

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007339.D
 Acq On : 04 Sep 2018 19:59
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Sep 05 00:59:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 00:58:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	546461	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	523751	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	248873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	195493	49.34	ug/L	0.00
7) Chloroethane-d5	1.57	69	131799	53.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	337545	48.82	ug/L	0.00
21) 2-Butanone-d5	3.96	46	315510	100.99	ug/L	0.00
24) Chloroform-d	4.41	84	397582	50.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	240853	49.72	ug/L	0.00
32) Benzene-d6	5.10	84	799359	48.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	261169	48.37	ug/L	0.00
41) Toluene-d8	7.36	98	721503	50.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	113384	47.40	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	221403	104.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	364153	50.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	269951	48.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	205916	55.785	ug/L 100
3) Chloromethane	1.25	50	216572	48.858	ug/L 100
5) Vinyl chloride	1.32	62	223418	51.747	ug/L 100
6) Bromomethane	1.52	94	101634	46.687	ug/L 100
8) Chloroethane	1.58	64	124859	59.418	ug/L 100
9) Trichlorofluoromethane	1.76	101	283399	50.641	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	174628	50.179	ug/L 100
12) 1,1-Dichloroethene	2.14	96	164558	50.494	ug/L 100
13) Acetone	2.20	43	175766	83.858	ug/L 100
14) Carbon disulfide	2.32	76	465772	48.399	ug/L 100
15) Methyl Acetate	2.47	43	197291	52.255	ug/L 100
16) Methylene chloride	2.54	84	193318	49.266	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	178468	50.110	ug/L 100
18) Methyl tert-butyl Ether	2.82	73	569425	51.156	ug/L 100
19) 1,1-Dichloroethane	3.23	63	374696	51.574	ug/L 100
20) cis-1,2-Dichloroethene	3.97	96	208832	50.245	ug/L 100
22) 2-Butanone	4.04	43	309600	97.464	ug/L 100
23) Bromochloromethane	4.30	128	110132	51.342	ug/L 100
25) Chloroform	4.43	83	369507	50.867	ug/L 100
27) 1,2-Dichloroethane	5.19	62	278756	52.344	ug/L 100
29) Cyclohexane	4.73	56	284018	48.605	ug/L 100
30) 1,1,1-Trichloroethane	4.66	97	306884	49.678	ug/L 100
31) Carbon tetrachloride	4.88	117	266620	50.233	ug/L 100
33) Benzene	5.15	78	836085	50.922	ug/L 100
34) Trichloroethene	5.96	95	196805	49.085	ug/L 100
35) Methylcyclohexane	6.18	83	308063	49.757	ug/L 100
37) 1,2-Dichloropropane	6.23	63	223365	51.337	ug/L 100
38) Bromodichloromethane	6.56	83	269133	49.923	ug/L 100
39) cis-1,3-Dichloropropene	7.08	75	308758	49.438	ug/L 100
40) 4-Methyl-2-pentanone	7.29	43	550774	105.473	ug/L 100

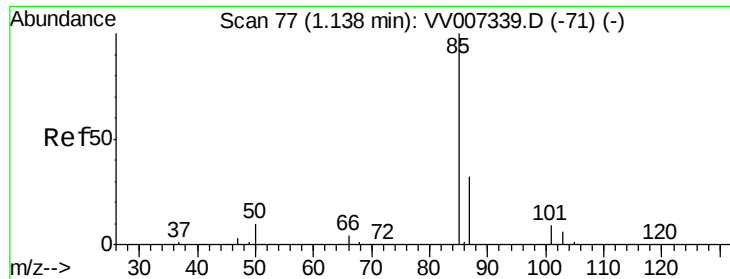
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007339.D
 Acq On : 04 Sep 2018 19:59
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Sep 05 00:59:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 00:58:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	845116	52.515	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	284051	49.465	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	210032	50.685	ug/L	100
46) Tetrachloroethene	8.02	164	160802	49.767	ug/L	100
48) 2-Hexanone	8.19	43	440737	106.546	ug/L	100
49) Dibromochloromethane	8.30	129	216041	50.054	ug/L	100
50) 1,2-Dibromoethane	8.40	107	207747	50.790	ug/L	100
51) Chlorobenzene	8.93	112	538274	50.339	ug/L	100
52) Ethylbenzene	9.06	91	850211	51.389	ug/L	100
53) m,p-Xylene	9.19	106	332262	53.314	ug/L	100
54) o-xylene	9.59	106	318465	52.485	ug/L	100
55) Styrene	9.61	104	582025	55.152	ug/L	100
56) Isopropylbenzene	9.98	105	811570	52.300	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	338868	51.207	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	271498	51.076	ug/L	100
61) Bromoform	9.78	173	158697	49.026	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	369819	48.791	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	402774	49.550	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	424197	51.311	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	68983	50.328	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	291143	50.291	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	232999	50.907	ug/L	100
69) Naphthalene	13.56	128	694337	53.455	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	270548	54.367	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 55.785 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

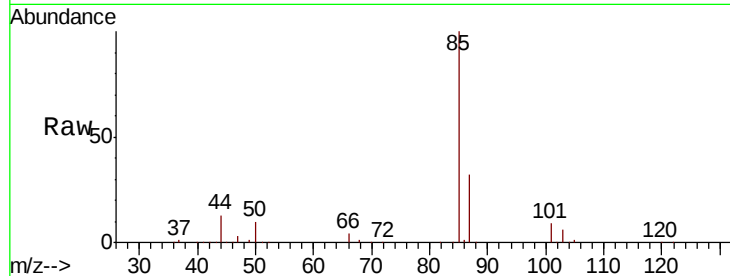
VSTD05062

Tgt Ion: 85 Resp: 205916

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007339.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV007339.D (-71) (-)

1.14

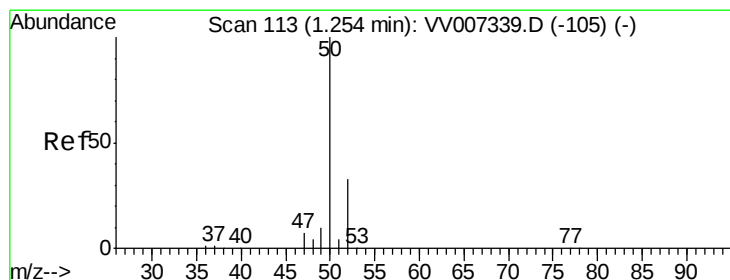
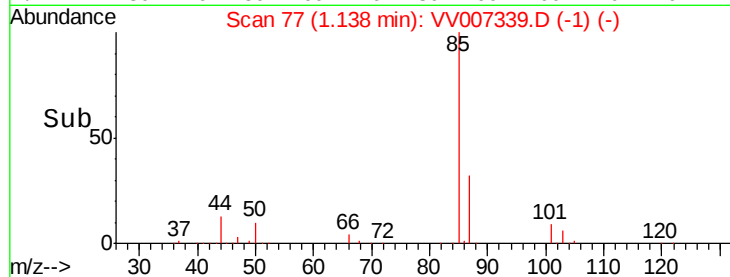
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.858 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007339.D

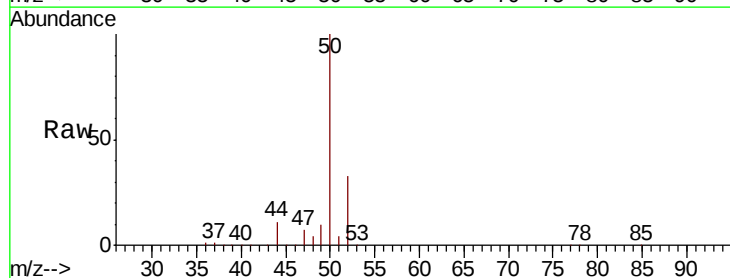
Acq: 04 Sep 2018 19:59

Tgt Ion: 50 Resp: 216572

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007339.D (-105) (-)

Ion 52.00 (51.70 to 52.70): VV007339.D (-105) (-)

1.25

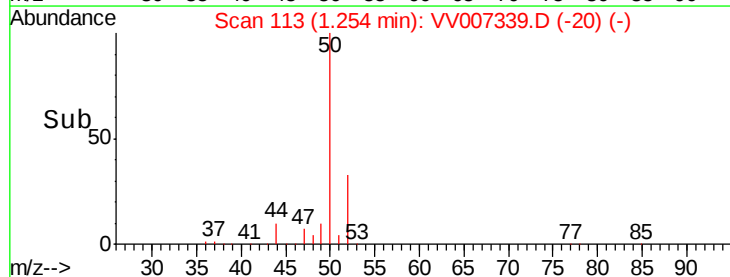
150000

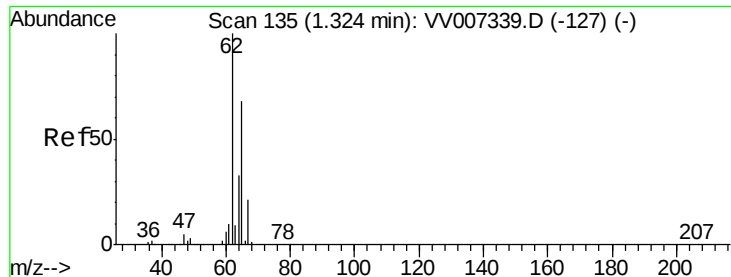
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.747 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

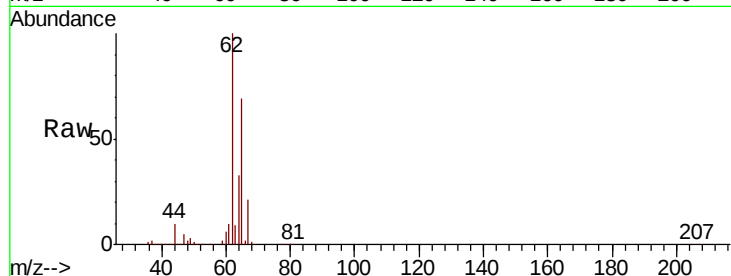
VSTD05062

Tgt Ion: 62 Resp: 223418

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV007339.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007339.D (-127) (-)

1.32

200000

150000

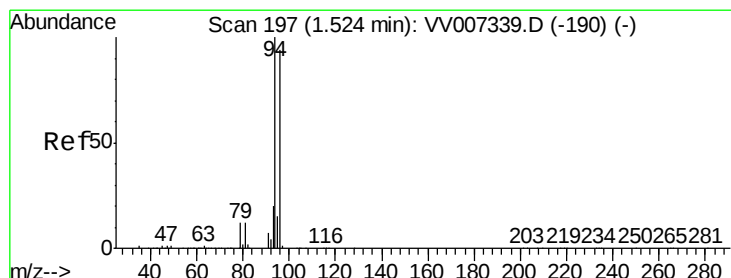
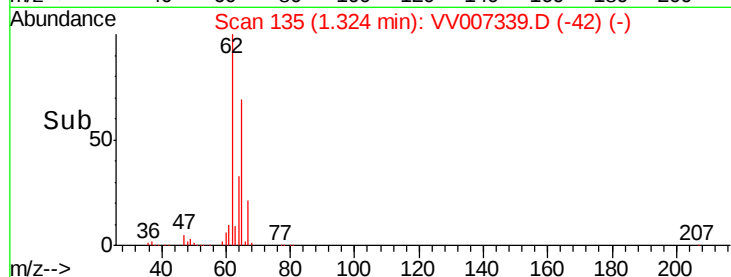
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 46.687 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.00 min

Lab File: VV007339.D

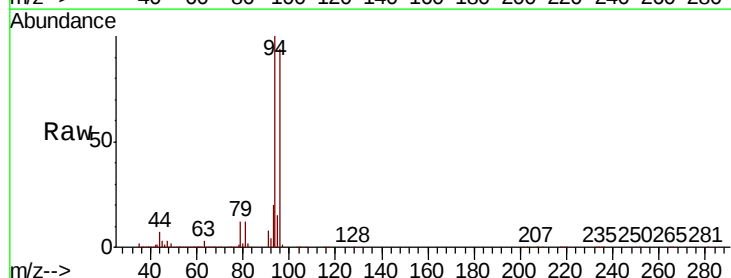
Acq: 04 Sep 2018 19:59

Tgt Ion: 94 Resp: 101634

Ion Ratio Lower Upper

94 100

96 94.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV007339.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007339.D (-190) (-)

