

Data File : VV007640.D
Acq On : 19 Sep 2018 21:55
Operator : SY/MD
Sample : VSTD01070
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Quant Time: Sep 20 05:18:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 05:17:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113889	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104935	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58685	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48958	9.28	ug/L	0.00
7) Chloroethane-d5	1.58	69	47096	9.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	127308	9.75	ug/L	0.00
20) 2-Butanone-d5	3.97	46	128020	153.76	ug/L	0.00
24) Chloroform-d	4.41	84	119121	10.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	59401	10.58	ug/L	0.00
32) Benzene-d6	5.10	84	223405	10.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	65370	10.32	ug/L	0.00
41) Toluene-d8	7.36	98	230895	10.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	27759	10.03	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	103977	173.18	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	54913	12.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	102689	10.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89610	9.515 ug/L	99
3) Chloromethane	1.25	50	67399	9.731 ug/L	100
5) Vinyl chloride	1.32	62	78771	9.896 ug/L	99
6) Bromomethane	1.54	94	55782	9.570 ug/L	98
8) Chloroethane	1.60	64	50886	10.448 ug/L	100
9) Trichlorofluoromethane	1.77	101	169145	10.503 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	89978	10.120 ug/L	98
12) 1,1-Dichloroethene	2.14	96	78712	9.755 ug/L	95
13) Acetone	2.22	43	99096	136.010 ug/L	99
14) Carbon disulfide	2.32	76	217210	9.364 ug/L	99
15) Methyl Acetate	2.47	43	25547	12.664 ug/L	98
16) Methylene chloride	2.54	84	77905	9.159 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	187098	10.489 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	85877	9.854 ug/L	98
19) 1,1-Dichloroethane	3.23	63	111603	9.740 ug/L	99
21) 2-Butanone	4.05	43	138271	129.490 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	78135	10.016 ug/L	98
23) Bromochloromethane	4.31	128	36029	10.158 ug/L	98
25) Chloroform	4.43	83	130203	9.841 ug/L	100
27) 1,2-Dichloroethane	5.19	62	77976	10.198 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	124608	10.136 ug/L	99
30) Cyclohexane	4.72	56	103674	9.731 ug/L	100
31) Carbon tetrachloride	4.87	117	114775	10.022 ug/L	97
33) Benzene	5.15	78	273643	10.136 ug/L	100
34) Trichloroethene	5.96	95	79650	9.007 ug/L	98
35) Methylcyclohexane	6.18	83	124368	9.656 ug/L	100
37) 1,2-Dichloropropane	6.23	63	65558	10.556 ug/L	100
38) Bromodichloromethane	6.56	83	90031	10.182 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	101375	10.080 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	355517	98.453 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	316519	10.087	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	81963	10.161	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	49877	9.927	ug/L	97
47) Tetrachloroethene	8.02	164	78052	9.645	ug/L	97
48) 2-Hexanone	8.19	43	258209	94.285	ug/L	99
49) Dibromochloromethane	8.30	129	67972	10.343	ug/L	97
50) 1,2-Dibromoethane	8.40	107	49588	9.970	ug/L	99
51) Chlorobenzene	8.93	112	217387	9.983	ug/L	99
52) Ethylbenzene	9.06	91	356968	10.028	ug/L	97
53) m,p-xylene	9.19	106	141684	9.875	ug/L	96
54) o-xylene	9.59	106	139739	10.330	ug/L	100
55) Styrene	9.61	104	232739	10.363	ug/L	99
56) Isopropylbenzene	9.98	105	378919	10.161	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	58410	12.252	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	41339	10.087	ug/L	98
61) Bromoform	9.78	173	38699	9.935	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	191937	9.826	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	192834	9.969	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	179608	9.964	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8977	11.584	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	165774	10.596	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	137340	12.185	ug/L	99
69) Naphthalene	13.56	128	204676	14.575	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	125147	12.124	ug/L	97

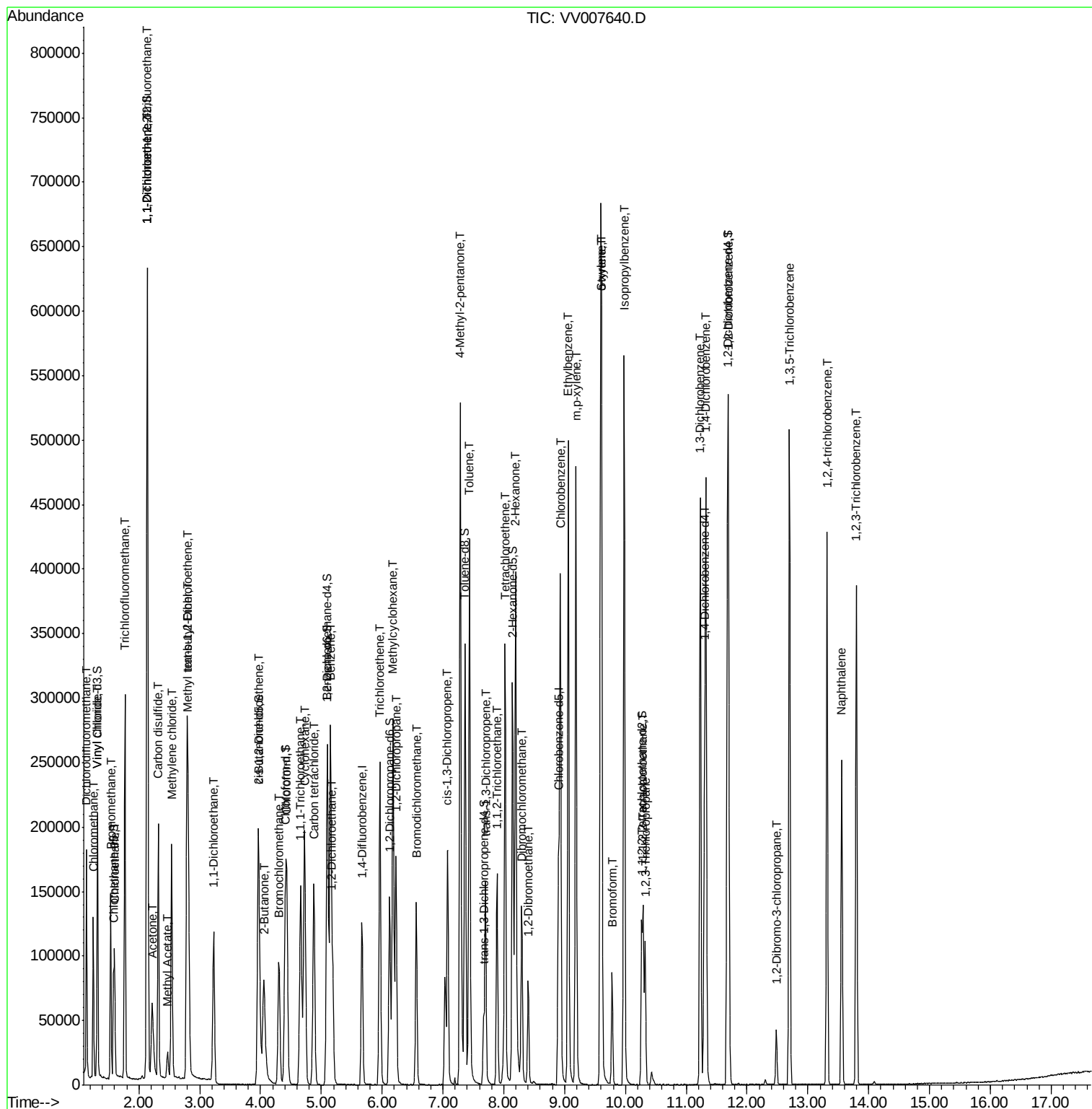
(#) = qualifier out of range (m) = manual integration (+) = signals summed

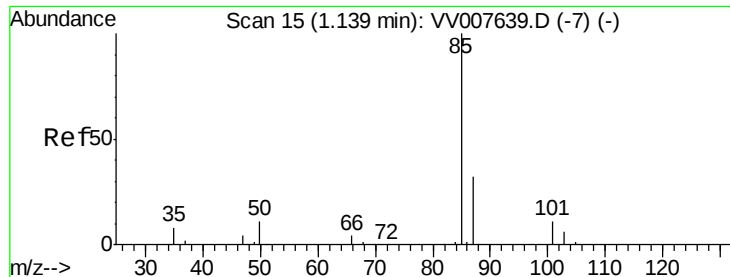
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#2

Dichlorodifluoromethane

Concen: 9.515 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

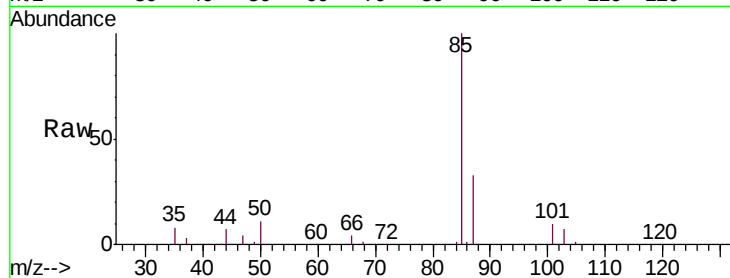
VSTD01070

Tgt Ion: 85 Resp: 89610

Ion Ratio Lower Upper

85 100

87 32.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV007639.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007639.D (-7) (-)

1.14

100000

80000

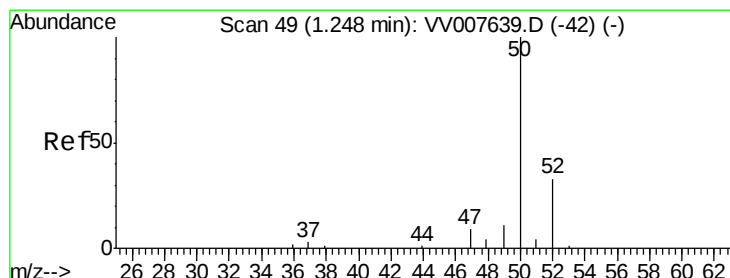
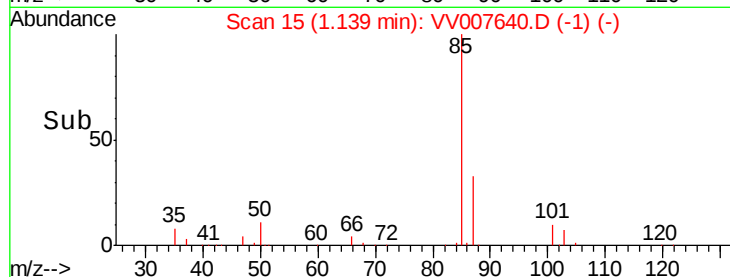
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 9.731 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV007640.D

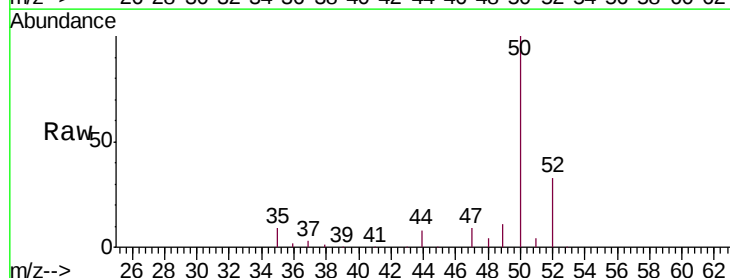
Acq: 19 Sep 2018 21:55

Tgt Ion: 50 Resp: 67399

Ion Ratio Lower Upper

50 100

52 33.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VV007639.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV007639.D (-42) (-)

1.25

80000

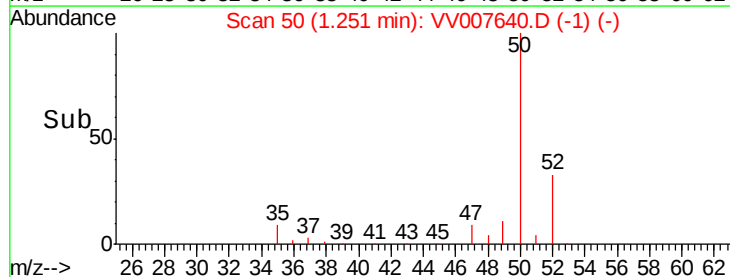
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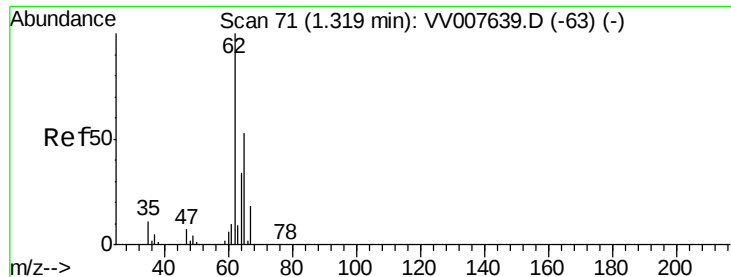
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 9.896 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

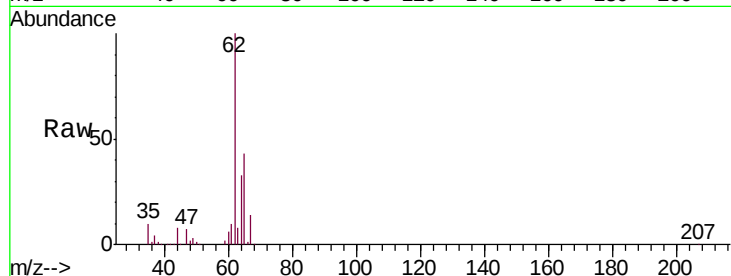
VSTD01070

Tgt Ion: 62 Resp: 78771

Ion Ratio Lower Upper

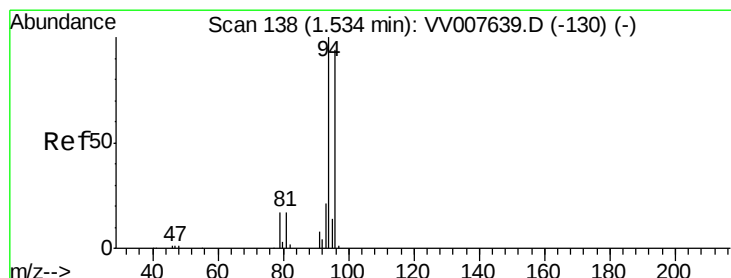
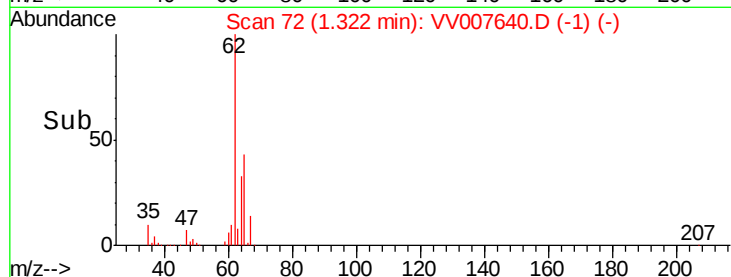
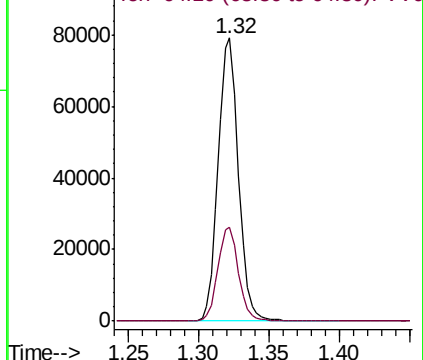
62 100

64 33.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 9.570 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007640.D

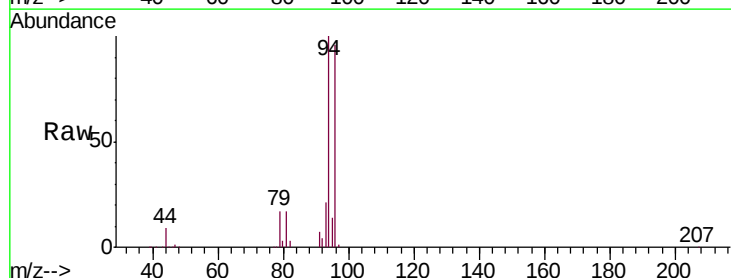
Acq: 19 Sep 2018 21:55

Tgt Ion: 94 Resp: 55782

Ion Ratio Lower Upper

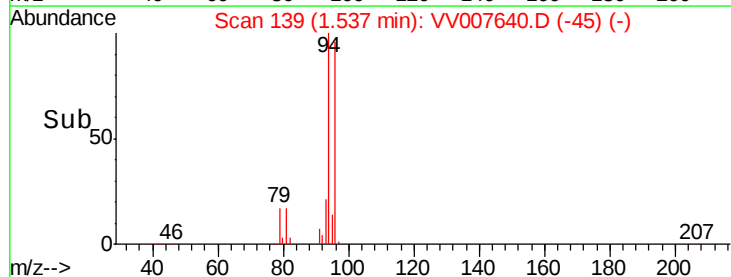
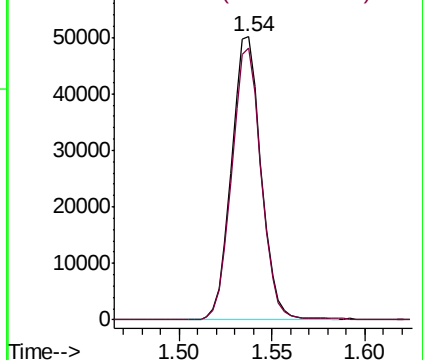
94 100

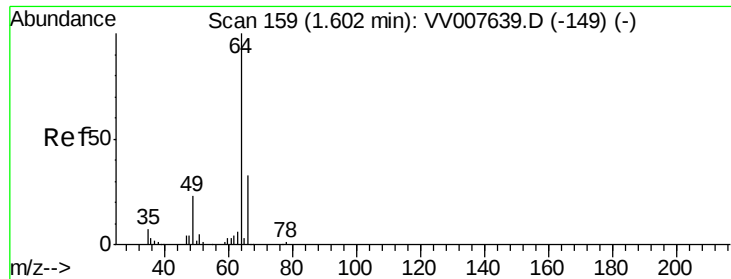
96 96.0 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

