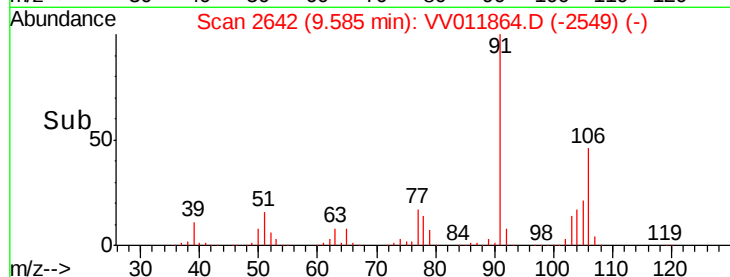
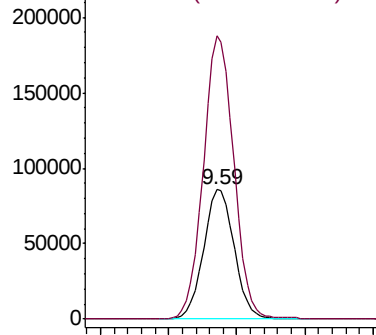
#54
o-xylene
Concen: 5.624 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tgt Ion:106 Resp: 133824
Ion Ratio Lower Upper
106 100
91 218.4 152.9 283.9

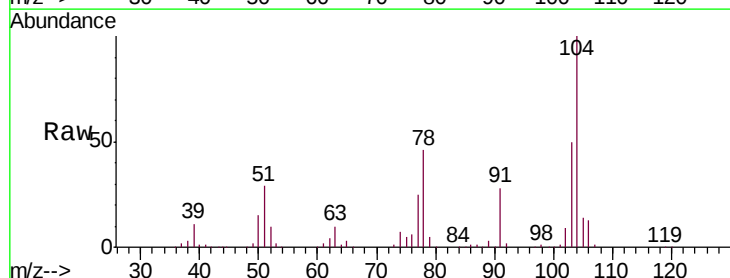


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

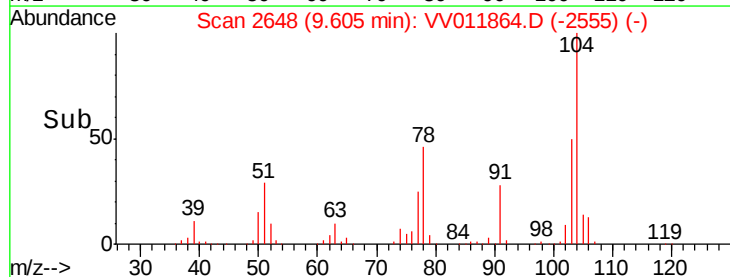
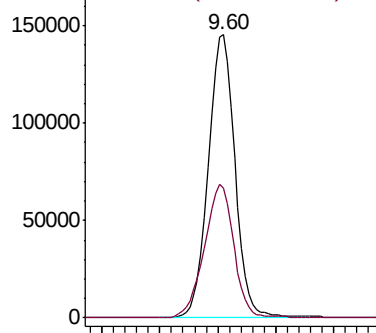


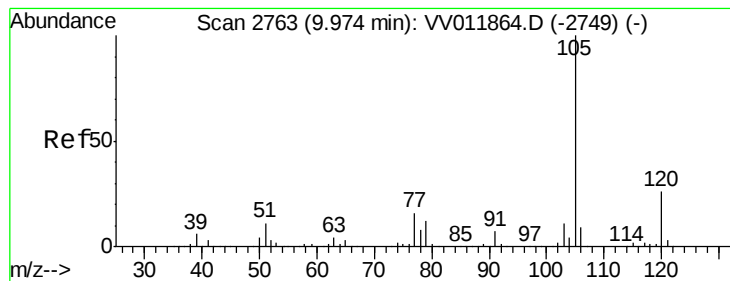
#55
Styrene
Concen: 5.788 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion:104 Resp: 231354
Ion Ratio Lower Upper
104 100
78 45.9 32.1 59.7



