

Data File : VV007639.D
Acq On : 19 Sep 2018 21:28
Operator : SY/MD
Sample : VSTD00569
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Quant Time: Sep 20 05:17:54 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	111759	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	103290	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22871	4.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	22050	4.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	62510	4.88	ug/L	0.00
20) 2-Butanone-d5	3.98	46	60754	74.36	ug/L	0.00
24) Chloroform-d	4.41	84	56765	5.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	27644	5.02	ug/L	0.00
32) Benzene-d6	5.10	84	105489	4.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	30871	4.95	ug/L	0.00
41) Toluene-d8	7.36	98	106987	4.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	12501	4.59	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	49244	83.32	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25216	5.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	47337	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	45410	4.914 ug/L	100
3) Chloromethane	1.25	50	33753	4.966 ug/L	100
5) Vinyl chloride	1.32	62	40674	5.207 ug/L	100
6) Bromomethane	1.53	94	27723	4.847 ug/L	100
8) Chloroethane	1.60	64	24905	5.211 ug/L	100
9) Trichlorofluoromethane	1.77	101	84764	5.364 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46499	5.330 ug/L	100
12) 1,1-Dichloroethene	2.14	96	40733	5.144 ug/L	100
13) Acetone	2.23	43	52201	73.012 ug/L	100
14) Carbon disulfide	2.32	76	108749	4.777 ug/L	100
15) Methyl Acetate	2.47	43	14007	7.076 ug/L	100
16) Methylene chloride	2.54	84	39553	4.739 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	94747	5.413 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	44802	5.239 ug/L	100
19) 1,1-Dichloroethane	3.23	63	63309	5.630 ug/L	100
21) 2-Butanone	4.07	43	67306	64.233 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	38592	5.041 ug/L	100
23) Bromochloromethane	4.30	128	17707	5.087 ug/L	100
25) Chloroform	4.43	83	64977	5.005 ug/L	100
27) 1,2-Dichloroethane	5.19	62	39554	5.271 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	61598	5.090 ug/L	100
30) Cyclohexane	4.72	56	51749	4.934 ug/L	100
31) Carbon tetrachloride	4.87	117	56735	5.033 ug/L	100
33) Benzene	5.15	78	134277	5.053 ug/L	100
34) Trichloroethene	5.96	95	39626	4.553 ug/L	100
35) Methylcyclohexane	6.18	83	61681	4.865 ug/L	100
37) 1,2-Dichloropropane	6.23	63	32386	5.298 ug/L	100
38) Bromodichloromethane	6.56	83	43225	4.966 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	48182	4.867 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	176500	49.656 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	156328	5.061	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	39080	4.922	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	24900	5.035	ug/L	100
47) Tetrachloroethene	8.02	164	38951	4.890	ug/L	100
48) 2-Hexanone	8.19	43	124995	46.369	ug/L	100
49) Dibromochloromethane	8.30	129	31835	4.922	ug/L	100
50) 1,2-Dibromoethane	8.40	107	24449	4.994	ug/L	100
51) Chlorobenzene	8.93	112	107543	5.017	ug/L	100
52) Ethylbenzene	9.06	91	173940	4.964	ug/L	100
53) m,p-xylene	9.18	106	68909	4.879	ug/L	100
54) o-xylene	9.59	106	67423	5.064	ug/L	100
55) Styrene	9.61	104	111419	5.040	ug/L	100
56) Isopropylbenzene	9.98	105	181386	4.942	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	28549	6.084	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	20002	4.958	ug/L	100
61) Bromoform	9.78	173	18322	4.816	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	92092	4.828	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	92278	4.885	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	86639	4.922	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	4142	5.473	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	80295	5.255	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	65609	5.961	ug/L	100
69) Naphthalene	13.56	128	98363	7.173	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	59460	5.899	ug/L	100

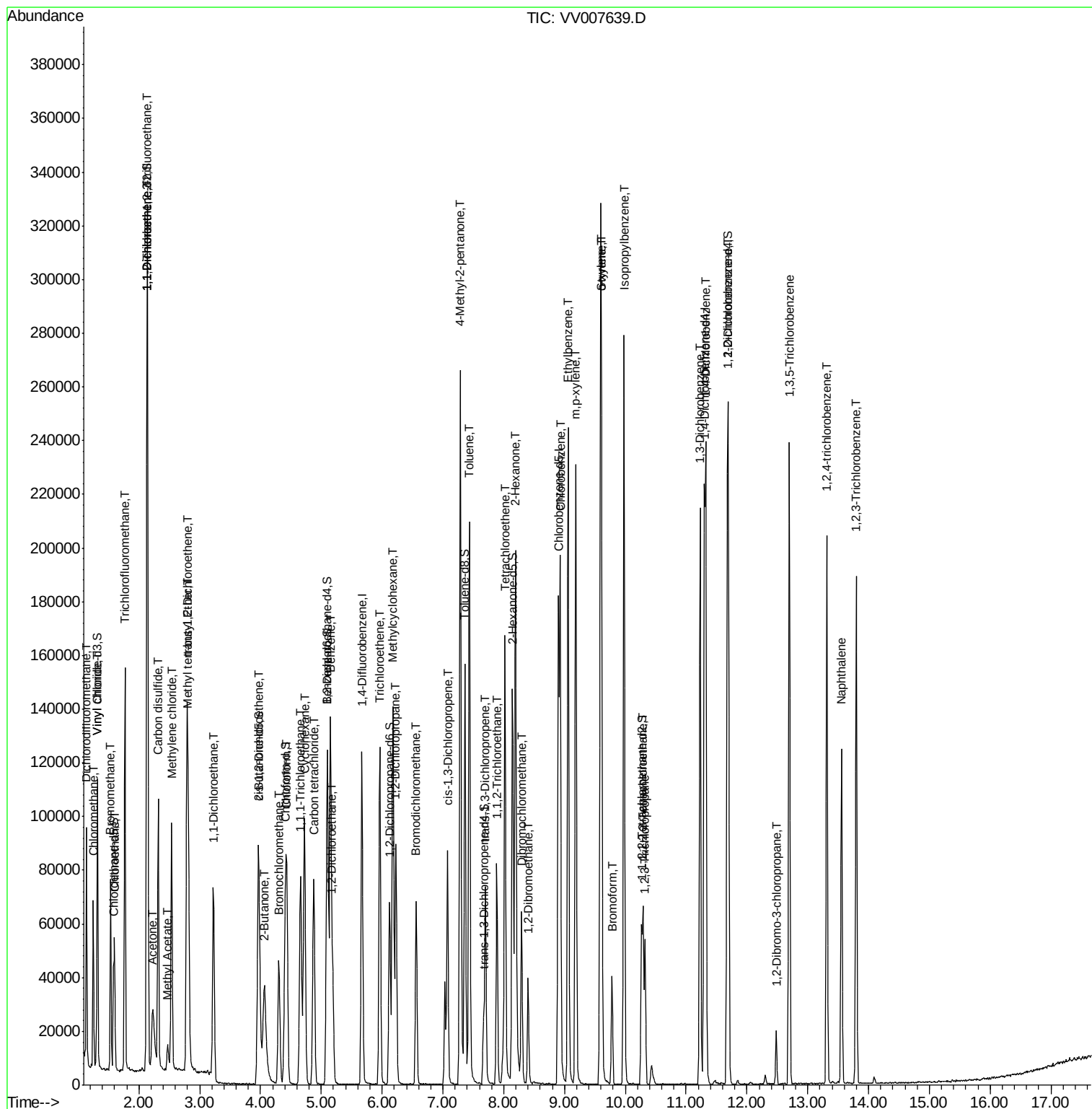
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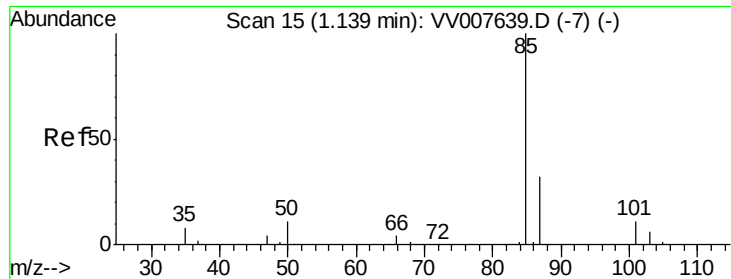
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#2

Dichlorodifluoromethane

Concen: 4.914 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

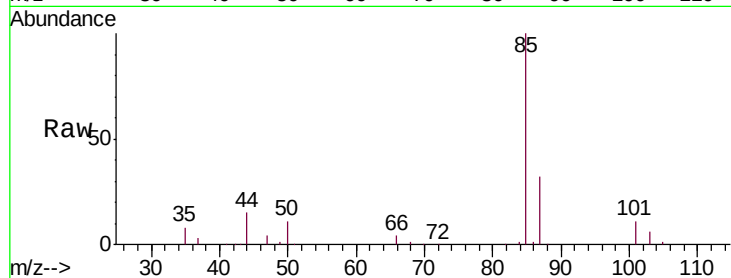
VSTD00569

Tgt Ion: 85 Resp: 45410

Ion Ratio Lower Upper

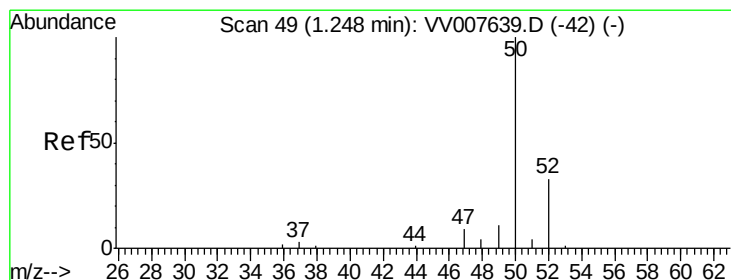
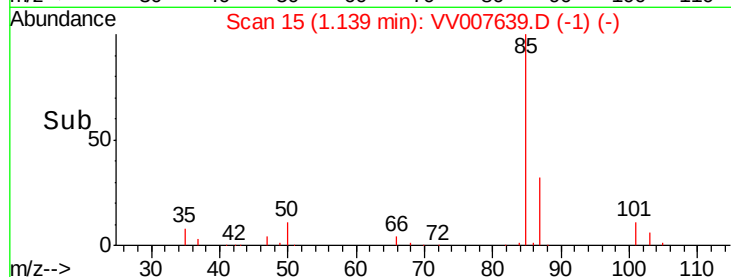
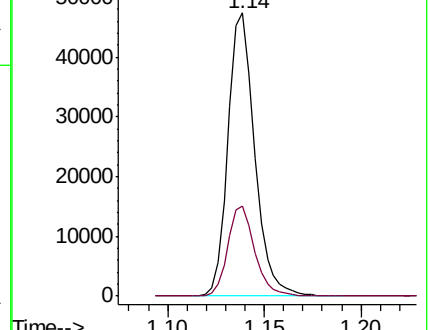
85 100

87 32.0 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) (-)



#3

Chloromethane

Concen: 4.966 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV007639.D

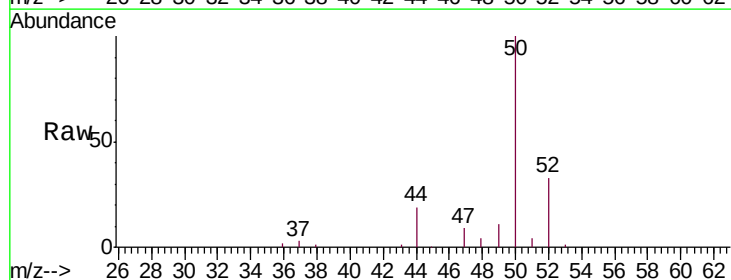
Acq: 19 Sep 2018 21:28

Tgt Ion: 50 Resp: 33753

Ion Ratio Lower Upper

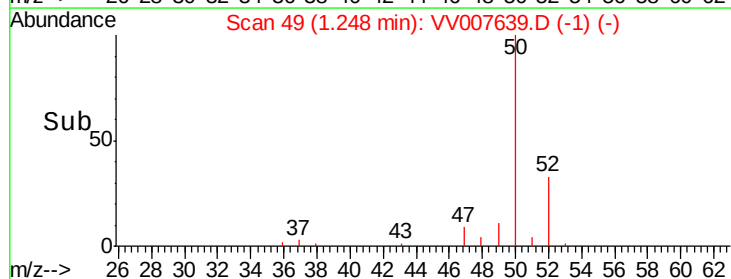
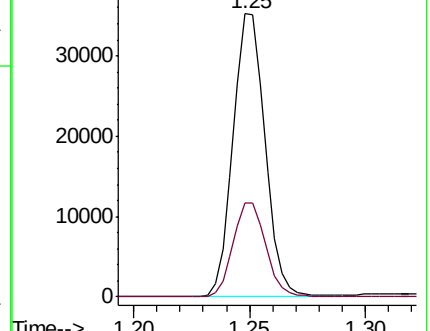
50 100

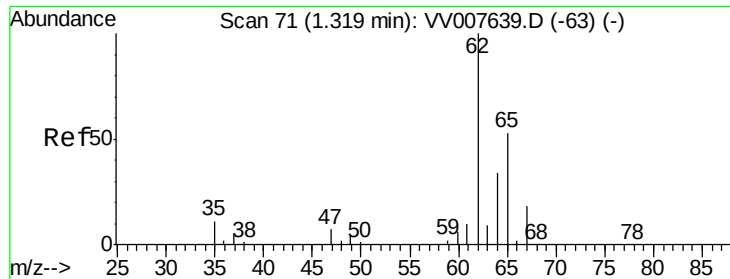
52 33.2 23.2 43.2



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

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





#5

Vinyl chloride

Concen: 5.207 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

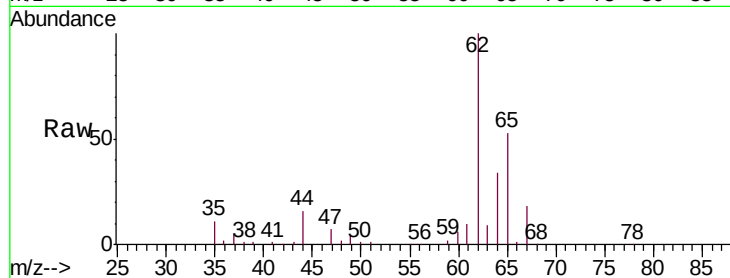
VSTD00569

Tgt Ion: 62 Resp: 40674

Ion Ratio Lower Upper

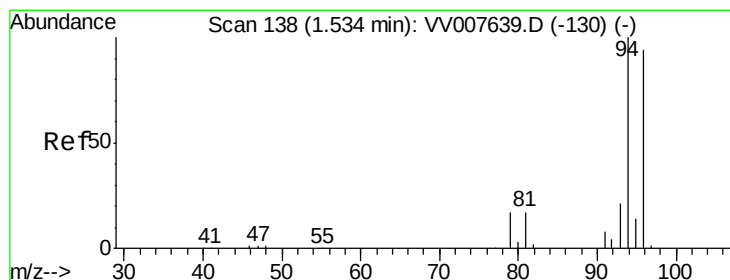
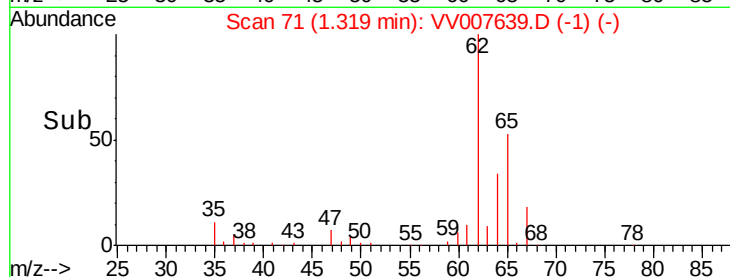
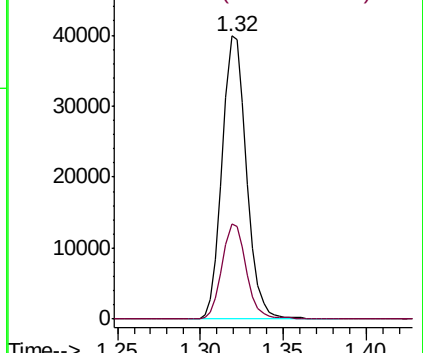
62 100

64 33.6 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: 4.847 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV007639.D

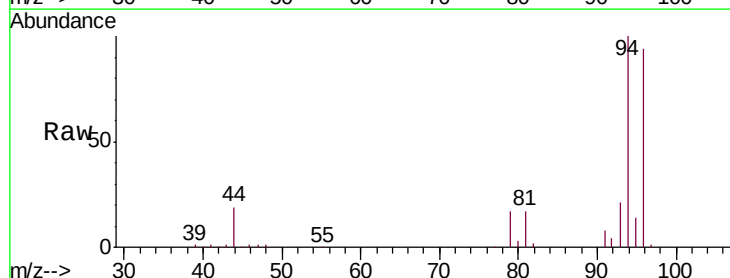
Acq: 19 Sep 2018 21:28

Tgt Ion: 94 Resp: 27723

Ion Ratio Lower Upper

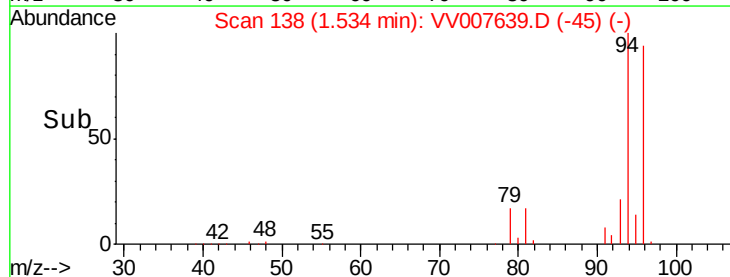
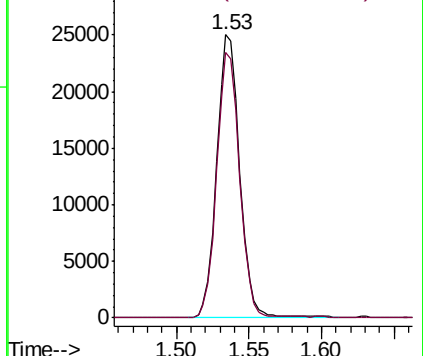
94 100

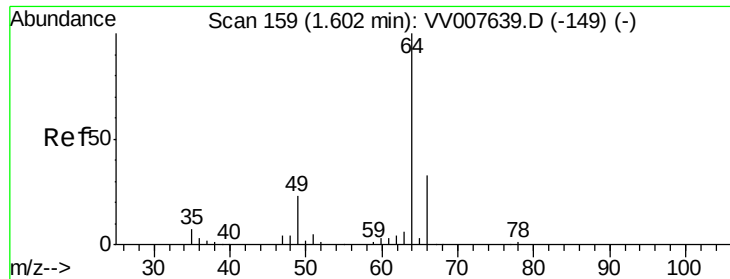
96 93.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.211 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