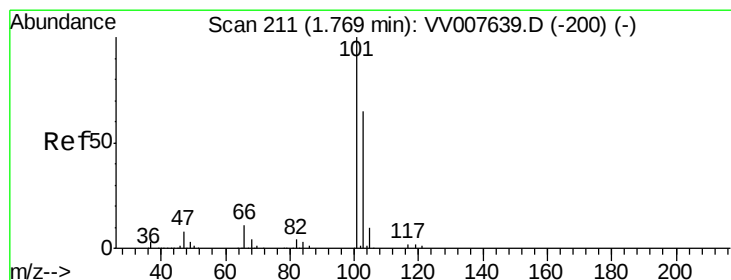
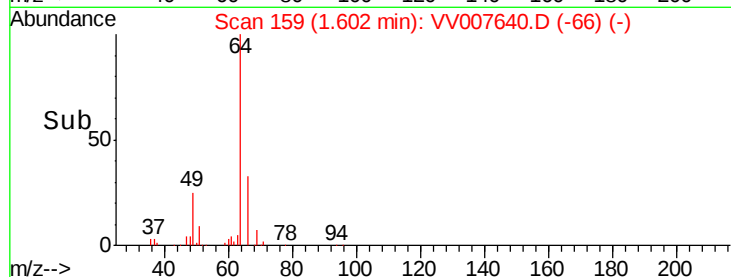
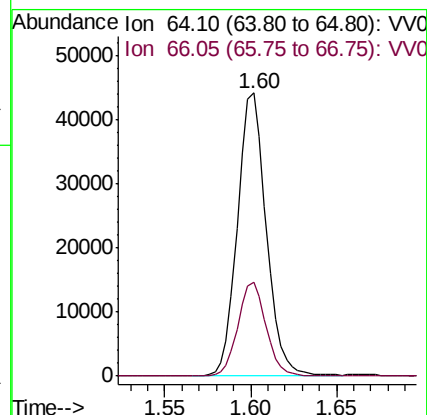
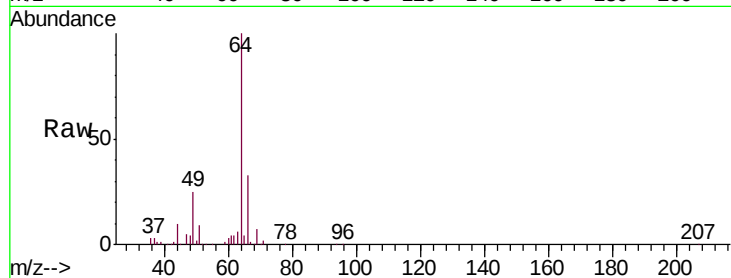




#8
Chloroethane
Concen: 10.448 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

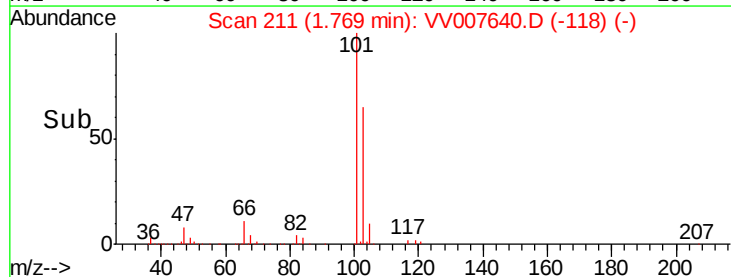
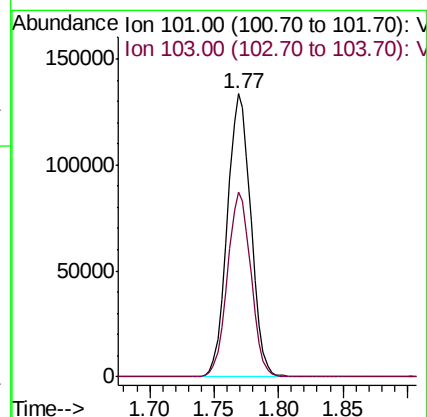
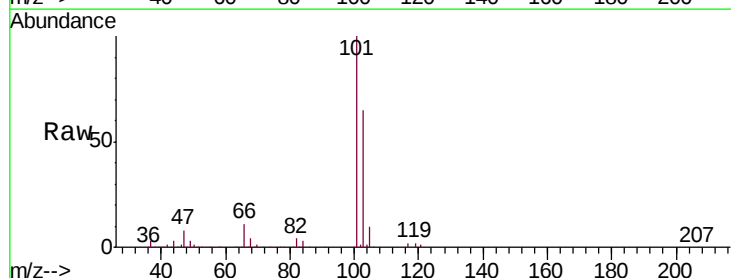
Instrument :
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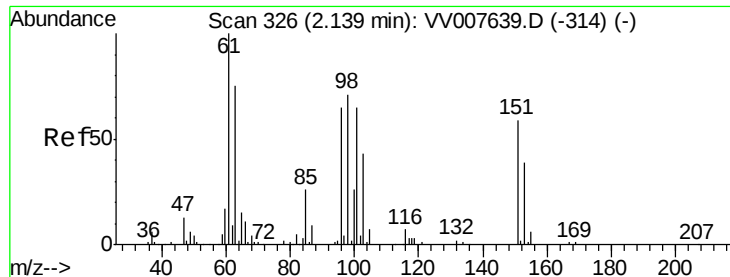
Tgt Ion: 64 Resp: 50886
Ion Ratio Lower Upper
64 100
66 33.2 23.4 43.4



#9
Trichlorofluoromethane
Concen: 10.503 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 101 Resp: 169145
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9





#10

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

Concen: 10.120 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

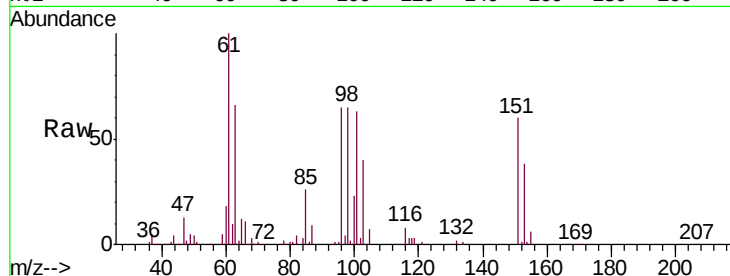
Tgt Ion:101 Resp: 89978

Ion Ratio Lower Upper

101 100

85 41.6 32.6 48.8

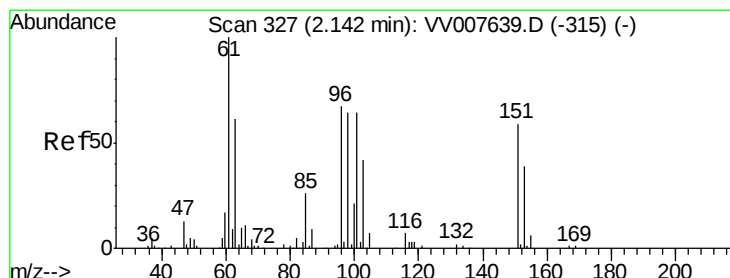
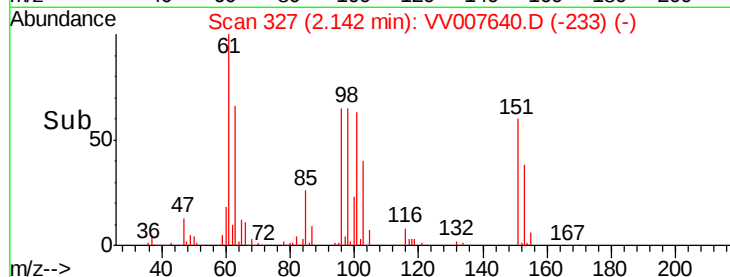
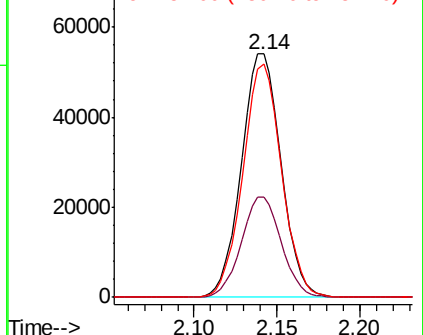
151 93.3 72.8 109.2



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: 9.755 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

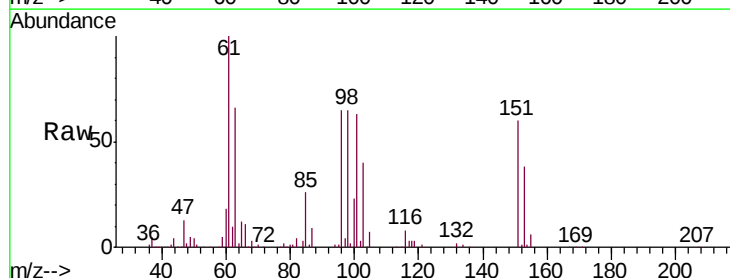
Tgt Ion: 96 Resp: 78712

Ion Ratio Lower Upper

96 100

61 152.9 104.3 193.7

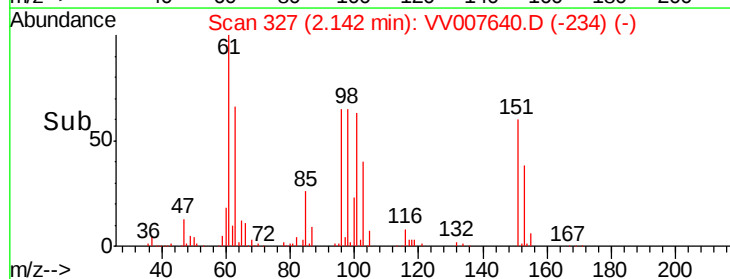
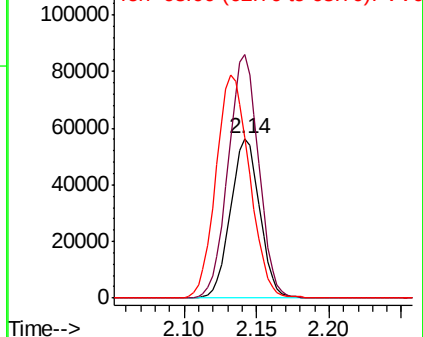
63 100.9 65.2 121.2

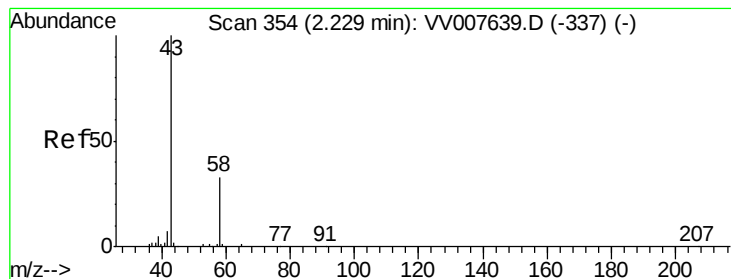


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 136.010 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

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ClientSampleId :

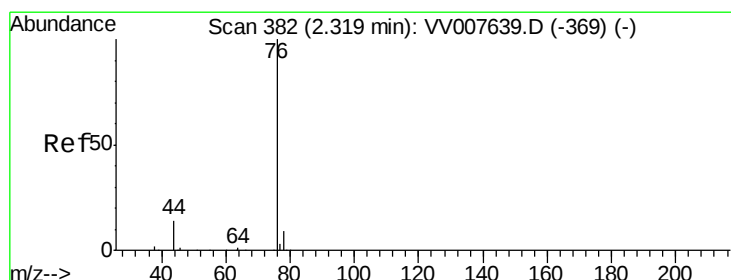
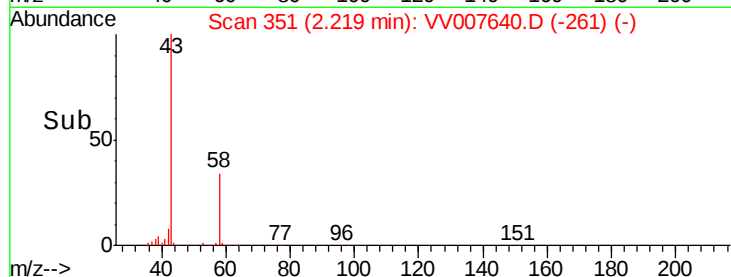
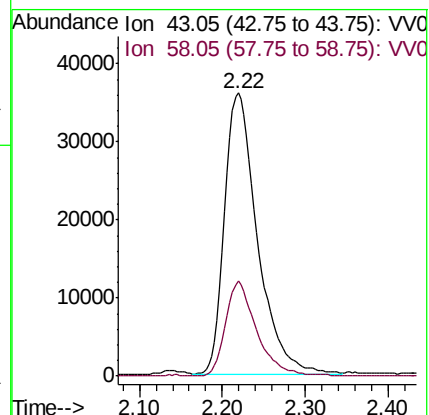
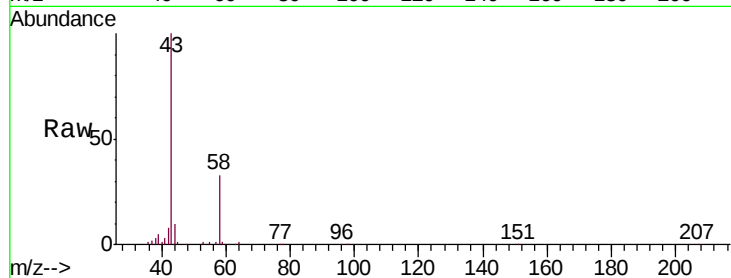
VSTD01070

Tgt Ion: 43 Resp: 99096

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.6



#14

Carbon disulfide

Concen: 9.364 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007640.D

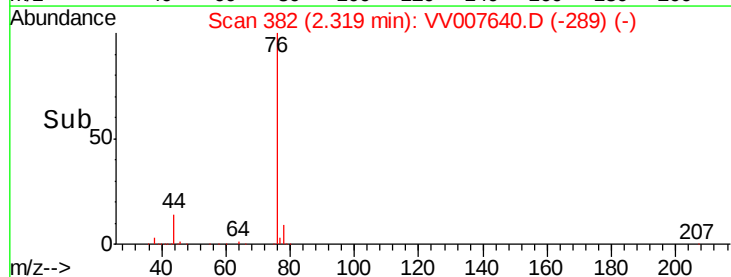
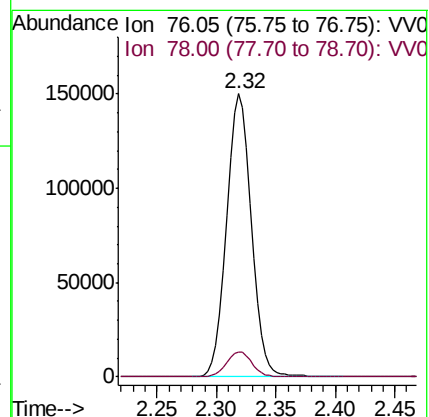
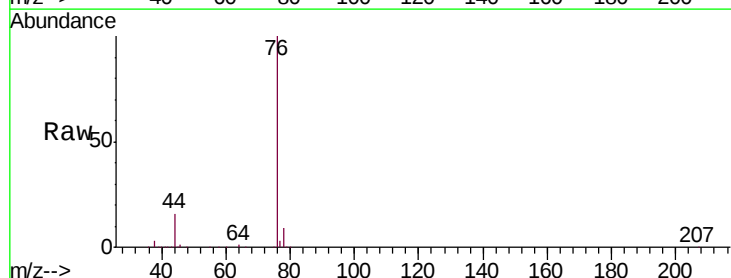
Acq: 19 Sep 2018 21:55

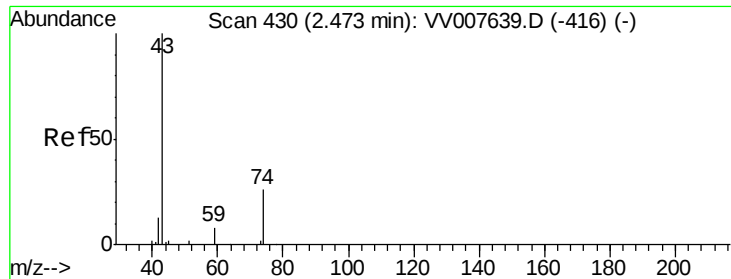
Tgt Ion: 76 Resp: 217210

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

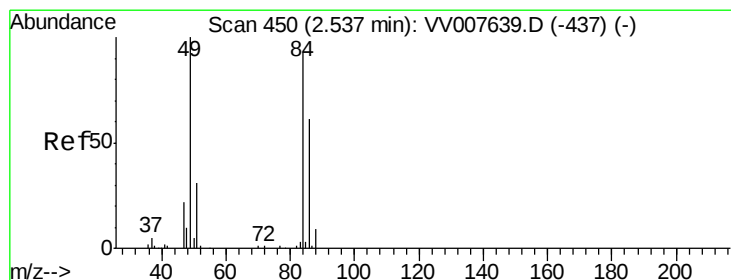
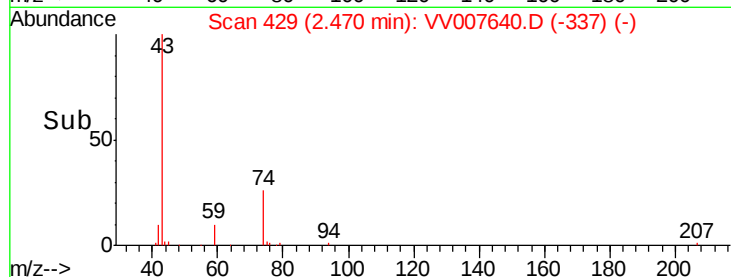
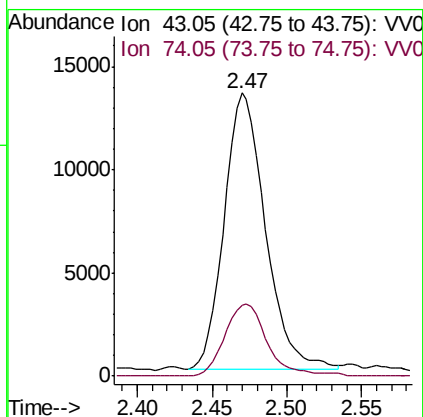
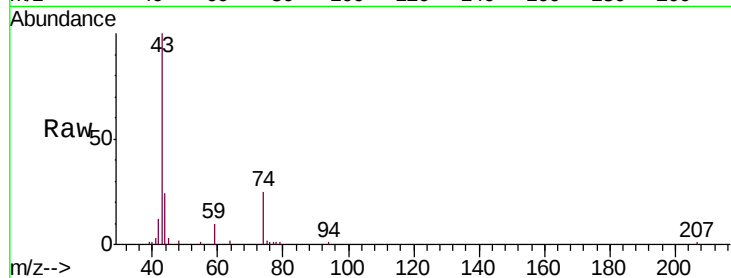




#15
Methyl Acetate
Concen: 12.664 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