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





#56

Isopropylbenzene

Concen: 5.605 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

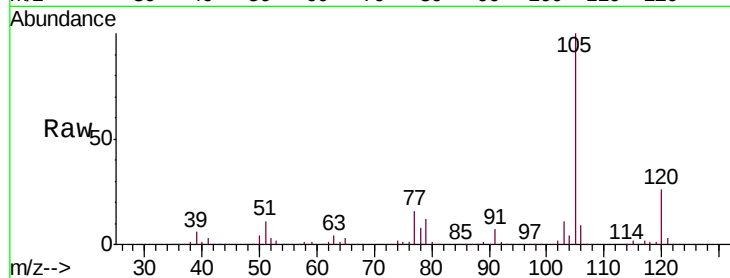
Tgt Ion:105 Resp: 361285

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

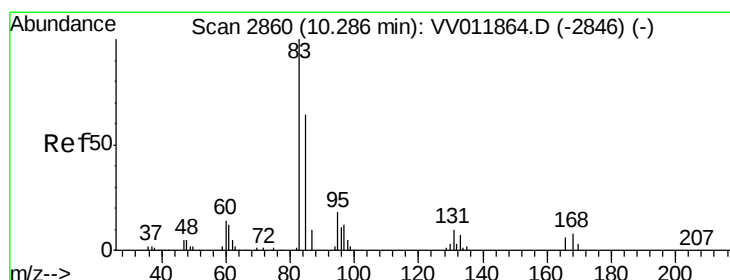
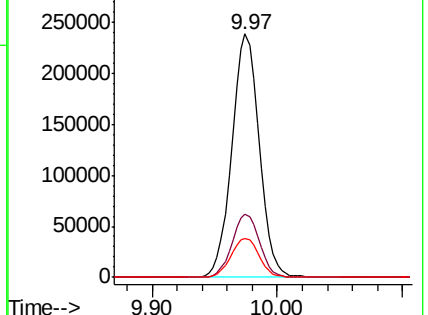
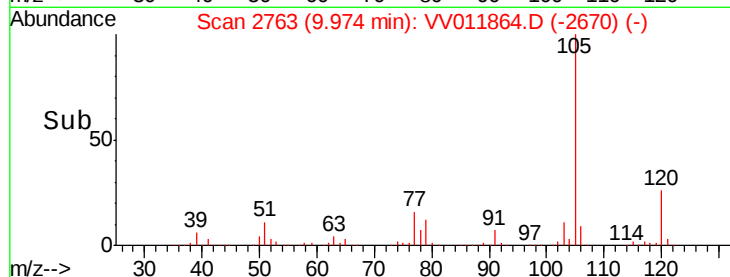
77 16.5 13.2 19.8



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: 4.794 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

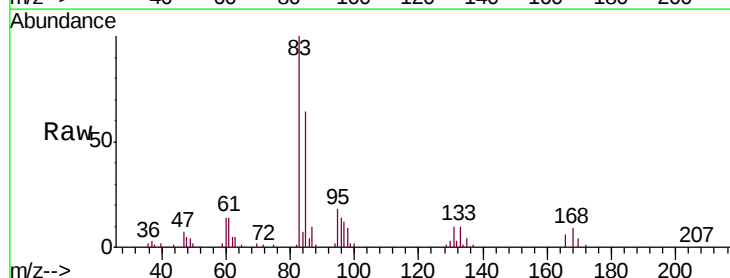
Tgt Ion: 83 Resp: 53803

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

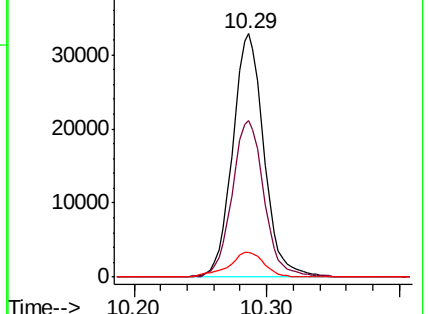
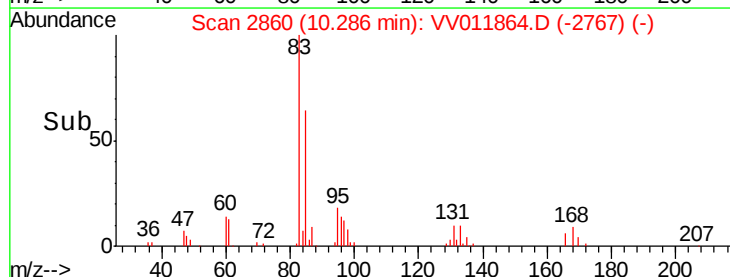
131 10.4 8.3 12.5