1.52

120000

100000

80000

60000

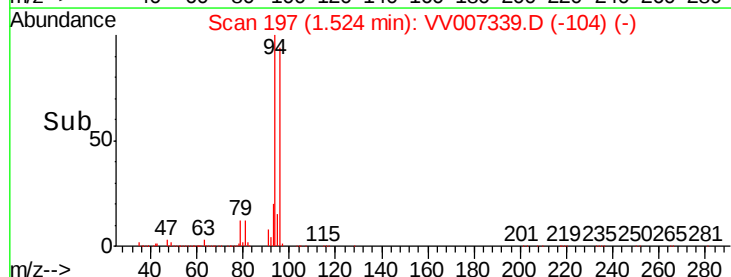
40000

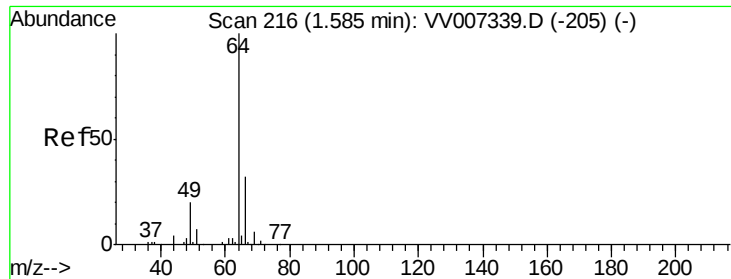
20000

0

1.50 1.55 1.60

Time-->

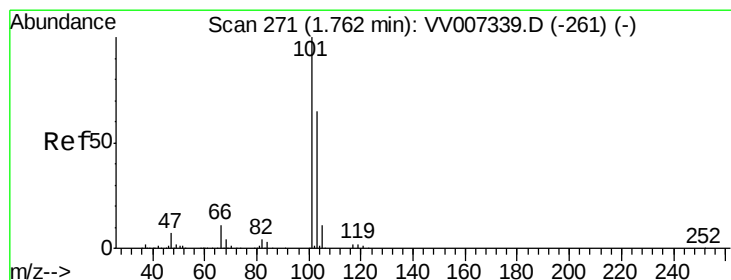
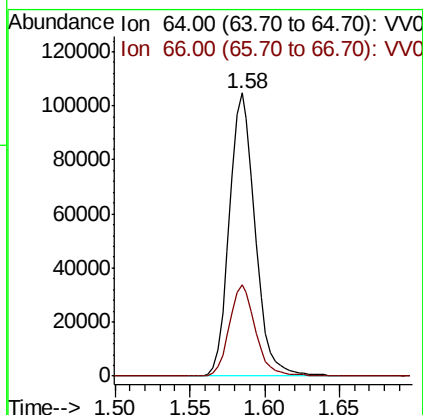
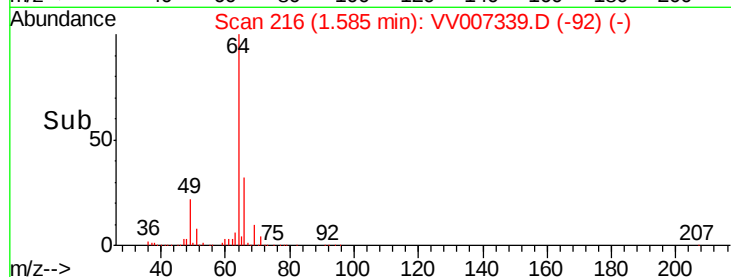
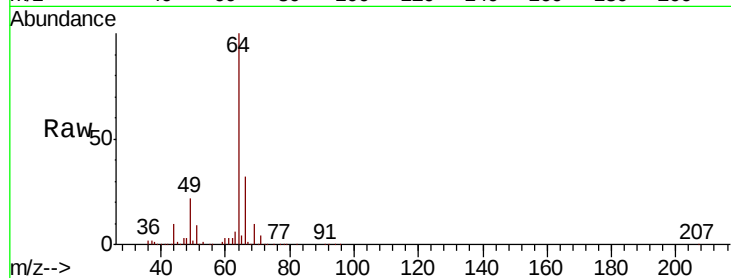




#8
Chloroethane
Concen: 59.418 ug/L
RT: 1.58 min Scan# 216
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

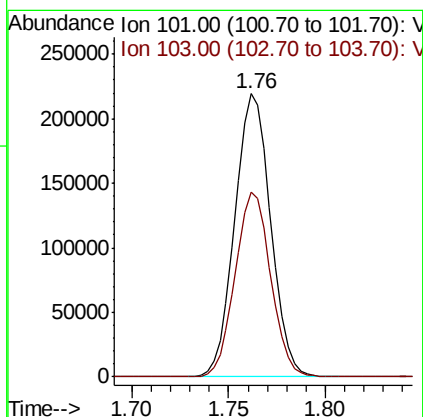
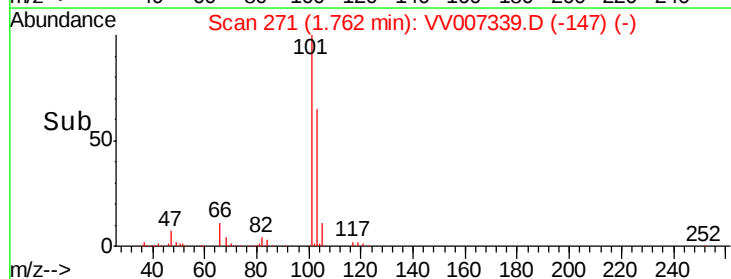
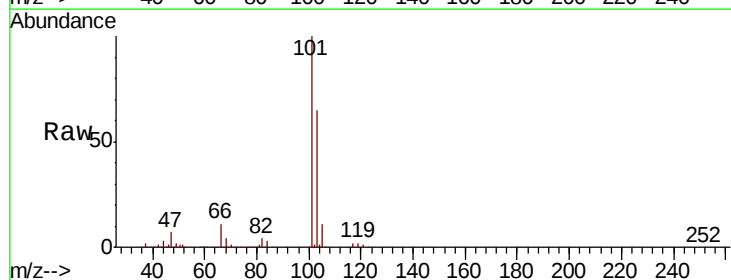
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

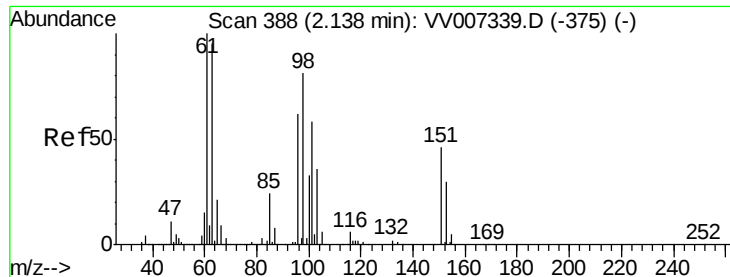
Tgt Ion: 64 Resp: 124859
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 50.641 ug/L
RT: 1.76 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Tgt Ion: 101 Resp: 283399
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 50.179 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

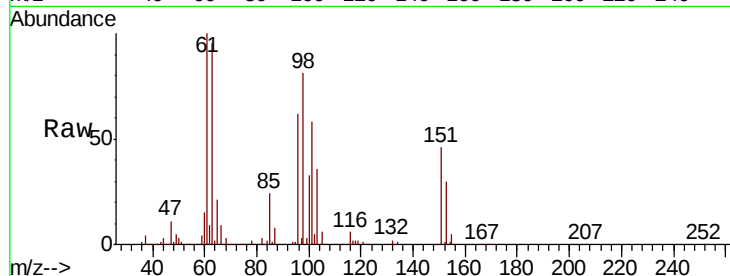
Tgt Ion:101 Resp: 174628

Ion Ratio Lower Upper

101 100

85 40.9 32.7 49.1

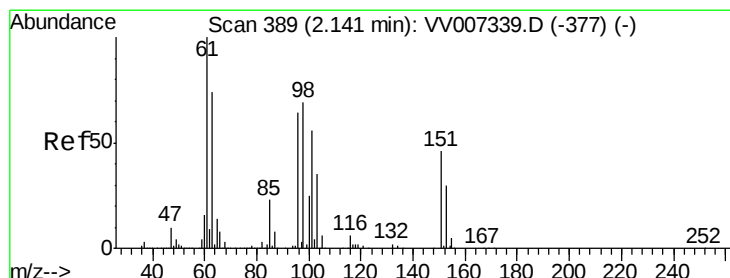
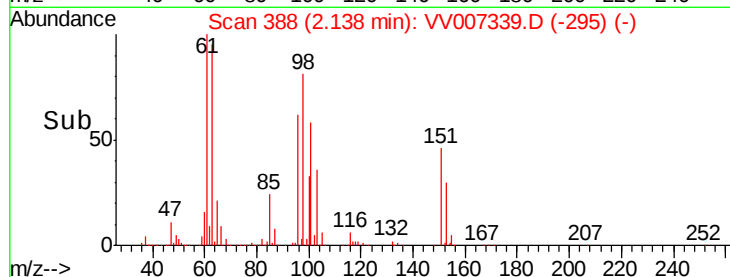
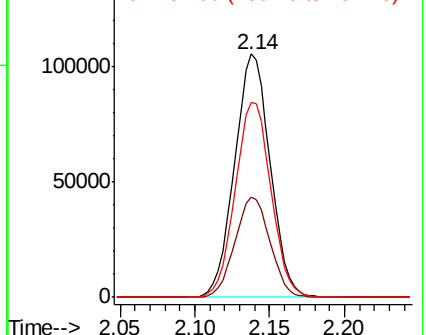
151 80.6 64.5 96.7



Abundance Ion 101.00 (100.70 to 101.70): VV007339.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007339.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007339.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 50.494 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

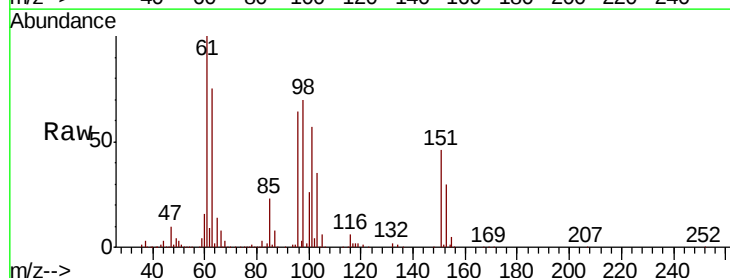
Tgt Ion: 96 Resp: 164558

Ion Ratio Lower Upper

96 100

61 155.2 108.6 201.8

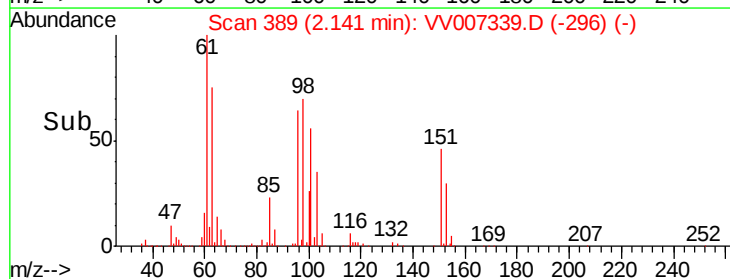
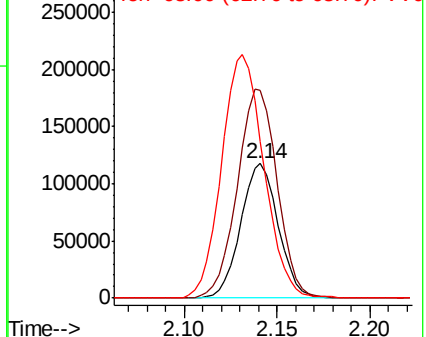
63 116.4 81.5 151.3

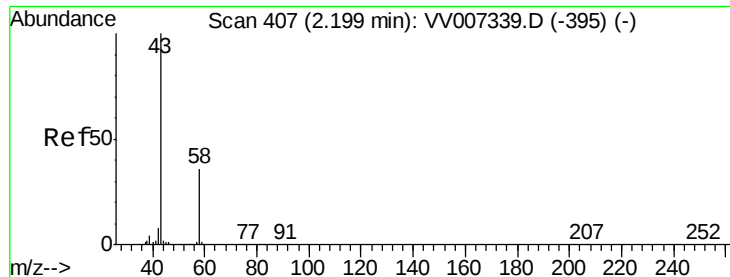


Abundance Ion 96.00 (95.70 to 96.70): VV007339.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VV007339.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV007339.D (-377) (-)





#13

Acetone

Concen: 83.858 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

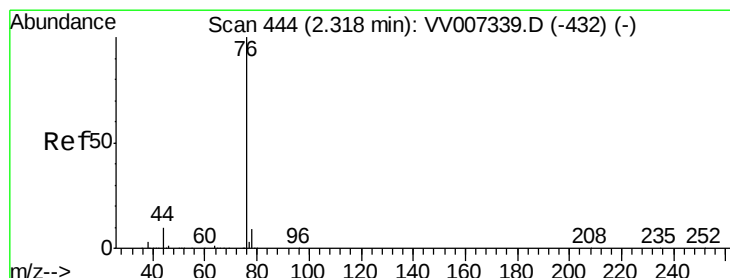
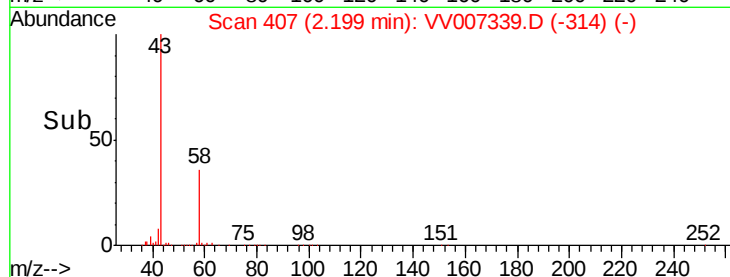
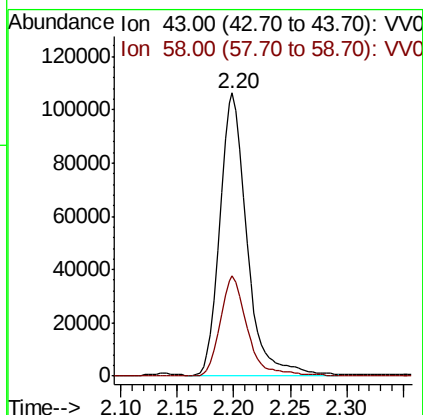
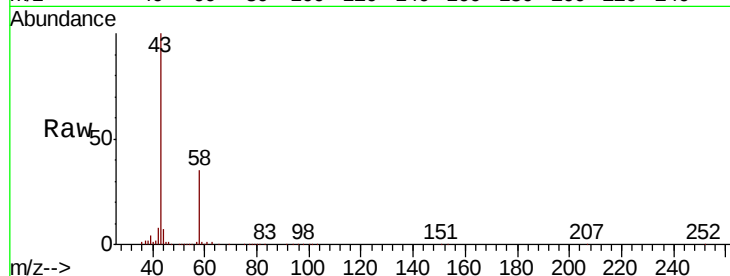
VSTD05062