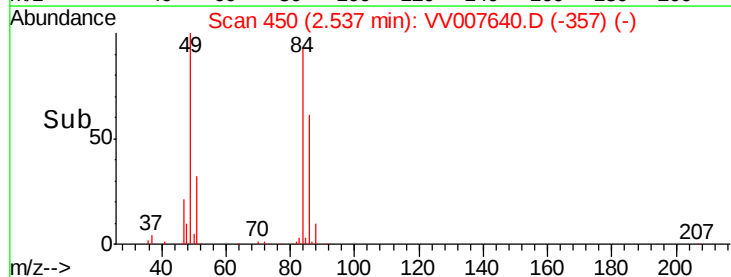
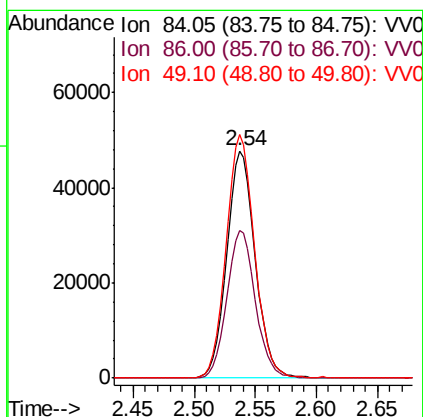
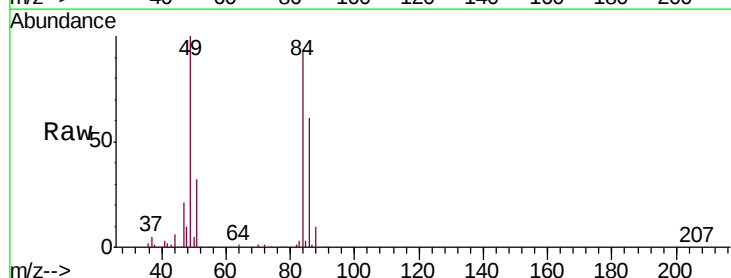
Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

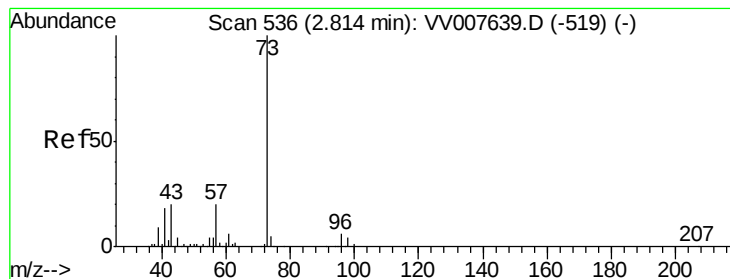
Tgt Ion: 43 Resp: 25547
Ion Ratio Lower Upper
43 100
74 26.9 20.6 30.8



#16
Methylene chloride
Concen: 9.159 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 84 Resp: 77905
Ion Ratio Lower Upper
84 100
86 64.9 46.1 85.5
49 107.0 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 10.489 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

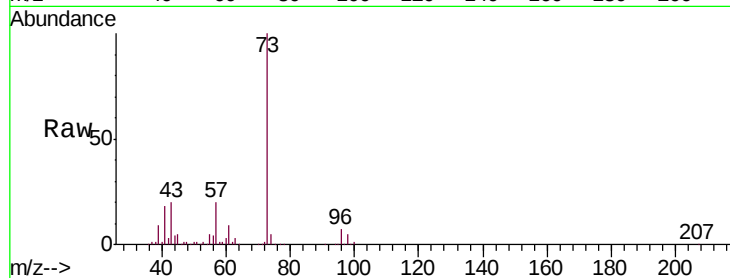
Tgt Ion: 73 Resp: 187098

Ion Ratio Lower Upper

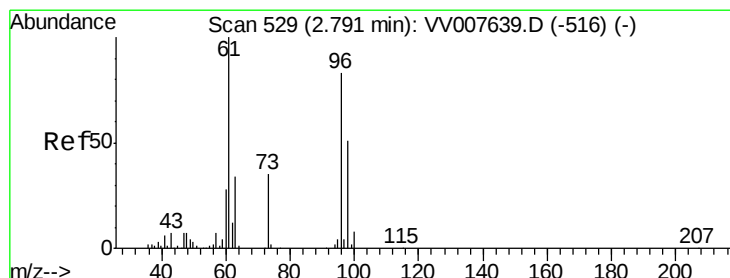
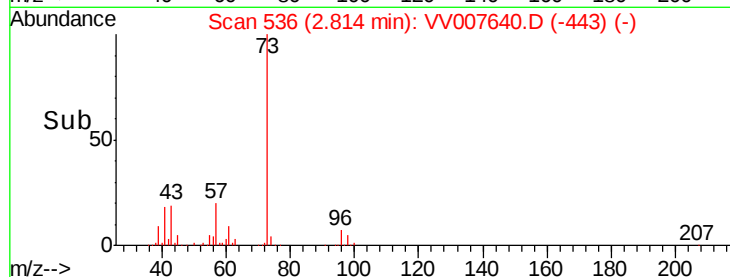
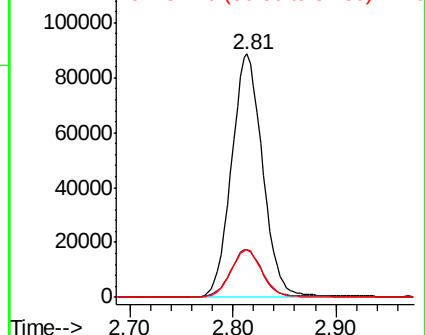
73 100

43 19.3 15.7 23.5

57 19.9 15.8 23.8



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: 9.854 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

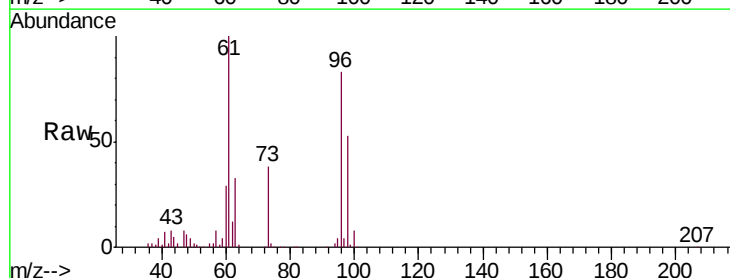
Tgt Ion: 96 Resp: 85877

Ion Ratio Lower Upper

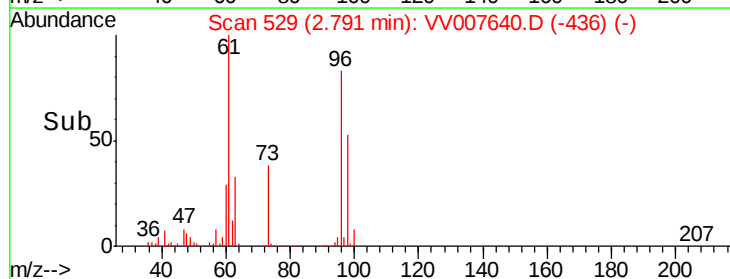
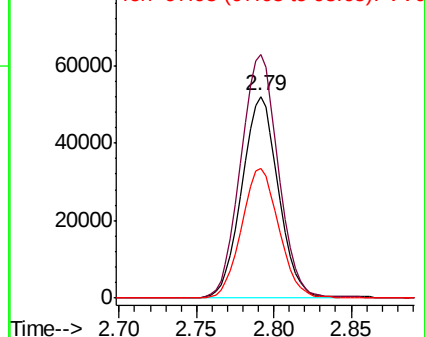
96 100

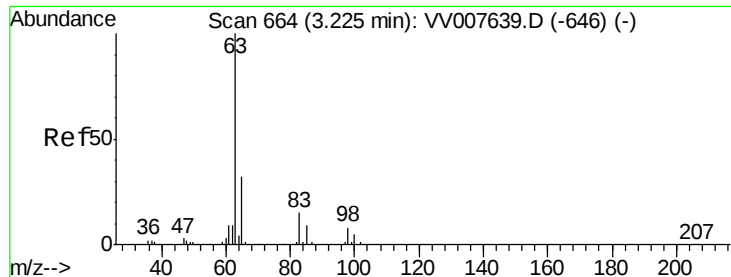
61 120.8 84.4 156.7

98 64.6 43.0 80.0



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

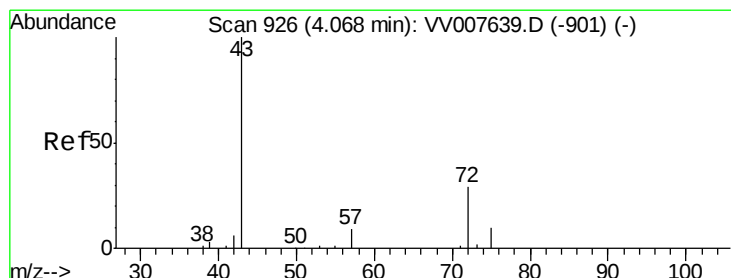
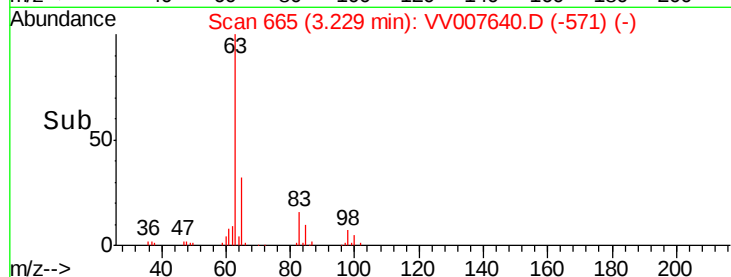
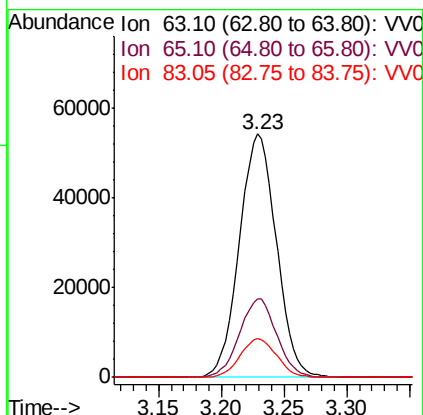
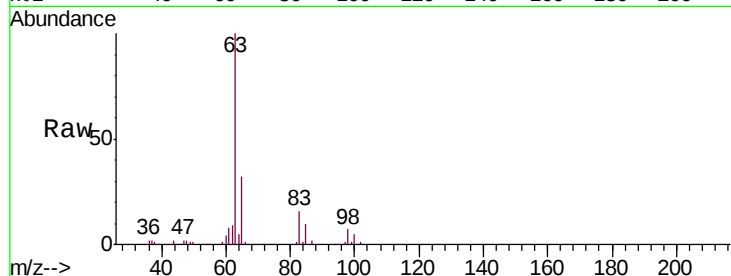




#19
 1,1-Dichloroethane
 Concen: 9.740 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

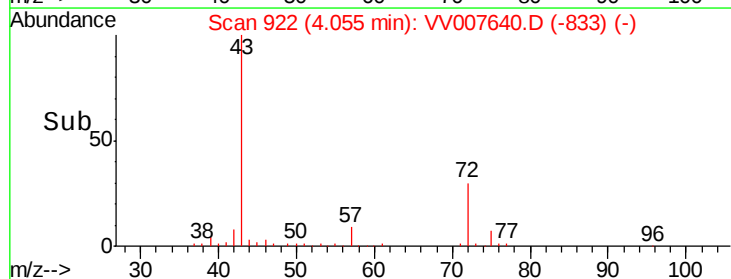
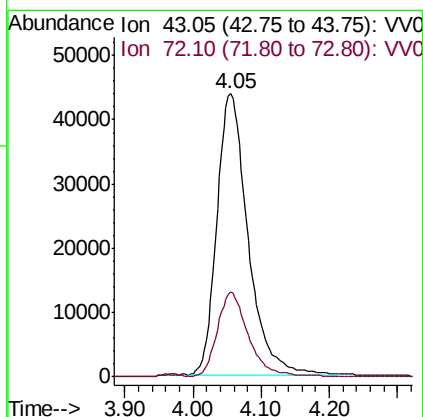
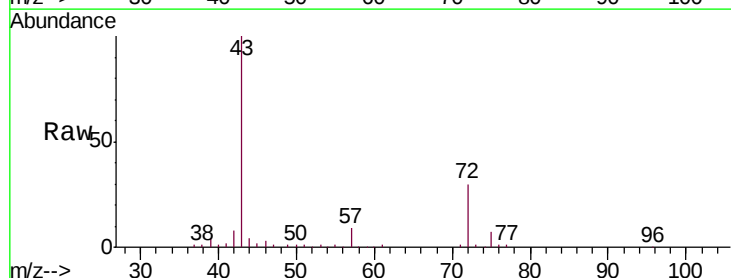
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

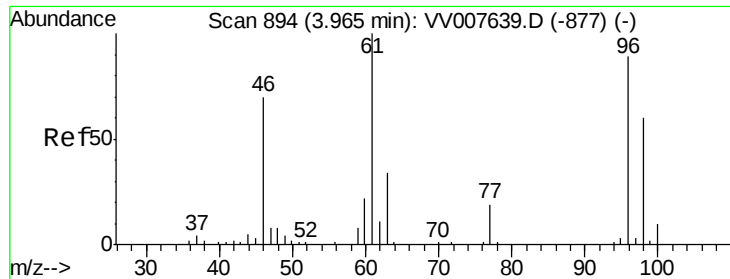
Tgt Ion: 63 Resp: 111603
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.6 42.0
 83 15.7 10.4 19.4



#21
 2-Butanone
 Concen: 129.490 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion: 43 Resp: 138271
 Ion Ratio Lower Upper
 43 100
 72 29.9 14.8 44.4



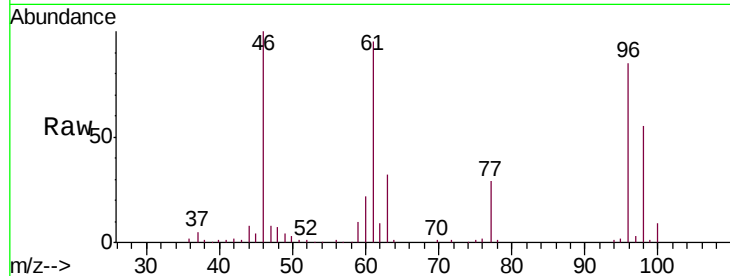


#22

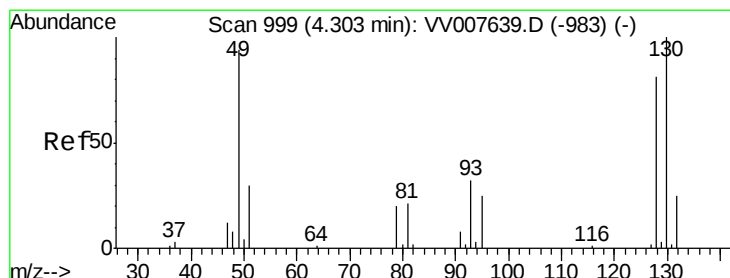
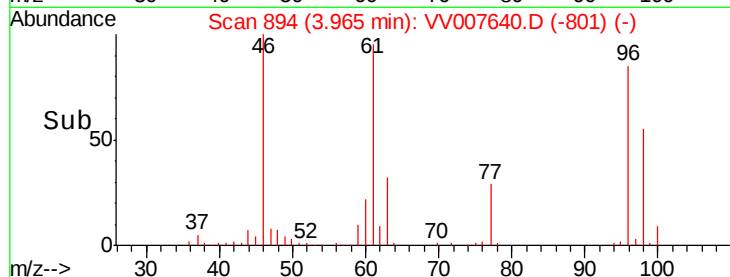
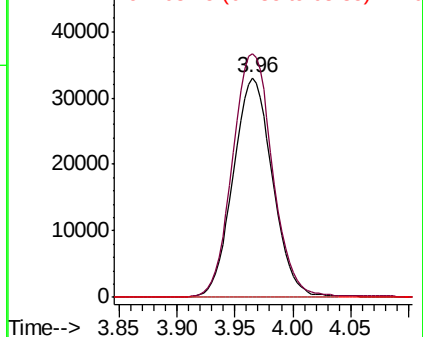
cis-1,2-Dichloroethene
Concen: 10.016 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion: 96 Resp: 78135
Ion Ratio Lower Upper
96 100
61 110.9 79.0 146.8
68 0.0 0.0 0.0



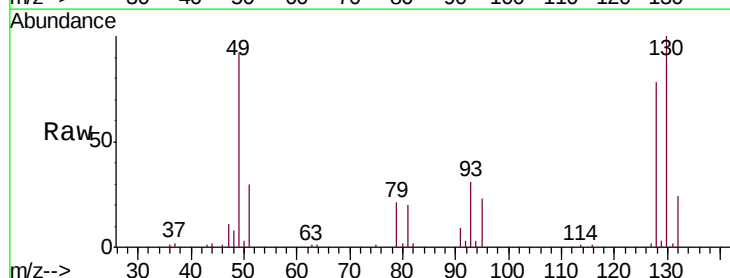
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



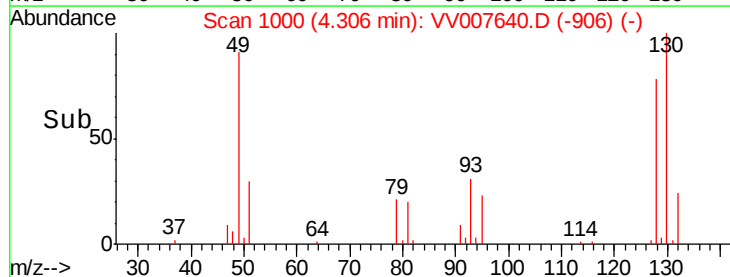
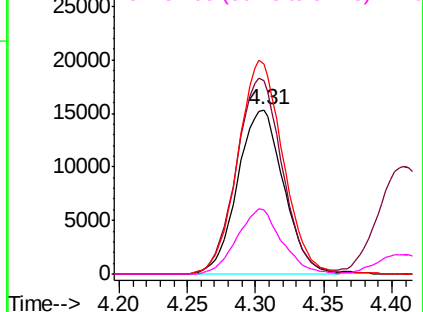
#23

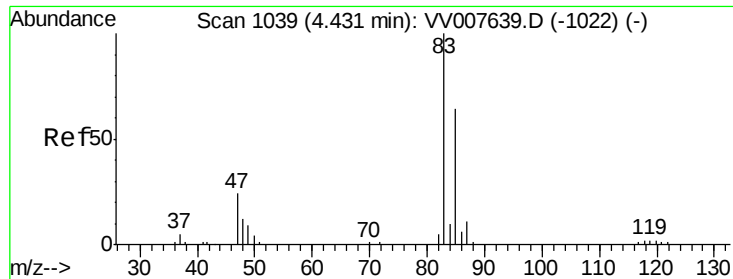
Bromochloromethane
Concen: 10.158 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 128 Resp: 36029
Ion Ratio Lower Upper
128 100
49 117.4 81.7 151.7
130 128.1 86.8 161.2
51 39.1 29.8 44.8