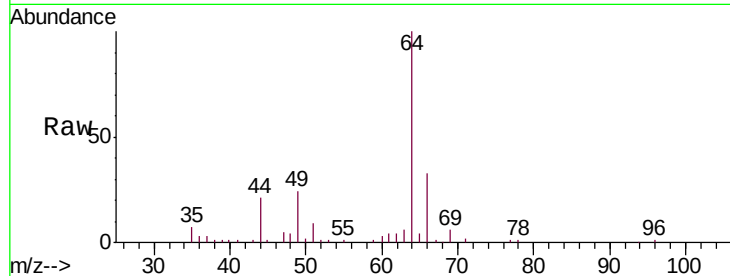
VSTD00569

Tgt Ion: 64 Resp: 24905

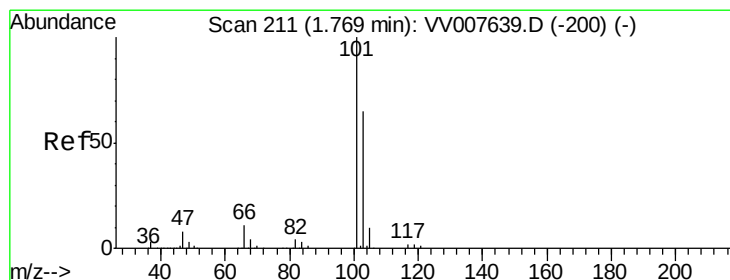
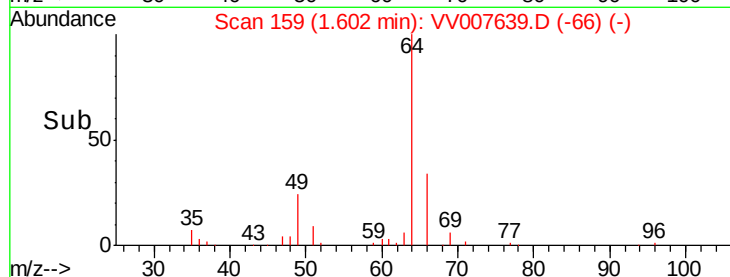
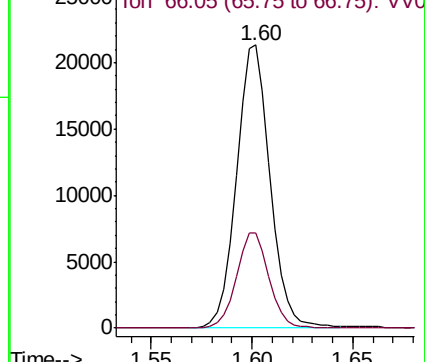
Ion Ratio Lower Upper

64 100

66 33.4 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VV007639.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 5.364 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV007639.D

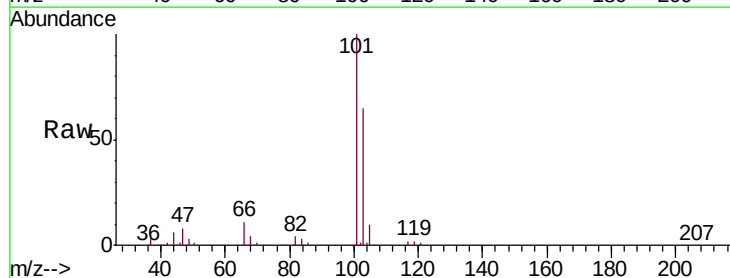
Acq: 19 Sep 2018 21:28

Tgt Ion: 101 Resp: 84764

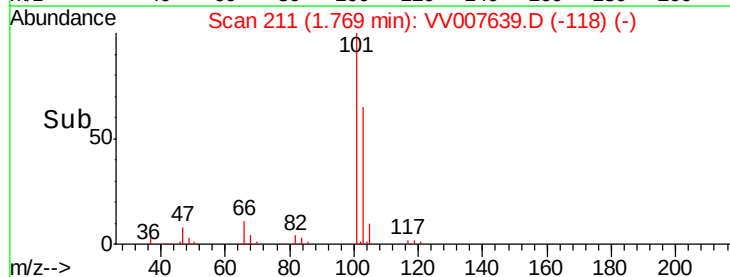
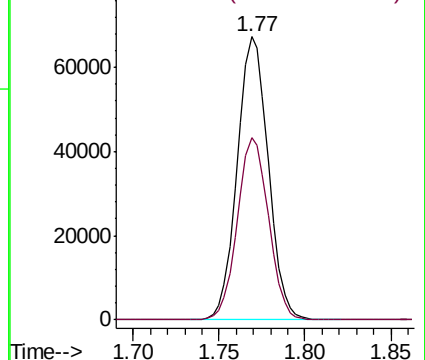
Ion Ratio Lower Upper

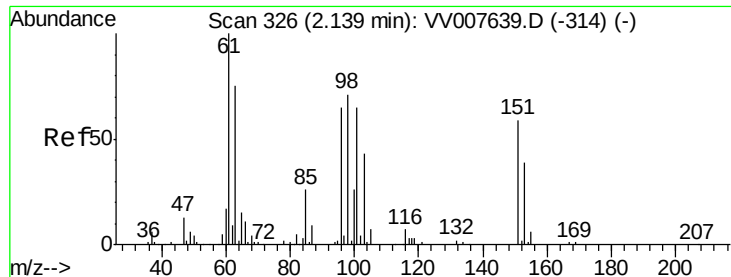
101 100

103 64.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007639.D (-200) (-)





#10

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

Concen: 5.330 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

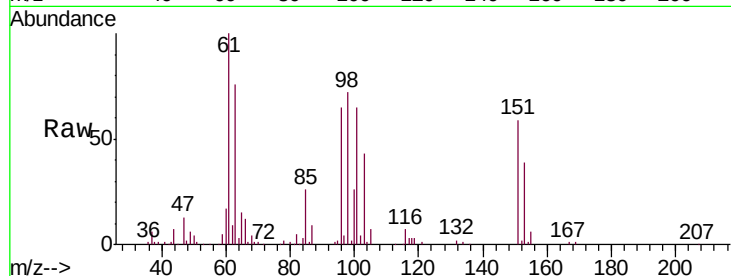
Tgt Ion: 101 Resp: 46499

Ion Ratio Lower Upper

101 100

85 40.7 32.6 48.8

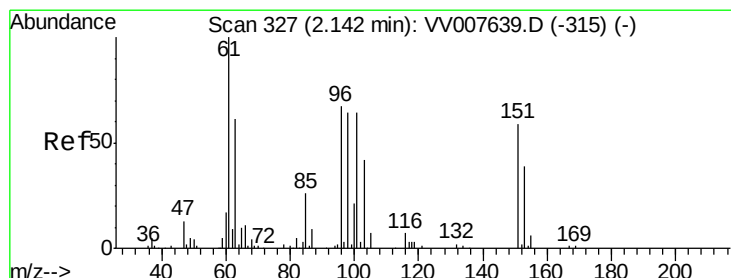
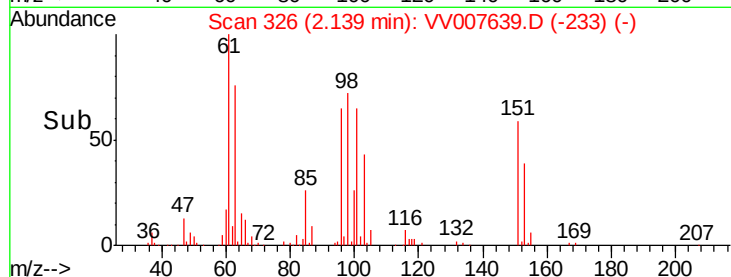
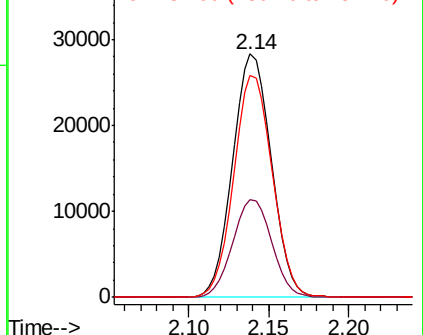
151 91.0 72.8 109.2



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: 5.144 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

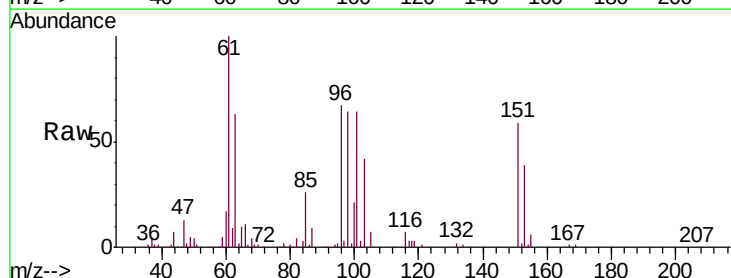
Tgt Ion: 96 Resp: 40733

Ion Ratio Lower Upper

96 100

61 149.0 104.3 193.7

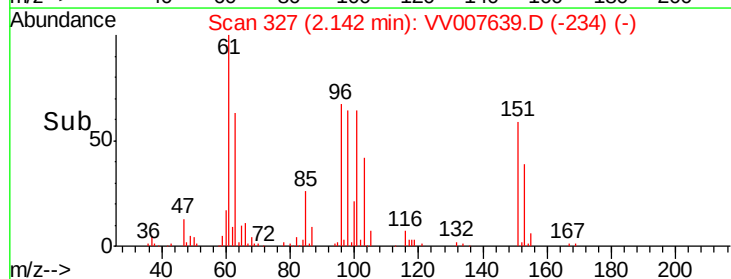
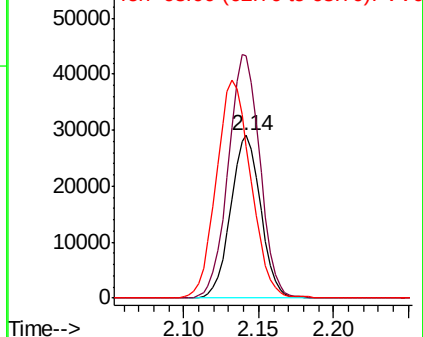
63 93.2 65.2 121.2

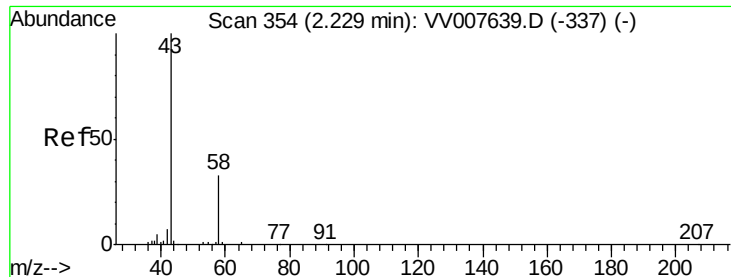


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 73.012 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

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ClientSampleId :

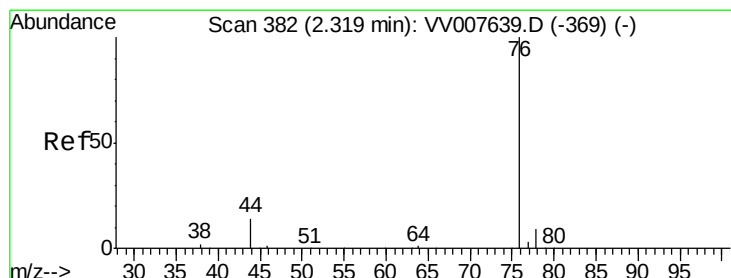
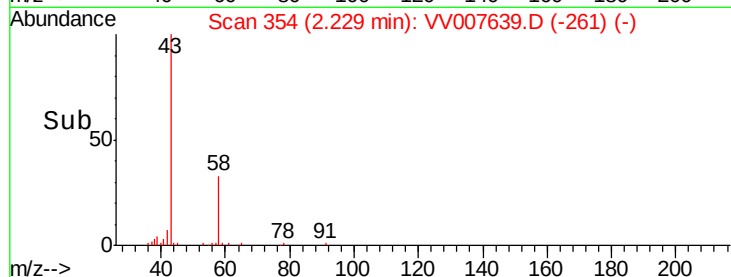
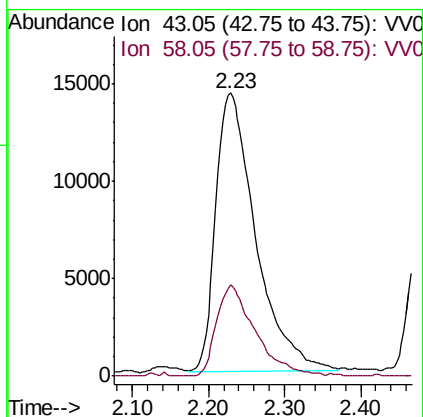
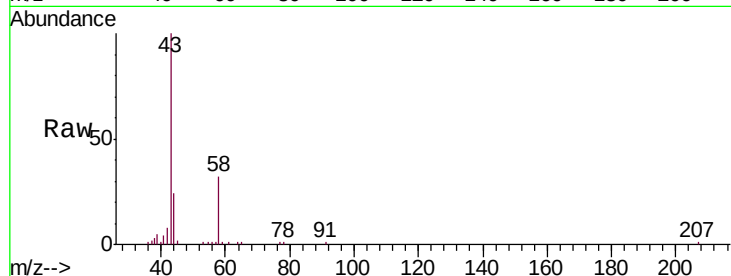
VSTD00569

Tgt Ion: 43 Resp: 52201

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



#14

Carbon disulfide

Concen: 4.777 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV007639.D

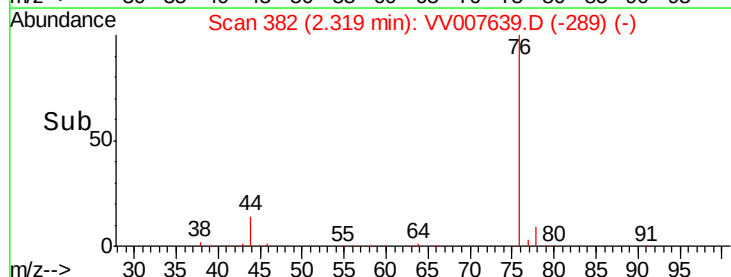
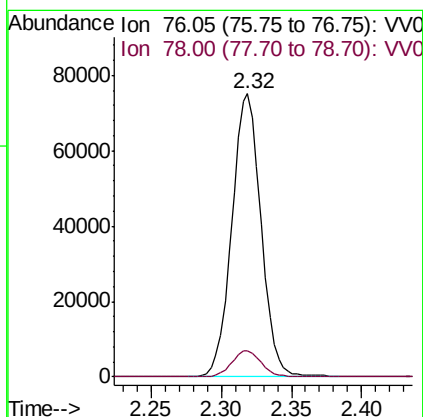
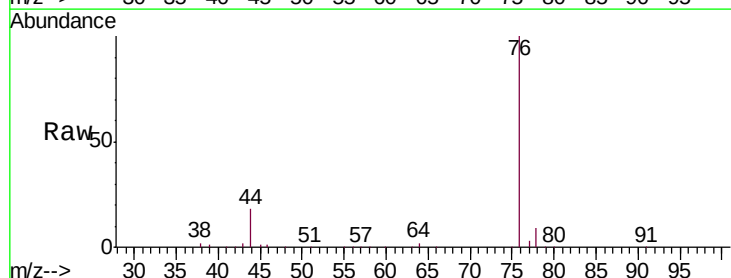
Acq: 19 Sep 2018 21:28

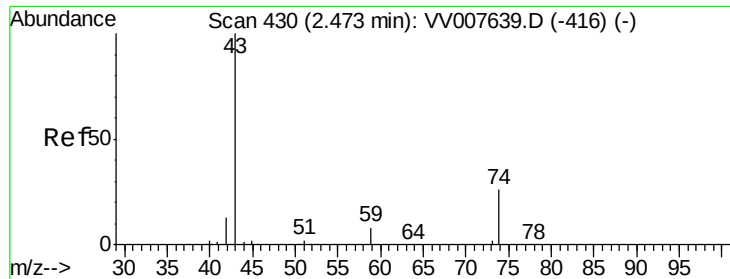
Tgt Ion: 76 Resp: 108749

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

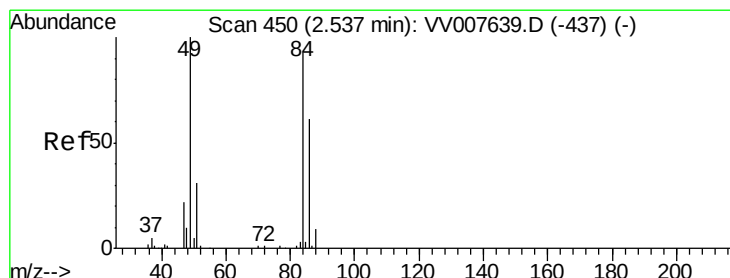
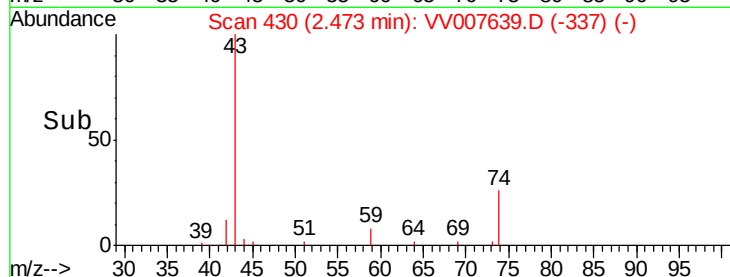
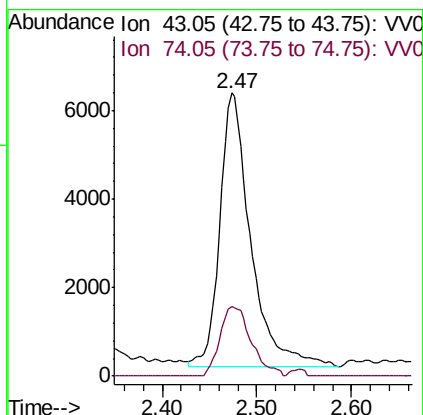
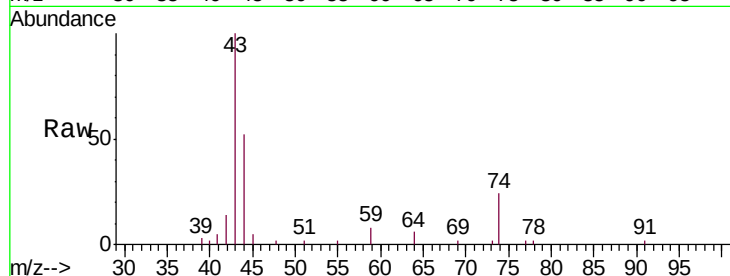




#15
Methyl Acetate
Concen: 7.076 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