Tgt Ion: 43 Resp: 175766

Ion Ratio Lower Upper

43 100

58 35.6 0.0 71.2



#14

Carbon disulfide

Concen: 48.399 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007339.D

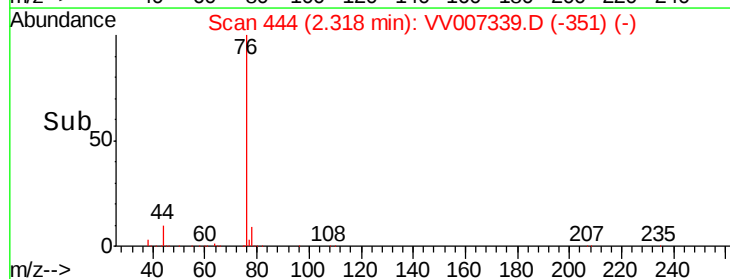
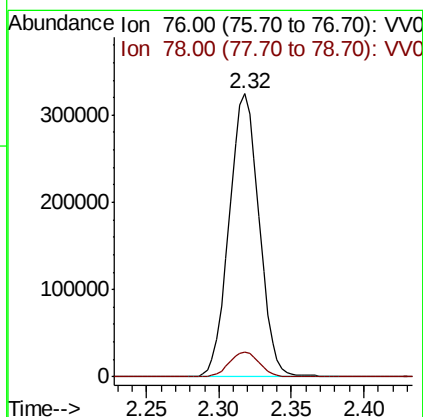
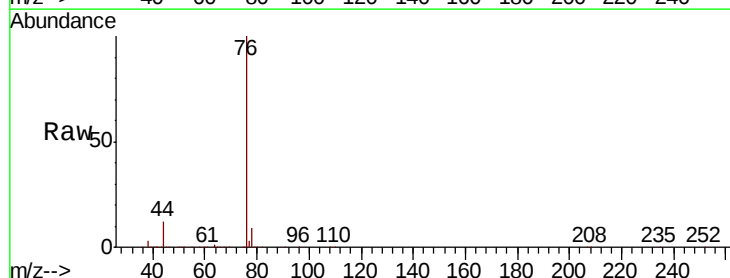
Acq: 04 Sep 2018 19:59

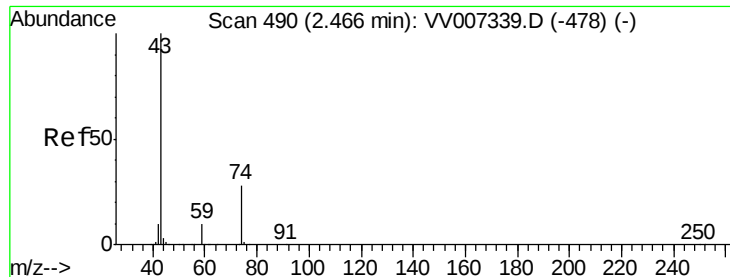
Tgt Ion: 76 Resp: 465772

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 52.255 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

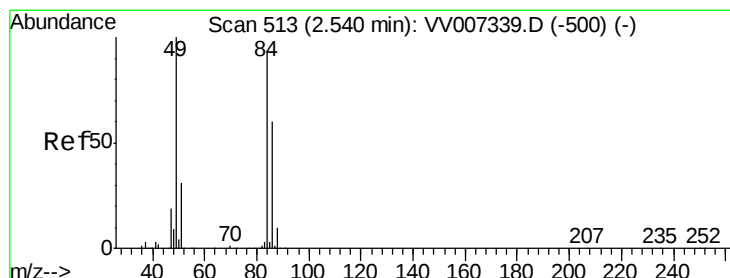
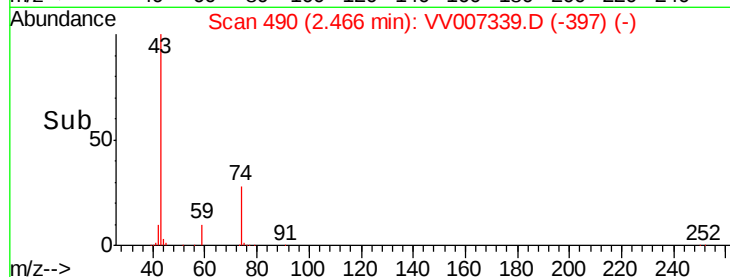
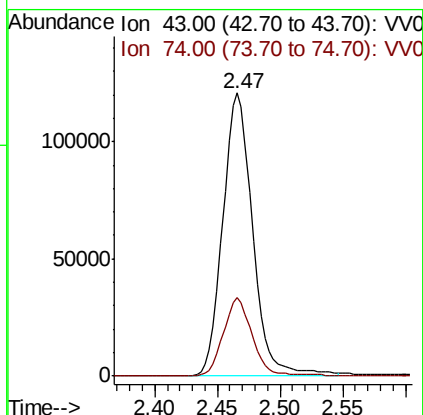
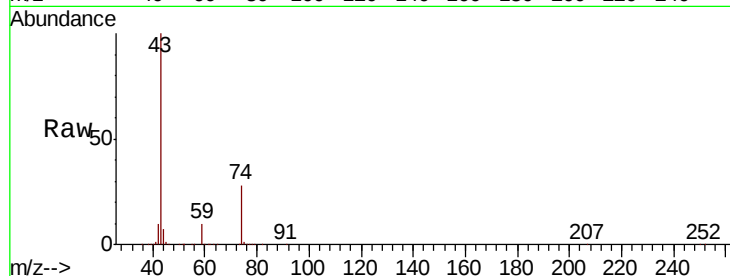
VSTD05062

Tgt Ion: 43 Resp: 197291

Ion Ratio Lower Upper

43 100

74 26.9 21.5 32.3



#16

Methylene chloride

Concen: 49.266 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

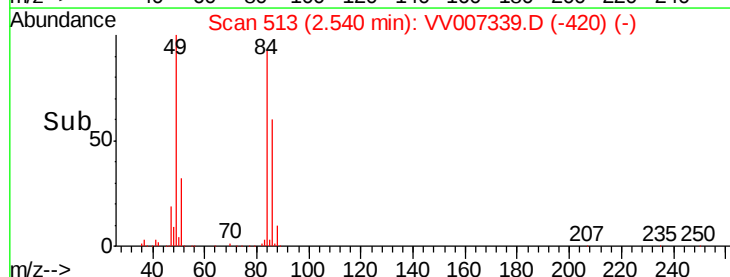
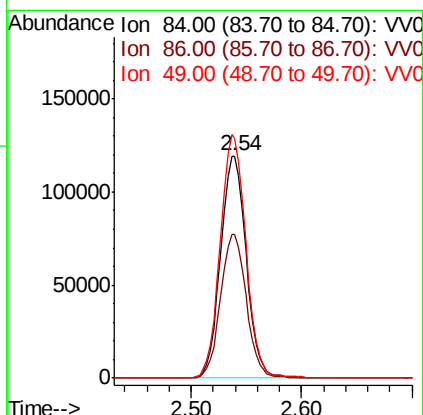
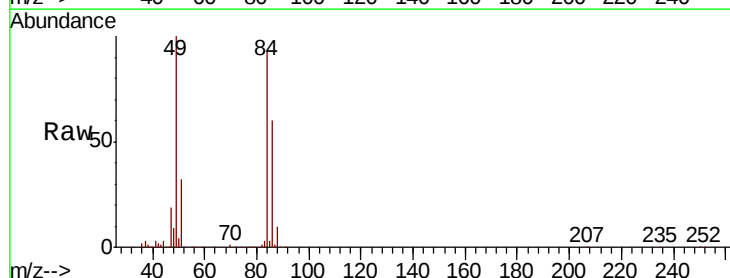
Tgt Ion: 84 Resp: 193318

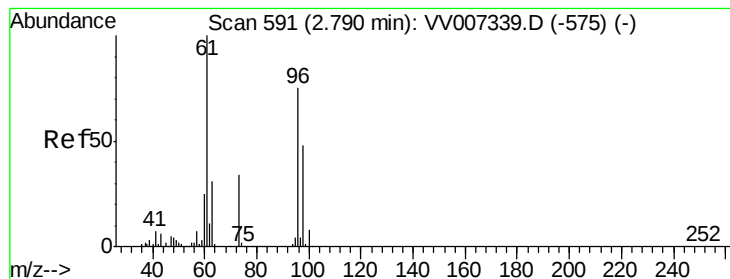
Ion Ratio Lower Upper

84 100

86 64.7 45.3 84.1

49 108.0 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 50.110 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

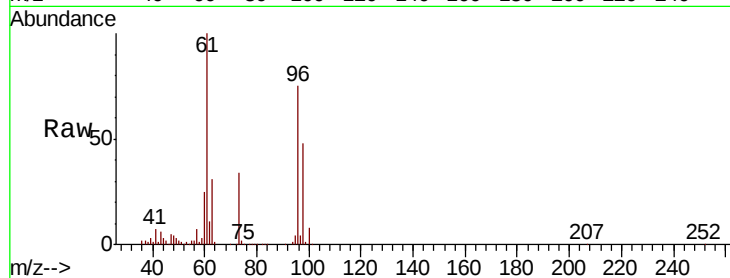
Tgt Ion: 96 Resp: 178468

Ion Ratio Lower Upper

96 100

61 133.0 93.1 172.9

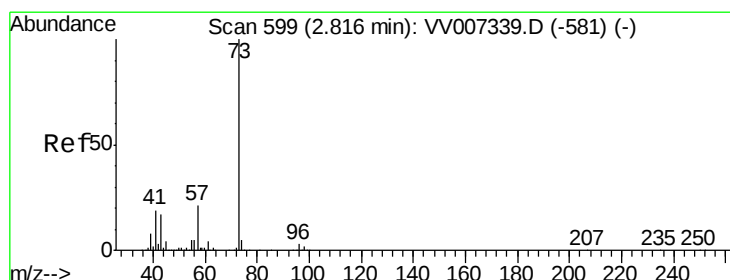
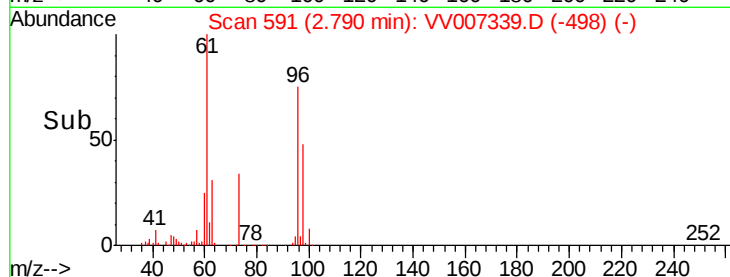
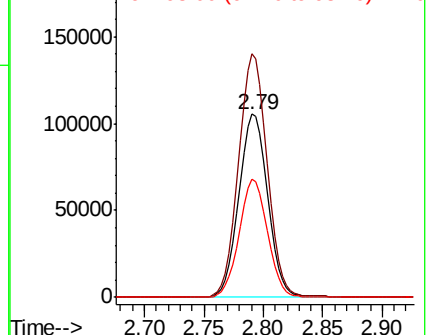
98 64.2 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV007339.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VV007339.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VV007339.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 51.156 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

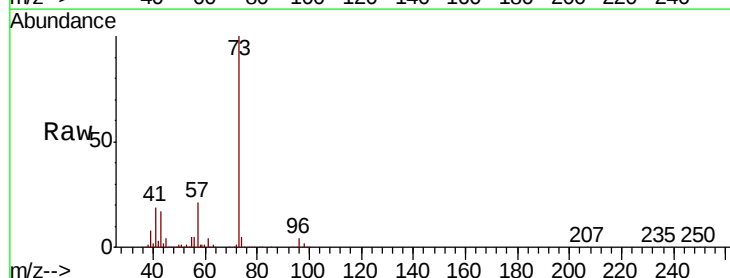
Tgt Ion: 73 Resp: 569425

Ion Ratio Lower Upper

73 100

43 16.8 13.4 20.2

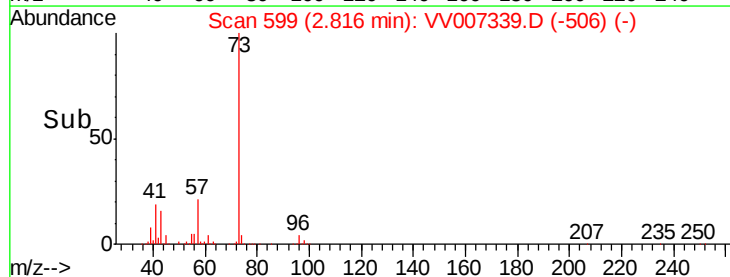
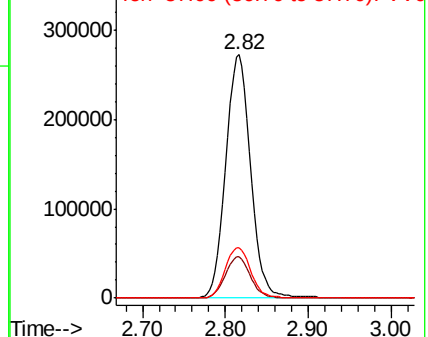
57 21.2 17.0 25.4

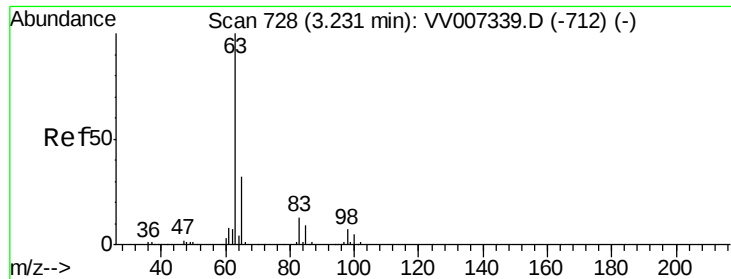


Abundance Ion 73.00 (72.70 to 73.70): VV007339.D (-581) (-)

Ion 43.00 (42.70 to 43.70): VV007339.D (-581) (-)

Ion 57.00 (56.70 to 57.70): VV007339.D (-581) (-)