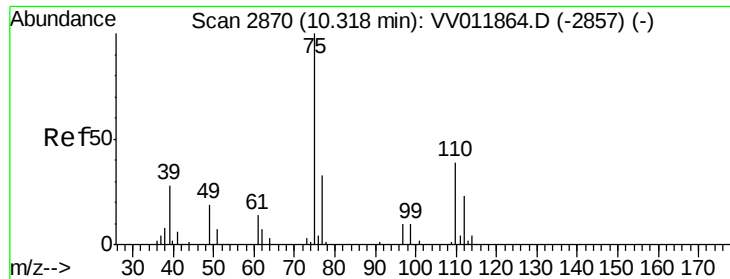


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.405 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

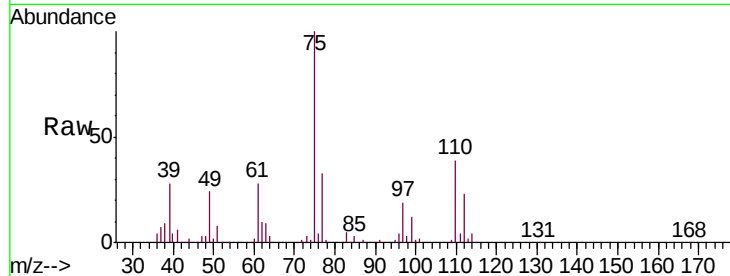
VSTD00531

Tgt Ion: 75 Resp: 45973

Ion Ratio Lower Upper

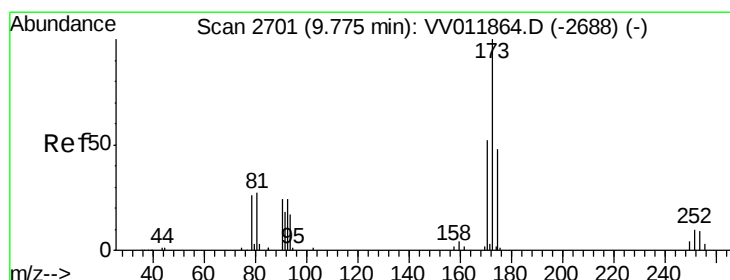
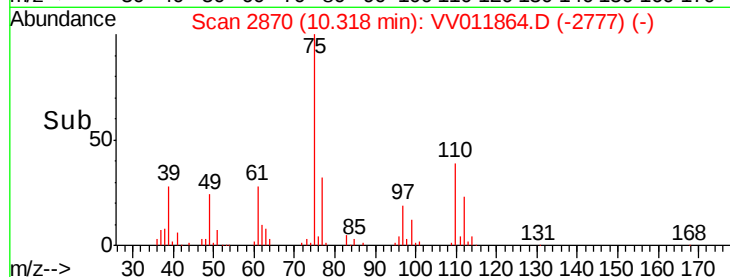
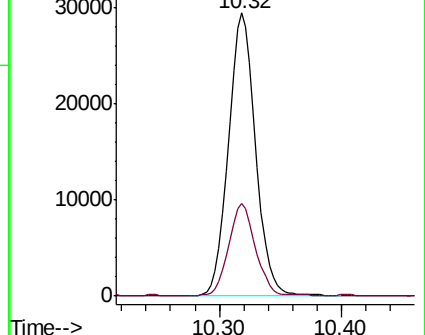
75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV011864.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011864.D (-2857) (-)