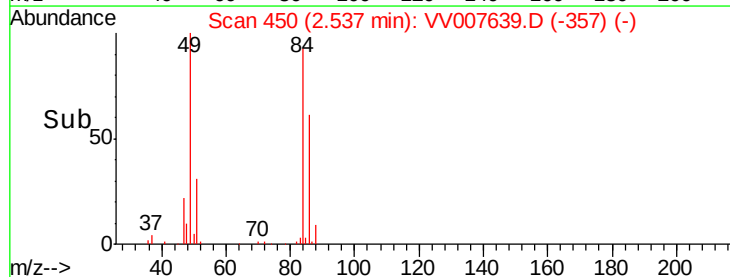
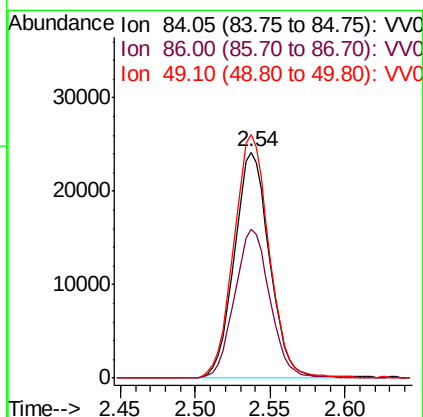
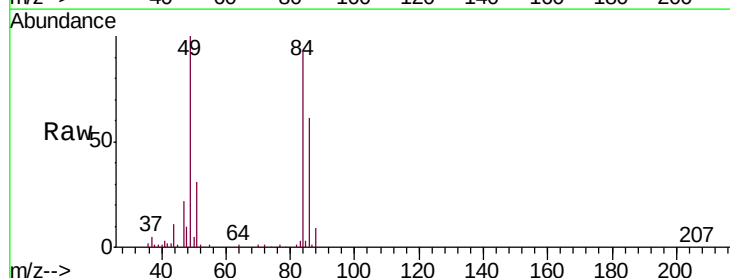
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

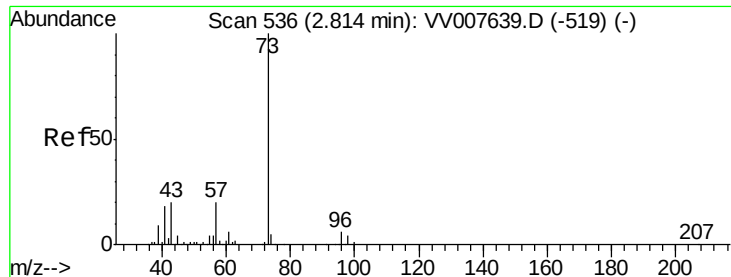
Tgt Ion: 43 Resp: 14007
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8



#16
Methylene chloride
Concen: 4.739 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

Tgt Ion: 84 Resp: 39553
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 107.8 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 5.413 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

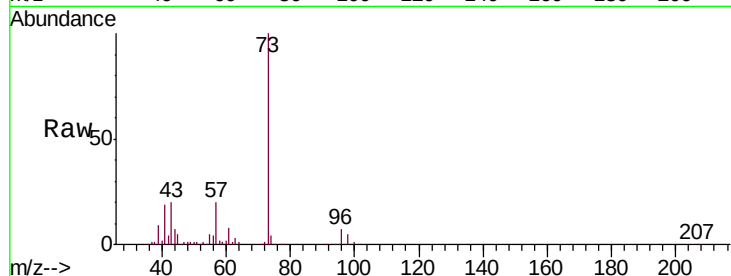
Tgt Ion: 73 Resp: 94747

Ion Ratio Lower Upper

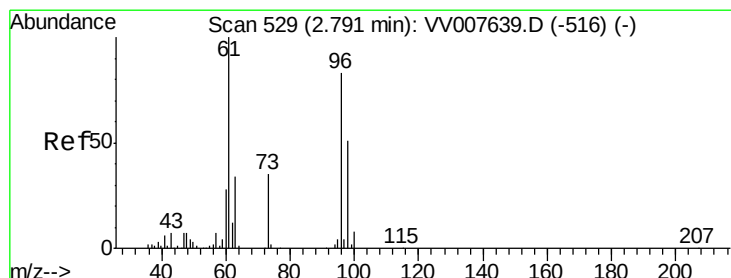
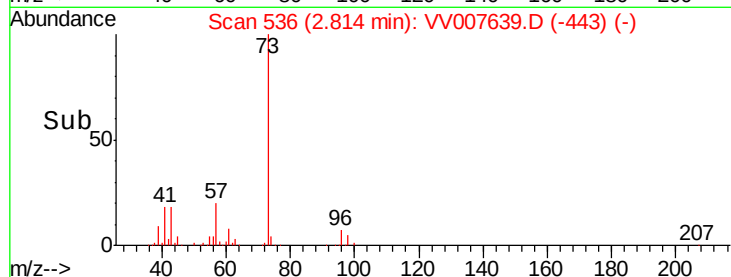
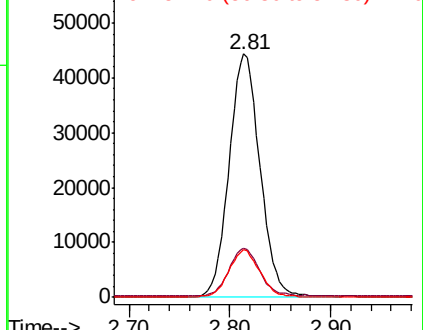
73 100

43 19.6 15.7 23.5

57 19.8 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: 5.239 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

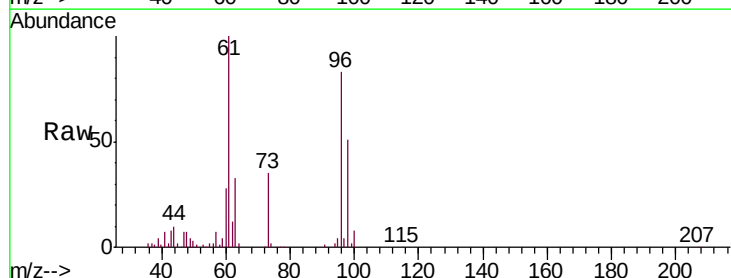
Tgt Ion: 96 Resp: 44802

Ion Ratio Lower Upper

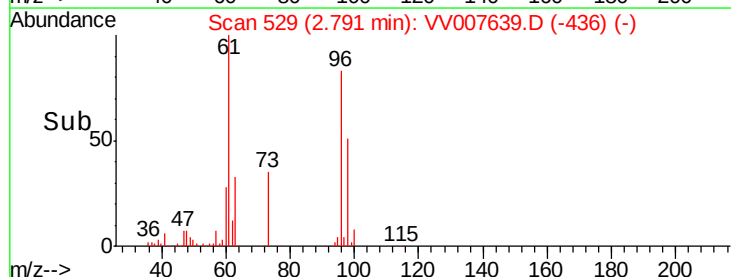
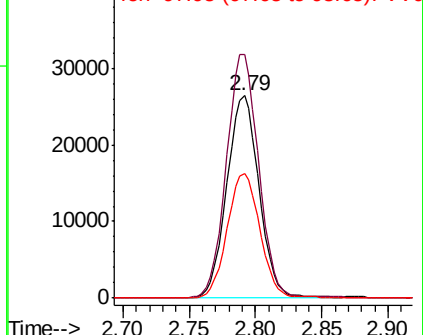
96 100

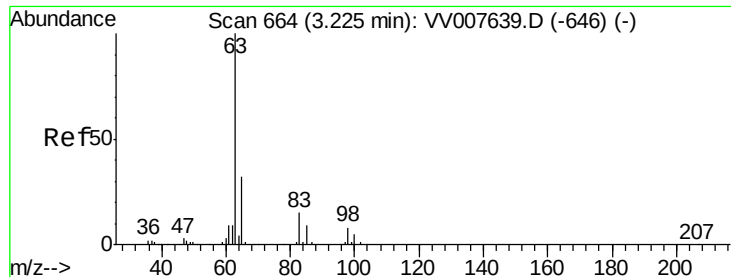
61 120.5 84.4 156.7

98 61.5 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

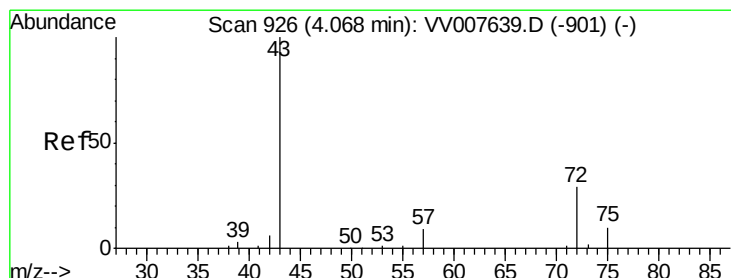
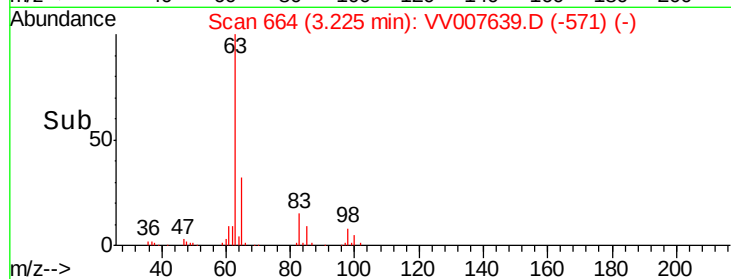
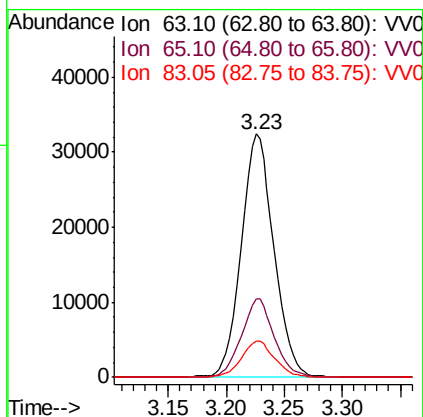
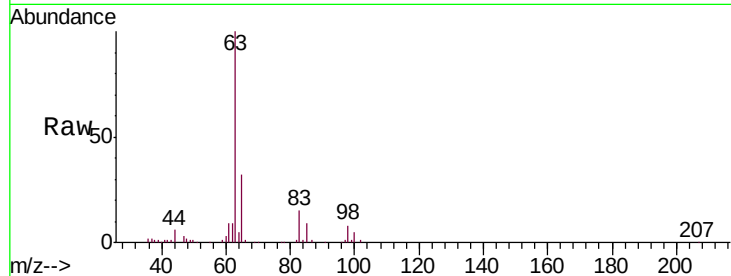




#19
 1,1-Dichloroethane
 Concen: 5.630 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

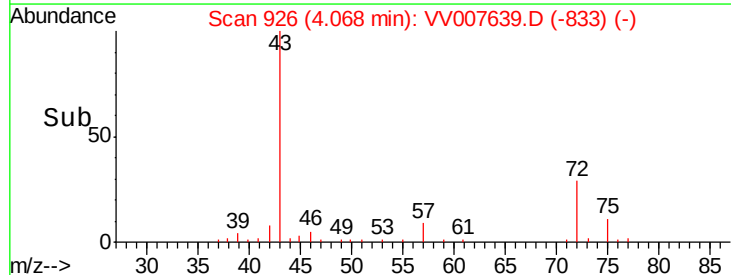
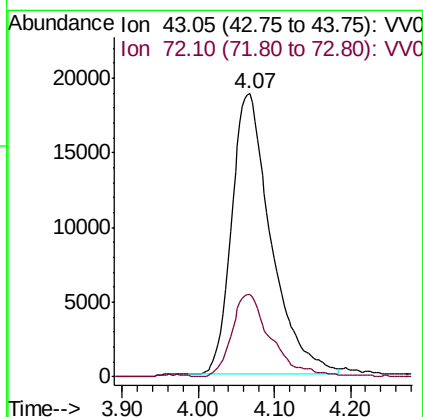
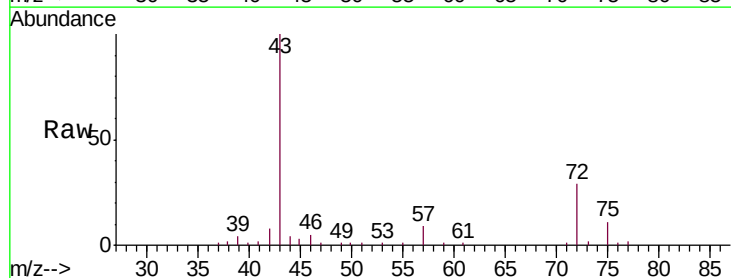
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

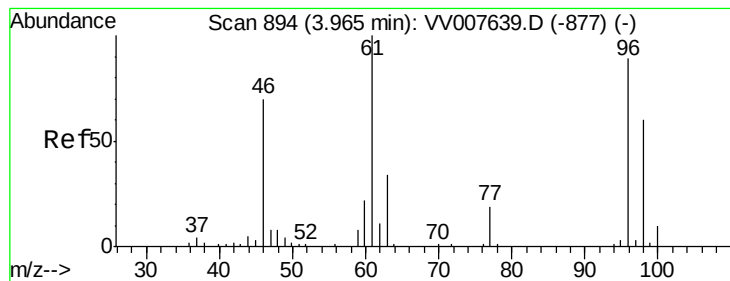
Tgt Ion: 63 Resp: 63309
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.6 42.0
 83 14.9 10.4 19.4



#21
 2-Butanone
 Concen: 64.233 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion: 43 Resp: 67306
 Ion Ratio Lower Upper
 43 100
 72 29.6 14.8 44.4



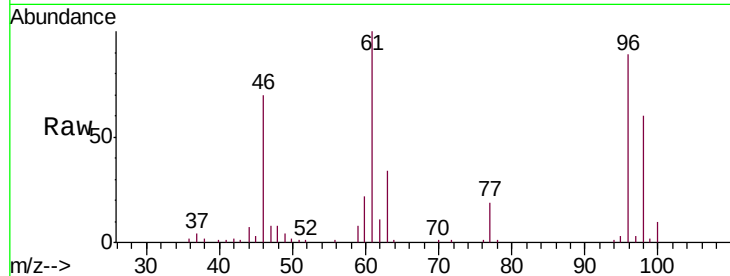


#22

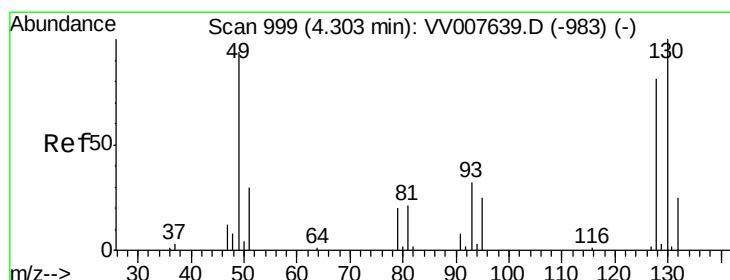
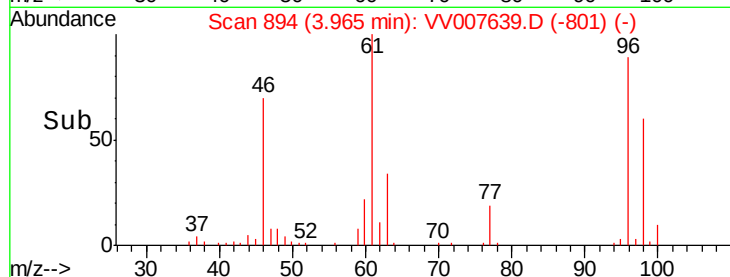
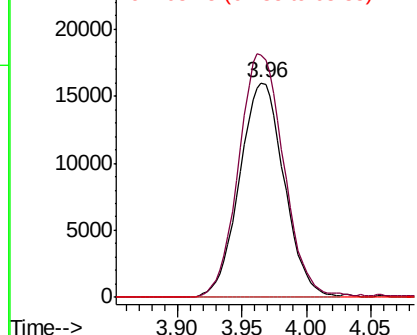
cis-1,2-Dichloroethene
 Concen: 5.041 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion: 96 Resp: 38592
 Ion Ratio Lower Upper
 96 100
 61 112.9 79.0 146.8
 68 0.0 0.0 0.0



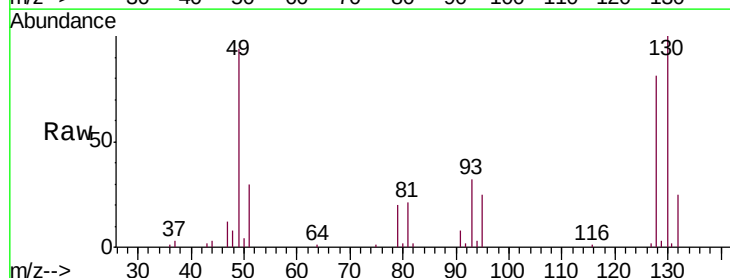
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



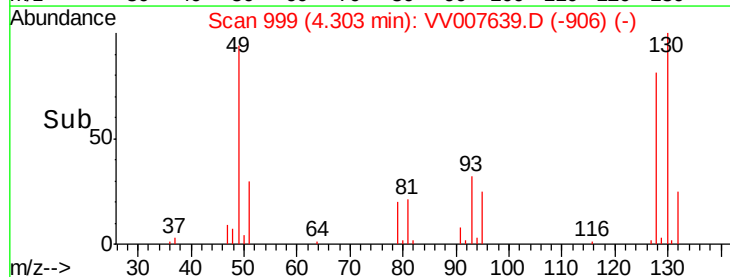
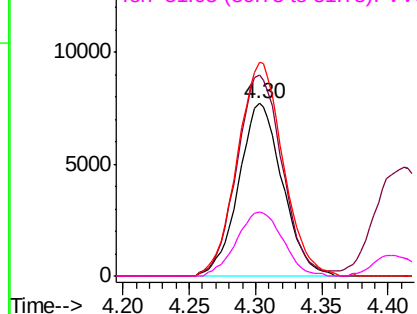
#23

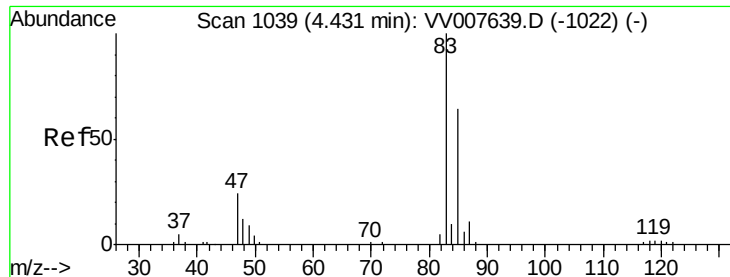
Bromochloromethane
 Concen: 5.087 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion: 128 Resp: 17707
 Ion Ratio Lower Upper
 128 100
 49 116.7 81.7 151.7
 130 124.0 86.8 161.2
 51 37.3 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