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

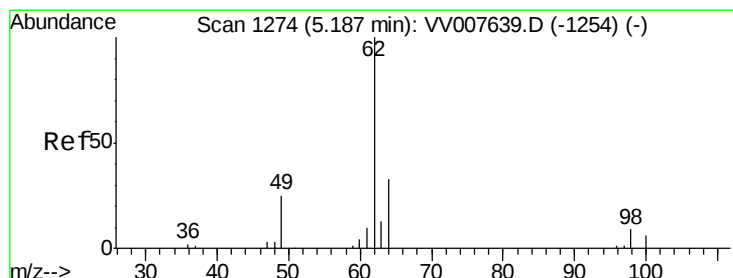
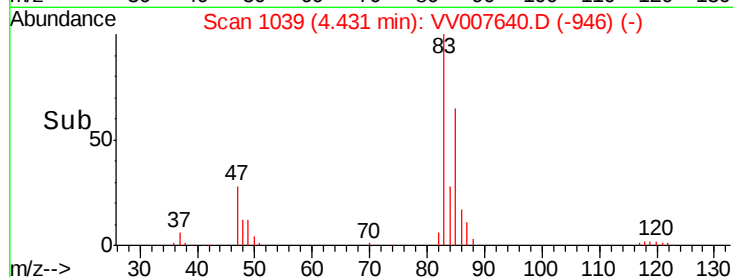
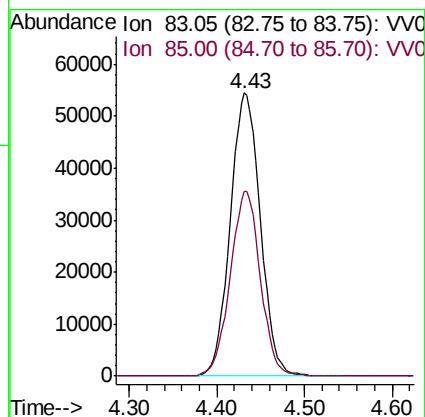
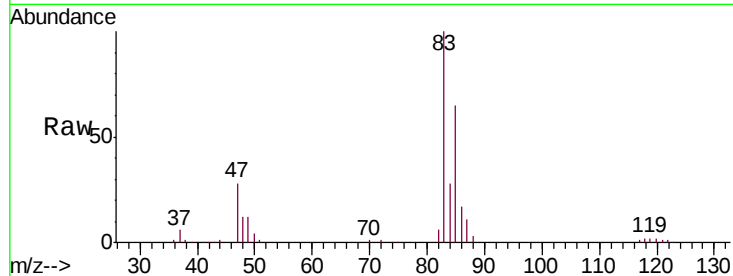




#25
Chloroform
Concen: 9.841 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

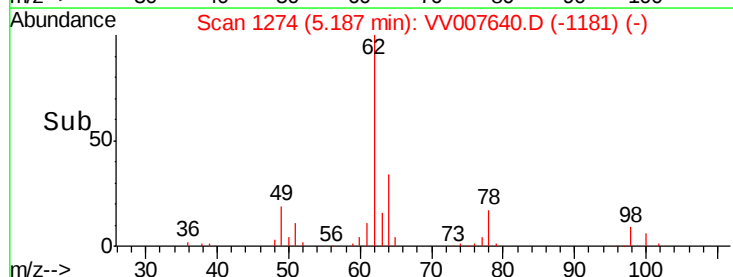
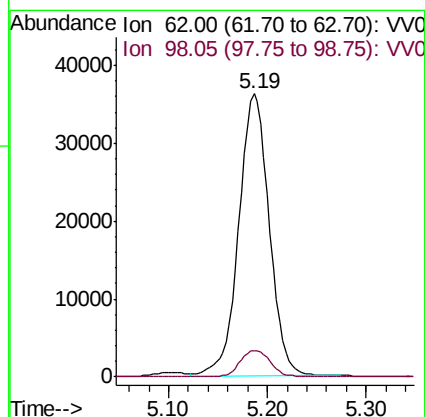
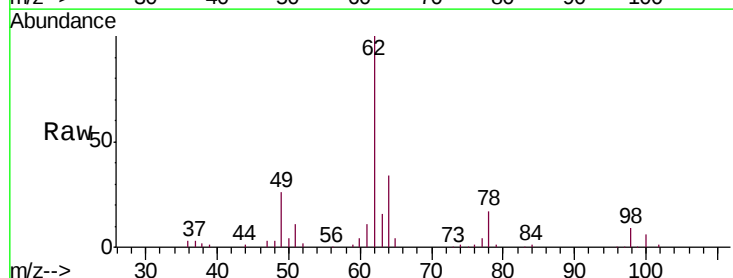
Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

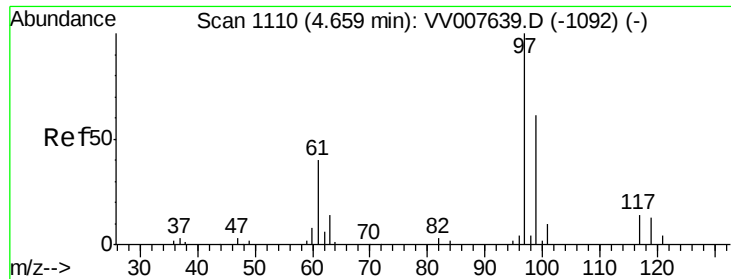
Tgt Ion: 83 Resp: 130203
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 10.198 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 62 Resp: 77976
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3

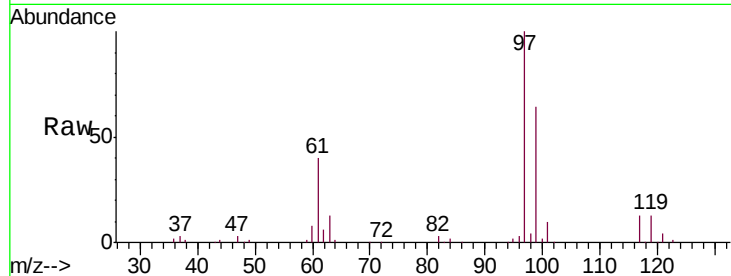




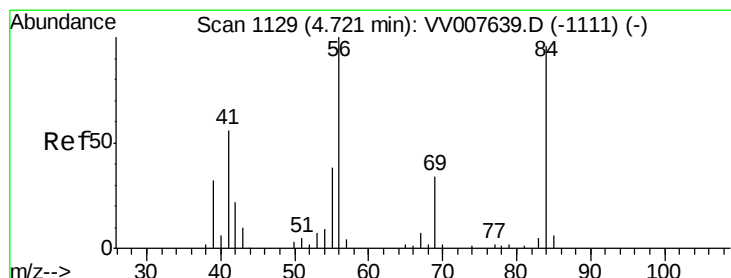
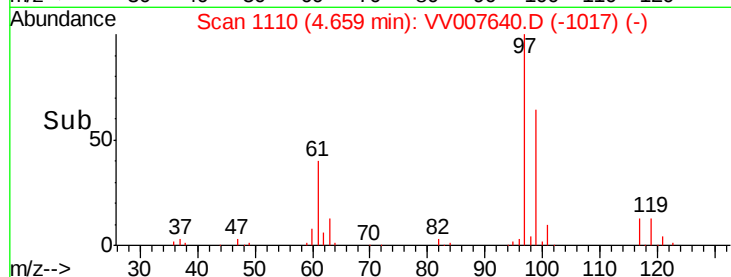
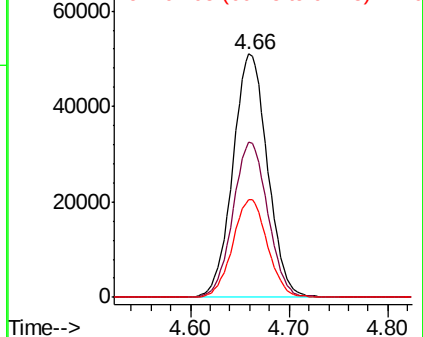
#29
 1,1,1-Trichloroethane
 Concen: 10.136 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Tgt Ion: 97 Resp: 124608
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.6 76.0
 61 40.3 32.8 49.2

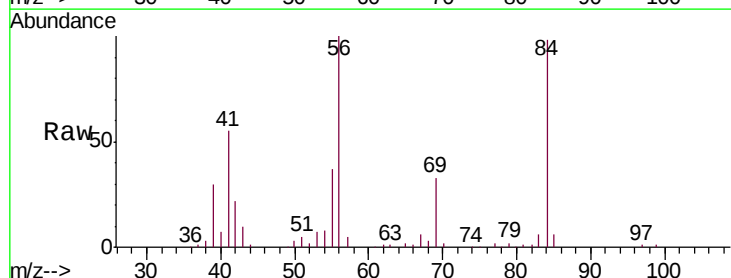


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

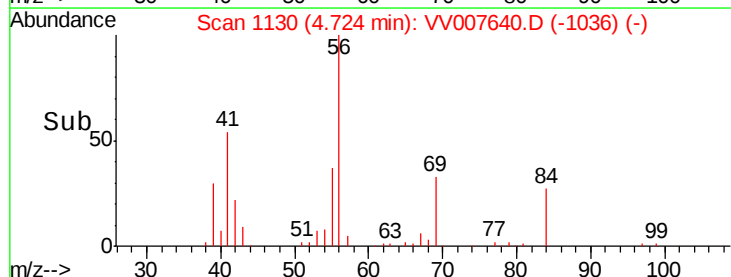
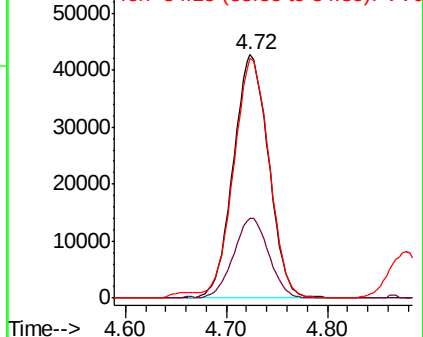


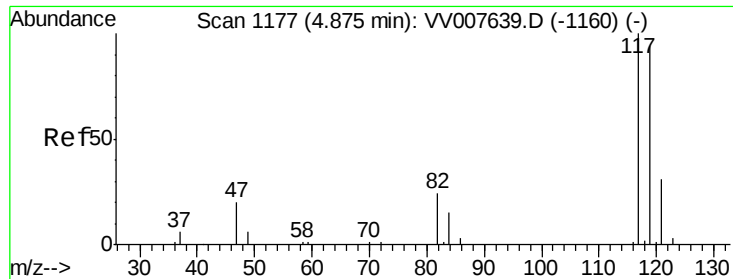
#30
 Cyclohexane
 Concen: 9.731 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion: 56 Resp: 103674
 Ion Ratio Lower Upper
 56 100
 69 32.8 26.9 40.3
 84 98.5 78.9 118.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 10.022 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampled :

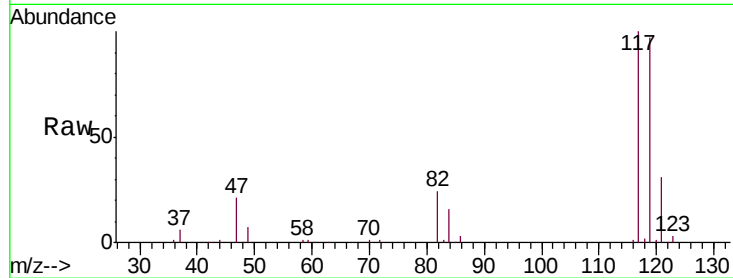
VSTD01070

Tgt Ion:117 Resp: 114775

Ion Ratio Lower Upper

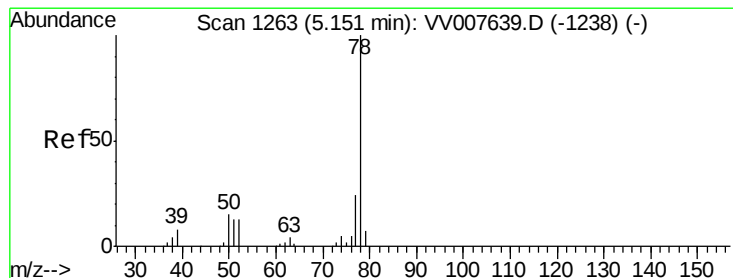
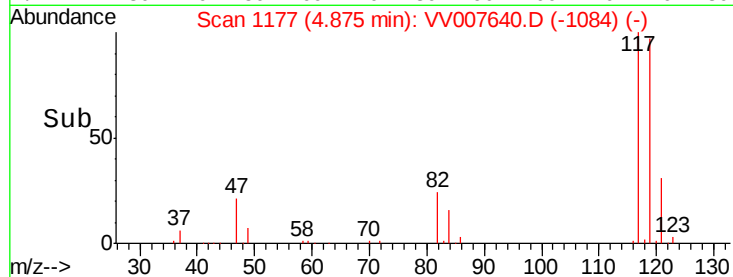
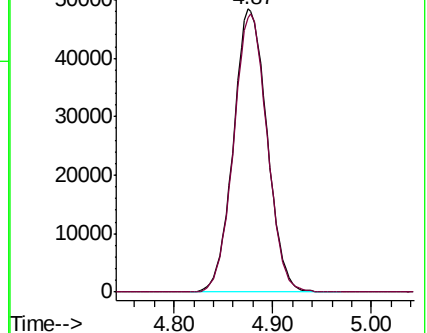
117 100

119 97.6 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.136 ug/L

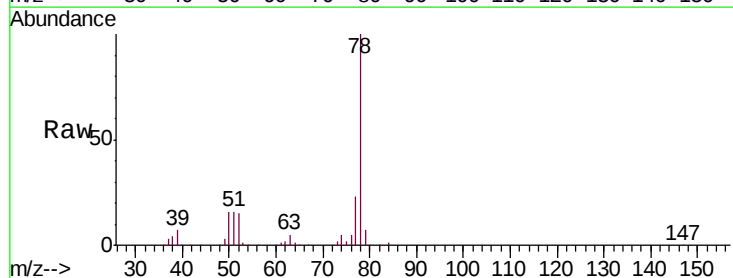
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

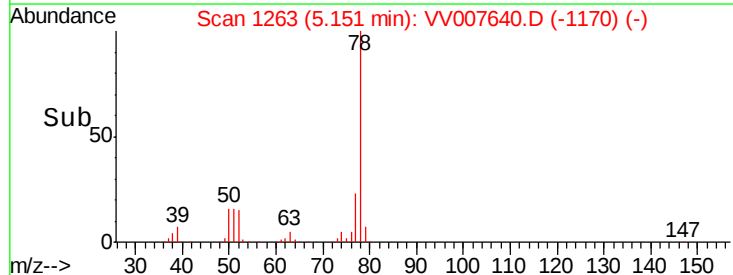
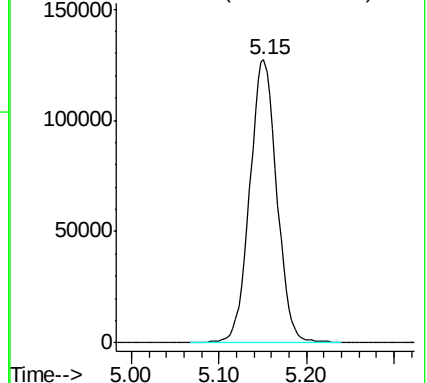
Lab File: VV007640.D

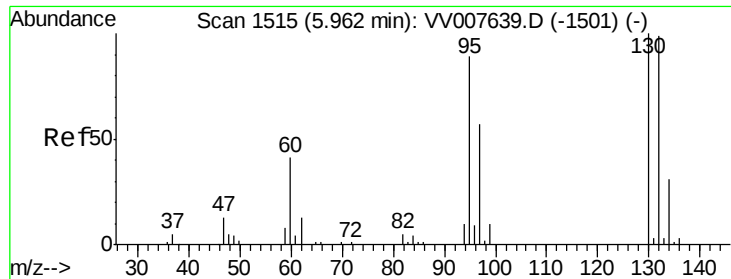
Acq: 19 Sep 2018 21:55

Tgt Ion: 78 Resp: 273643



Abundance Ion 78.10 (77.80 to 78.80): VV0

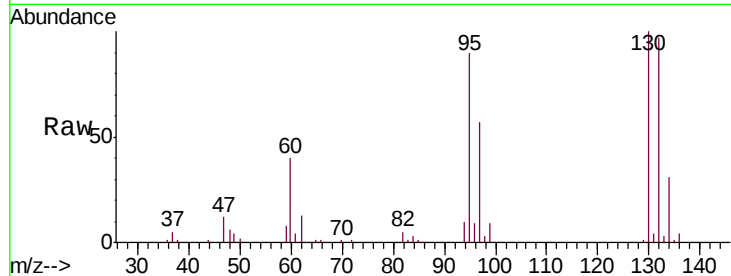




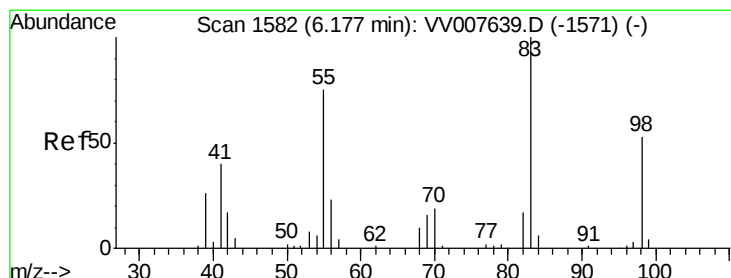
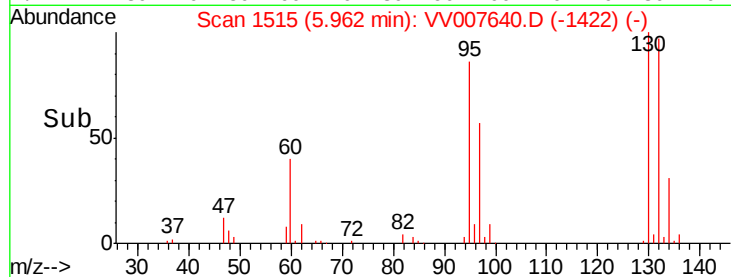
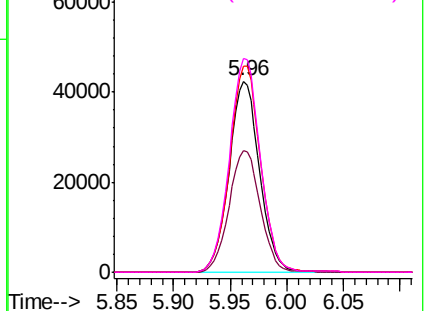
#34
 Trichloroethene
 Concen: 9.007 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Tgt Ion: 95 Resp: 79650
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.1 83.9
 132 108.0 78.2 145.2
 130 111.7 78.8 146.3