#61

Bromoform

Concen: 5.515 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

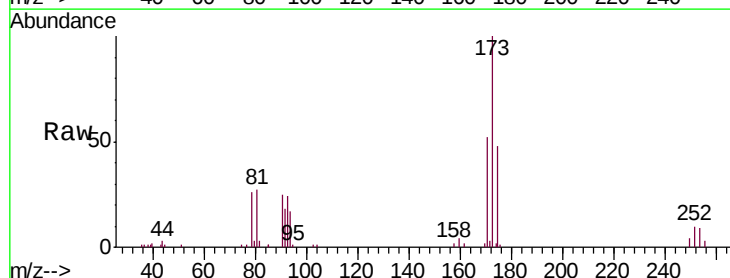
Tgt Ion: 173 Resp: 28209

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

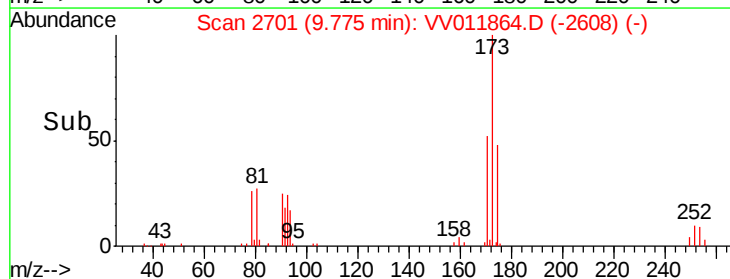
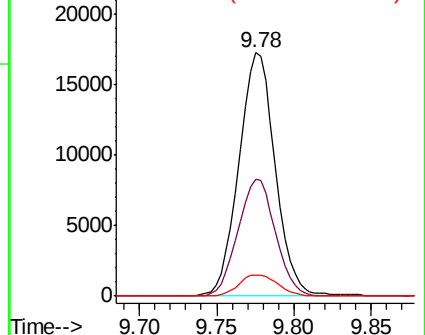
254 9.2 7.4 11.0

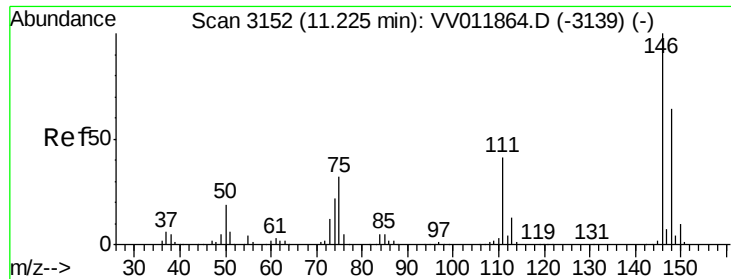


Abundance Ion 172.90 (172.60 to 173.60): VV011864.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV011864.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV011864.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 5.366 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

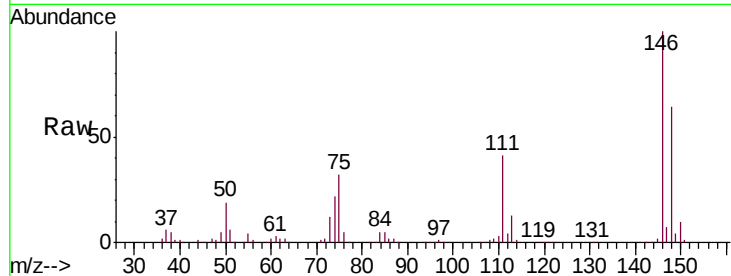
Tgt Ion:146 Resp: 157881

Ion Ratio Lower Upper

146 100

111 41.1 28.8 53.4

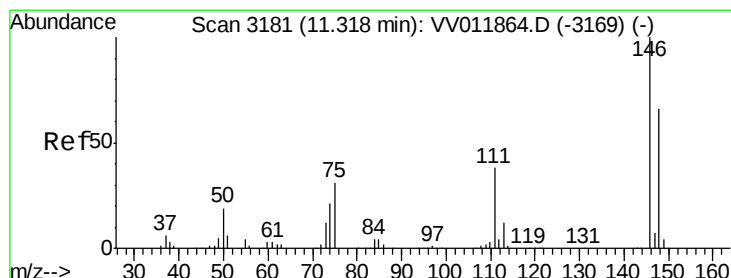
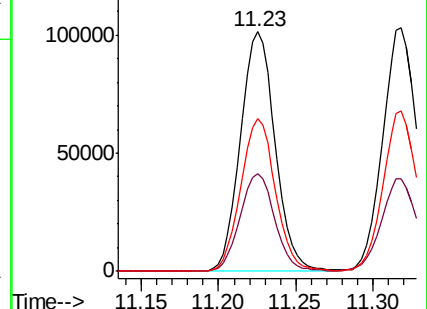
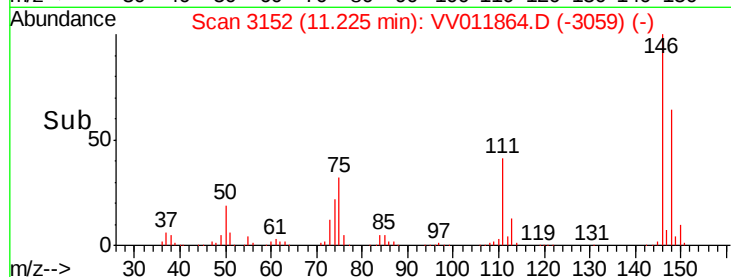
148 63.7 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.364 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