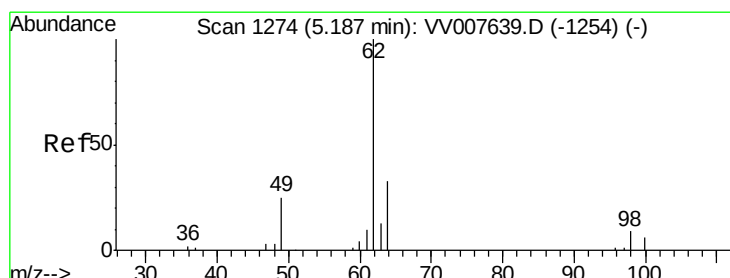
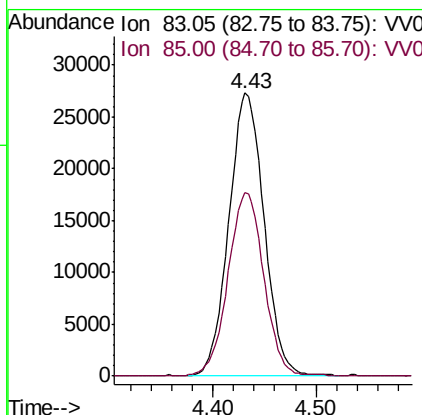
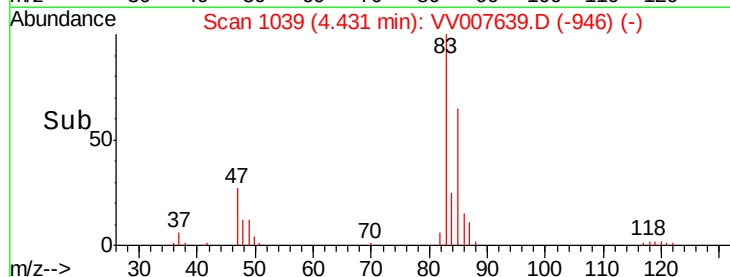
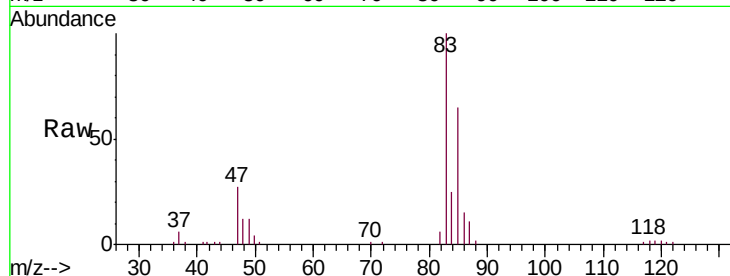




#25
Chloroform
Concen: 5.005 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

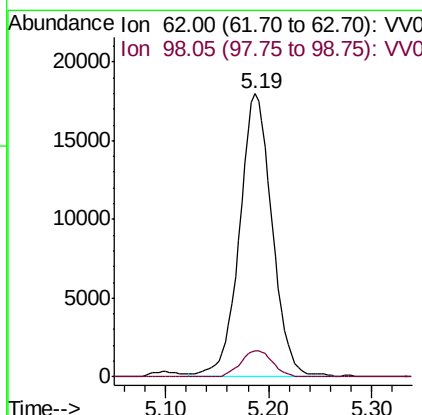
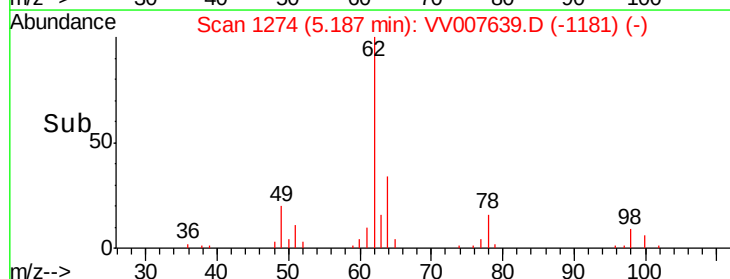
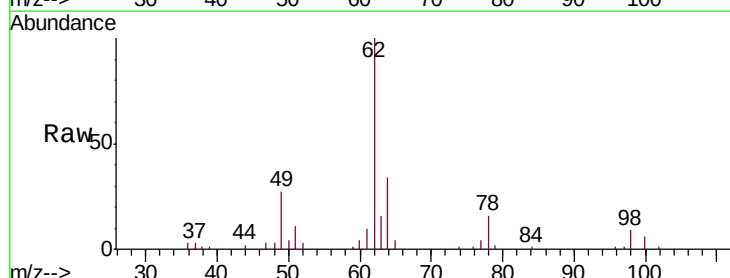
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

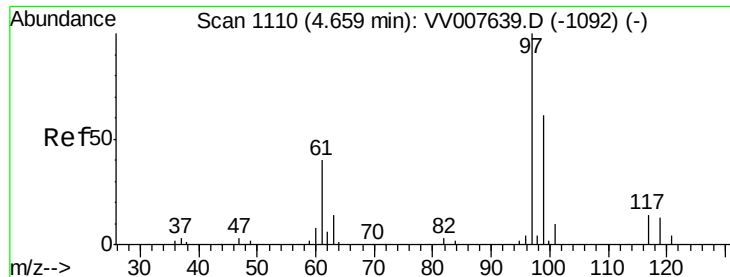
Tgt Ion: 83 Resp: 64977
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.271 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

Tgt Ion: 62 Resp: 39554
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

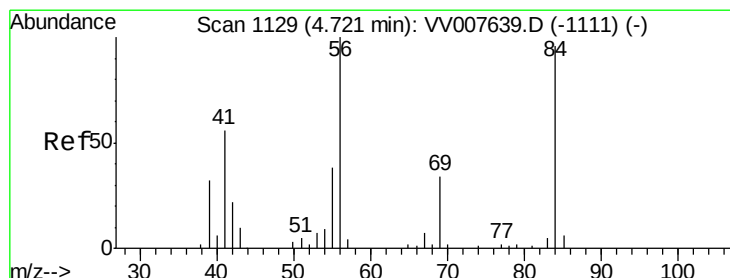
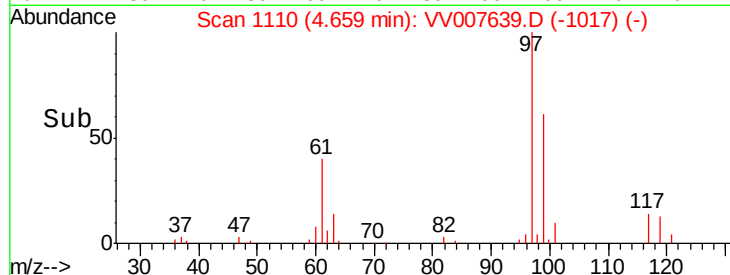
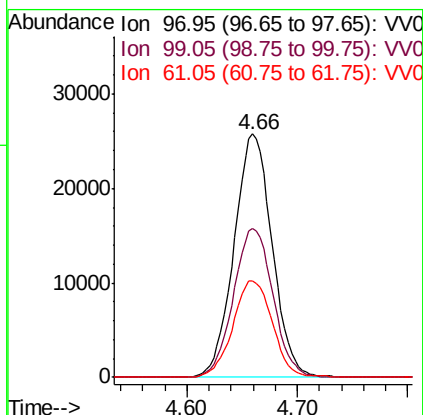
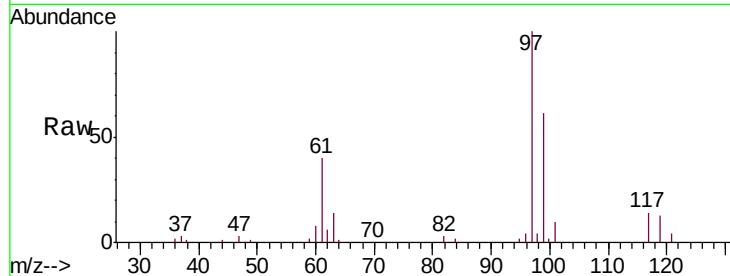




#29
 1,1,1-Trichloroethane
 Concen: 5.090 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

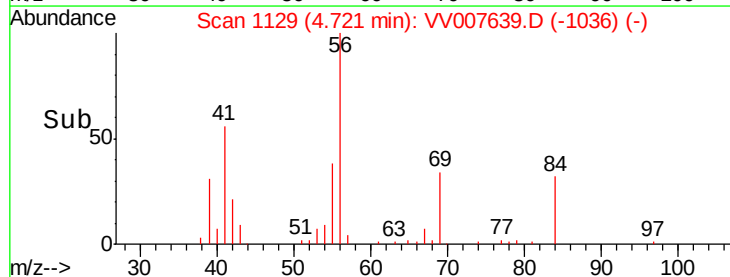
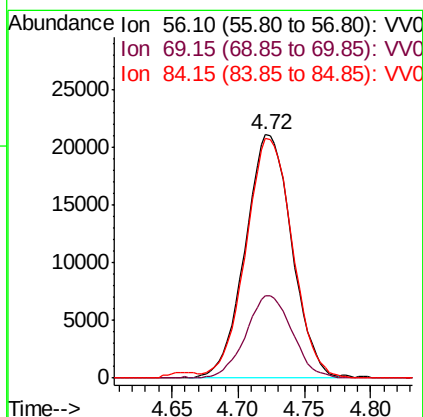
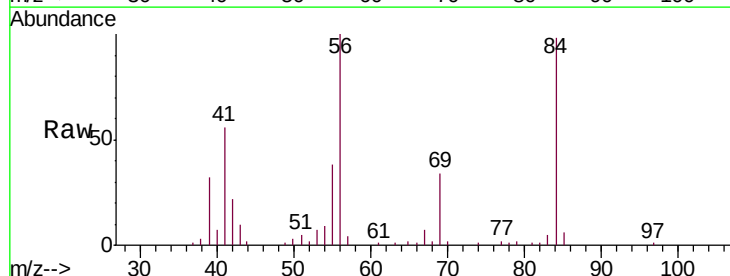
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

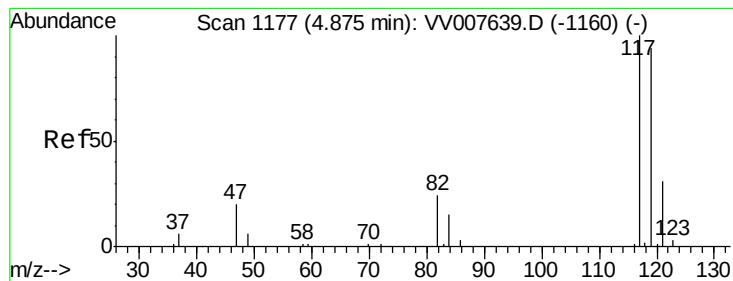
Tgt Ion: 97 Resp: 61598
 Ion Ratio Lower Upper
 97 100
 99 63.3 50.6 76.0
 61 41.0 32.8 49.2



#30
 Cyclohexane
 Concen: 4.934 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion: 56 Resp: 51749
 Ion Ratio Lower Upper
 56 100
 69 33.6 26.9 40.3
 84 98.6 78.9 118.3





#31

Carbon tetrachloride

Concen: 5.033 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampled :

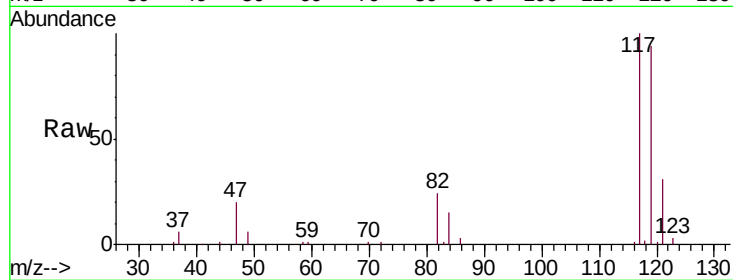
VSTD00569

Tgt Ion:117 Resp: 56735

Ion Ratio Lower Upper

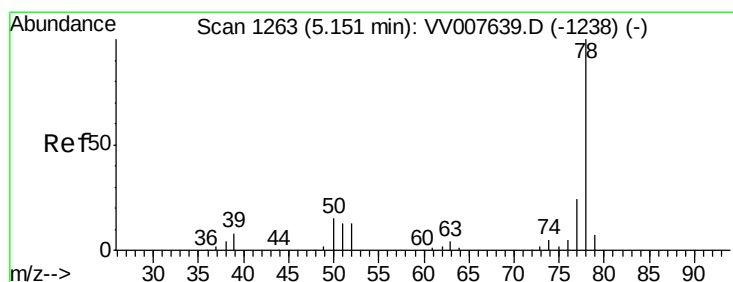
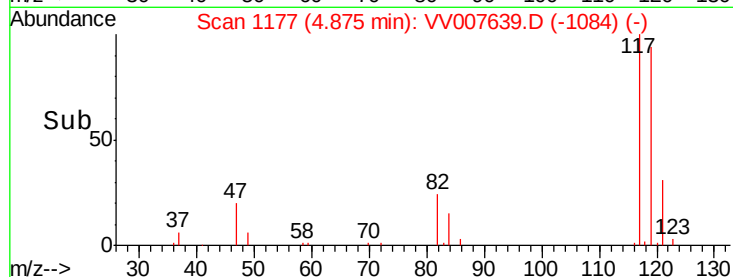
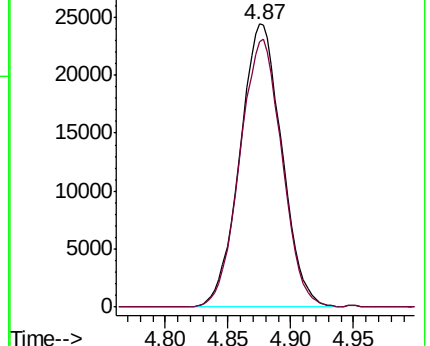
117 100

119 94.9 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: 5.053 ug/L

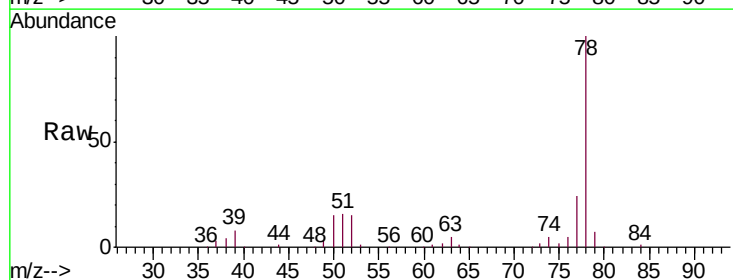
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

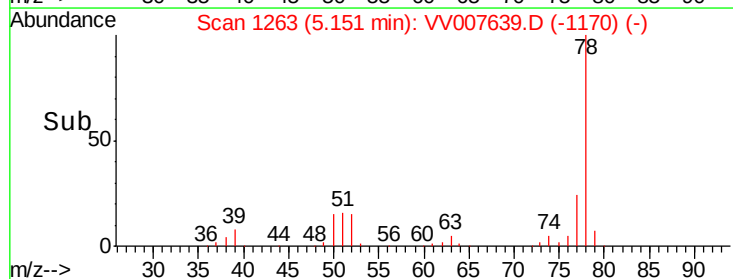
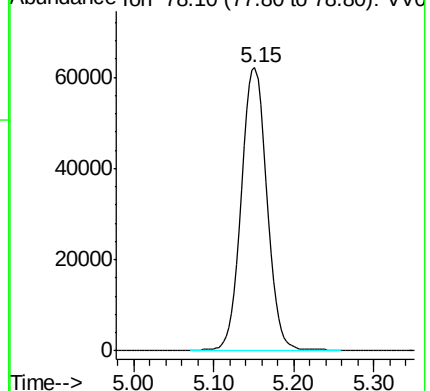
Lab File: VV007639.D

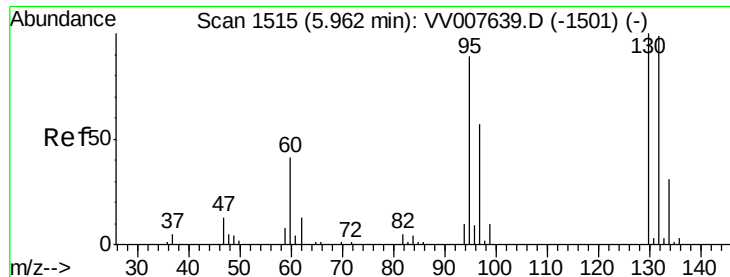
Acq: 19 Sep 2018 21:28

Tgt Ion: 78 Resp: 134277



Abundance Ion 78.10 (77.80 to 78.80): VV0

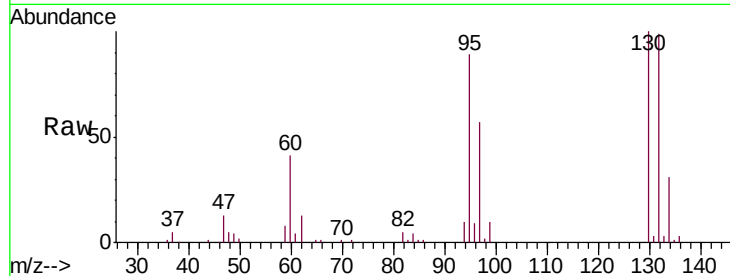




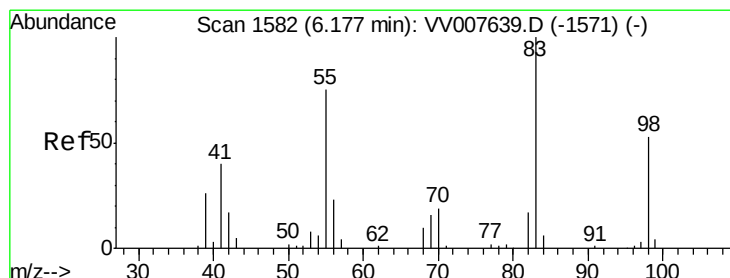
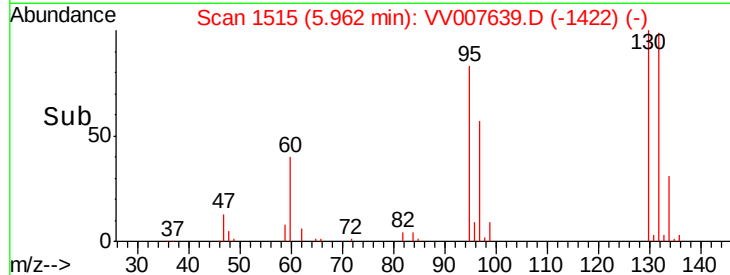
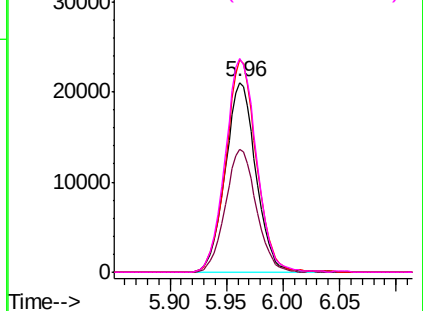
#34
 Trichloroethene
 Concen: 4.553 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion: 95 Resp: 39626
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.1 83.9
 132 111.7 78.2 145.2
 130 112.5 78.8 146.3