#19

1,1-Dichloroethane

Concen: 51.574 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

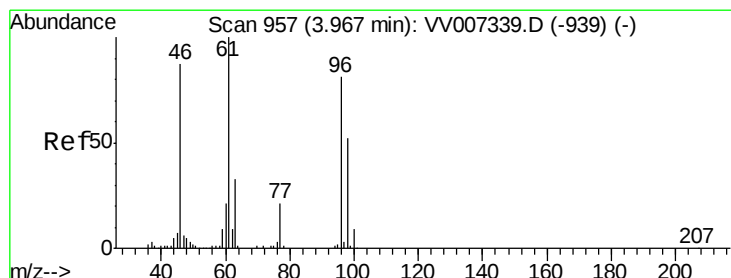
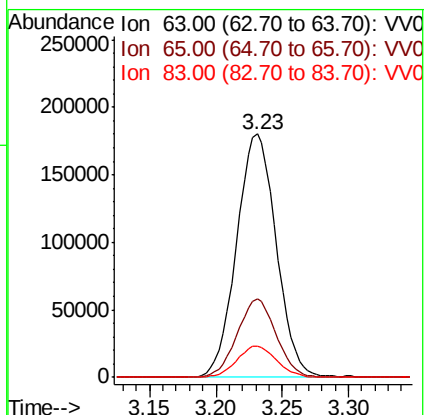
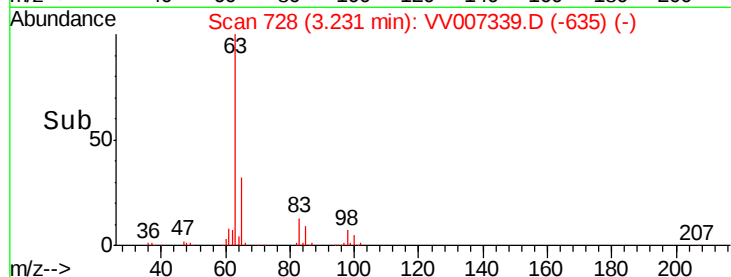
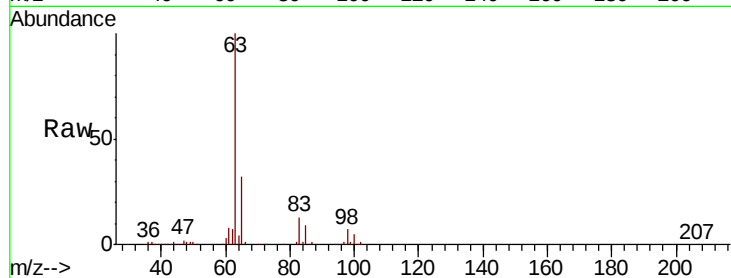
Tgt Ion: 63 Resp: 374696

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.9

83 12.9 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 50.245 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

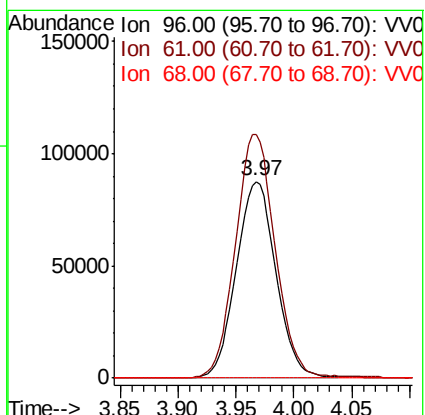
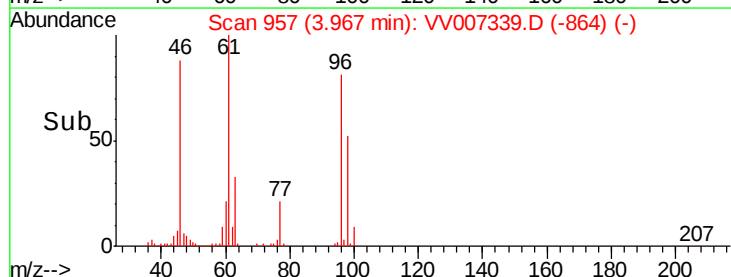
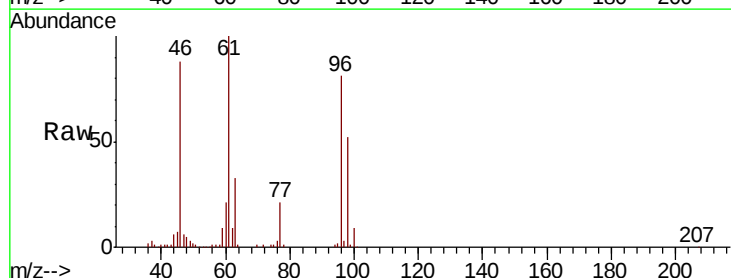
Tgt Ion: 96 Resp: 208832

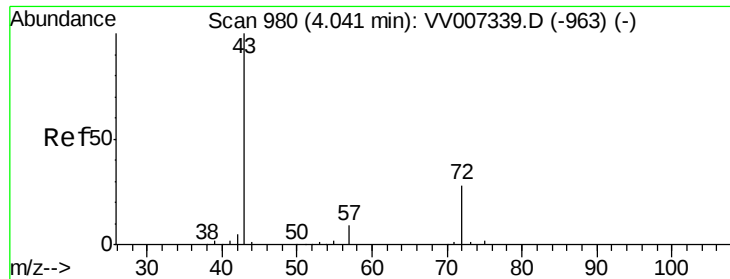
Ion Ratio Lower Upper

96 100

61 124.0 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.464 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

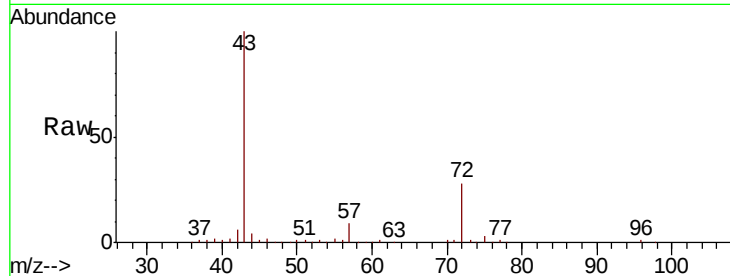
VSTD05062

Tgt Ion: 43 Resp: 309600

Ion Ratio Lower Upper

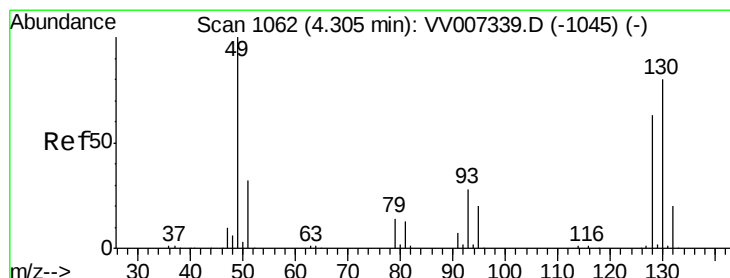
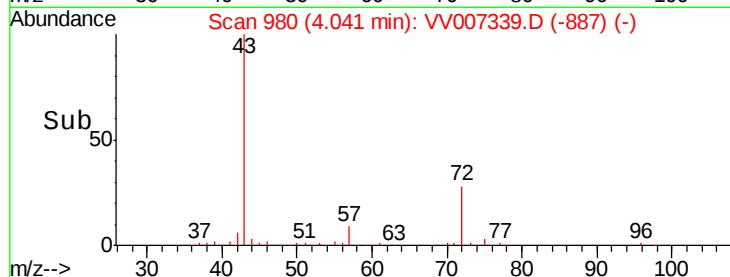
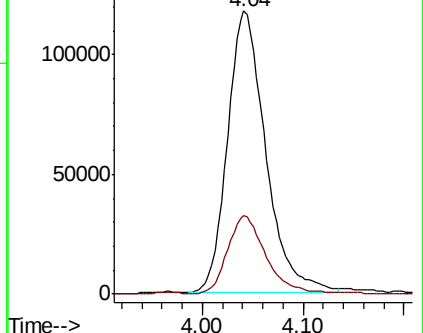
43 100

72 27.5 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-963) (-)

Ion 72.00 (71.70 to 72.70): VV007339.D (-963) (-)



#23

Bromochloromethane

Concen: 51.342 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Tgt Ion: 128 Resp: 110132

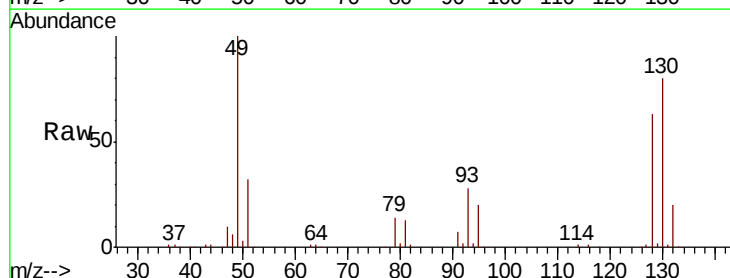
Ion Ratio Lower Upper

128 100

49 158.8 111.2 206.4

130 127.3 89.1 165.5

51 50.1 40.1 60.1

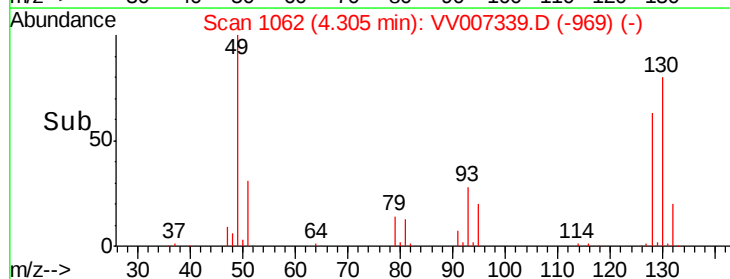
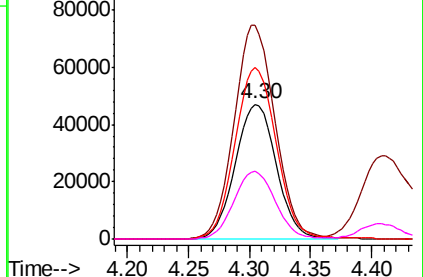


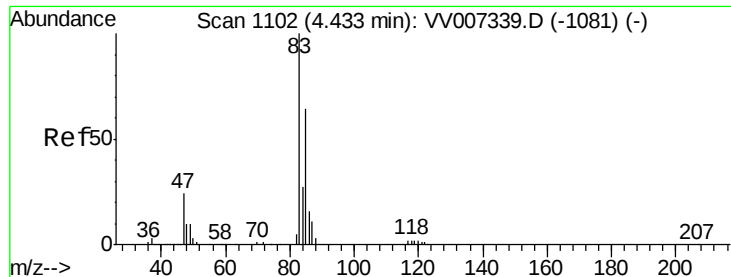
Abundance Ion 128.00 (127.70 to 128.70): VV007339.D (-1045) (-)

Ion 49.00 (48.70 to 49.70): VV007339.D (-1045) (-)

Ion 130.00 (129.70 to 130.70): VV007339.D (-1045) (-)

Ion 51.00 (50.70 to 51.70): VV007339.D (-1045) (-)

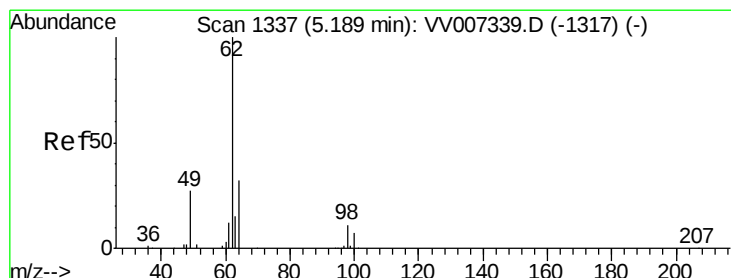
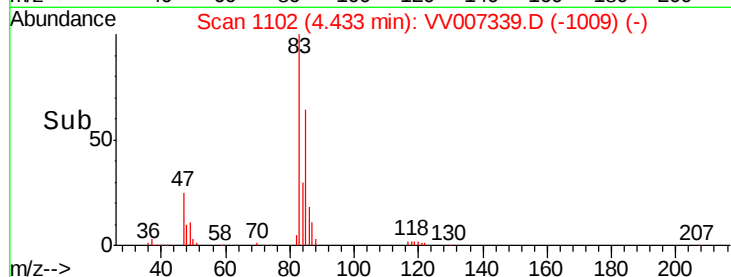
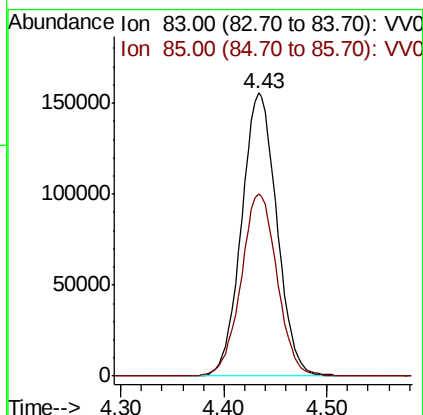
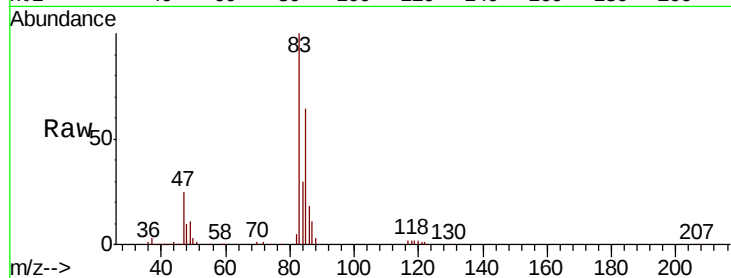




#25
Chloroform
Concen: 50.867 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