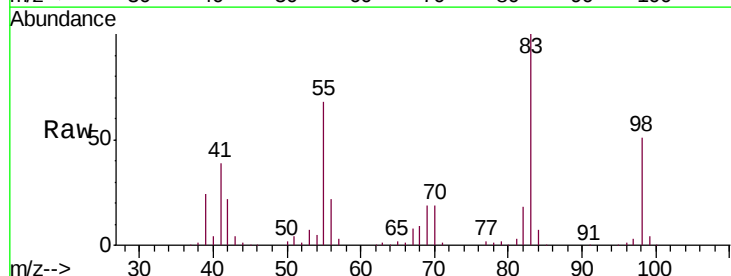


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

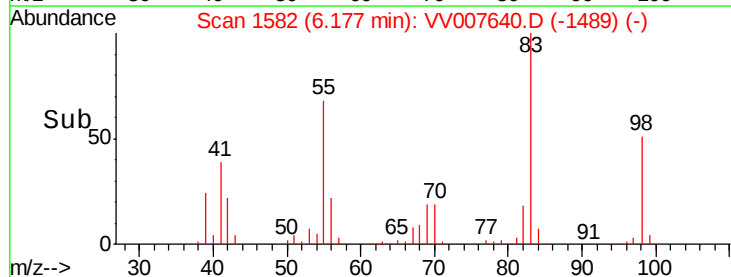
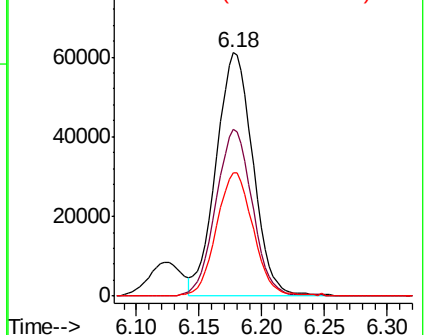


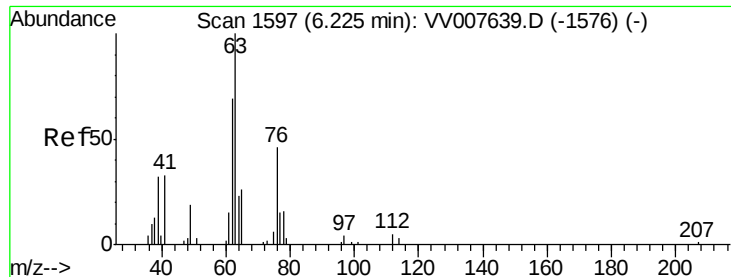
#35
 Methylcyclohexane
 Concen: 9.656 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion: 83 Resp: 124368
 Ion Ratio Lower Upper
 83 100
 55 68.5 54.8 82.2
 98 50.9 40.7 61.1



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: 10.556 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

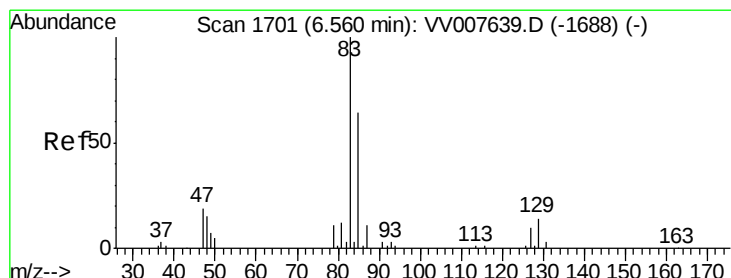
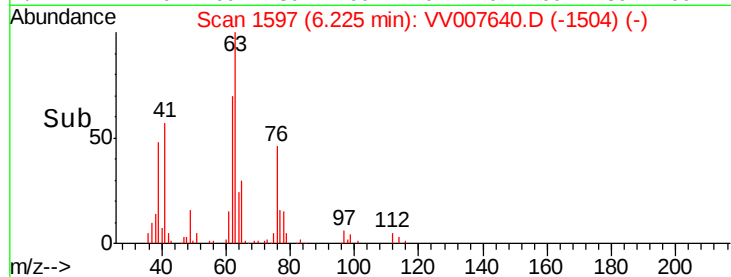
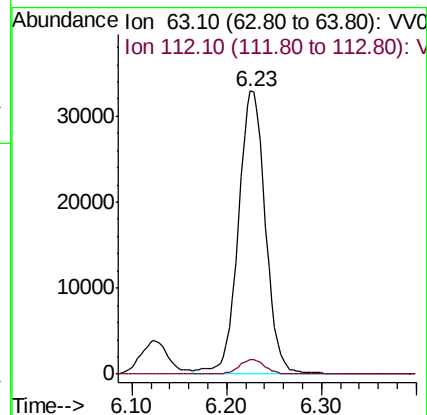
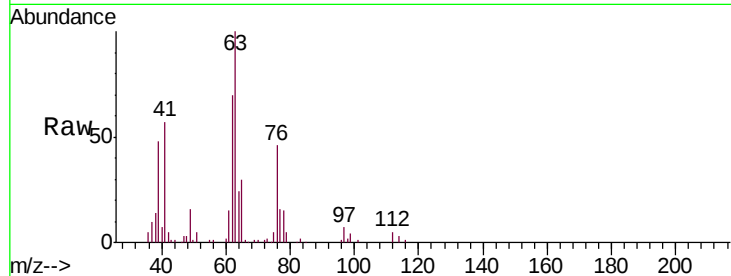
VSTD01070

Tgt Ion: 63 Resp: 65558

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 10.182 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

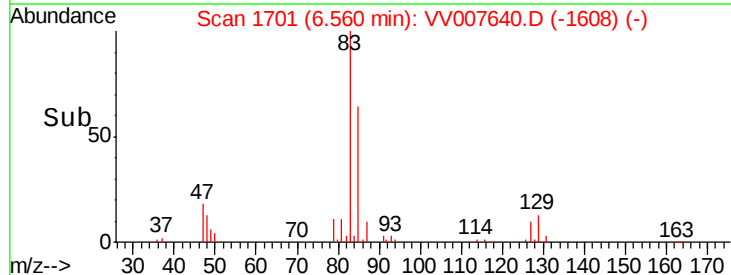
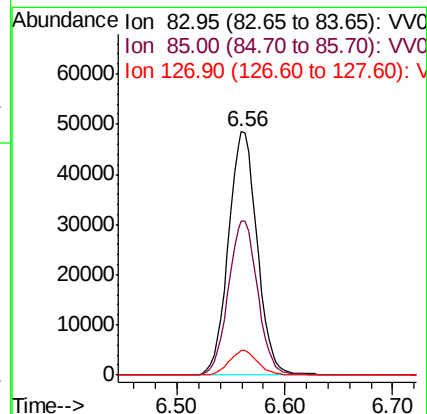
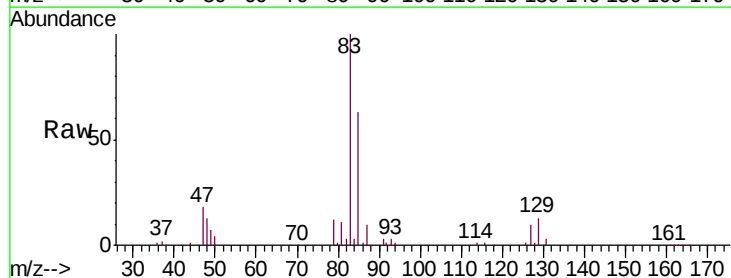
Tgt Ion: 83 Resp: 90031

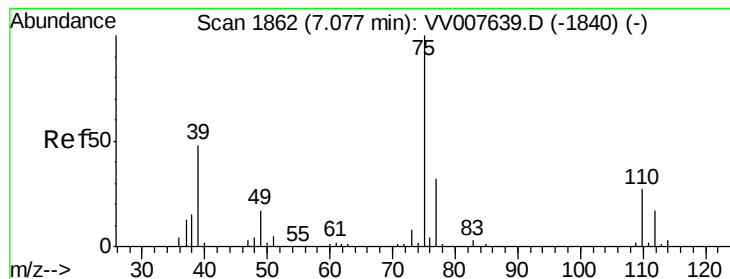
Ion Ratio Lower Upper

83 100

85 63.5 44.5 82.7

127 10.0 7.9 11.9



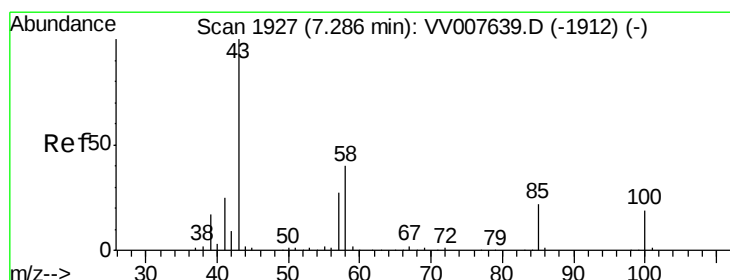
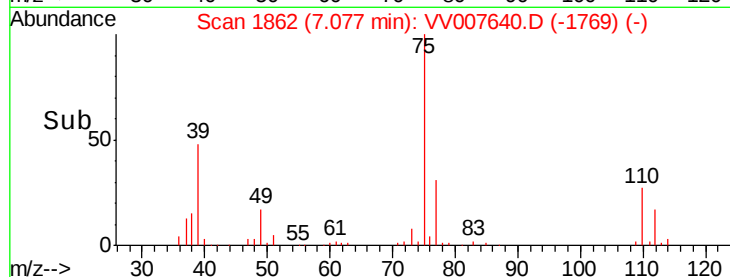
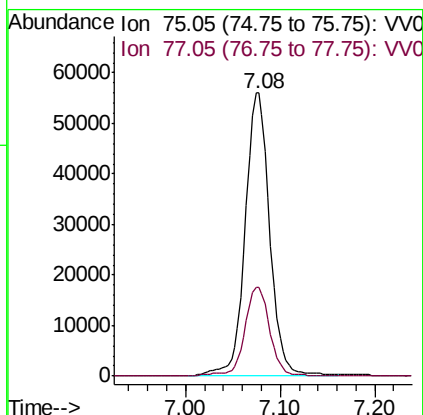
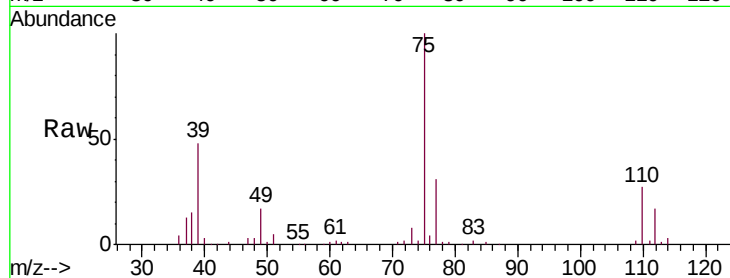


#39

cis-1,3-Dichloropropene
 Concen: 10.080 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

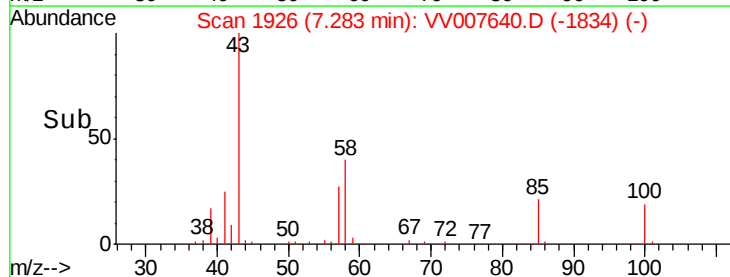
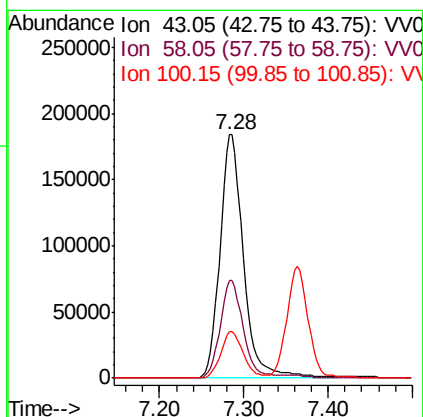
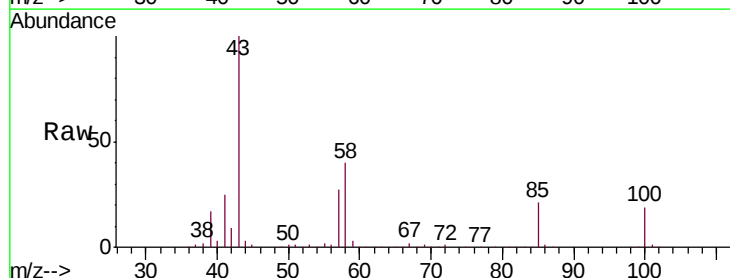
Tgt Ion: 75 Resp: 101375
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.3

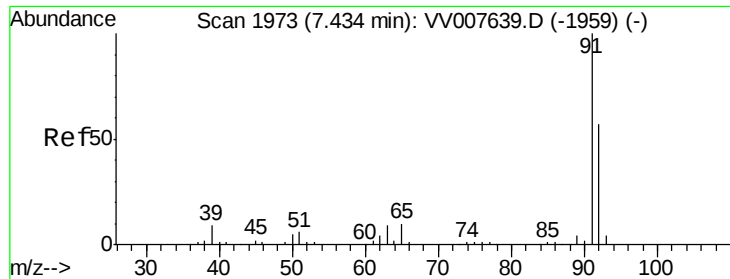


#40

4-Methyl-2-pentanone
 Concen: 98.453 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion: 43 Resp: 355517
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.4 48.6
 100 18.1 14.6 21.8





#42

Toluene

Concen: 10.087 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

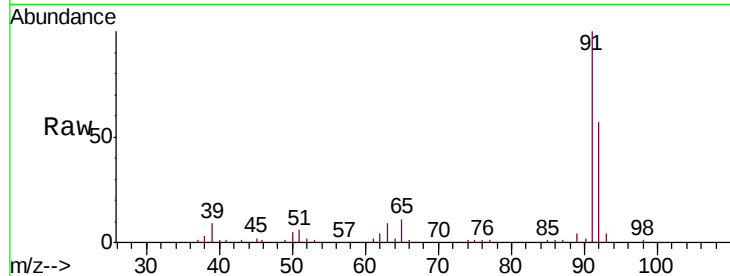
VSTD01070

Tgt Ion: 91 Resp: 316519

Ion Ratio Lower Upper

91 100

92 57.3 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VV007639.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007639.D (-1959) (-)

7.43

200000

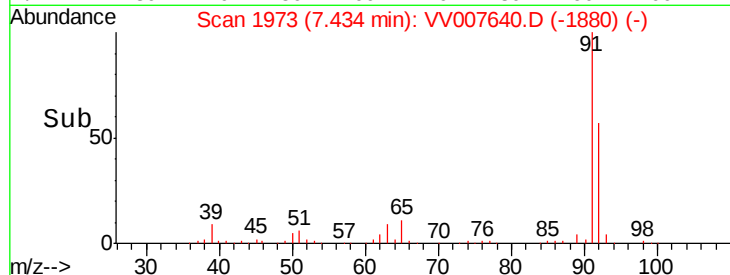
150000

100000

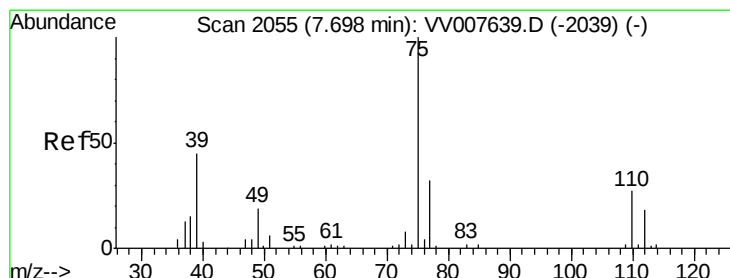
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.161 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007640.D

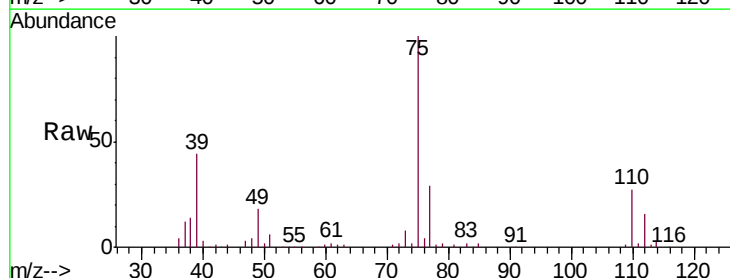
Acq: 19 Sep 2018 21:55

Tgt Ion: 75 Resp: 81963

Ion Ratio Lower Upper

75 100

77 29.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV007639.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV007639.D (-2039) (-)

7.70

50000

40000

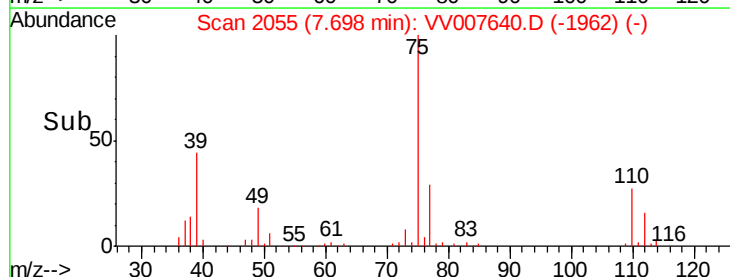
30000

20000

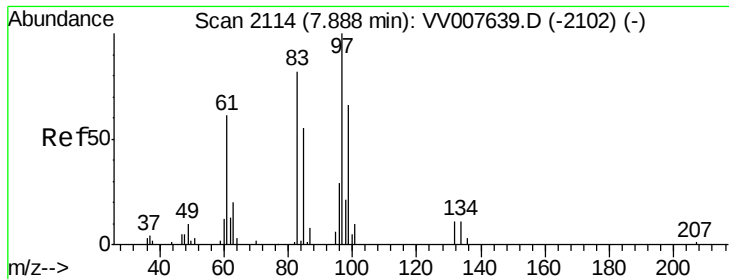
10000

0

Time-->



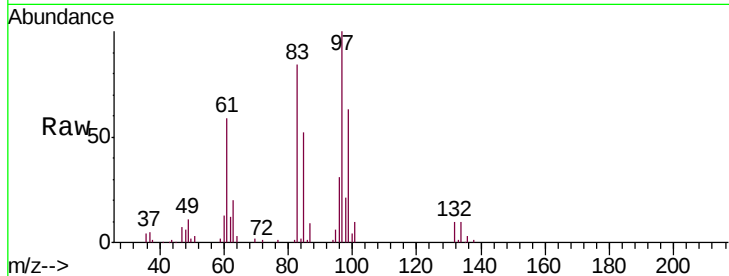
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 9.927 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Tgt Ion:	97	Resp:	49877
Ion	Ratio	Lower	Upper
97	100		
99	63.1	46.0	85.4
83	83.5	57.3	106.3
85	52.0	38.4	71.4