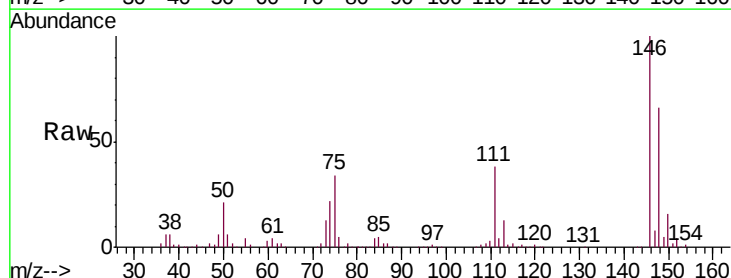
Tgt Ion:146 Resp: 161627

Ion Ratio Lower Upper

146 100

111 38.0 26.6 49.4

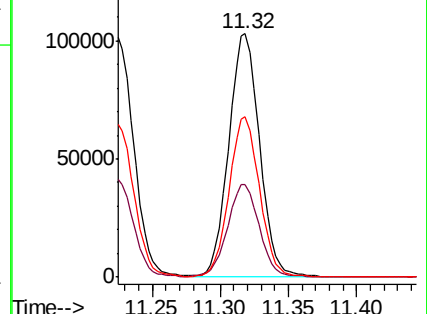
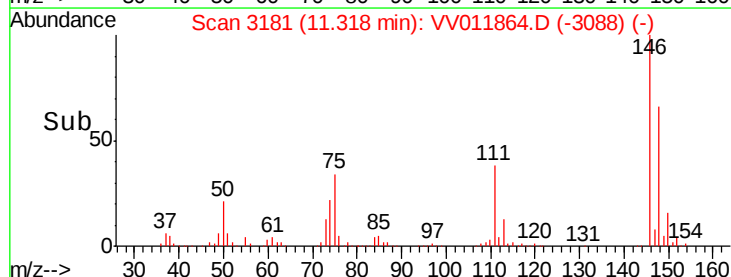
148 65.7 46.0 85.4

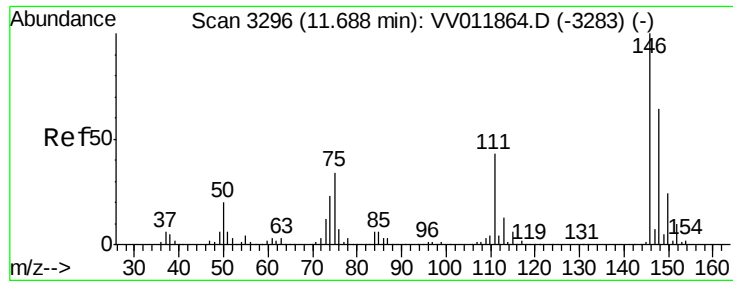


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.425 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00531