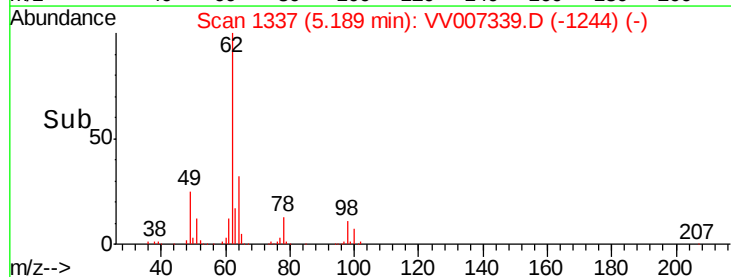
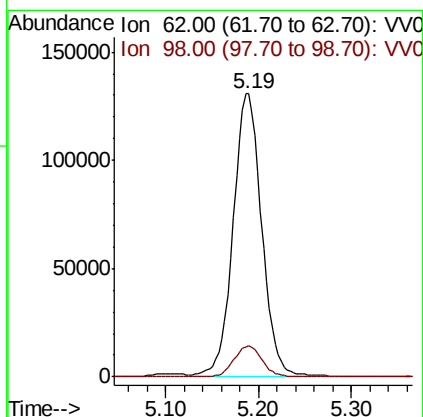
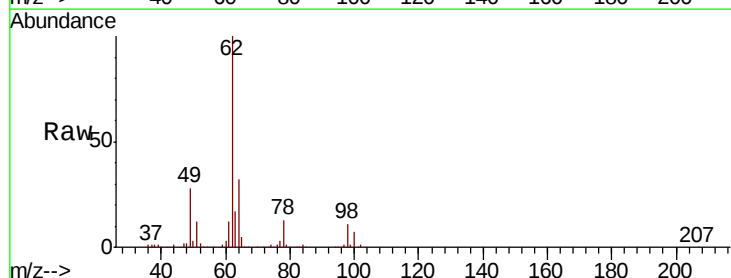
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

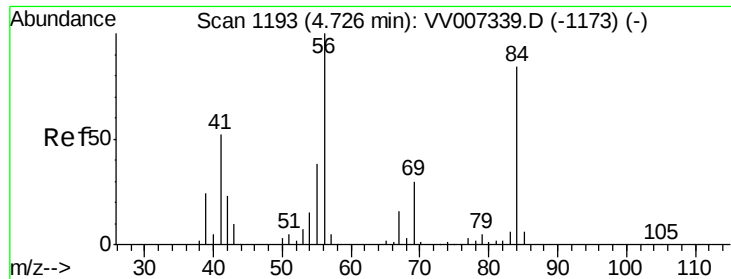
Tgt Ion: 83 Resp: 369507
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.344 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Tgt Ion: 62 Resp: 278756
Ion Ratio Lower Upper
62 100
98 10.8 8.6 13.0

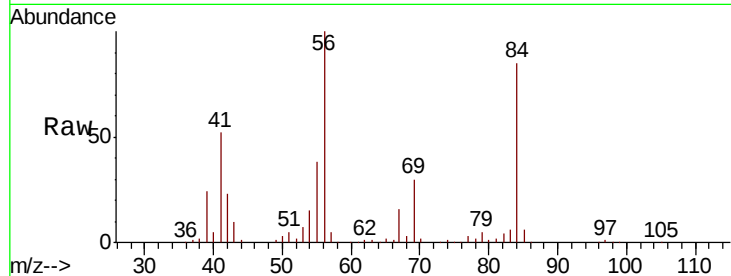




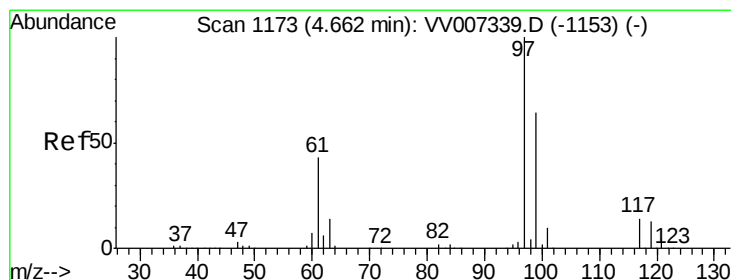
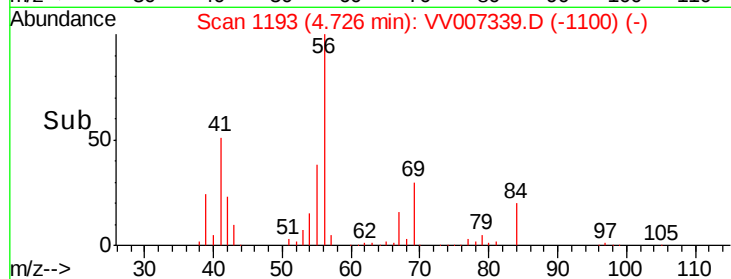
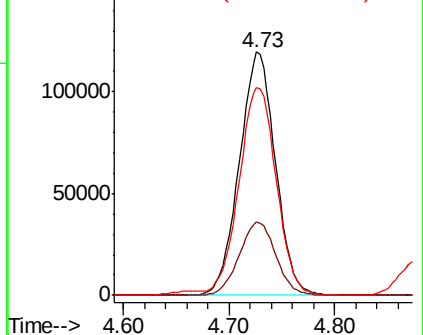
#29
Cyclohexane
Concen: 48.605 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tgt Ion: 56 Resp: 284018
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 88.2 70.6 105.8

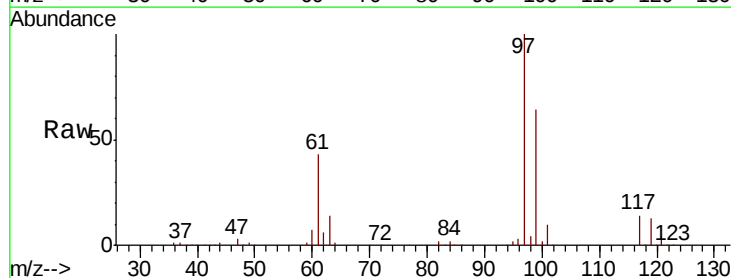


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

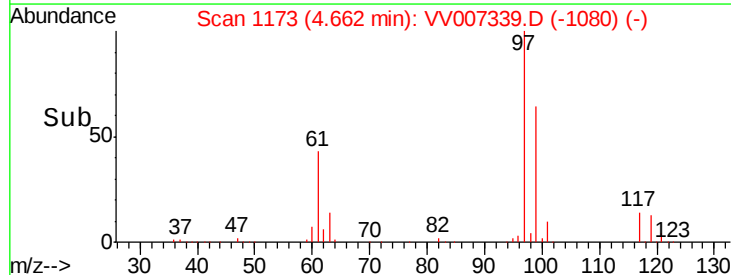
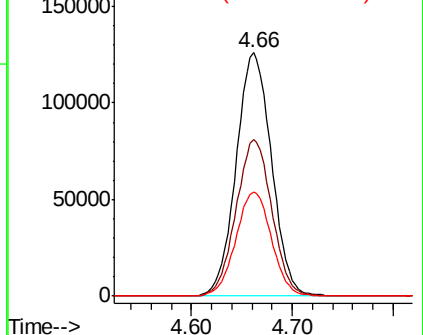


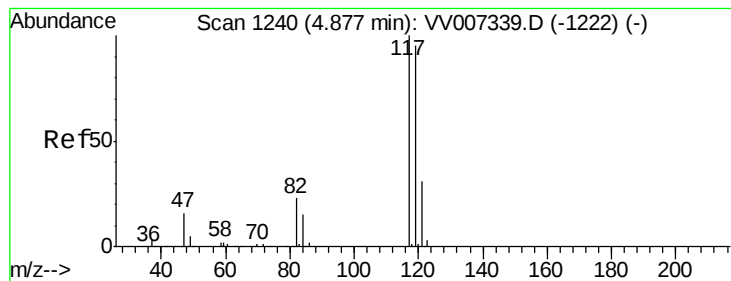
#30
1,1,1-Trichloroethane
Concen: 49.678 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Tgt Ion: 97 Resp: 306884
Ion Ratio Lower Upper
97 100
99 65.1 52.1 78.1
61 43.2 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.233 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

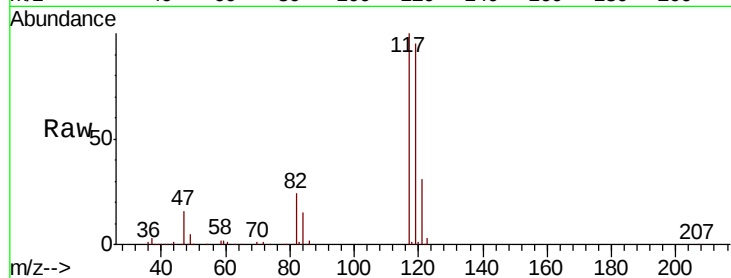
VSTD05062

Tgt Ion:117 Resp: 266620

Ion Ratio Lower Upper

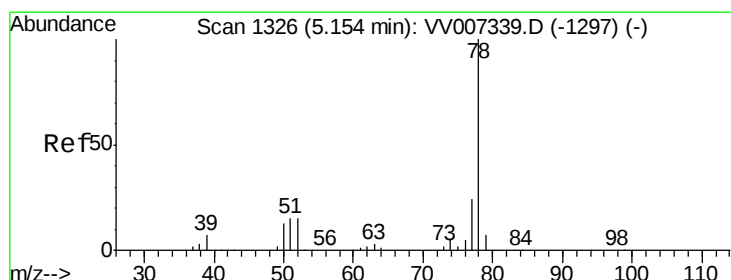
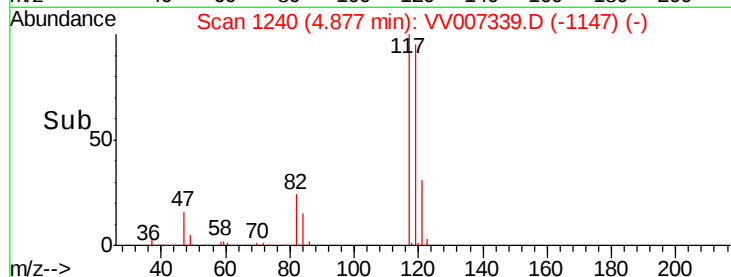
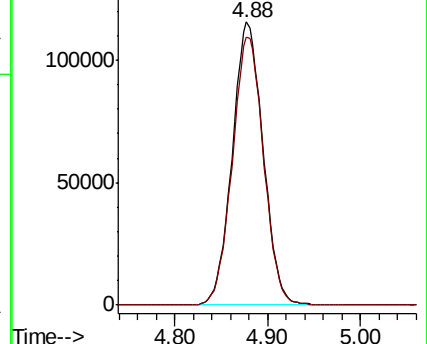
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.922 ug/L

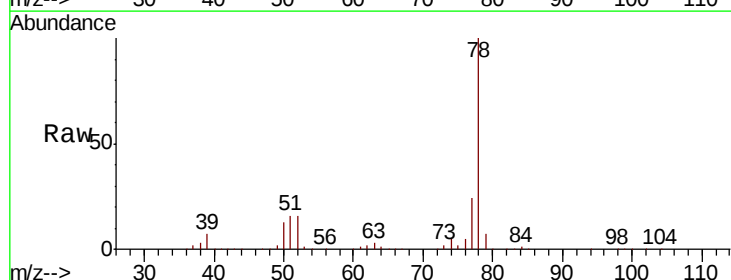
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

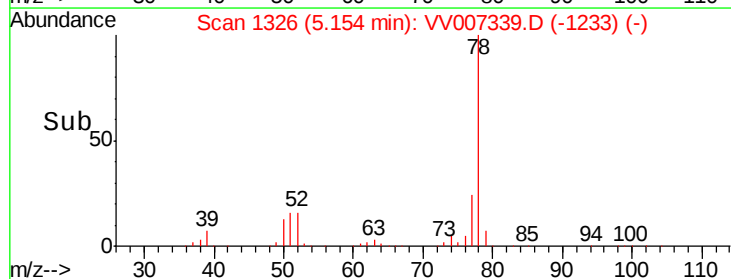
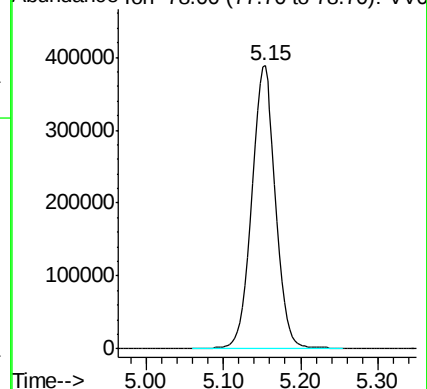
Lab File: VV007339.D