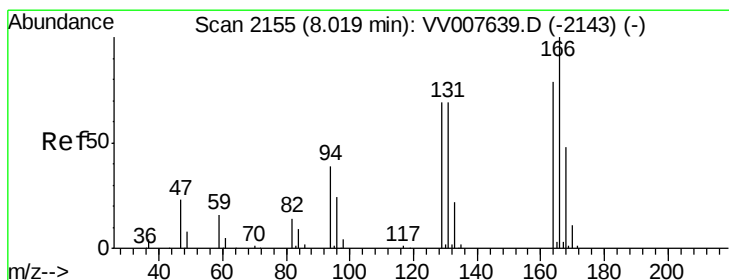
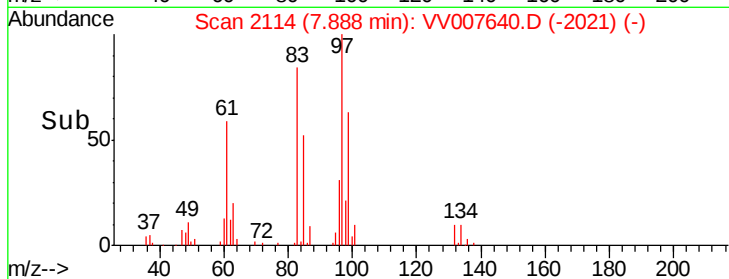
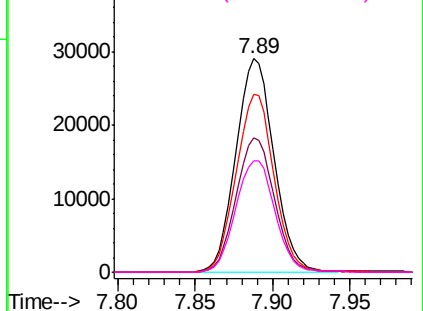
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

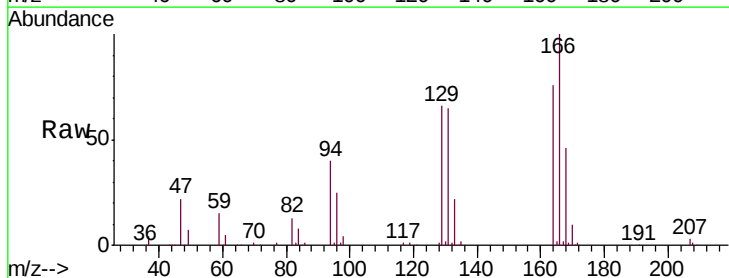
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 9.645 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion:	164	Resp:	78052
Ion	Ratio	Lower	Upper
164	100		
129	87.5	61.5	114.3
131	85.2	60.9	113.1
166	132.1	88.8	165.0



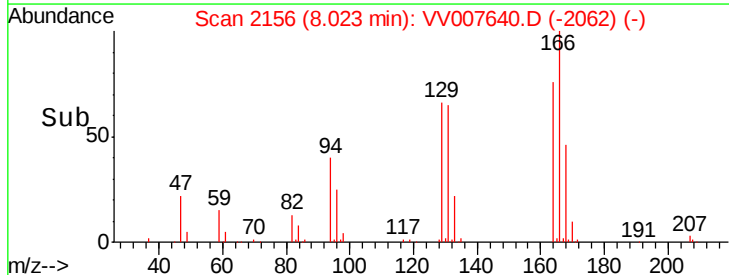
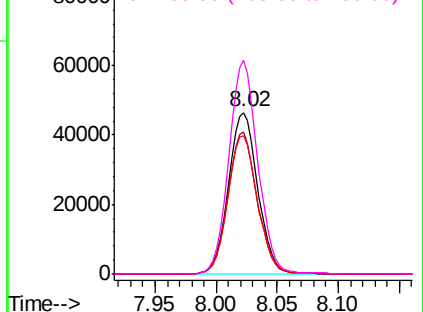
Abundance

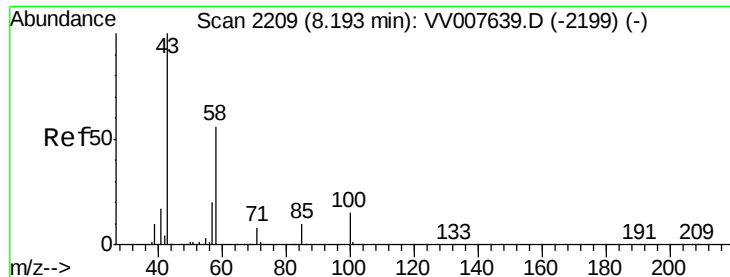
Ion 163.90 (163.60 to 164.60): V

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

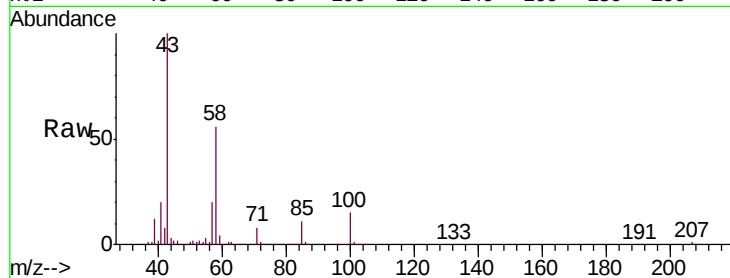




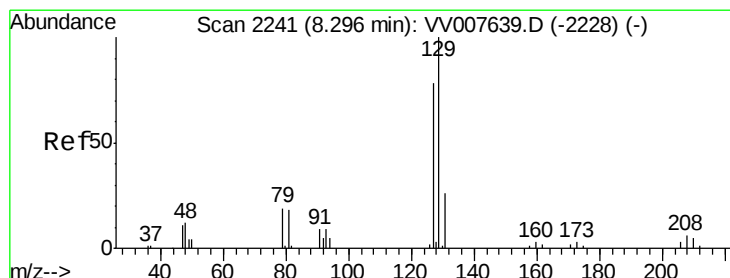
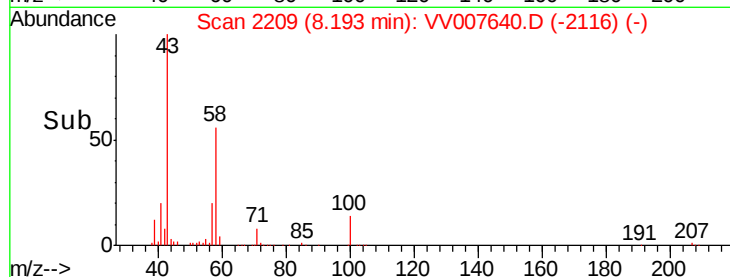
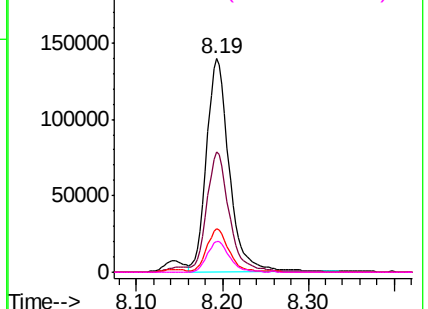
#48
2-Hexanone
Concen: 94.285 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion: 43 Resp: 258209
Ion Ratio Lower Upper
43 100
58 55.2 45.3 67.9
57 20.1 16.6 24.8
100 14.2 11.4 17.0

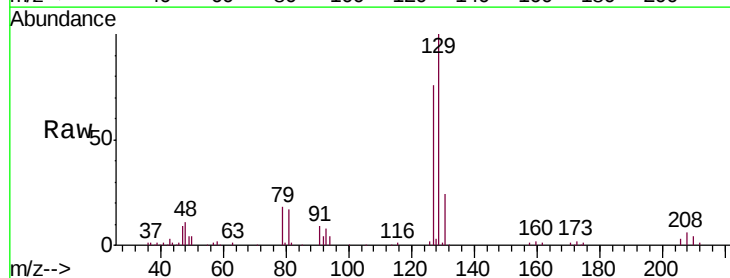


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

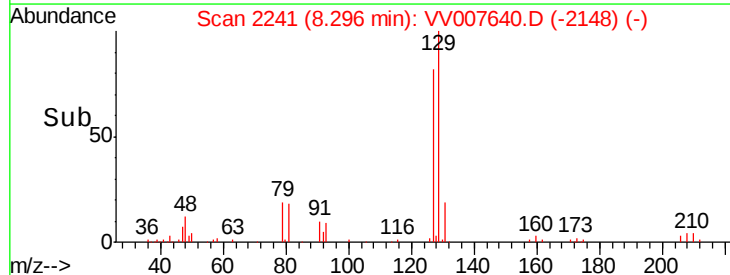
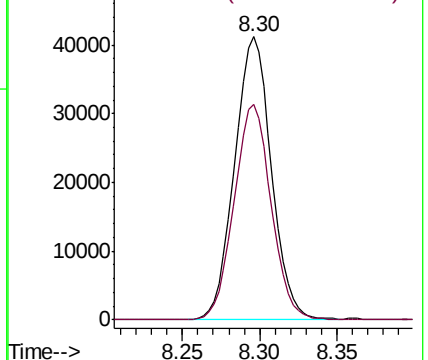


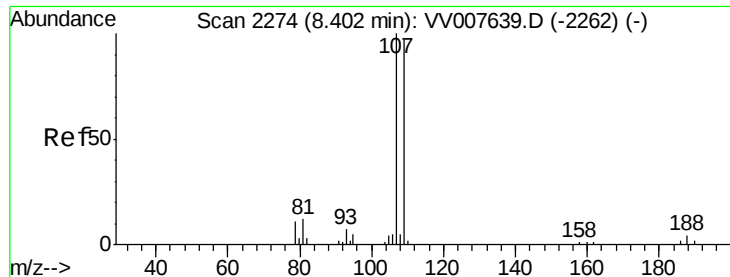
#49
Dibromochloromethane
Concen: 10.343 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 129 Resp: 67972
Ion Ratio Lower Upper
129 100
127 76.2 54.9 102.1



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

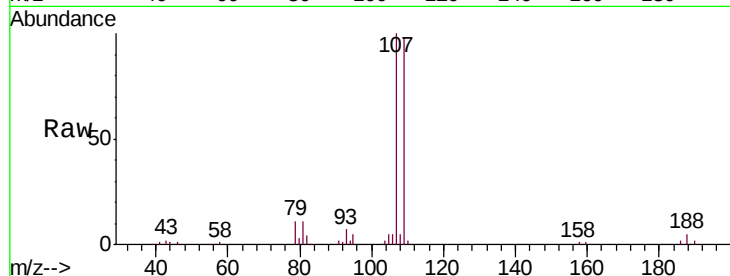




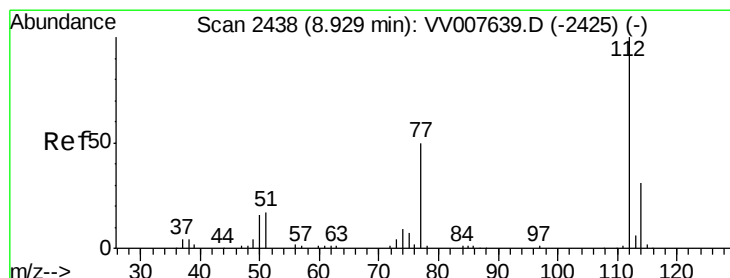
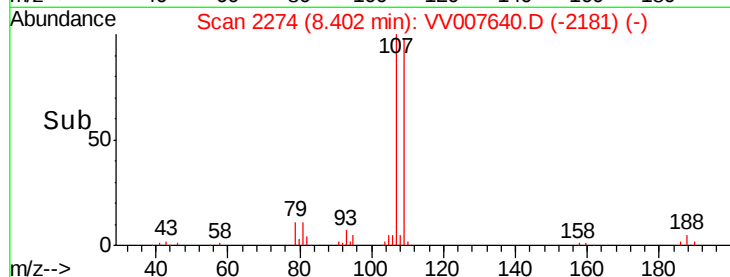
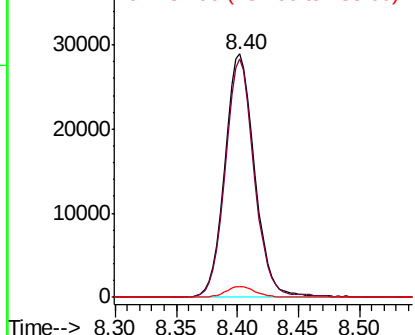
#50
1,2-Dibromoethane
Concen: 9.970 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion:107 Resp: 49588
Ion Ratio Lower Upper
107 100
109 98.2 68.0 126.4
188 4.6 3.5 5.3

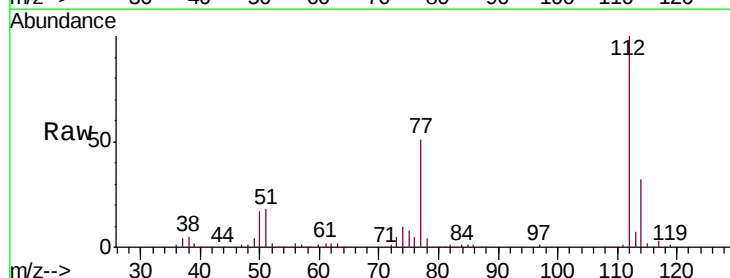


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

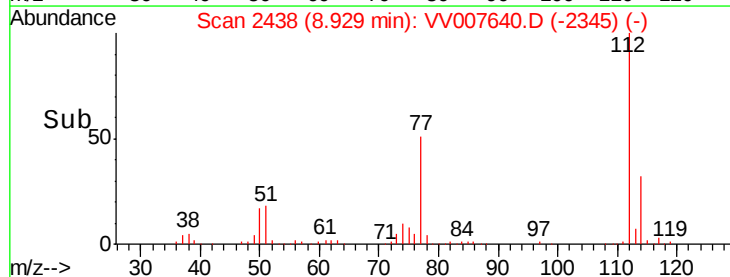
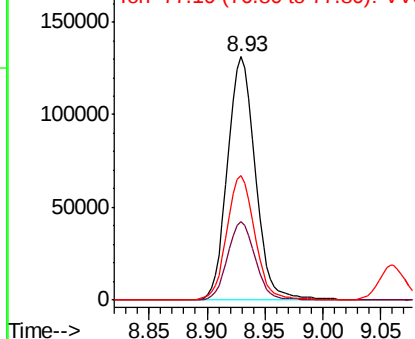


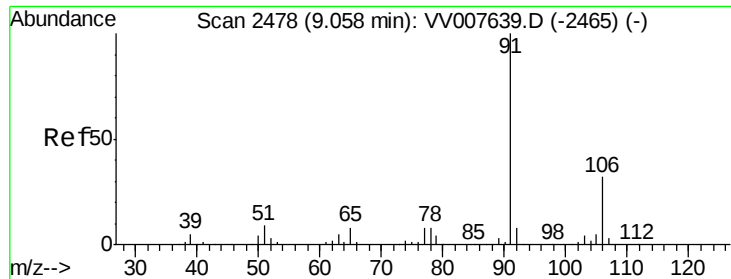
#51
Chlorobenzene
Concen: 9.983 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:112 Resp: 217387
Ion Ratio Lower Upper
112 100
114 32.1 21.5 39.9
77 51.1 40.8 61.2



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: 10.028 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

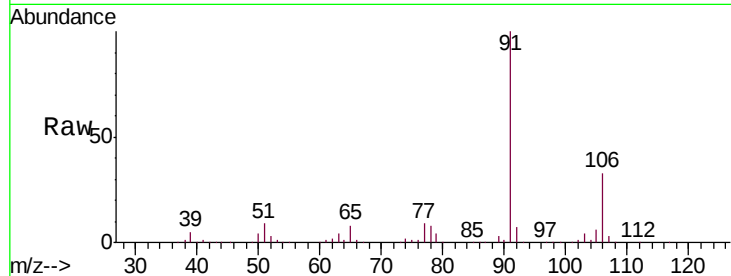
VSTD01070

Tgt Ion: 91 Resp: 356968

Ion Ratio Lower Upper

91 100

106 33.1 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV007639.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV007639.D (-2465) (-)

9.06

250000

200000

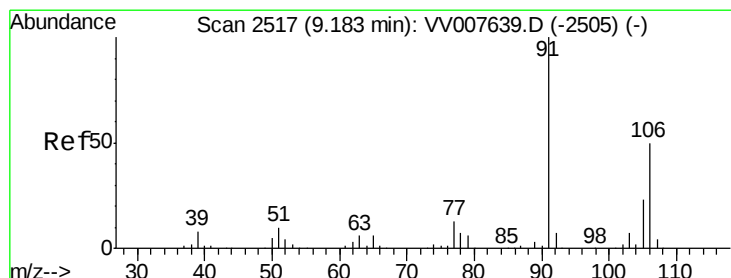
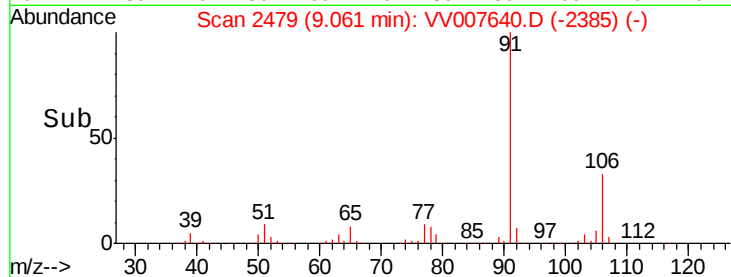
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 9.875 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007640.D

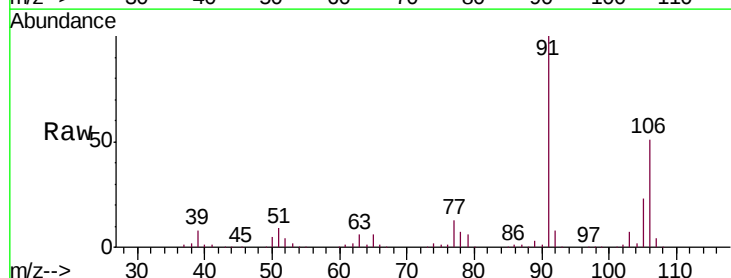
Acq: 19 Sep 2018 21:55

Tgt Ion: 106 Resp: 141684

Ion Ratio Lower Upper

106 100

91 195.2 140.9 261.7



Abundance Ion 106.15 (105.85 to 106.85): VV007639.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV007639.D (-2505) (-)