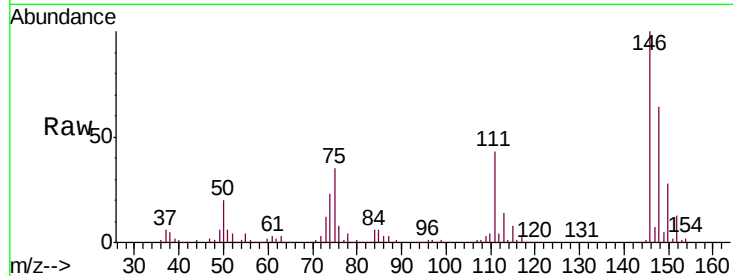
Tgt Ion:146 Resp: 151116

Ion Ratio Lower Upper

146 100

111 43.4 34.7 52.1

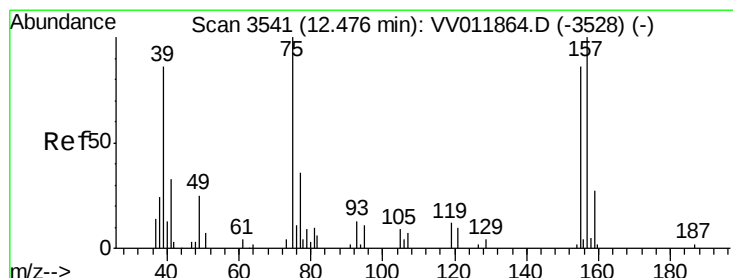
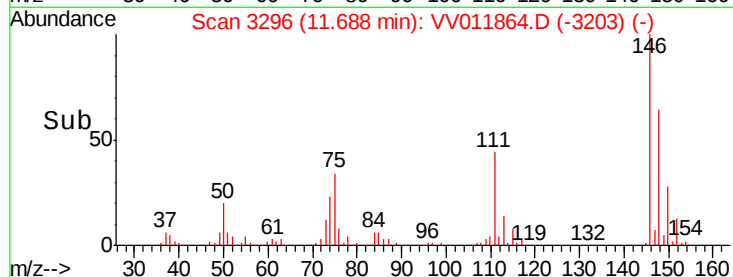
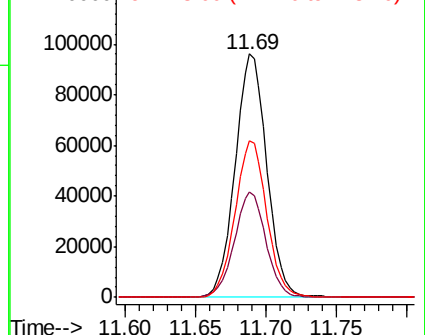
148 64.2 51.4 77.0



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: 5.025 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011864.D

Acq: 12 Jul 2019 11:38

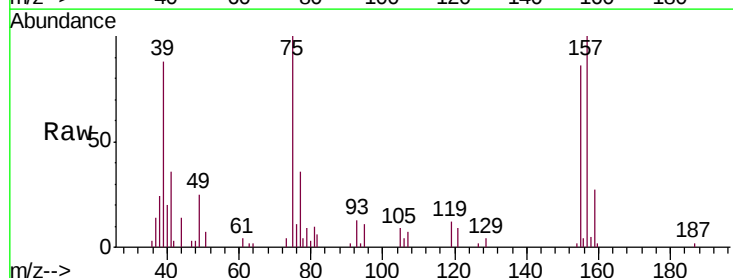
Tgt Ion: 75 Resp: 8811

Ion Ratio Lower Upper

75 100

155 85.9 68.7 103.1

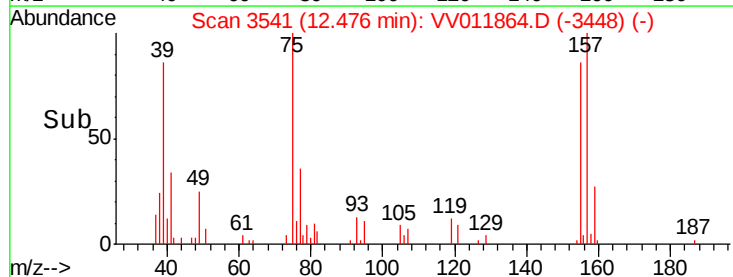
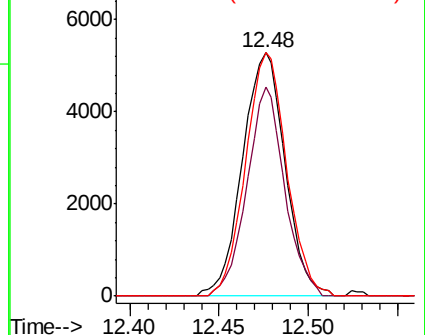
157 100.2 80.2 120.2