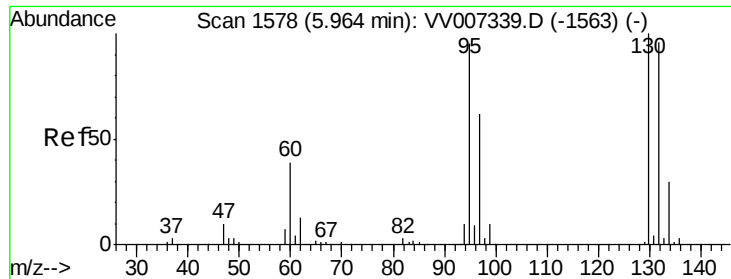
Acq: 04 Sep 2018 19:59

Tgt Ion: 78 Resp: 836085



Abundance Ion 78.00 (77.70 to 78.70): VV0

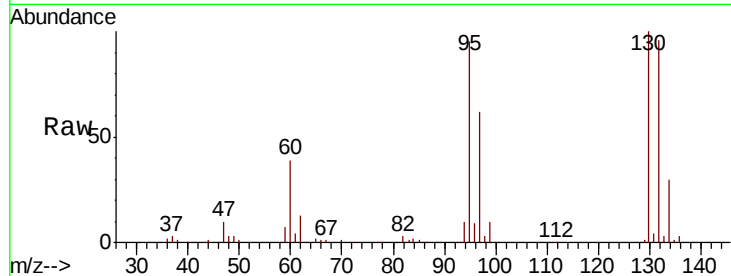




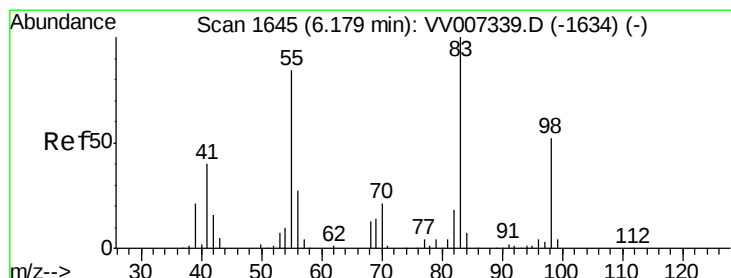
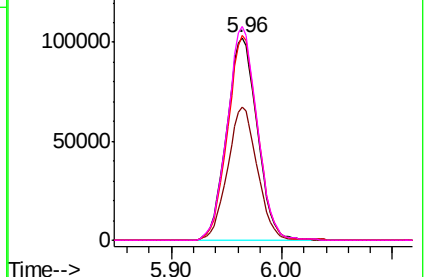
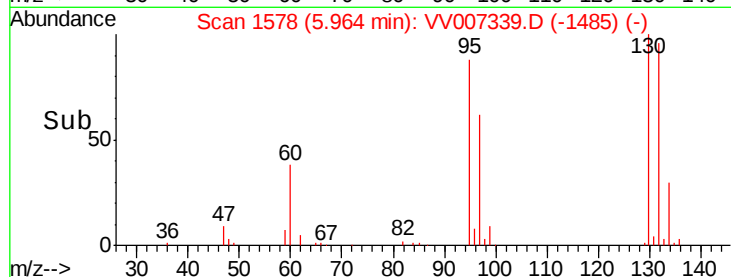
#34
 Trichloroethene
 Concen: 49.085 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion: 95 Resp: 196805
 Ion Ratio Lower Upper
 95 100
 97 65.9 46.1 85.7
 132 101.2 70.8 131.6
 130 105.6 73.9 137.3

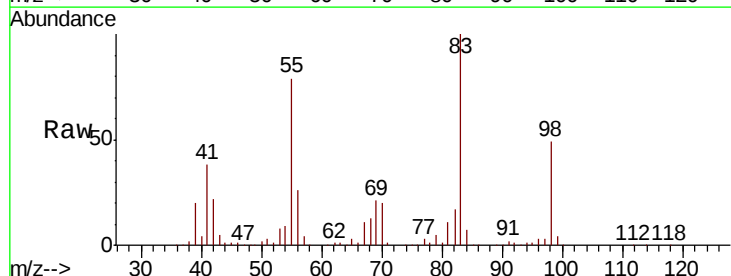


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

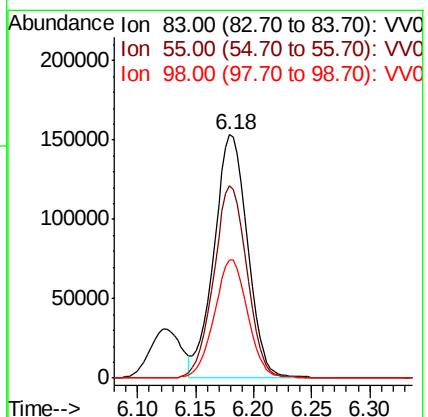
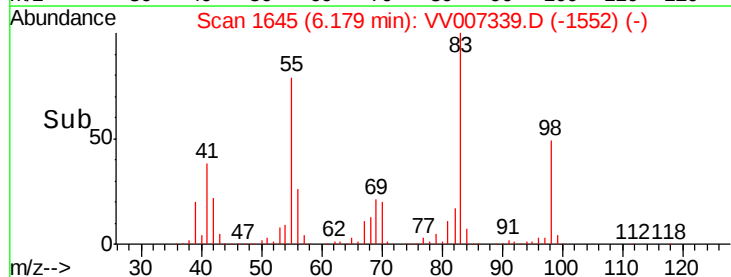


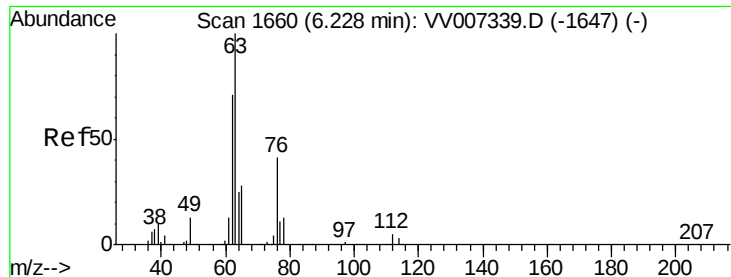
#35
 Methylcyclohexane
 Concen: 49.757 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Tgt Ion: 83 Resp: 308063
 Ion Ratio Lower Upper
 83 100
 55 78.7 63.0 94.4
 98 48.8 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 51.337 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

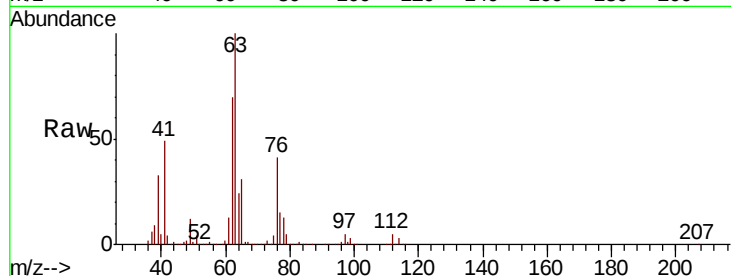
VSTD05062

Tgt Ion: 63 Resp: 223365

Ion Ratio Lower Upper

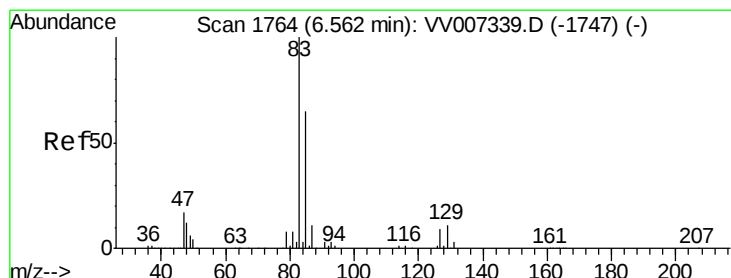
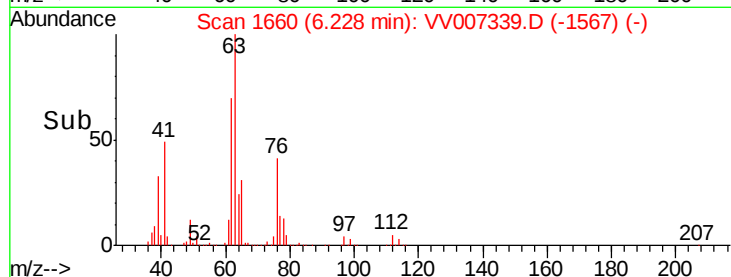
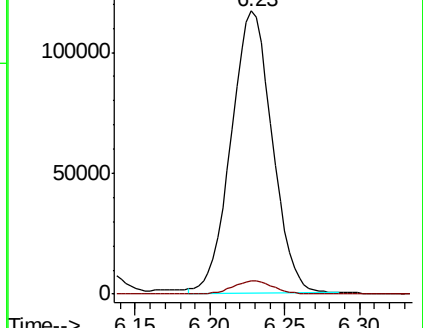
63 100

112 4.8 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV007339.D (-1647) (-)

Ion 112.00 (111.70 to 112.70): VV007339.D (-1647) (-)



#38

Bromodichloromethane

Concen: 49.923 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

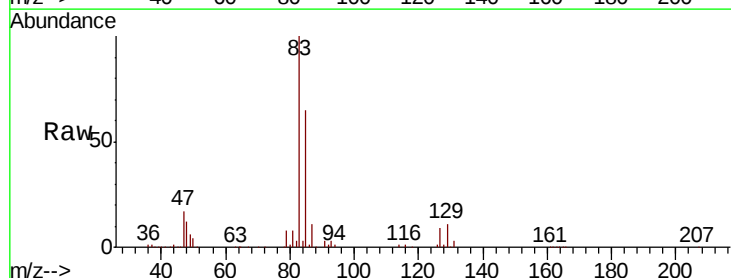
Tgt Ion: 83 Resp: 269133

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

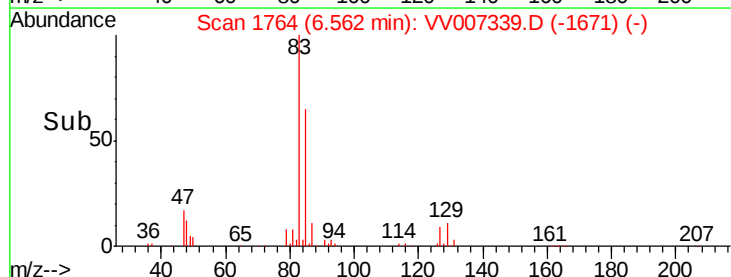
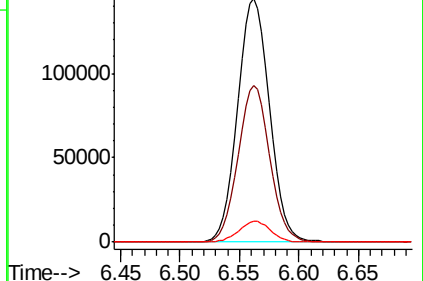
127 8.6 6.9 10.3

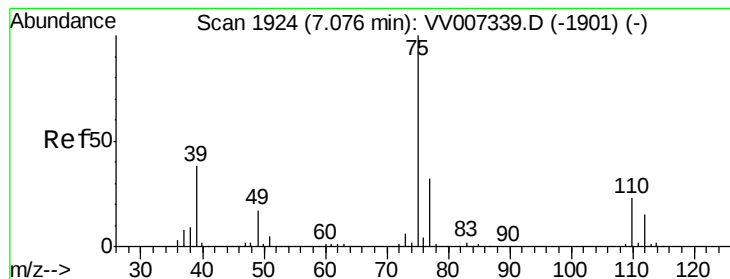


Abundance Ion 83.00 (82.70 to 83.70): VV007339.D (-1747) (-)

Ion 85.00 (84.70 to 85.70): VV007339.D (-1747) (-)

Ion 127.00 (126.70 to 127.70): VV007339.D (-1747) (-)



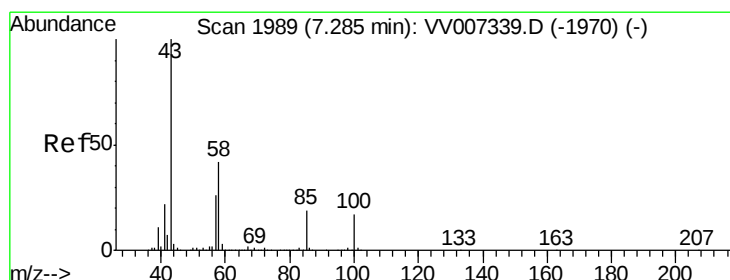
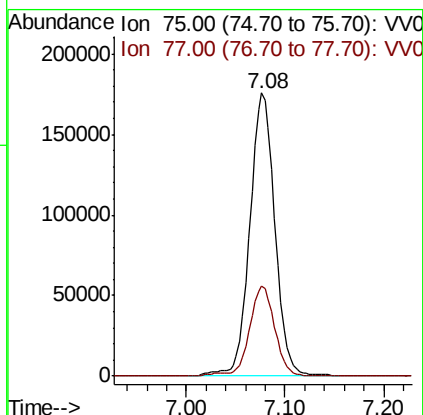
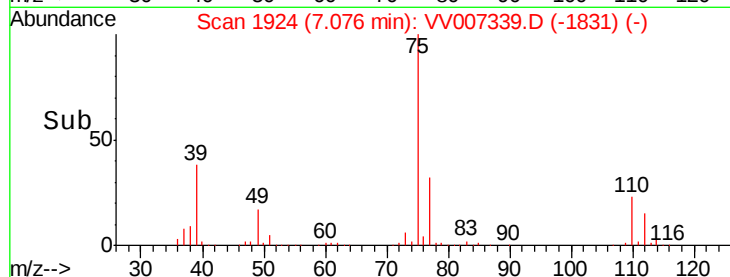
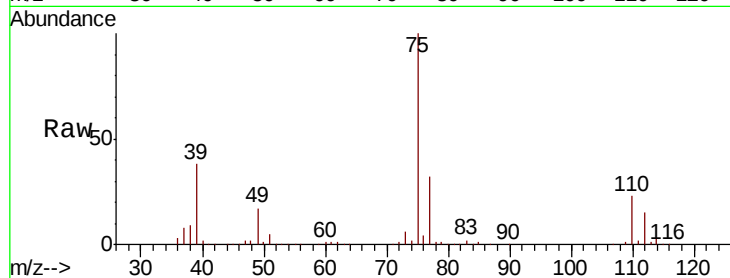


#39

cis-1,3-Dichloropropene
 Concen: 49.438 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