9.19

200000

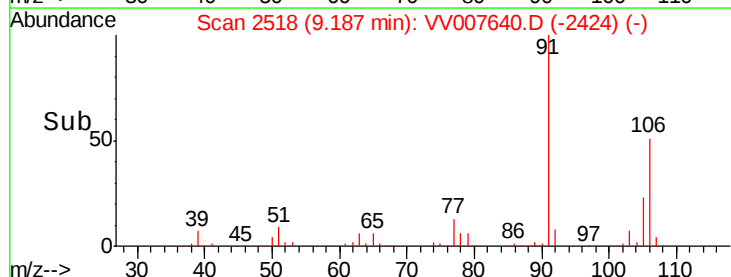
150000

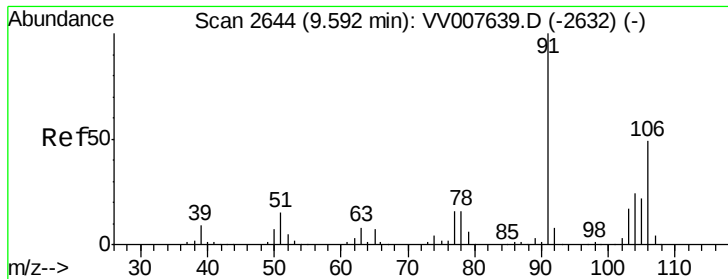
100000

50000

0

Time--> 9.10 9.20 9.30





#54

o-xylene

Concen: 10.330 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

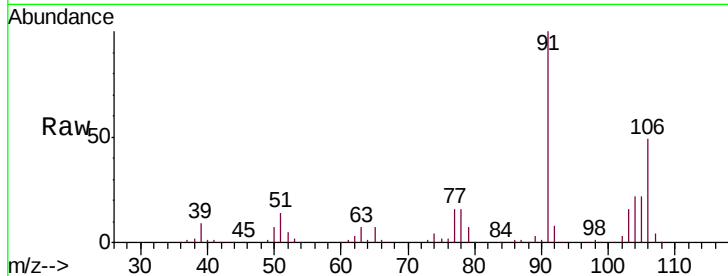
VSTD01070

Tgt Ion:106 Resp: 139739

Ion Ratio Lower Upper

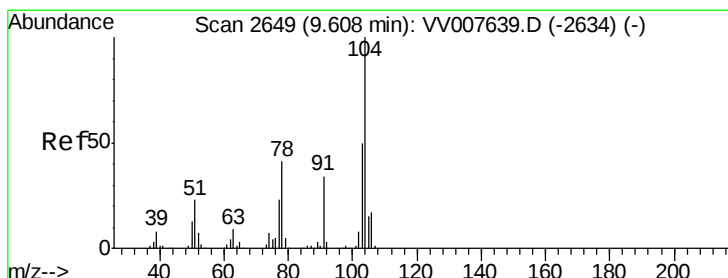
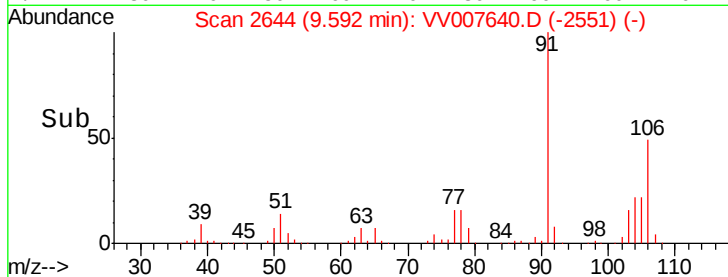
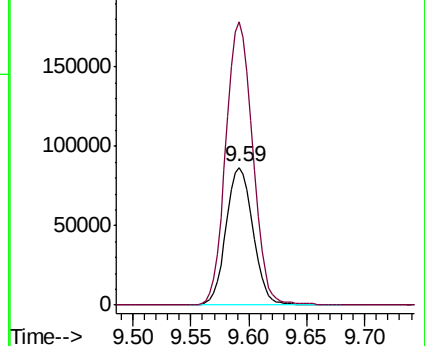
106 100

91 205.0 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.363 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007640.D

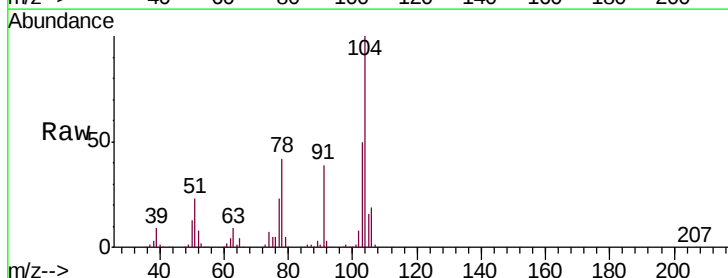
Acq: 19 Sep 2018 21:55

Tgt Ion:104 Resp: 232739

Ion Ratio Lower Upper

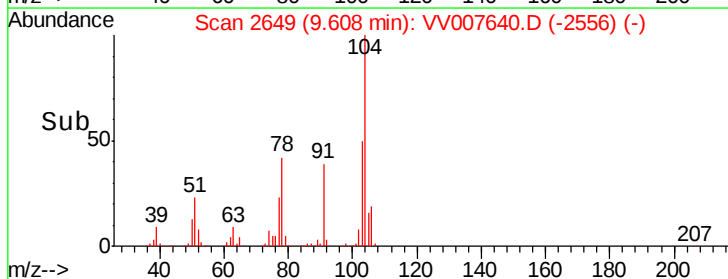
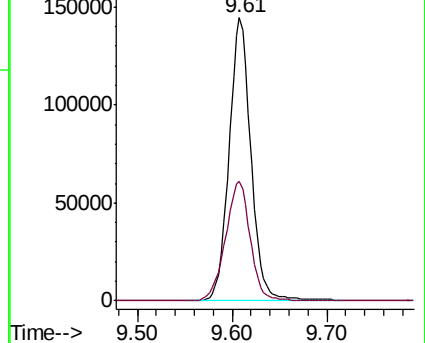
104 100

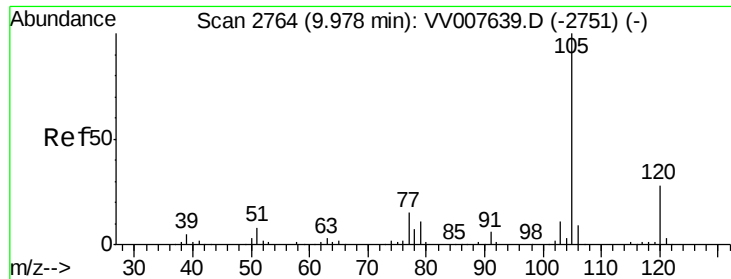
78 42.4 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.161 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

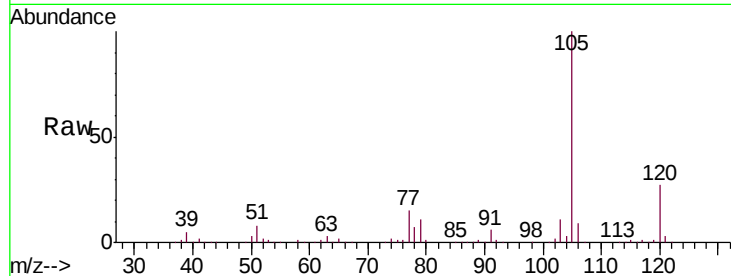
Tgt Ion:105 Resp: 378919

Ion Ratio Lower Upper

105 100

120 27.5 22.4 33.6

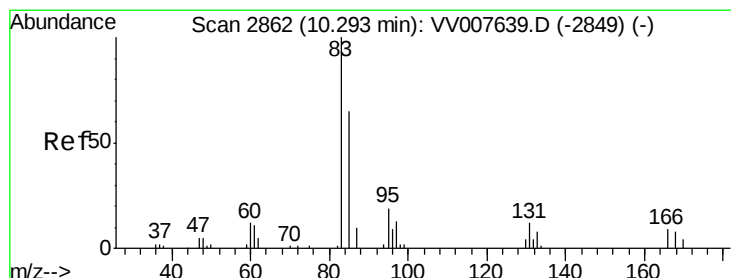
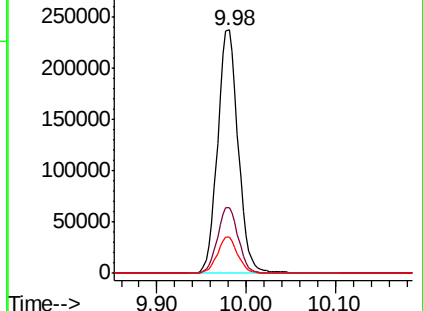
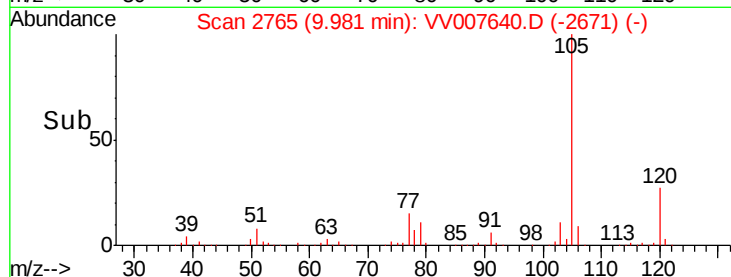
77 14.8 11.8 17.6



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: 12.252 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

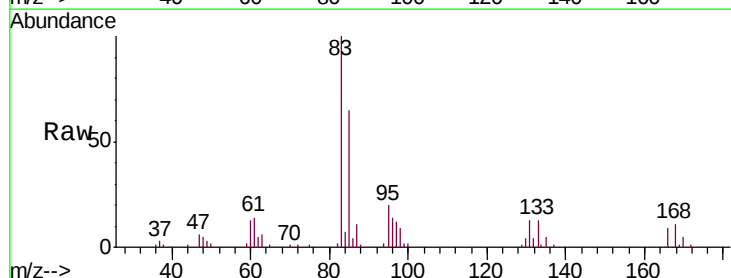
Tgt Ion: 83 Resp: 58410

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2

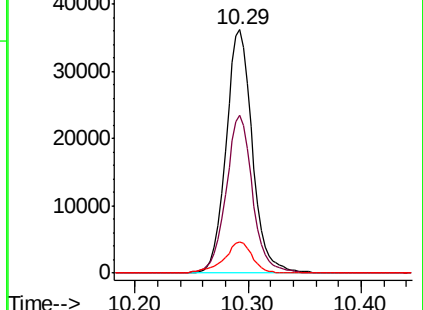
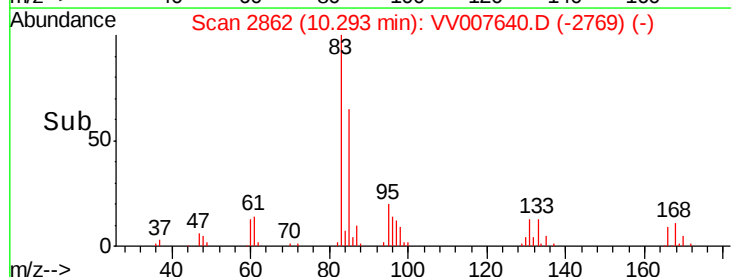
131 12.8 9.4 14.0

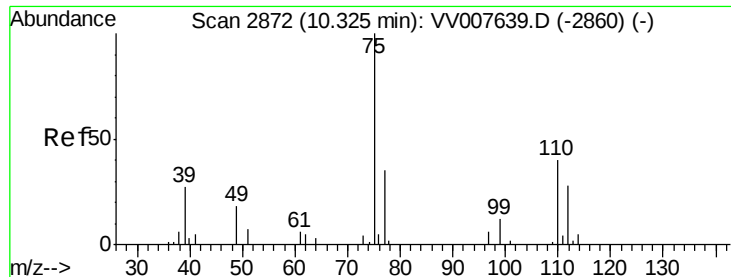


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

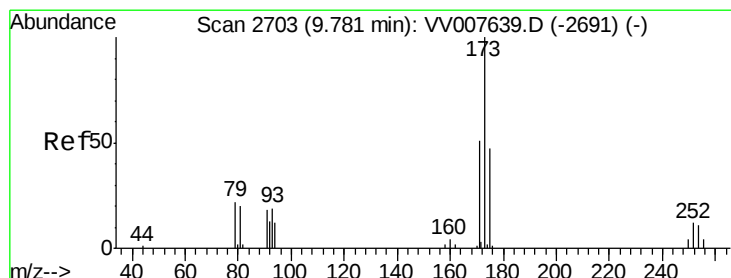
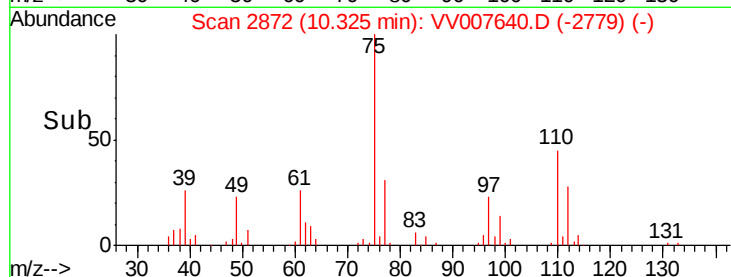
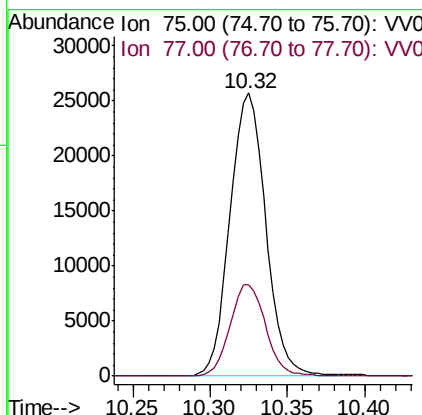
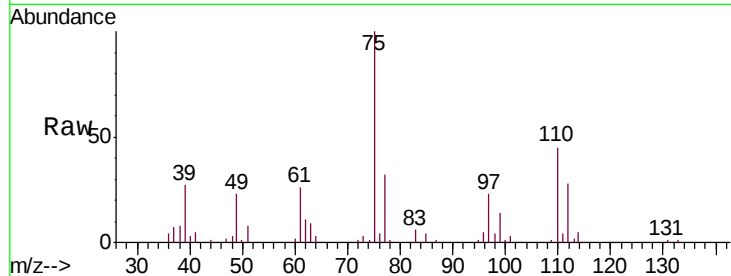




#59
 1,2,3-Trichloropropane
 Concen: 10.087 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

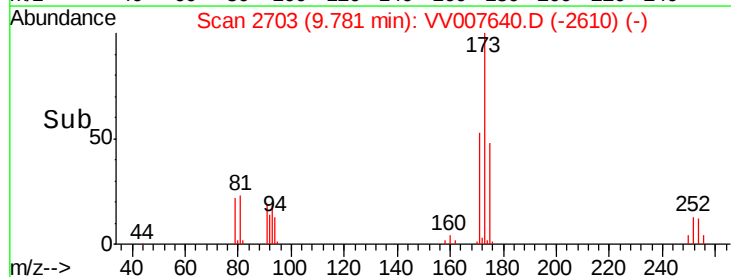
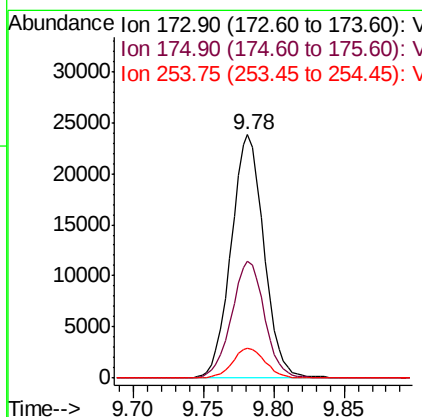
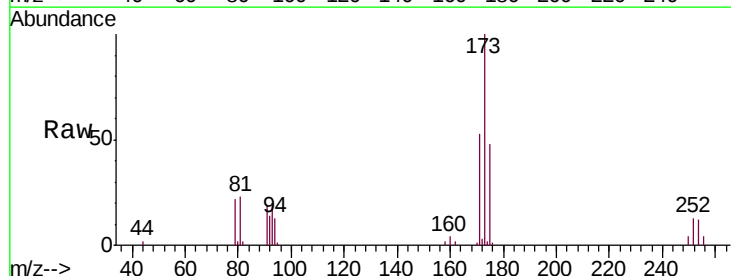
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

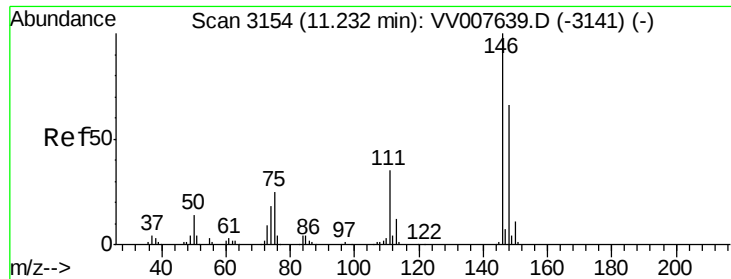
Tgt Ion: 75 Resp: 41339
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.5 39.7



#61
 Bromoform
 Concen: 9.935 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion: 173 Resp: 38699
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.5 56.3
 254 12.1 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 9.826 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