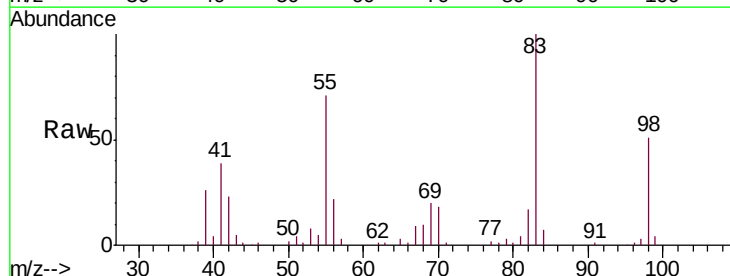


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

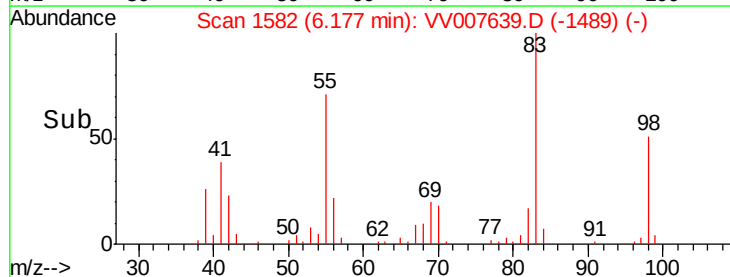
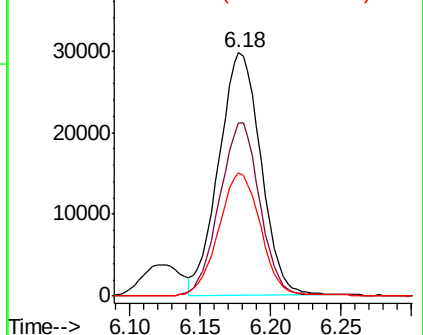


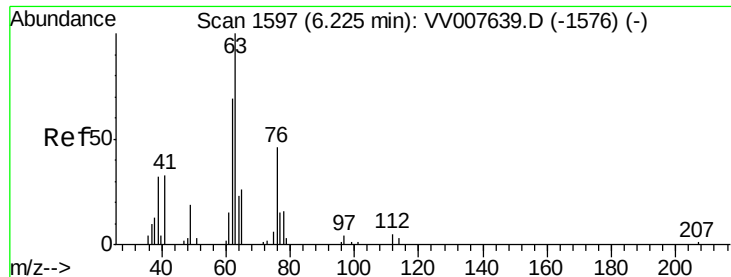
#35
 Methylcyclohexane
 Concen: 4.865 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion: 83 Resp: 61681
 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

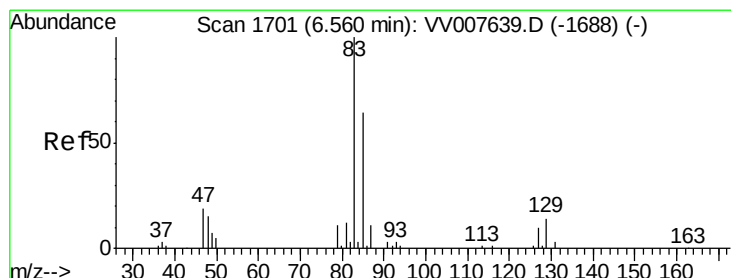
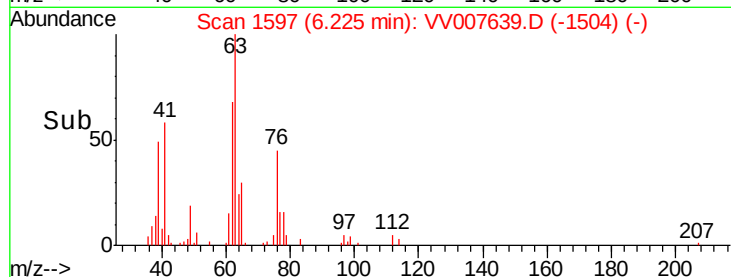
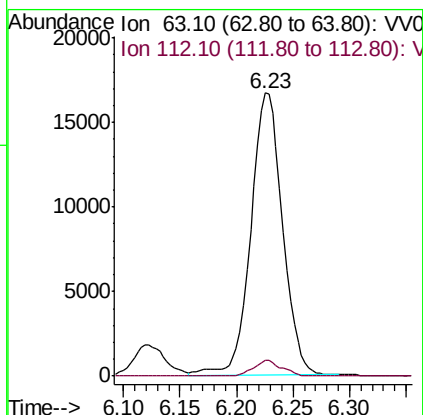
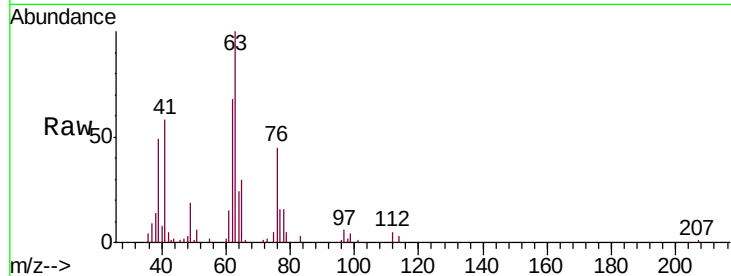




#37
 1,2-Dichloropropane
 Concen: 5.298 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

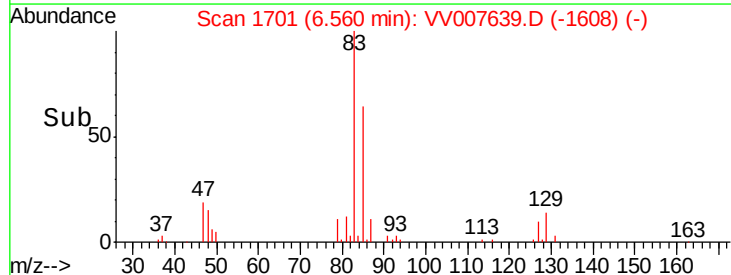
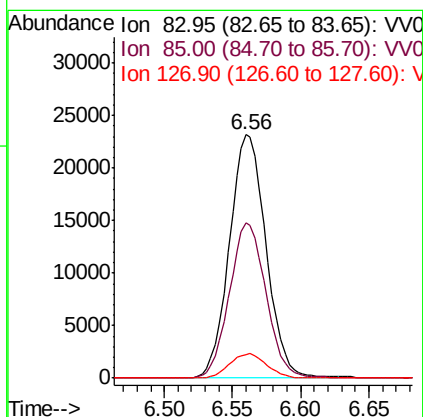
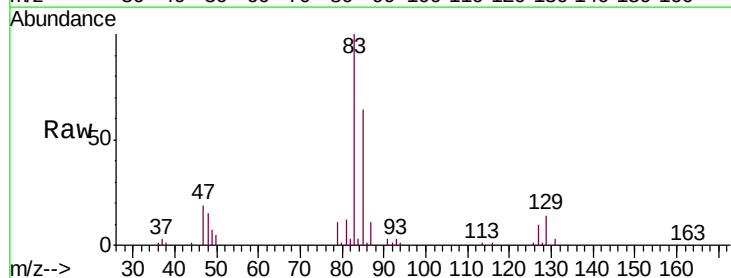
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

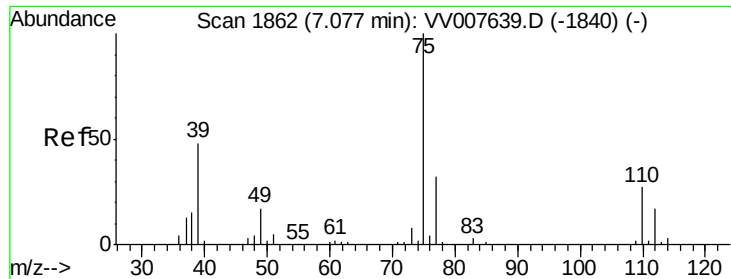
Tgt Ion: 63 Resp: 32386
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.966 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion: 83 Resp: 43225
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 9.9 7.9 11.9

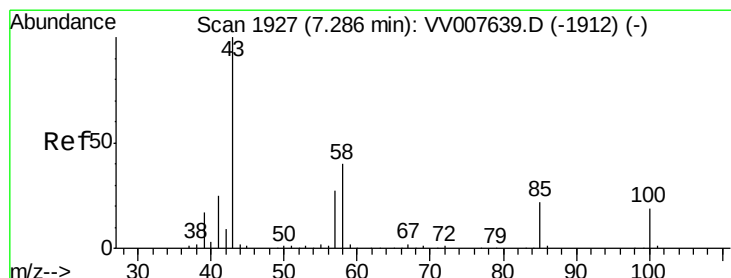
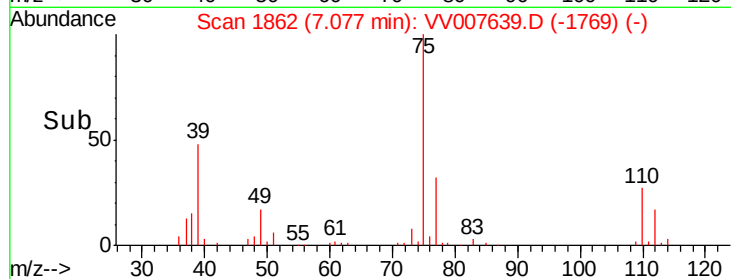
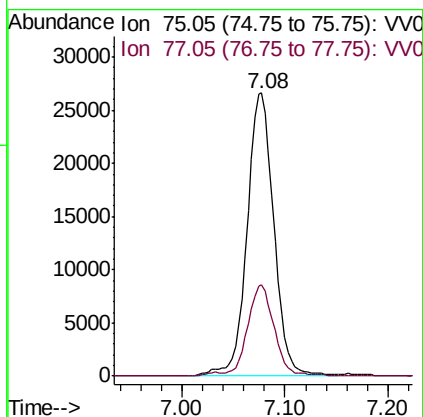
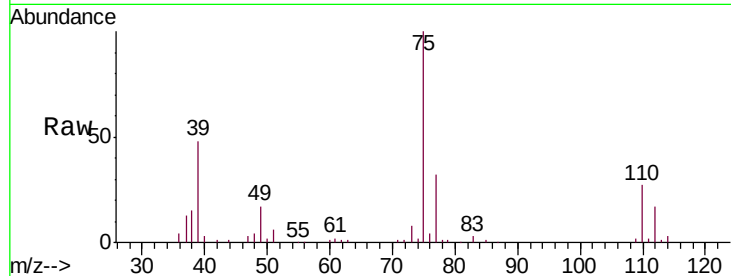




#39
 cis-1,3-Dichloropropene
 Concen: 4.867 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

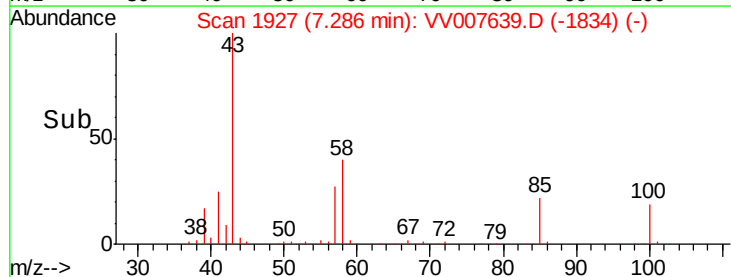
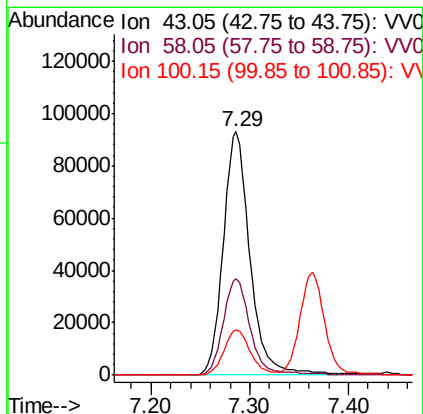
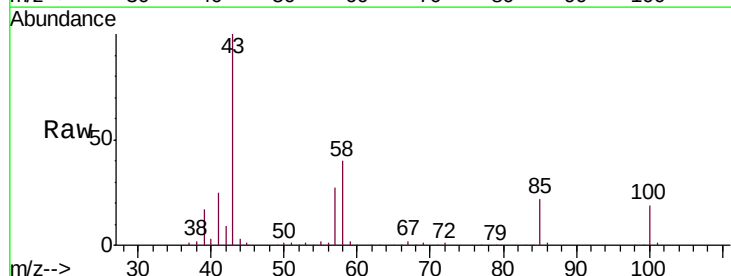
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

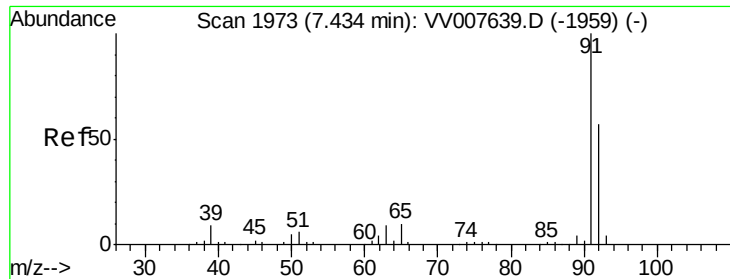
Tgt Ion: 75 Resp: 48182
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 49.656 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion: 43 Resp: 176500
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 18.2 14.6 21.8





#42

Toluene

Concen: 5.061 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

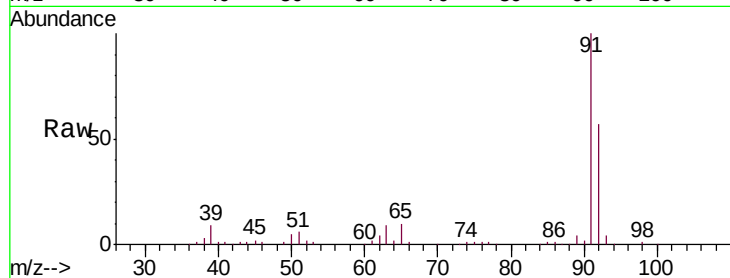
VSTD00569

Tgt Ion: 91 Resp: 156328

Ion Ratio Lower Upper

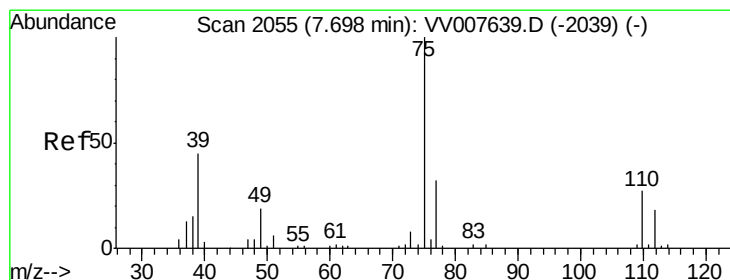
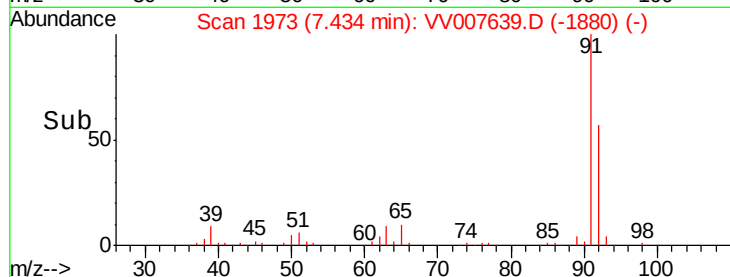
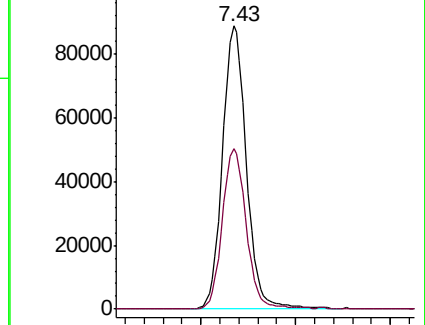
91 100

92 56.7 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.922 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007639.D

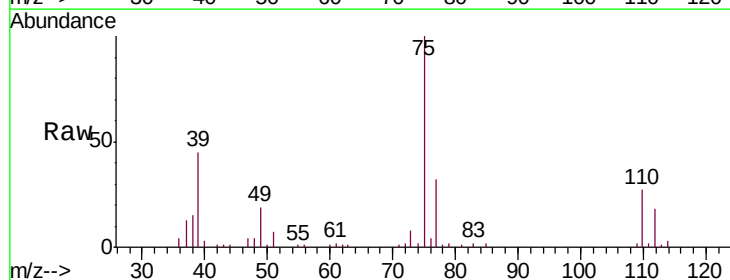
Acq: 19 Sep 2018 21:28

Tgt Ion: 75 Resp: 39080

Ion Ratio Lower Upper

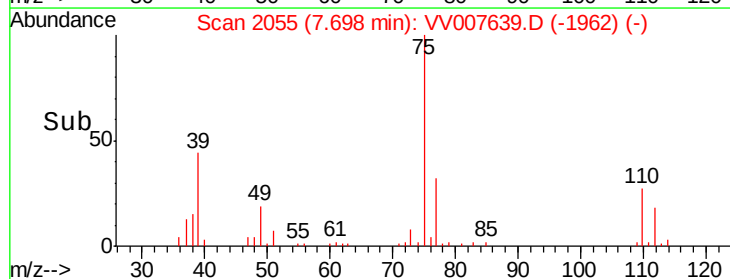
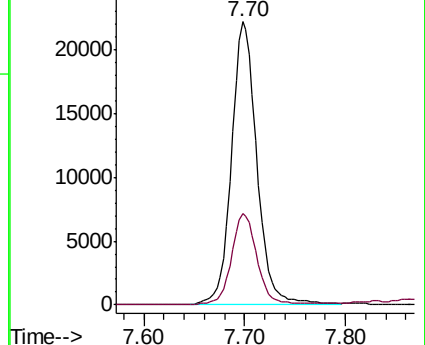
75 100