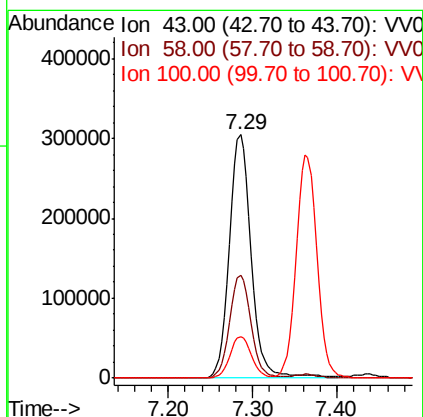
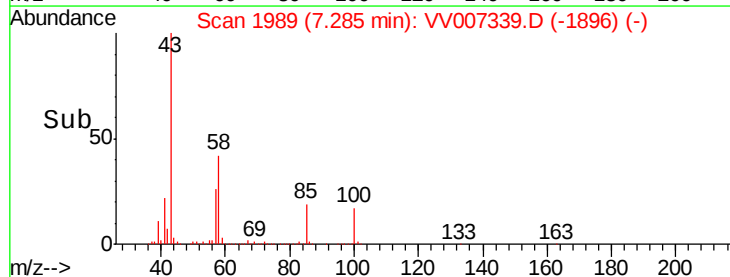
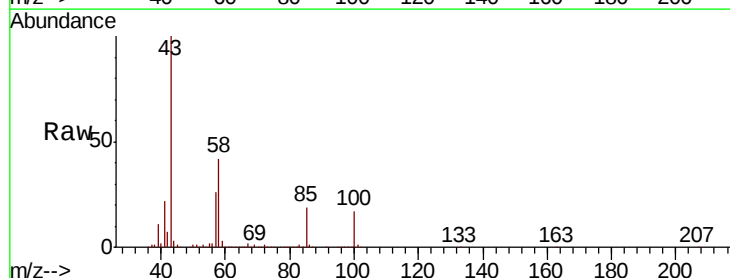
Tgt Ion: 75 Resp: 308758
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

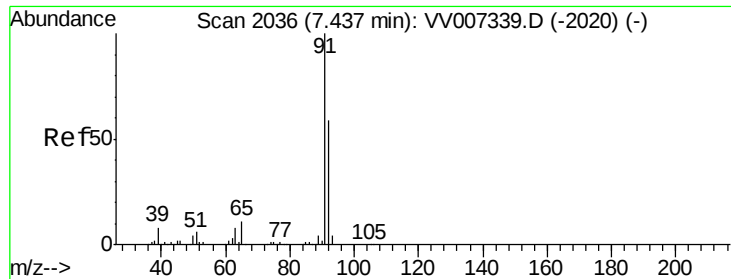


#40

4-Methyl-2-pentanone
 Concen: 105.473 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Tgt Ion: 43 Resp: 550774
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.9 49.3
 100 16.6 13.3 19.9





#42

Toluene

Concen: 52.515 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampled :

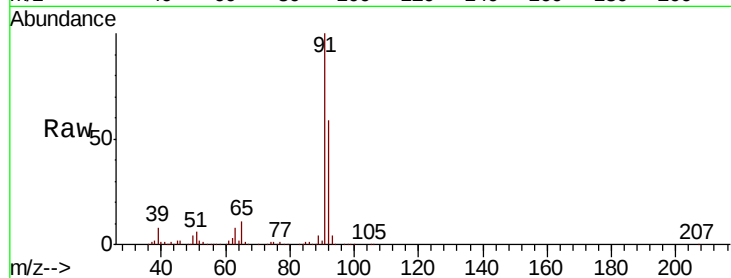
VSTD05062

Tgt Ion: 91 Resp: 845116

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV007339.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VV007339.D (-2020) (-)

7.44

500000

400000

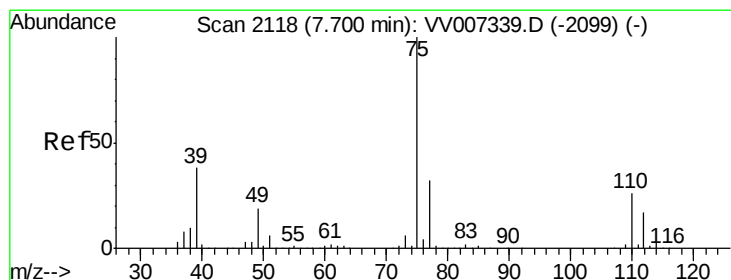
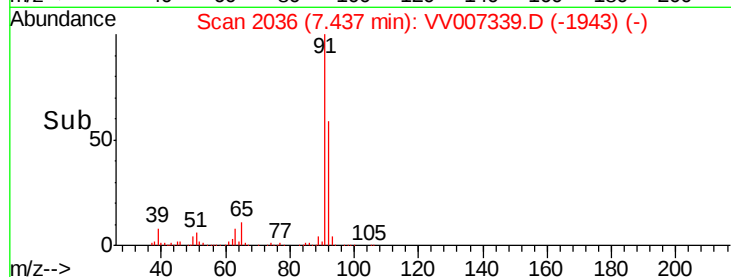
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.465 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007339.D

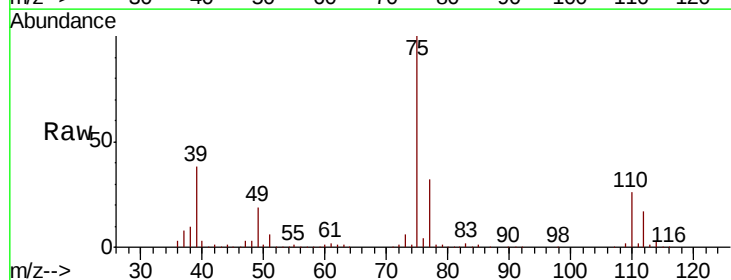
Acq: 04 Sep 2018 19:59

Tgt Ion: 75 Resp: 284051

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV007339.D (-2099) (-)

Ion 77.00 (76.70 to 77.70): VV007339.D (-2099) (-)

7.70

200000

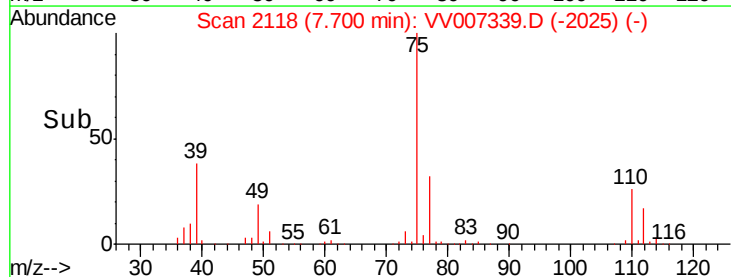
150000

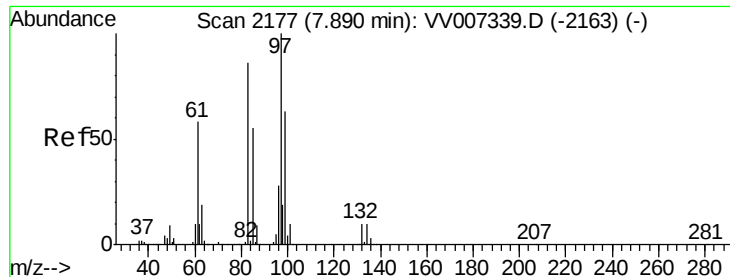
100000

50000

0

Time-->

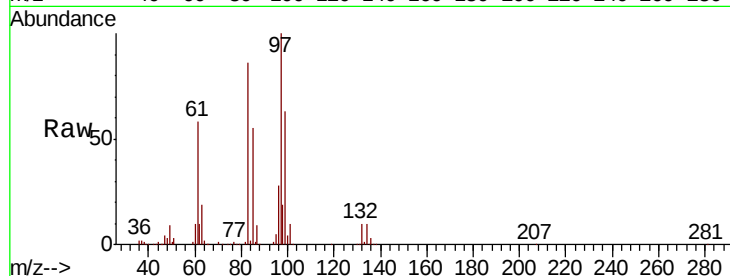




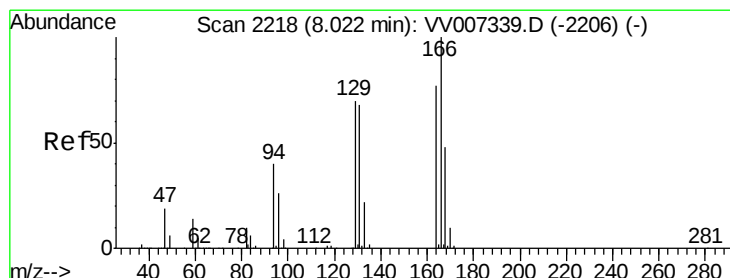
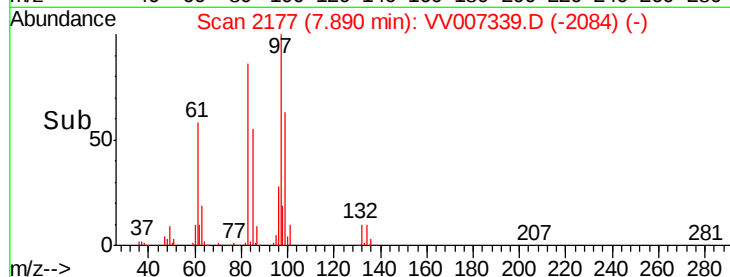
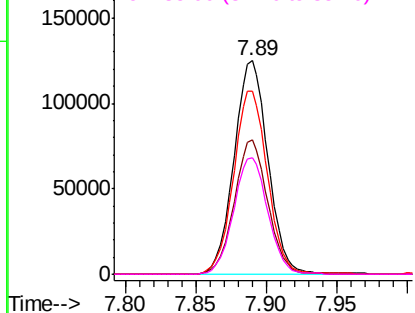
#45
 1,1,2-Trichloroethane
 Concen: 50.685 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion:	97	Resp:	210032
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	85.8	60.1	111.5
85	54.8	38.4	71.2

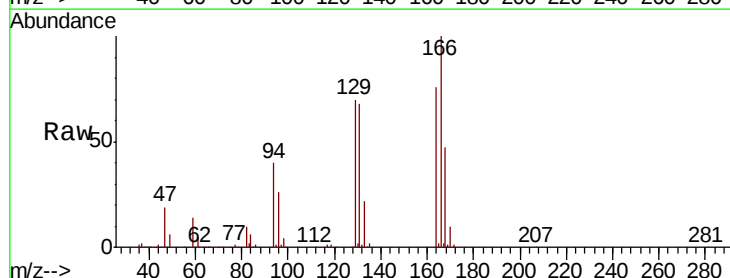


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

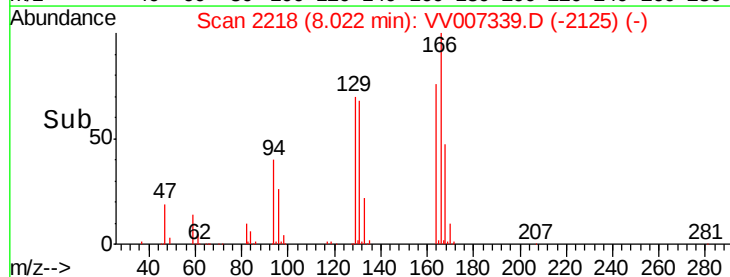
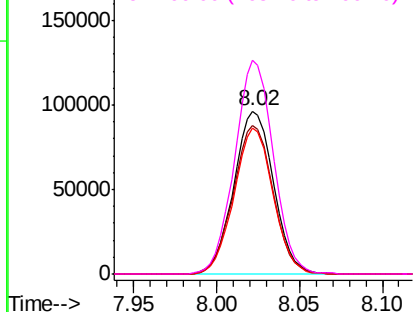


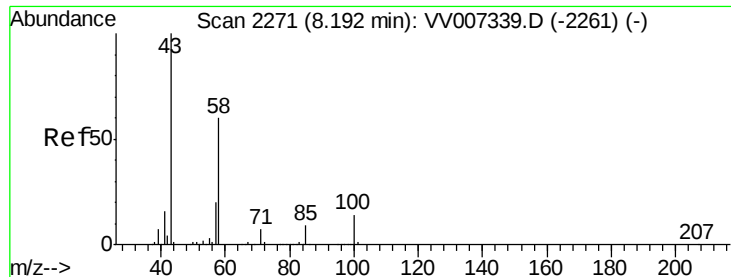
#46
 Tetrachloroethene
 Concen: 49.767 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Tgt Ion:	164	Resp:	160802
Ion	Ratio	Lower	Upper
164	100		
129	91.3	63.9	118.7
131	89.4	62.6	116.2
166	130.9	91.6	170.2



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

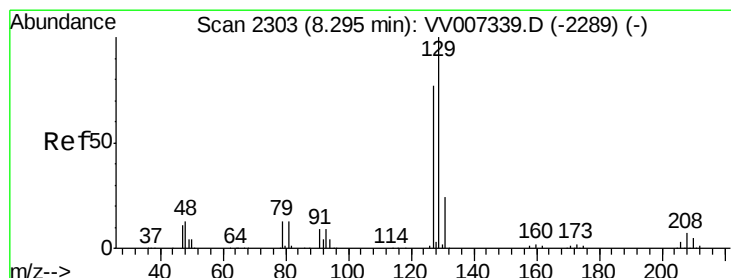
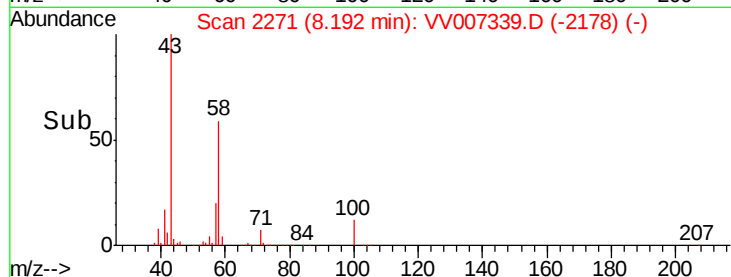
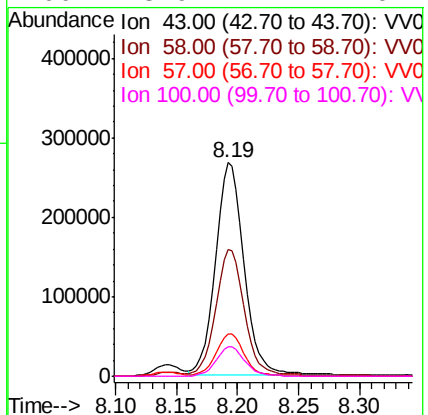
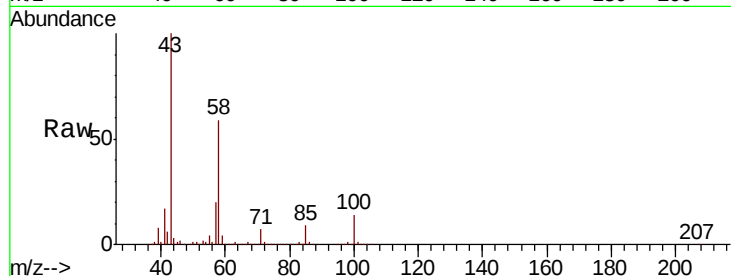