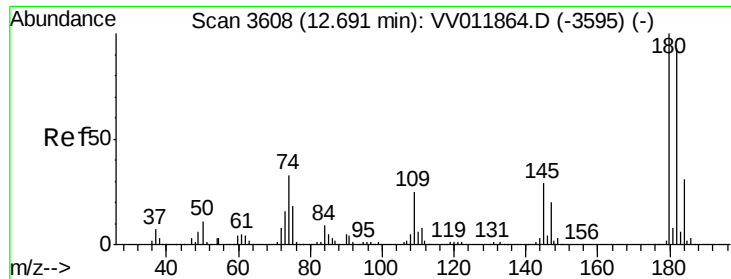


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

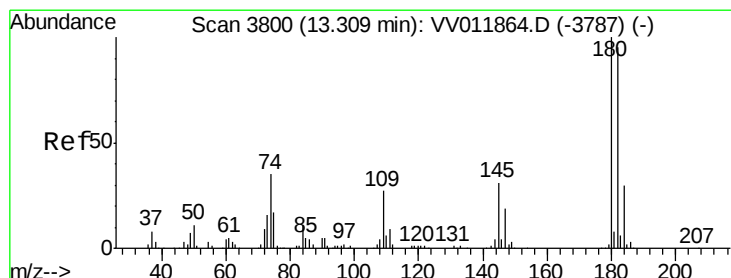
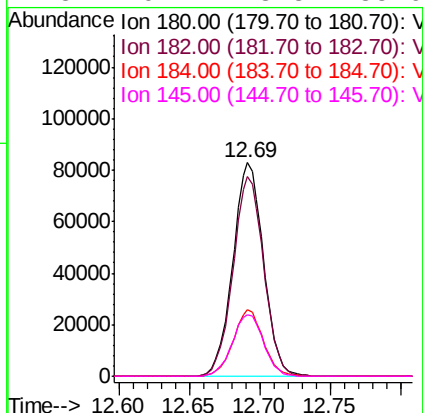
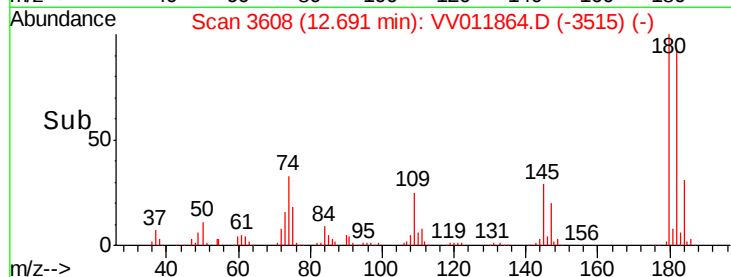
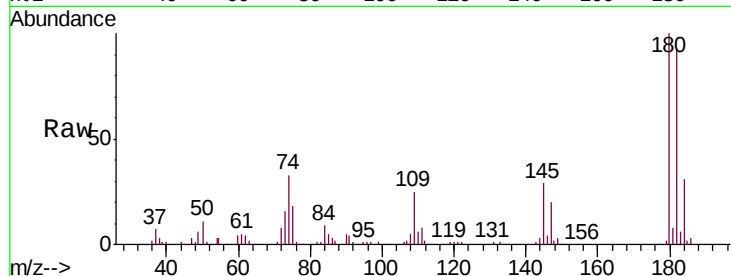




#67
 1,3,5-Trichlorobenzene
 Concen: 5.508 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

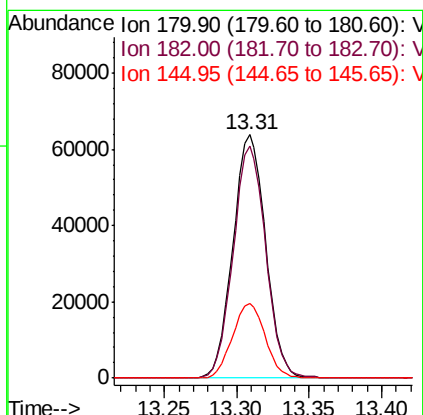
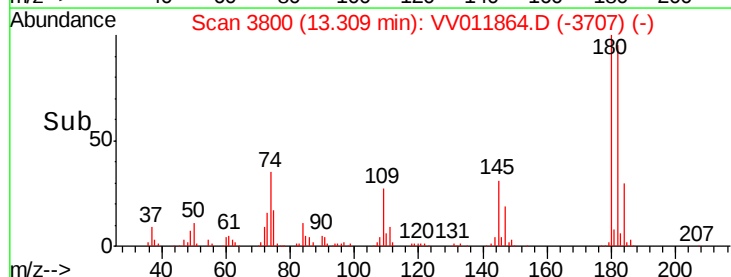
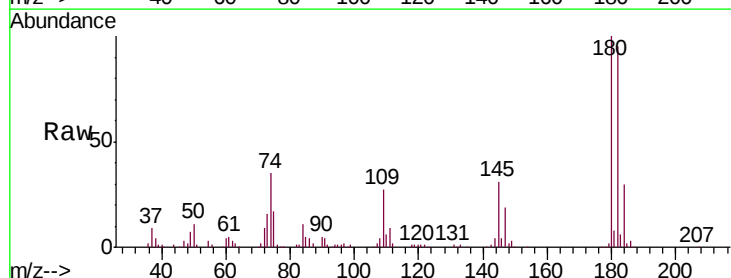
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00531