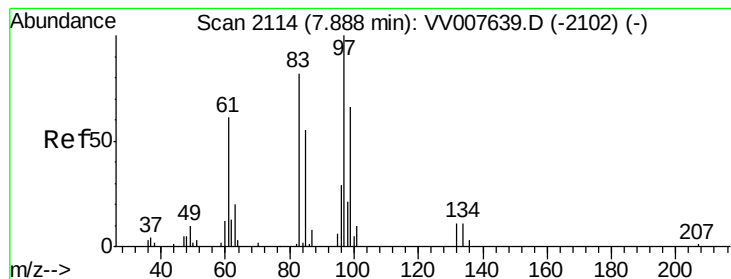
77 32.1 22.5 41.7



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

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





#45

1,1,2-Trichloroethane

Concen: 5.035 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

Tgt Ion: 97 Resp: 24900

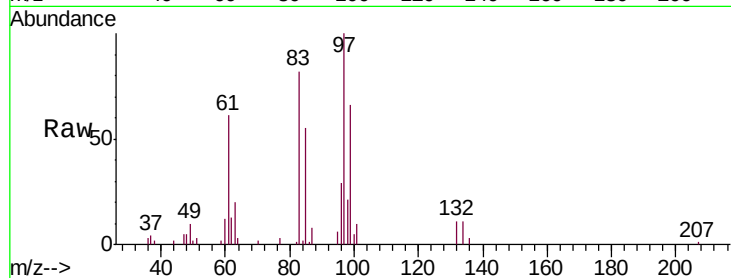
Ion Ratio Lower Upper

97 100

99 65.7 46.0 85.4

83 81.8 57.3 106.3

85 54.9 38.4 71.4

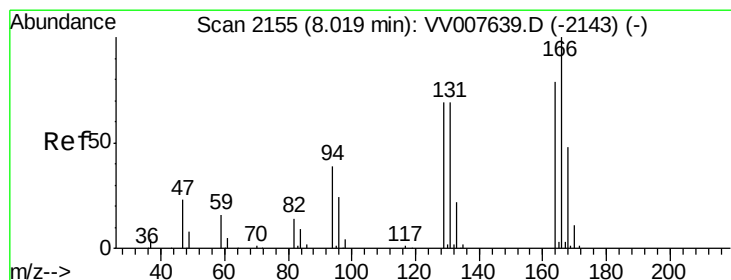
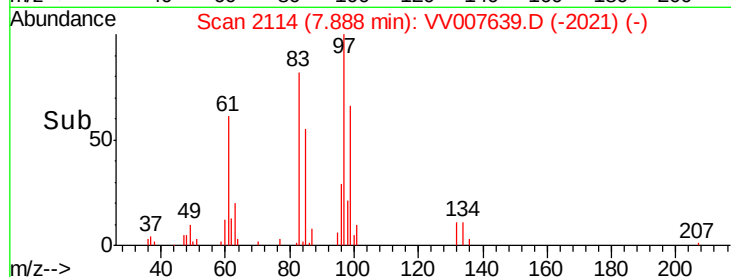
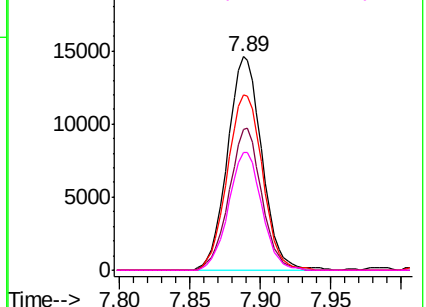


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.890 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Tgt Ion: 164 Resp: 38951

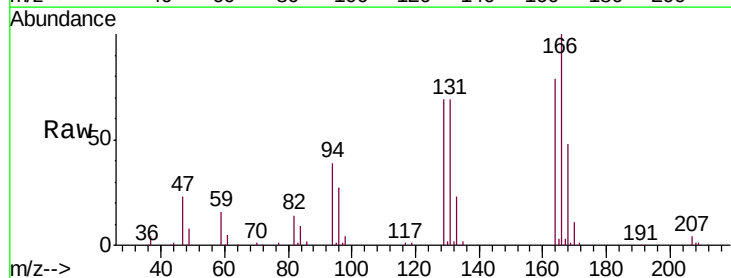
Ion Ratio Lower Upper

164 100

129 87.9 61.5 114.3

131 87.0 60.9 113.1

166 126.9 88.8 165.0

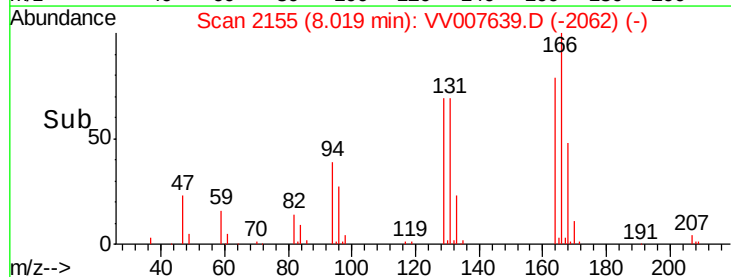
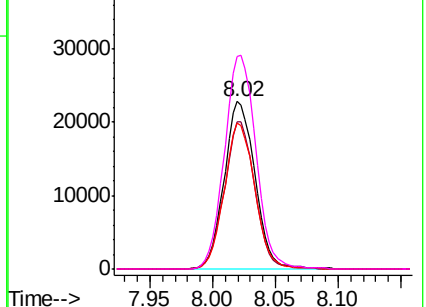


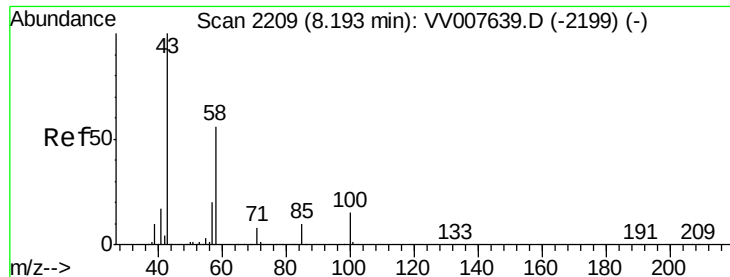
Abundance Ion 163.90 (163.60 to 164.60): V

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

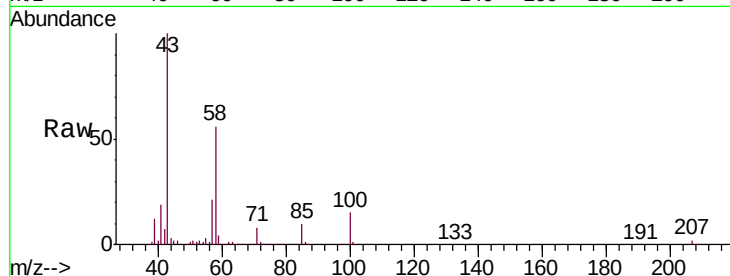




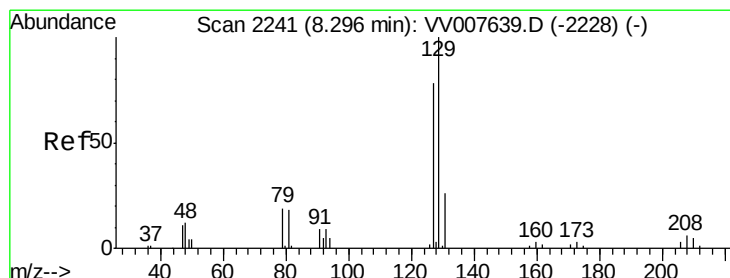
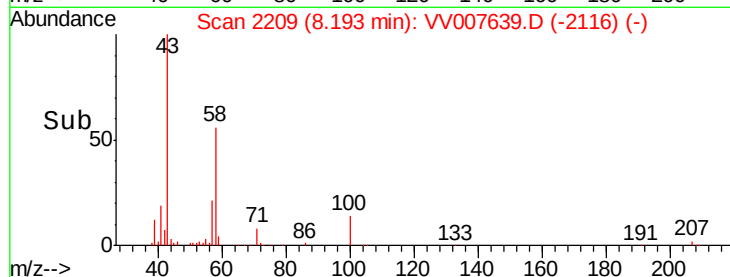
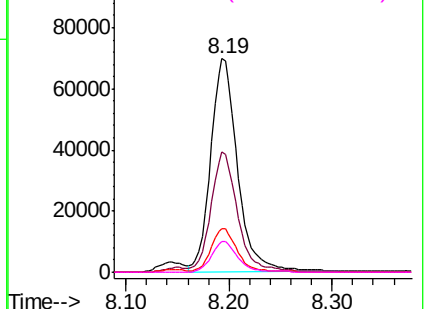
#48
2-Hexanone
Concen: 46.369 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion: 43 Resp: 124995
Ion Ratio Lower Upper
43 100
58 56.6 45.3 67.9
57 20.7 16.6 24.8
100 14.2 11.4 17.0

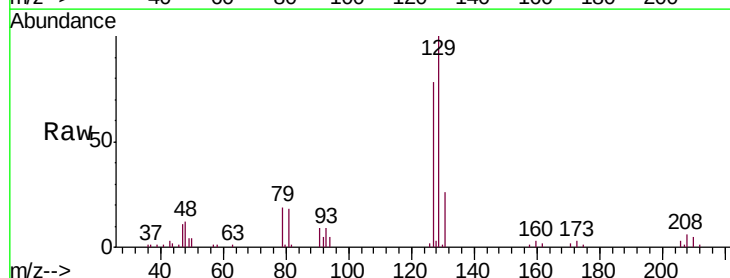


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

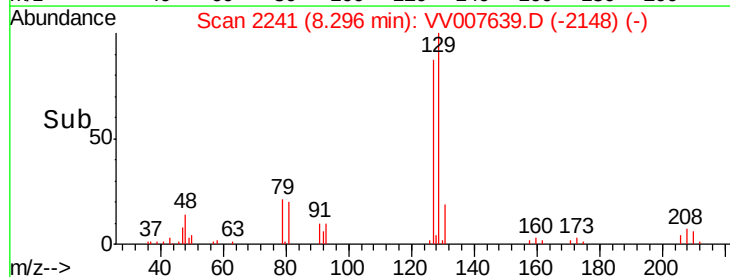
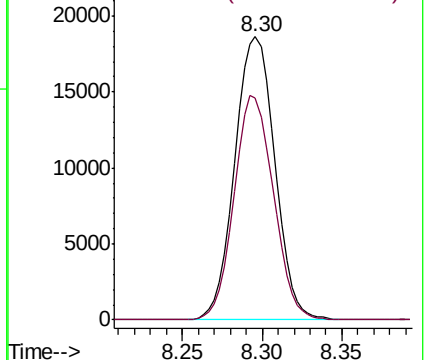


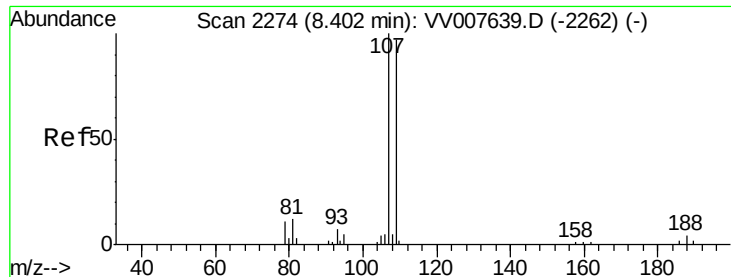
#49
Dibromochloromethane
Concen: 4.922 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

Tgt Ion: 129 Resp: 31835
Ion Ratio Lower Upper
129 100
127 78.5 54.9 102.1



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

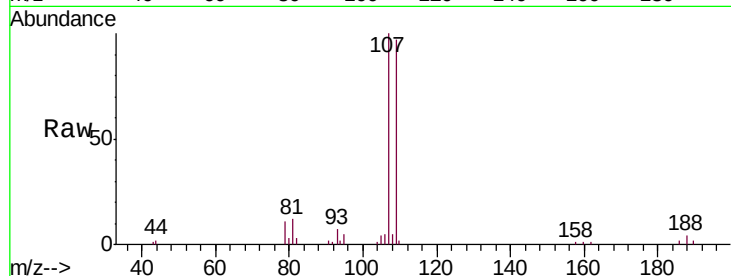




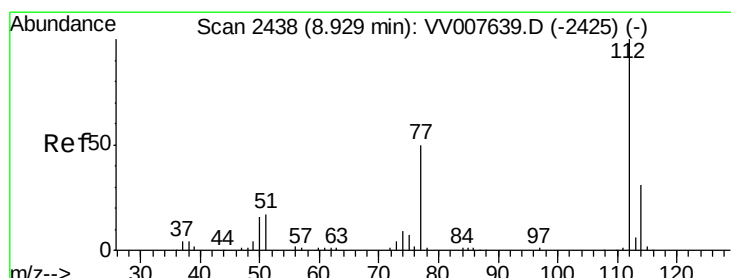
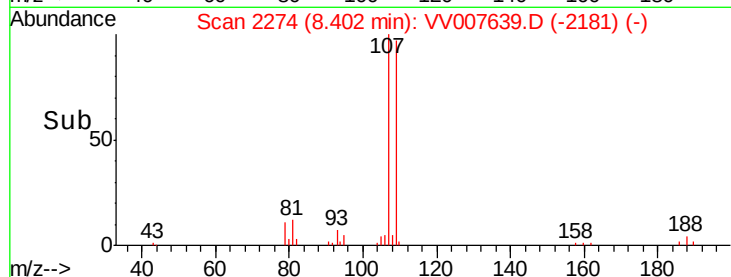
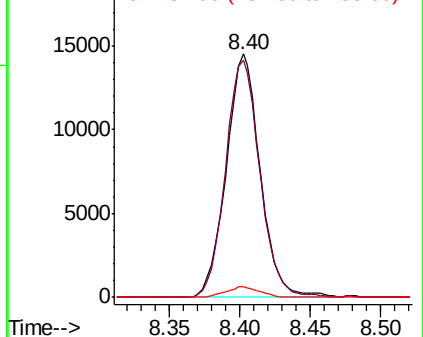
#50
1,2-Dibromoethane
Concen: 4.994 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion:107 Resp: 24449
Ion Ratio Lower Upper
107 100
109 97.2 68.0 126.4
188 4.4 3.5 5.3

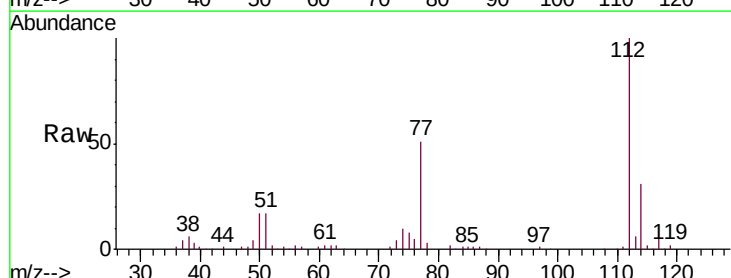


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

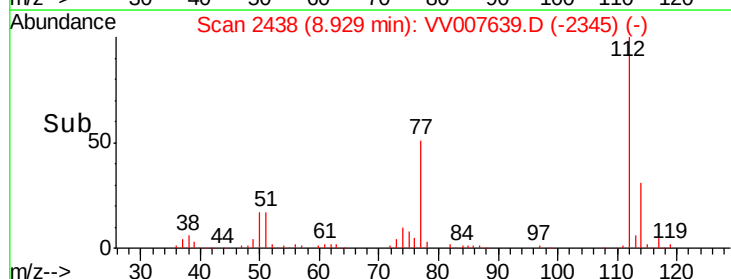
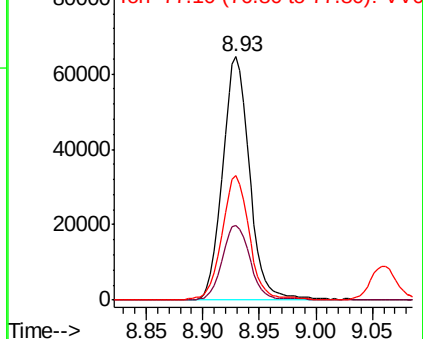


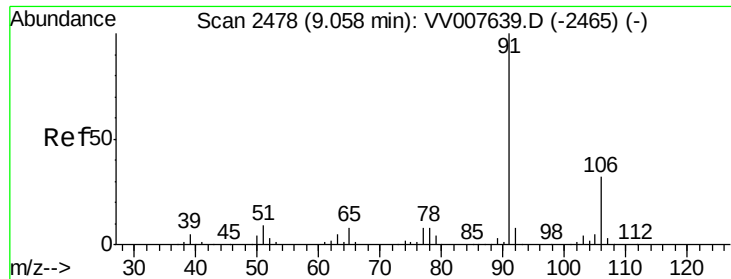
#51
Chlorobenzene
Concen: 5.017 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007639.D
Acq: 19 Sep 2018 21:28

Tgt Ion:112 Resp: 107543
Ion Ratio Lower Upper
112 100
114 30.7 21.5 39.9
77 51.0 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: 4.964 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

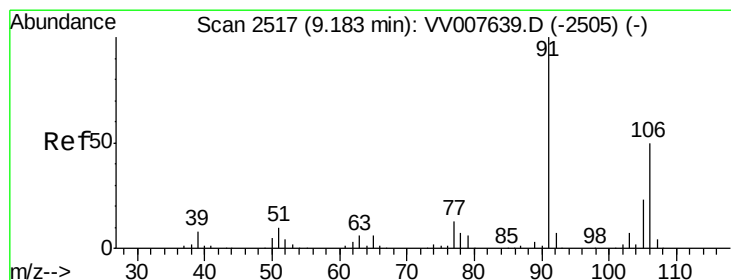
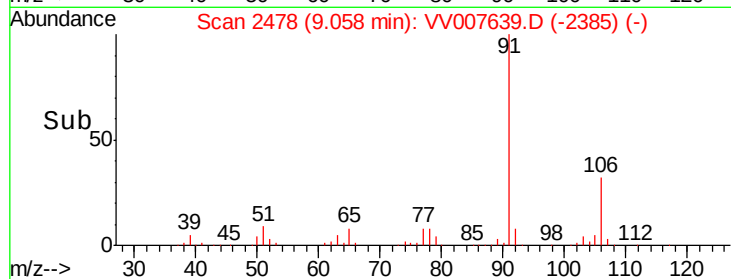
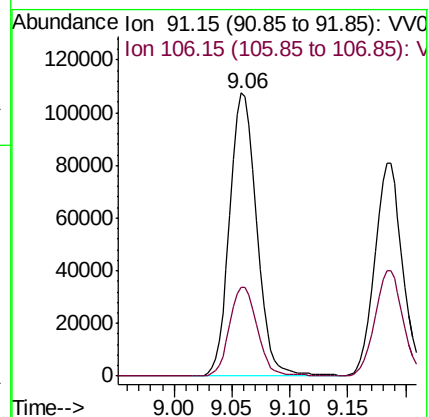
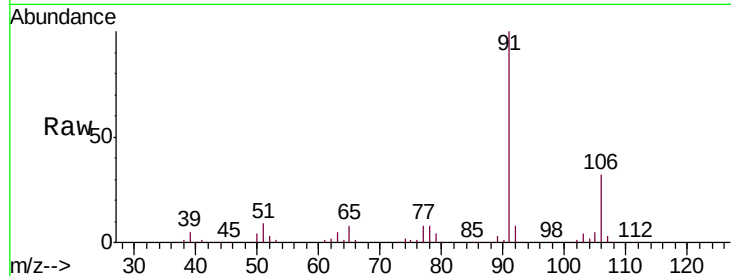
VSTD00569