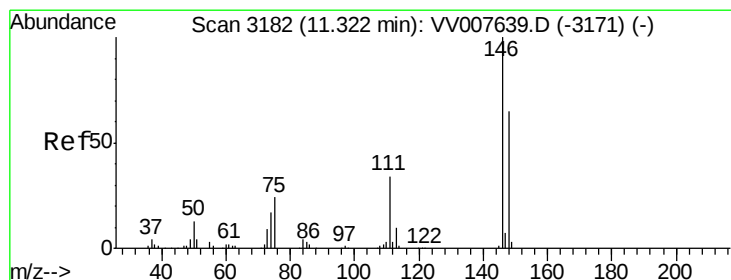
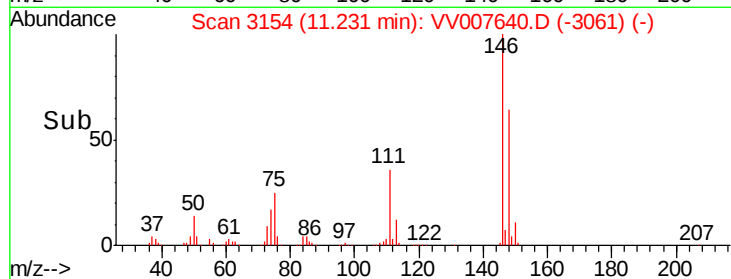
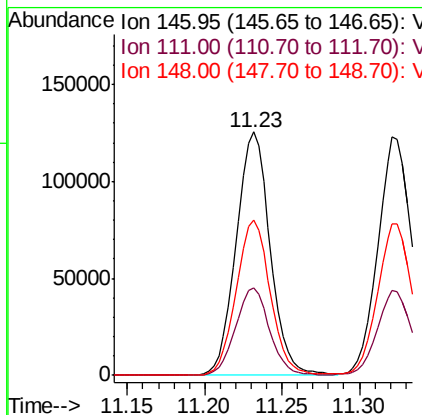
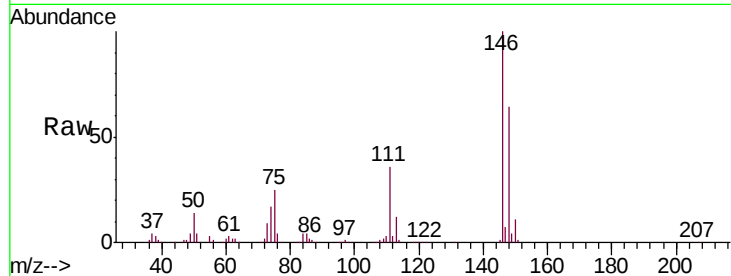
Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

Tgt Ion:	146	Resp:	191937
Ion	Ratio	Lower	Upper
146	100		
111	36.0	24.7	45.9
148	63.8	46.1	85.7



#63

1,4-Dichlorobenzene

Concen: 9.969 ug/L

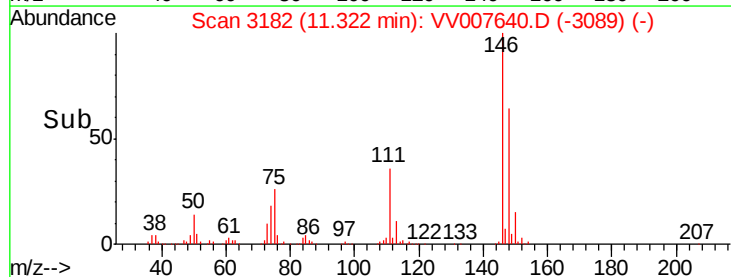
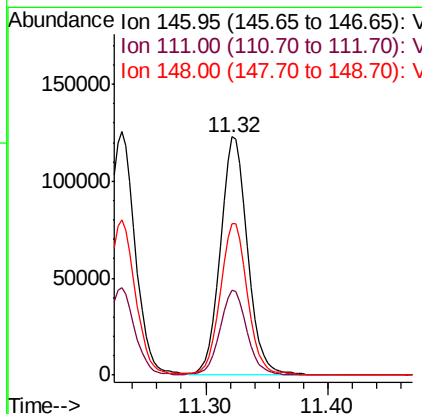
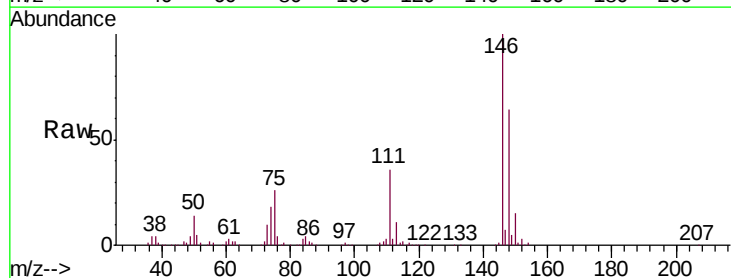
RT: 11.32 min Scan# 3182

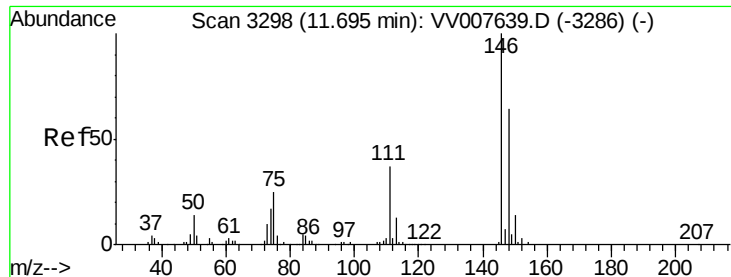
Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Tgt Ion:	146	Resp:	192834
Ion	Ratio	Lower	Upper
146	100		
111	35.6	24.3	45.1
148	63.5	45.7	84.9





#65

1,2-Dichlorobenzene

Concen: 9.964 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

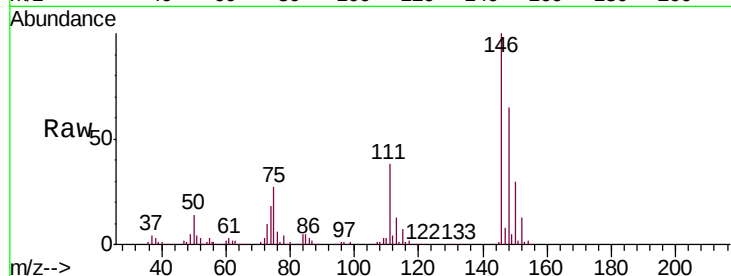
Tgt Ion:146 Resp: 179608

Ion Ratio Lower Upper

146 100

111 37.6 30.0 45.0

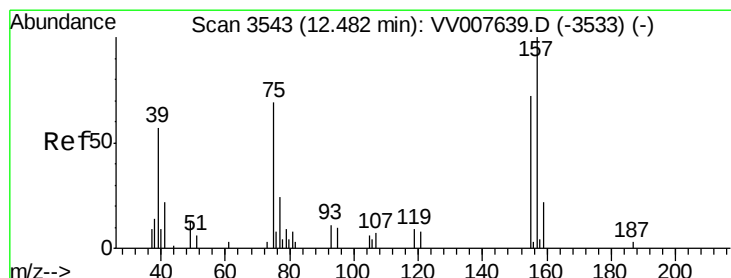
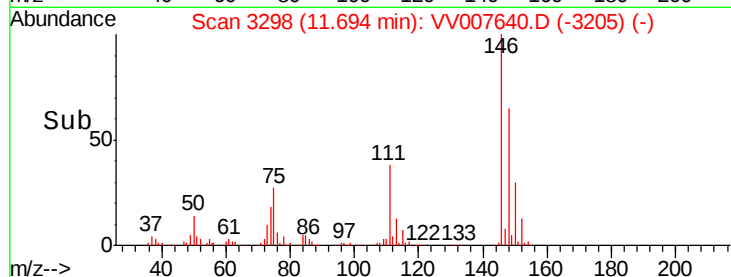
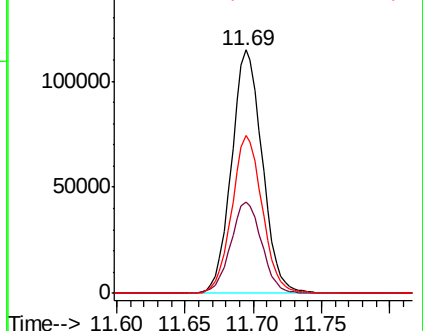
148 64.7 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 11.584 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

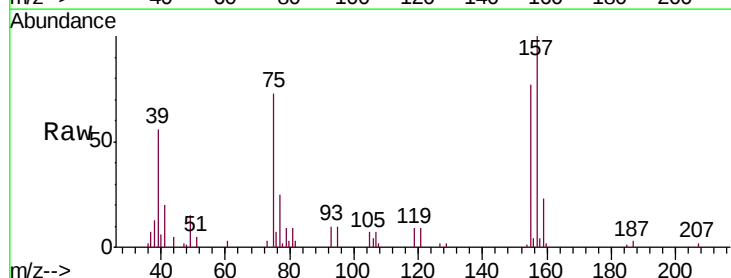
Tgt Ion: 75 Resp: 8977

Ion Ratio Lower Upper

75 100

155 104.9 84.6 127.0

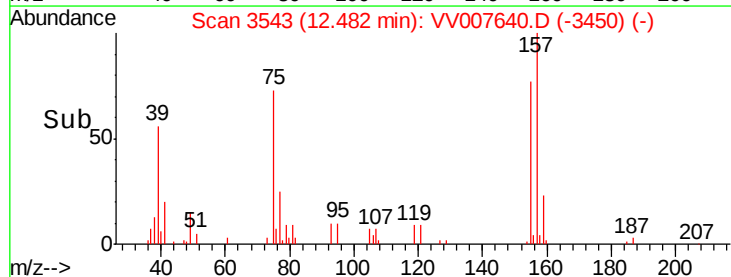
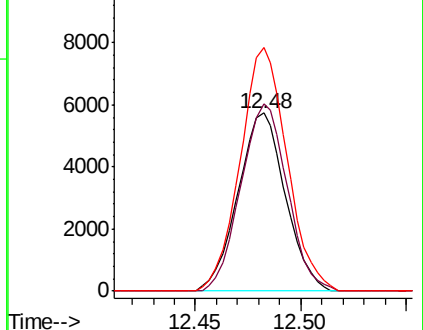
157 136.6 116.8 175.2

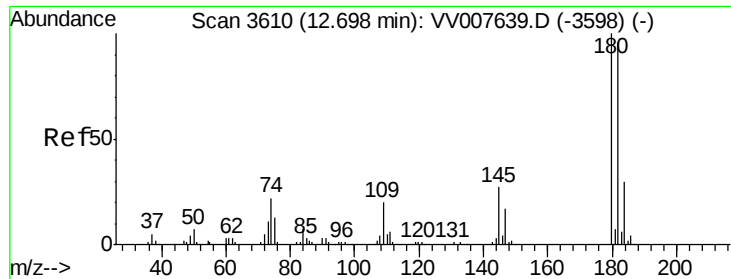


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

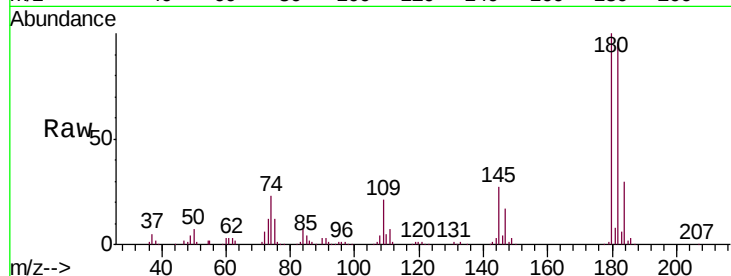




#67
 1,3,5-Trichlorobenzene
 Concen: 10.596 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
184	30.5	24.5	36.7
145	27.1	21.4	32.2



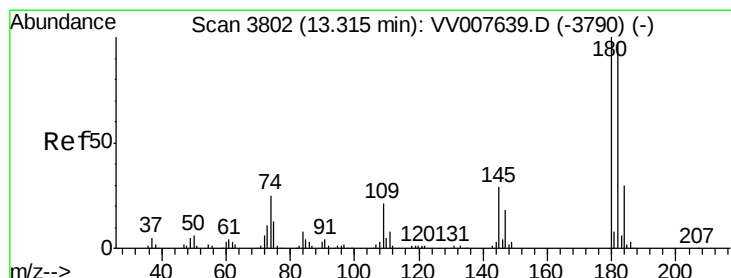
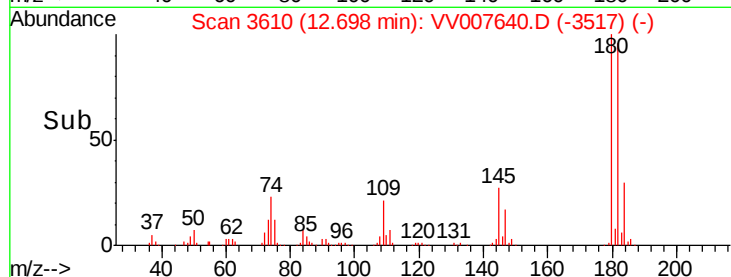
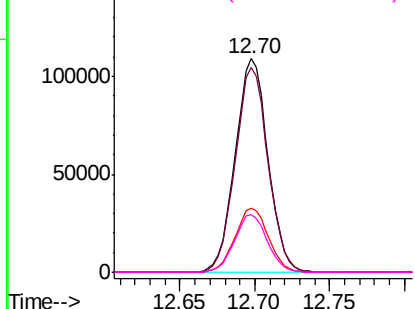
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

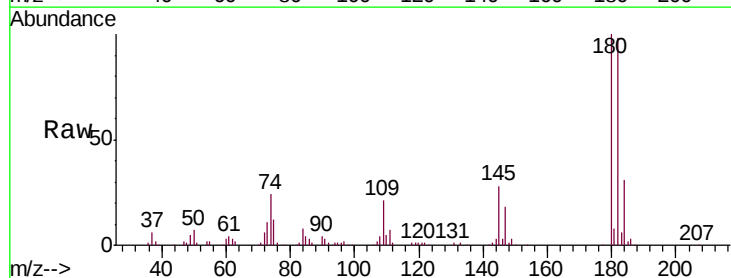
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 12.185 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007640.D
 Acq: 19 Sep 2018 21:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.8	116.6
145	27.8	23.0	34.4

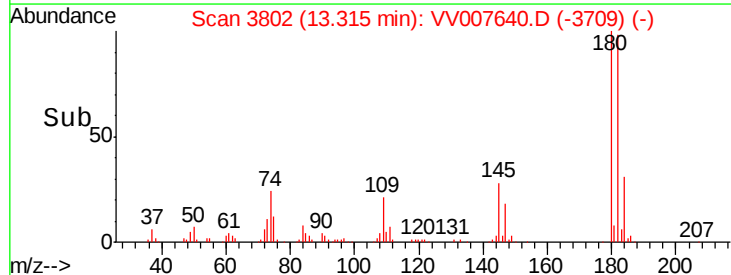
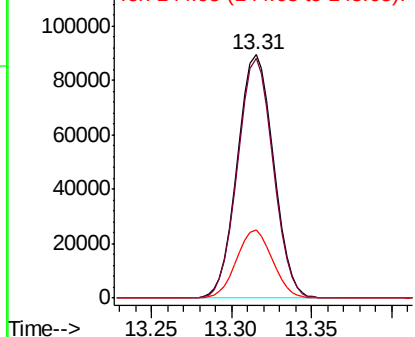


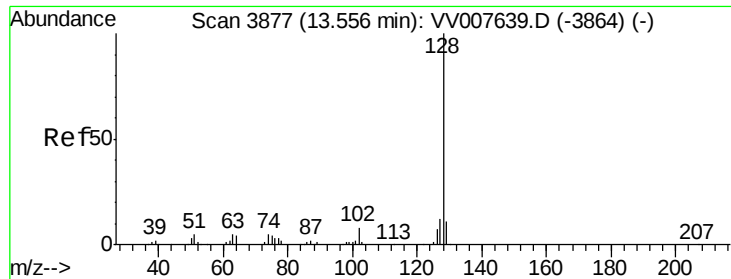
Abundance

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: 14.575 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

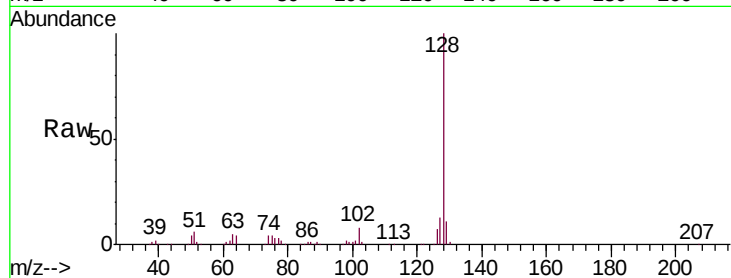
Tgt Ion:128 Resp: 204676

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

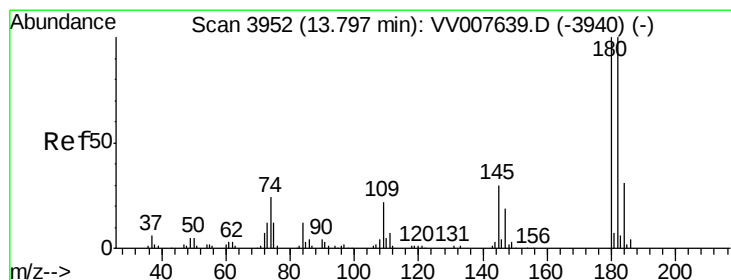
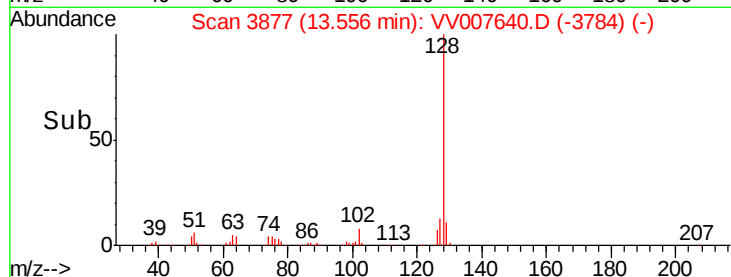
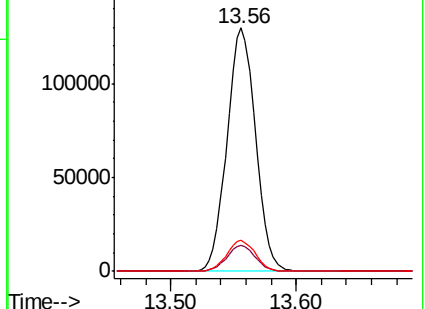
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 12.124 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007640.D

Acq: 19 Sep 2018 21:55

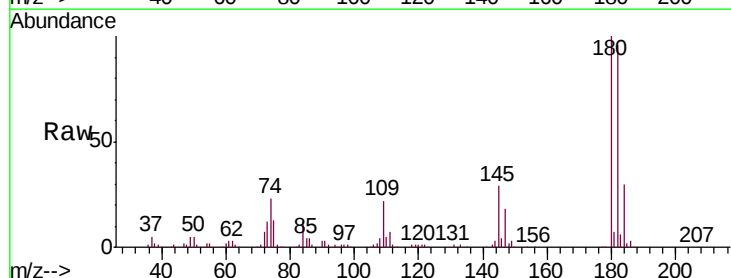
Tgt Ion:180 Resp: 125147

Ion Ratio Lower Upper

180 100

182 96.2 79.7 119.5

145 29.3 23.9 35.9



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