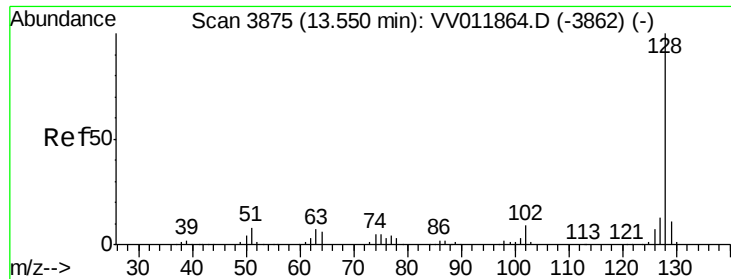
Tgt Ion:	180	Resp:	125829
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.0	112.6
184	30.6	24.5	36.7
145	29.7	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.435 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011864.D
 Acq: 12 Jul 2019 11:38

Tgt Ion:	180	Resp:	99950
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	30.6	24.5	36.7

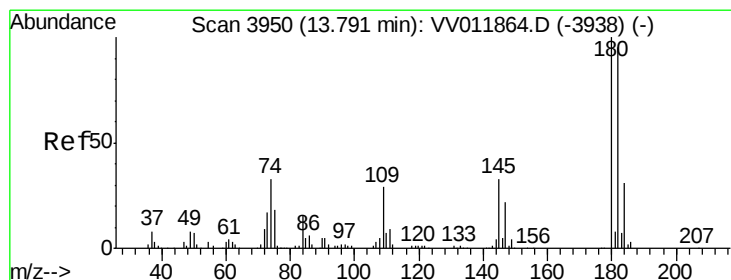
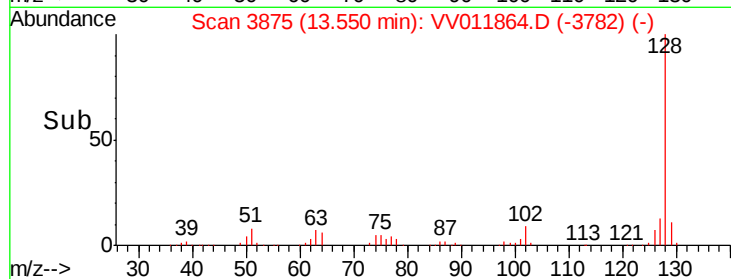
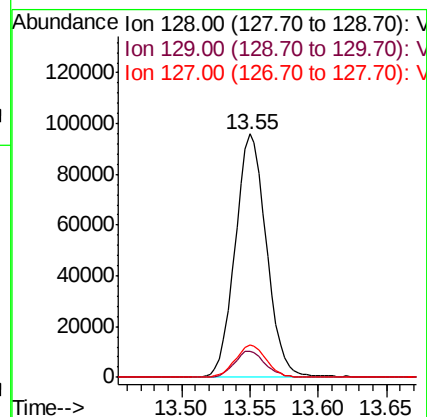
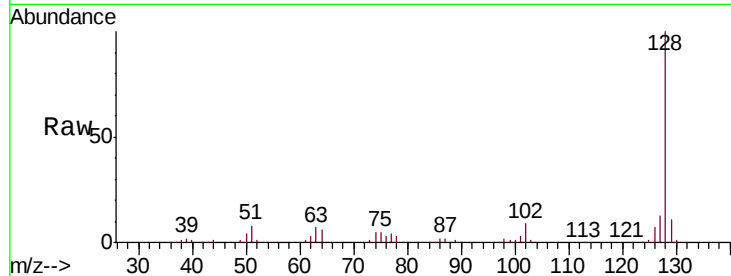




#69
Naphthalene
Concen: 5.263 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00531

Tgt Ion:128 Resp: 152637
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.5 15.7



#70
1,2,3-Trichlorobenzene
Concen: 5.490 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV011864.D
Acq: 12 Jul 2019 11:38

Tgt Ion:180 Resp: 93295
Ion Ratio Lower Upper
180 100
182 93.8 75.0 112.6
145 32.4 25.9 38.9