Tgt Ion: 91 Resp: 173940

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



#53

m,p-xylene

Concen: 4.879 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV007639.D

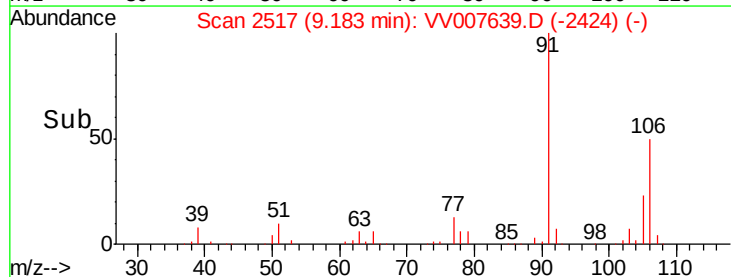
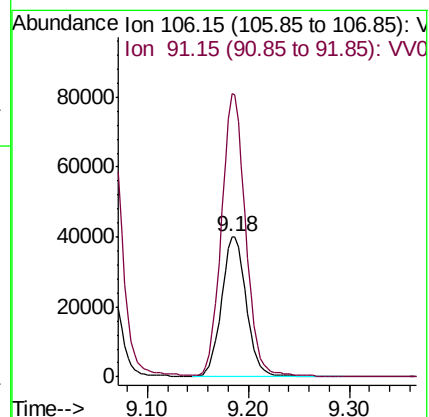
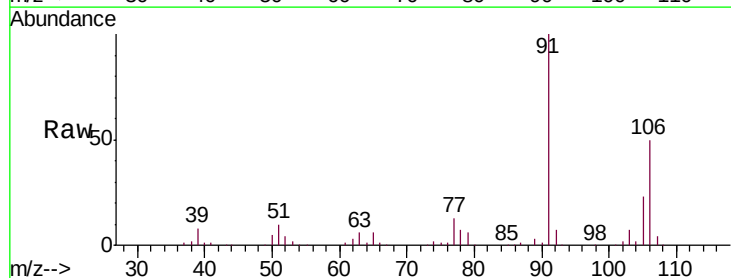
Acq: 19 Sep 2018 21:28

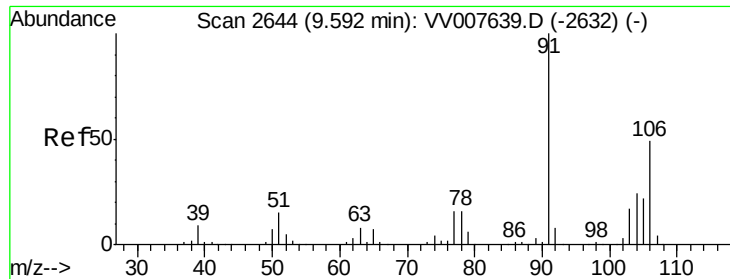
Tgt Ion: 106 Resp: 68909

Ion Ratio Lower Upper

106 100

91 201.3 140.9 261.7





#54

o-xylene

Concen: 5.064 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

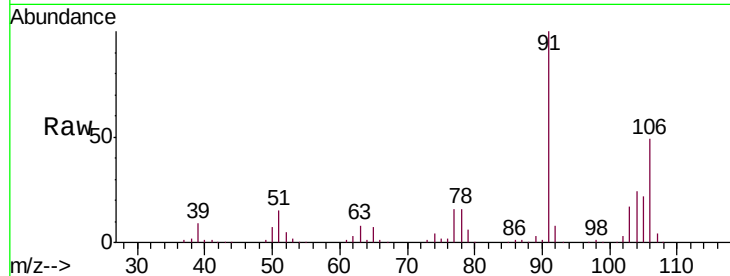
VSTD00569

Tgt Ion:106 Resp: 67423

Ion Ratio Lower Upper

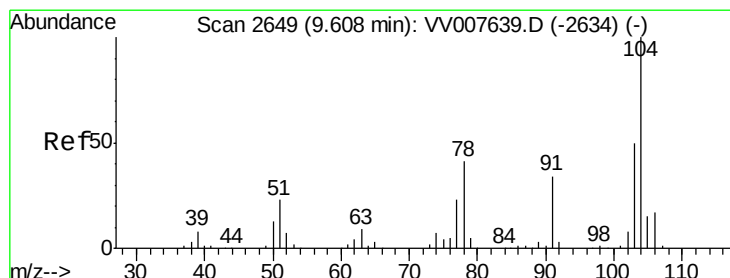
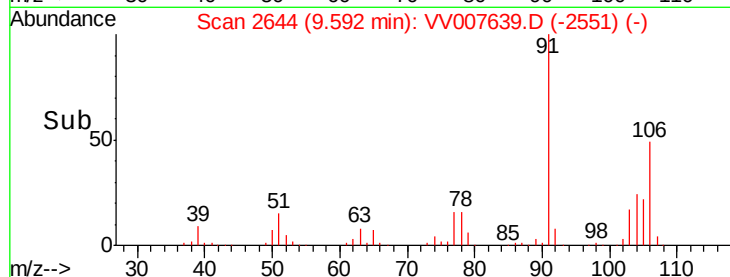
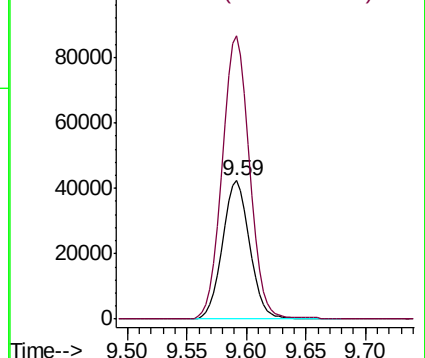
106 100

91 204.7 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.040 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007639.D

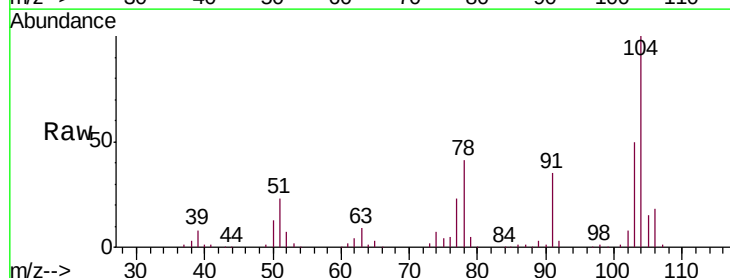
Acq: 19 Sep 2018 21:28

Tgt Ion:104 Resp: 111419

Ion Ratio Lower Upper

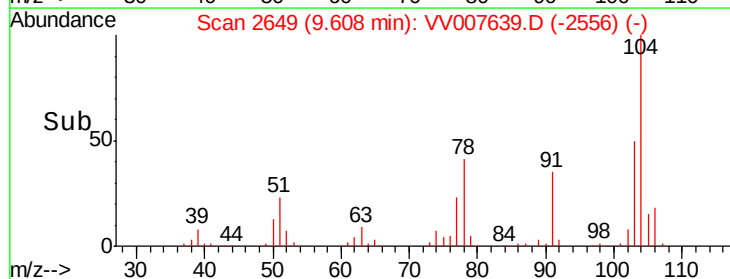
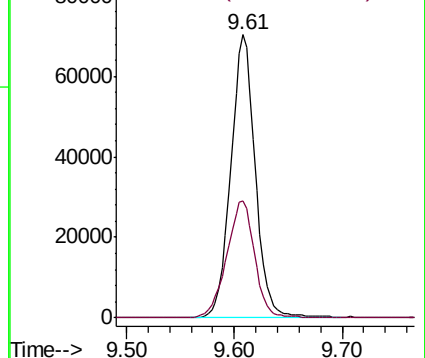
104 100

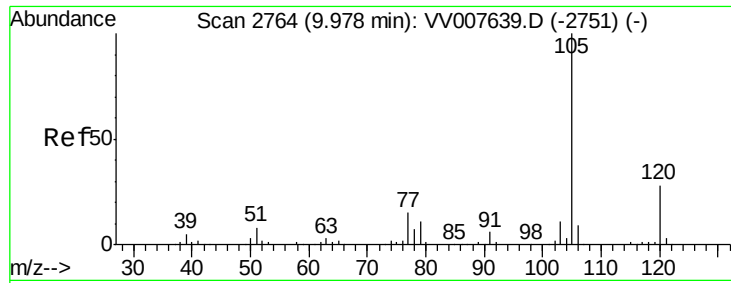
78 41.5 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.942 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

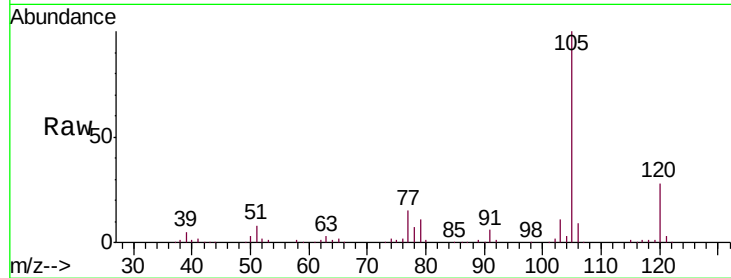
Tgt Ion: 105 Resp: 181386

Ion Ratio Lower Upper

105 100

120 28.0 22.4 33.6

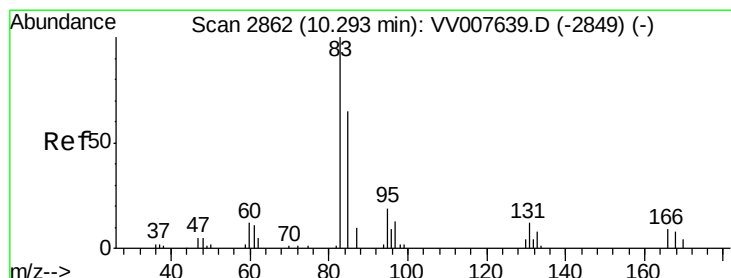
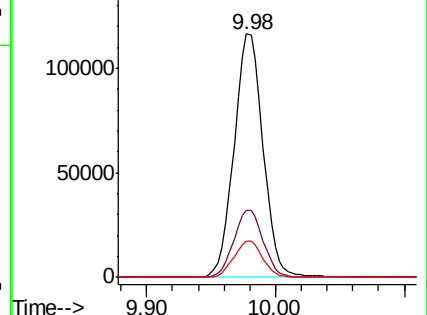
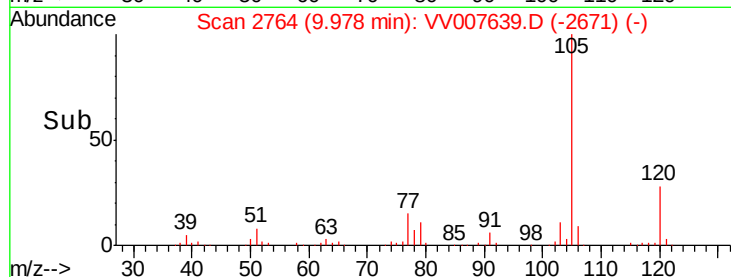
77 14.7 11.8 17.6



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: 6.084 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

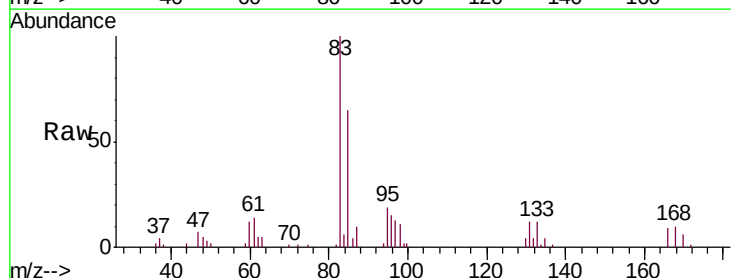
Tgt Ion: 83 Resp: 28549

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

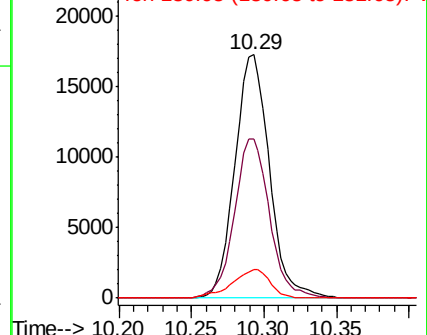
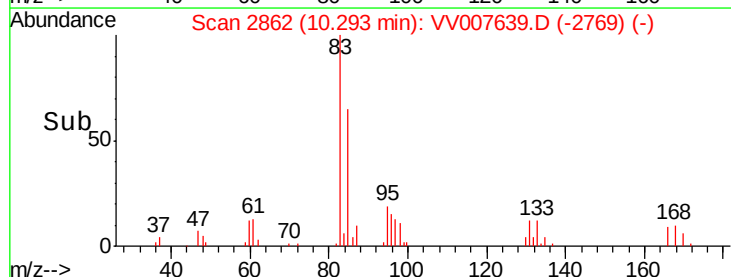
131 11.7 9.4 14.0

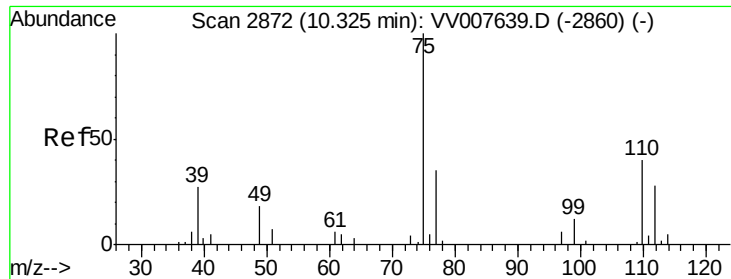


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.958 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

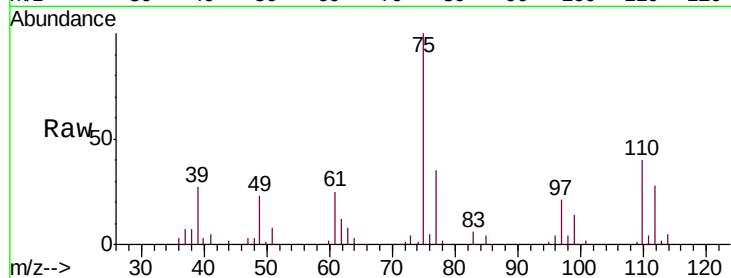
VSTD00569

Tgt Ion: 75 Resp: 20002

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VV007639.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007639.D (-2860) (-)

10.32

15000

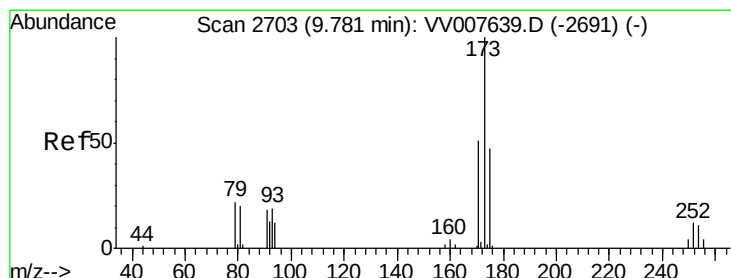
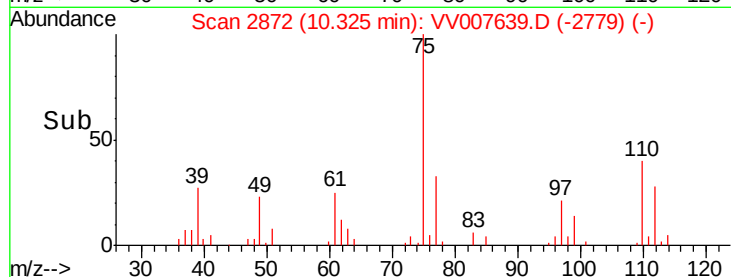
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.816 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

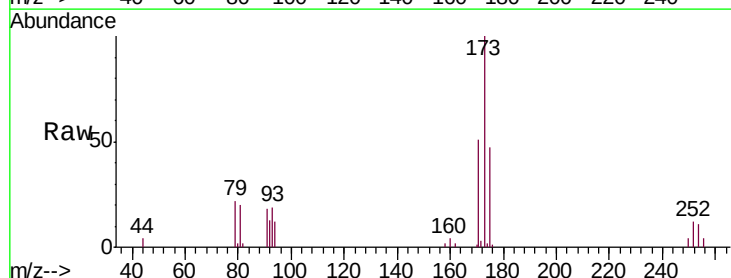
Tgt Ion: 173 Resp: 18322

Ion Ratio Lower Upper

173 100

175 46.9 37.5 56.3

254 10.6 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): VV007639.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007639.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007639.D (-2691) (-)

9.78

15000

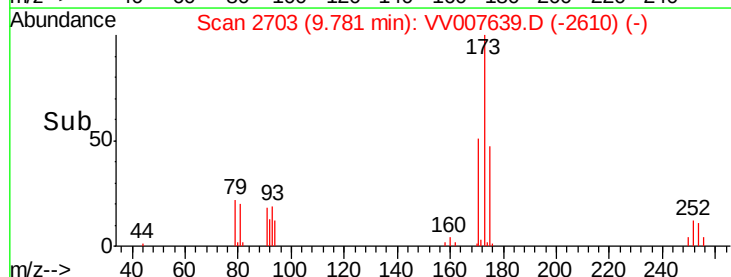
10000

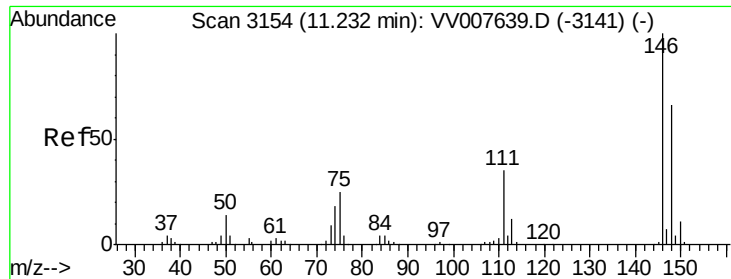
5000

0

Time-->

9.75 9.80 9.85

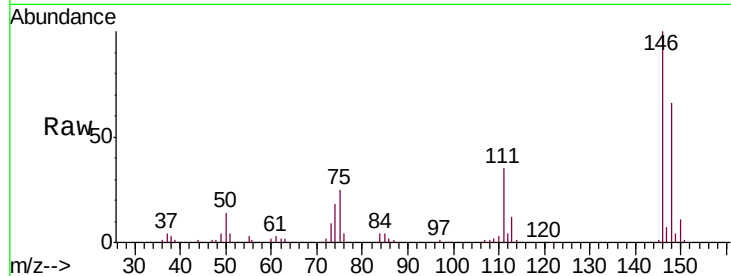




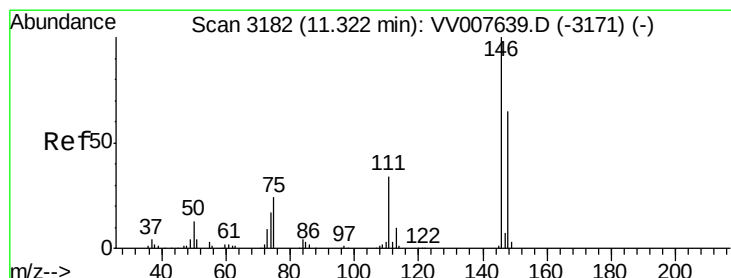
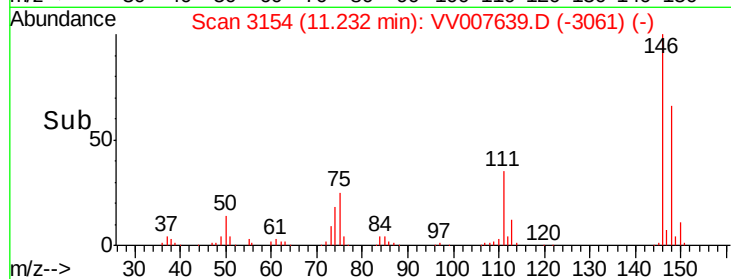
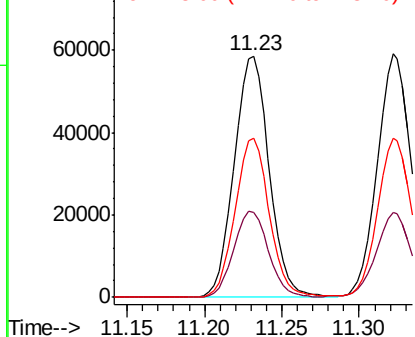
#62
 1,3-Dichlorobenzene
 Concen: 4.828 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:146 Resp: 92092
 Ion Ratio Lower Upper
 146 100
 111 35.3 24.7 45.9
 148 65.9 46.1 85.7

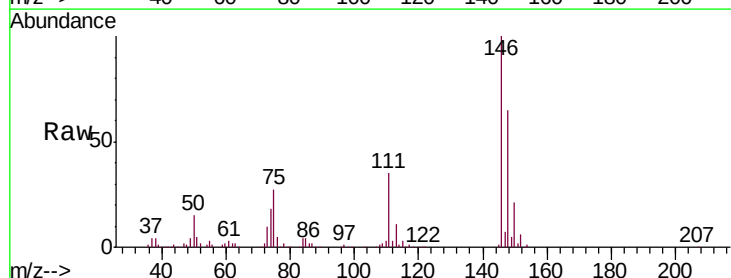


Abundance Ion 145.95 (145.65 to 146.65): V
 80000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

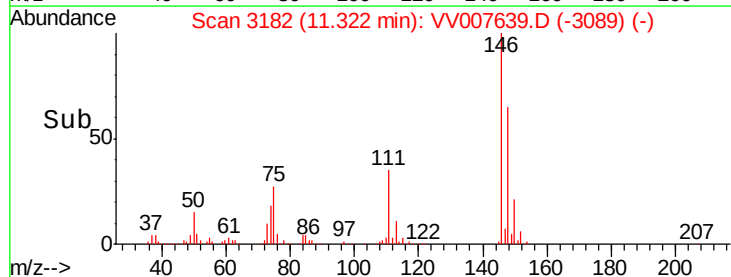
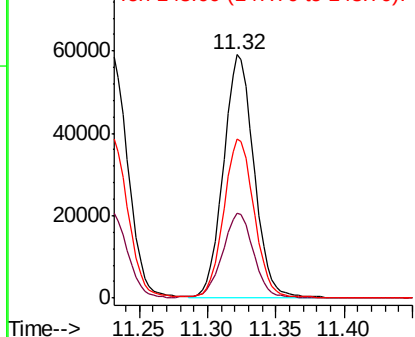


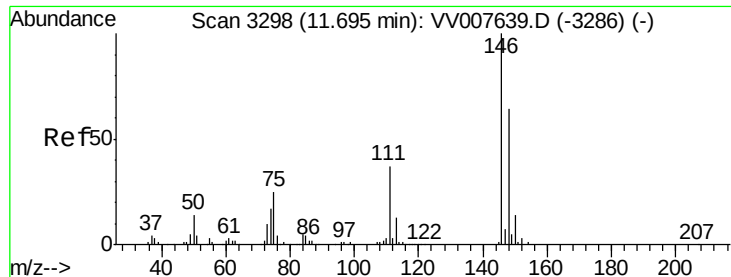
#63
 1,4-Dichlorobenzene
 Concen: 4.885 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion:146 Resp: 92278
 Ion Ratio Lower Upper
 146 100
 111 34.7 24.3 45.1
 148 65.3 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V
 80000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.922 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

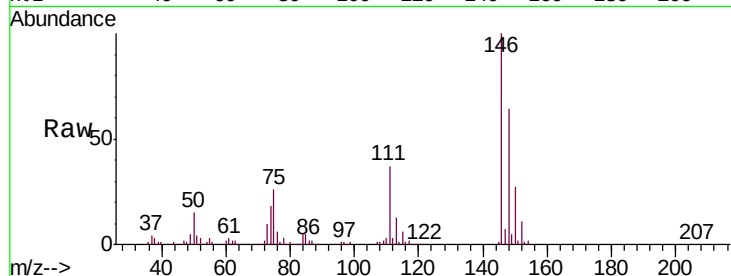
Tgt Ion:146 Resp: 86639

Ion Ratio Lower Upper

146 100

111 37.5 30.0 45.0

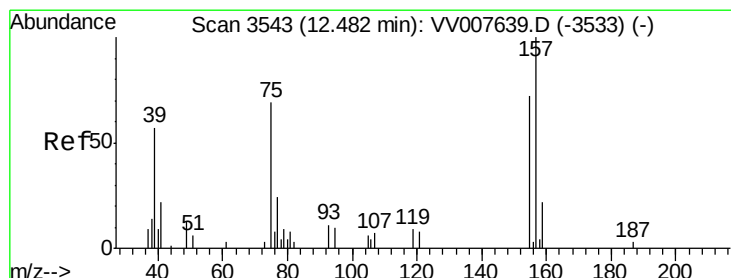
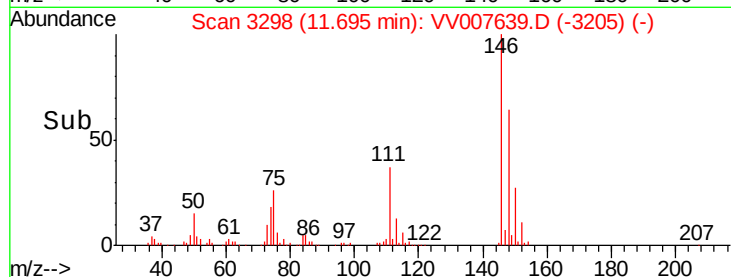
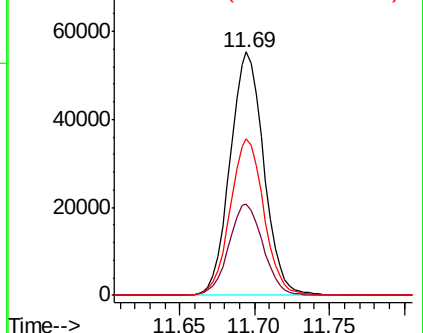
148 64.4 51.5 77.3



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: 5.473 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

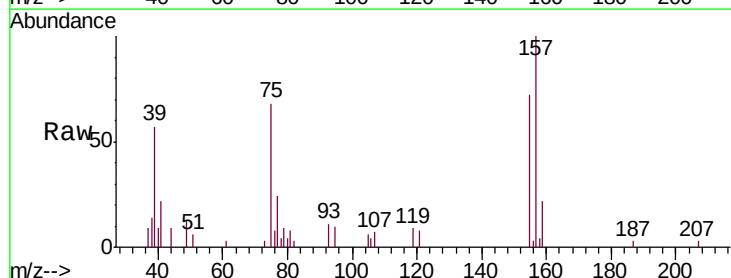
Tgt Ion: 75 Resp: 4142

Ion Ratio Lower Upper

75 100

155 105.8 84.6 127.0

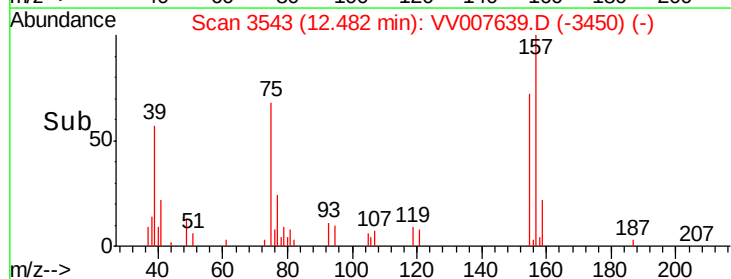
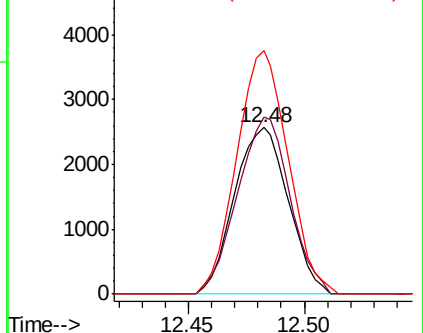
157 146.0 116.8 175.2

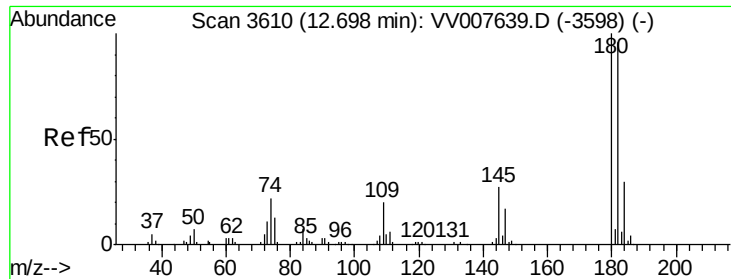


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

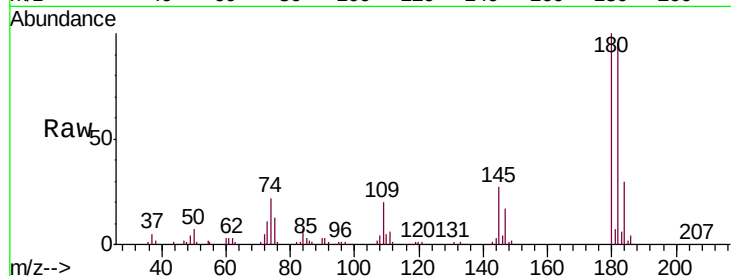




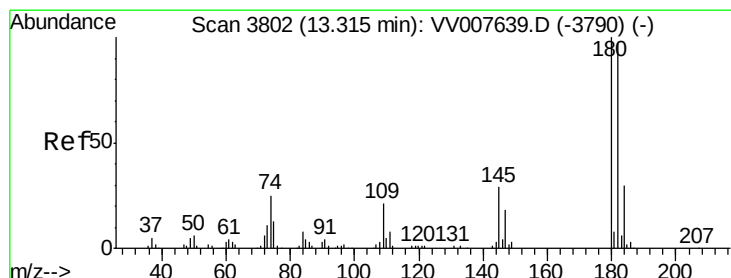
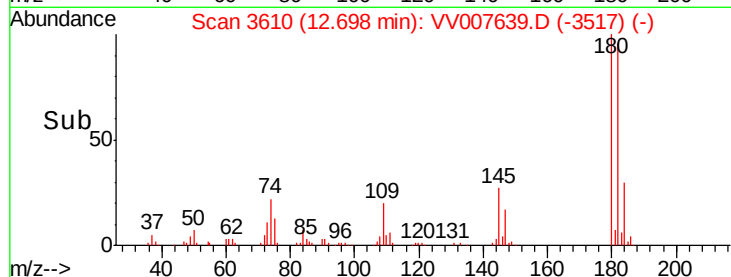
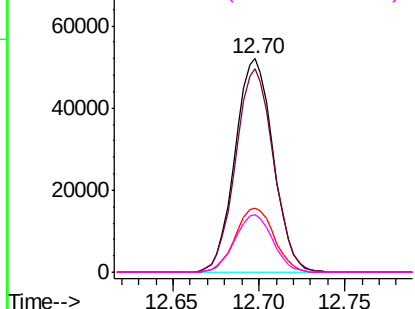
#67
 1,3,5-Trichlorobenzene
 Concen: 5.255 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:	180	Resp:	80295
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.6	24.5	36.7
145	26.8	21.4	32.2

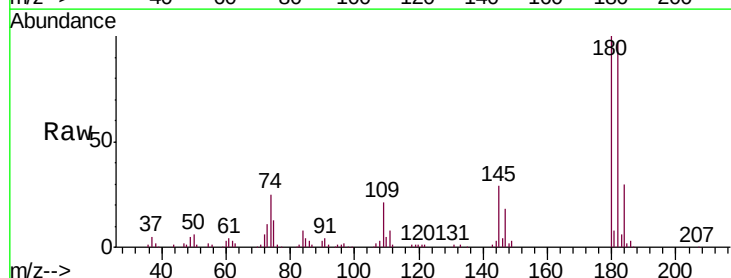


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

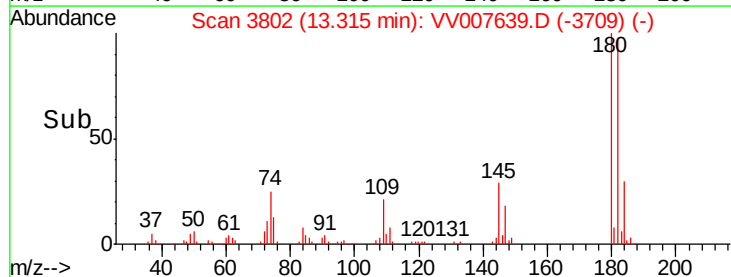
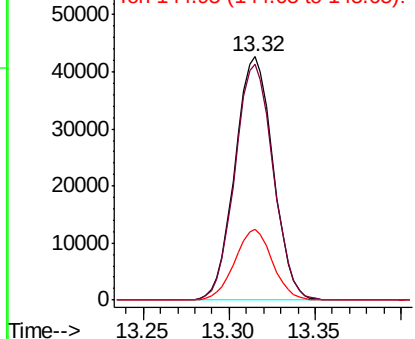


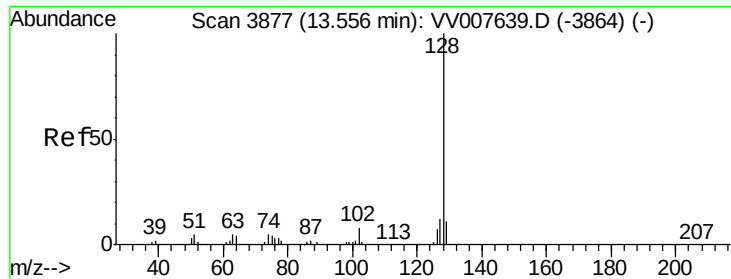
#68
 1,2,4-trichlorobenzene
 Concen: 5.961 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007639.D
 Acq: 19 Sep 2018 21:28

Tgt Ion:	180	Resp:	65609
Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
145	28.7	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: 7.173 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

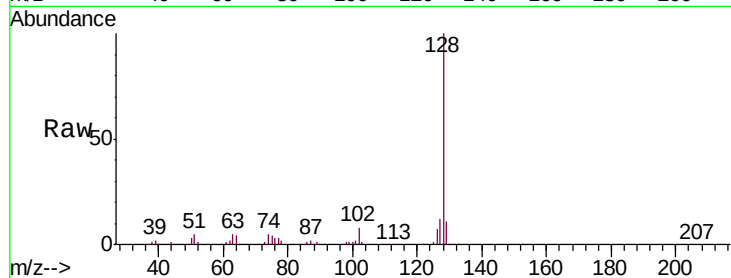
Tgt Ion:128 Resp: 98363

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

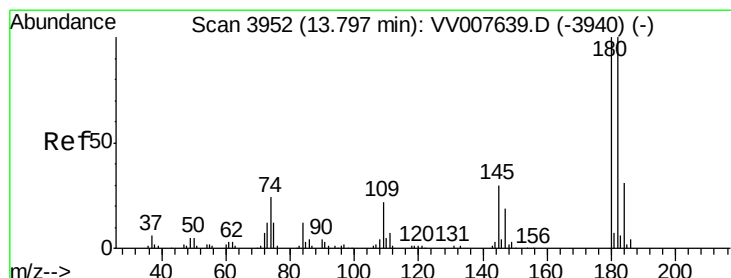
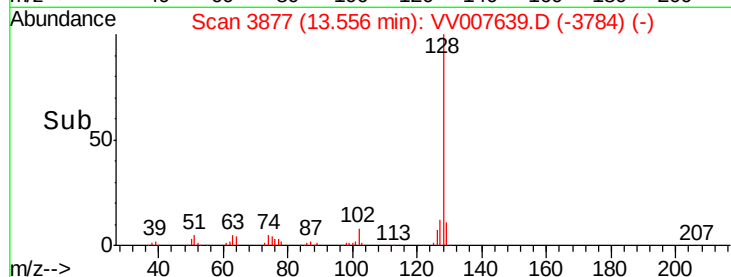
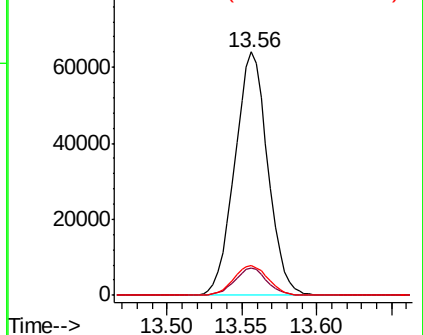
127 12.7 10.2 15.2



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: 5.899 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007639.D

Acq: 19 Sep 2018 21:28

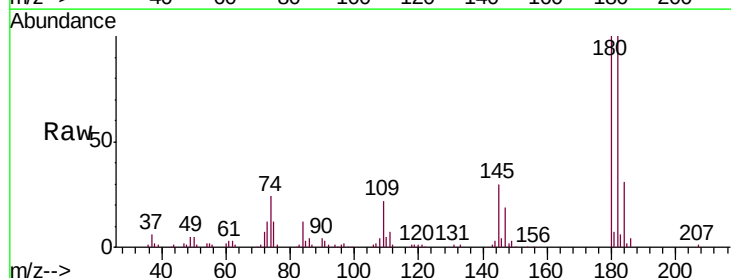
Tgt Ion:180 Resp: 59460

Ion Ratio Lower Upper

180 100

182 99.6 79.7 119.5

145 29.9 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