#48
2-Hexanone
Concen: 106.546 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

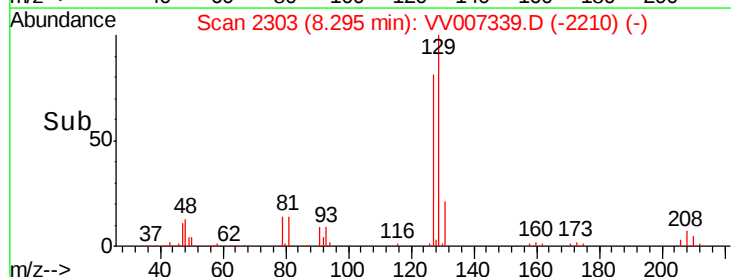
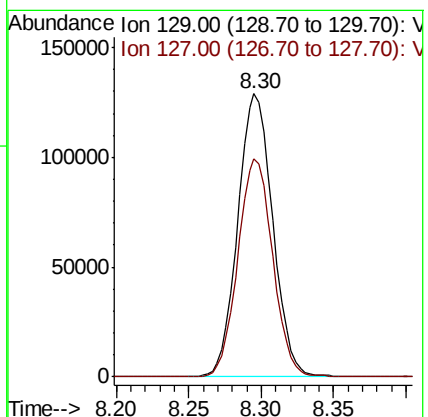
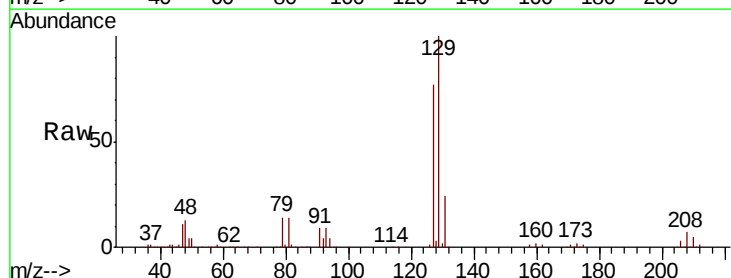
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

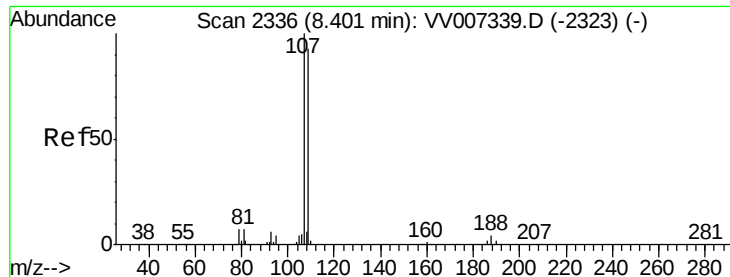
Tgt Ion:	43	Resp:	440737
Ion	Ratio	Lower	Upper
43	100		
58	60.7	48.6	72.8
57	20.2	16.2	24.2
100	13.9	11.1	16.7



#49
Dibromochloromethane
Concen: 50.054 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Tgt Ion:	129	Resp:	216041
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.0	100.4

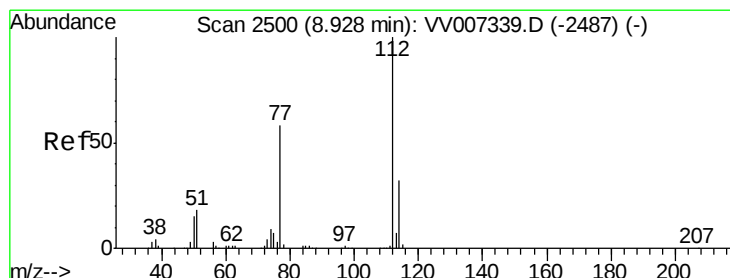
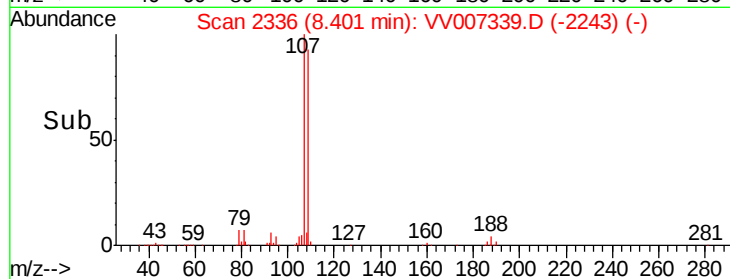
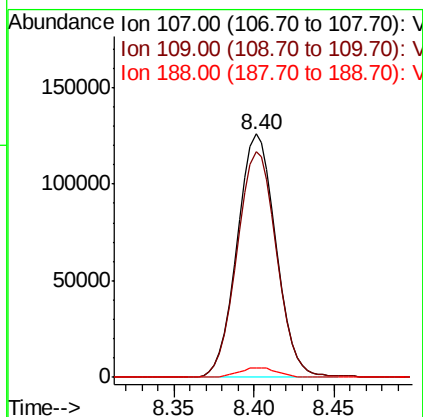
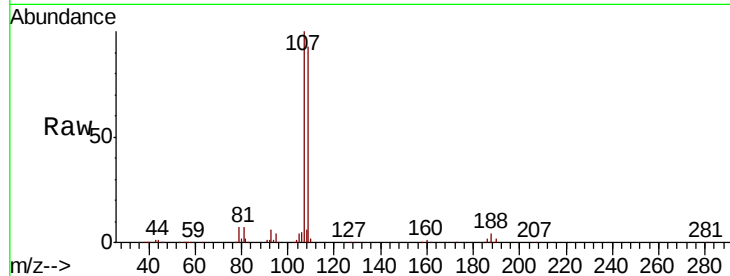




#50
1,2-Dibromoethane
Concen: 50.790 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

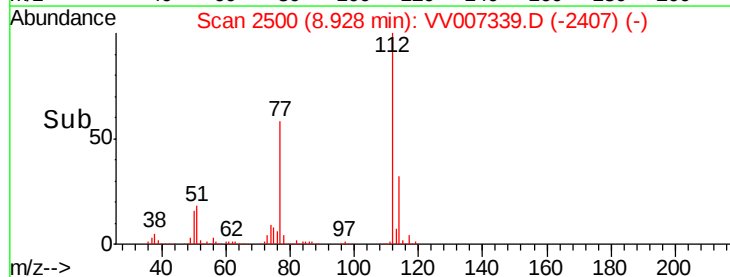
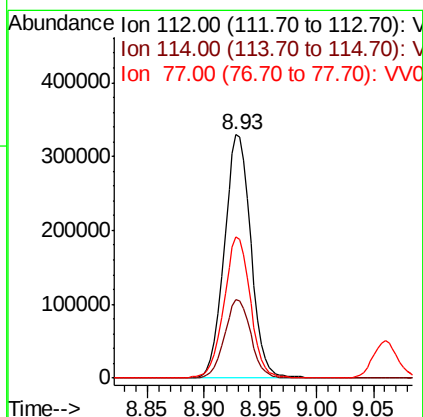
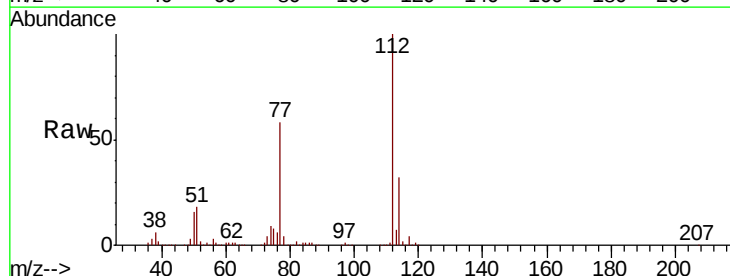
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

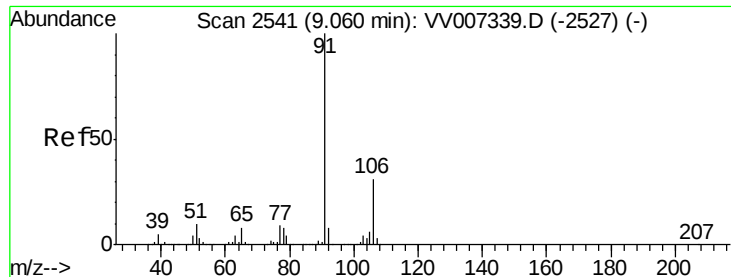
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	64.8	120.3
188	3.9	3.1	4.7



#51
Chlorobenzene
Concen: 50.339 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	58.1	46.5	69.7





#52

Ethylbenzene

Concen: 51.389 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

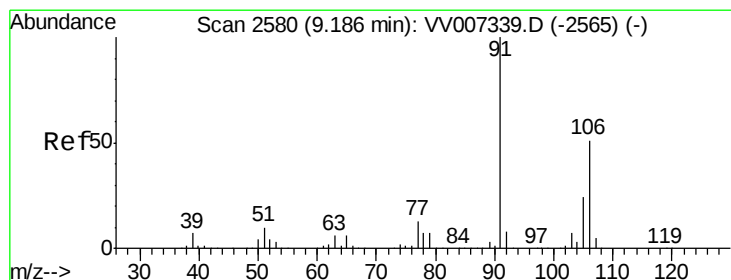
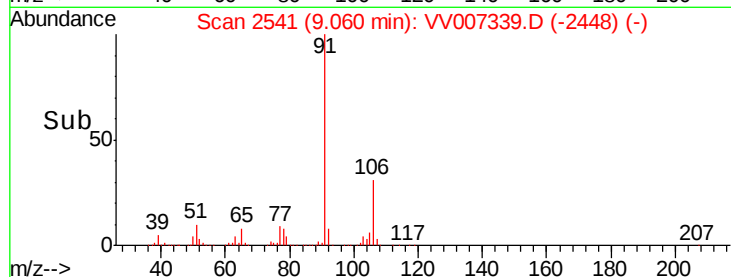
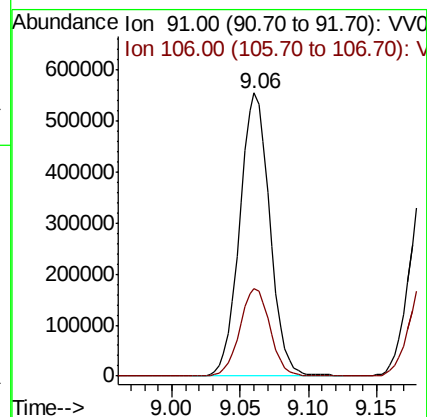
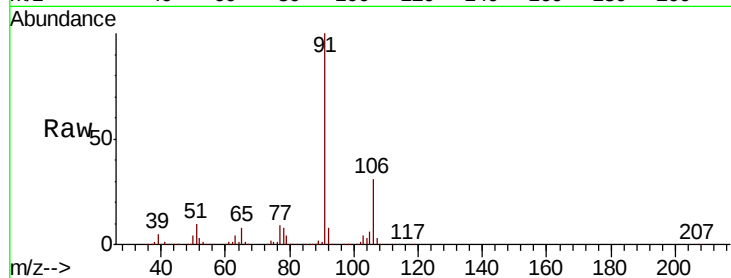
VSTD05062

Tgt Ion: 91 Resp: 850211

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 53.314 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007339.D

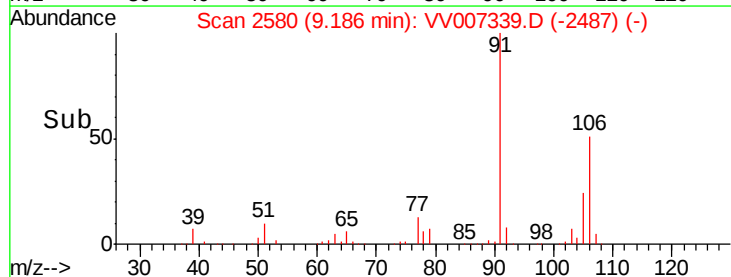
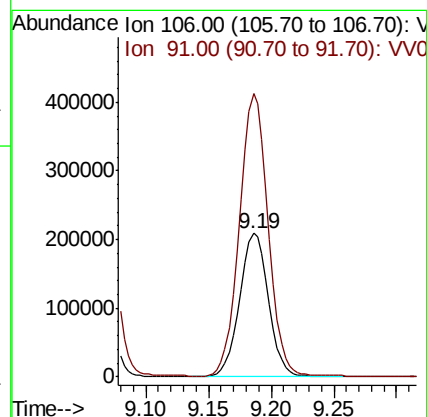
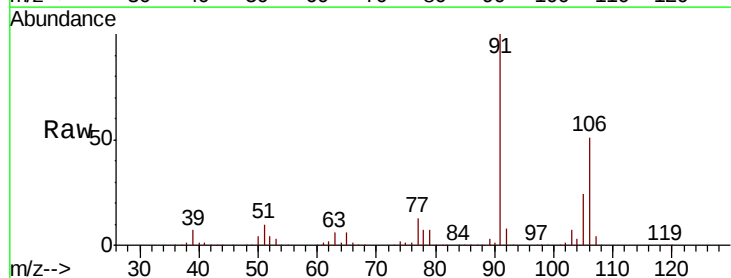
Acq: 04 Sep 2018 19:59

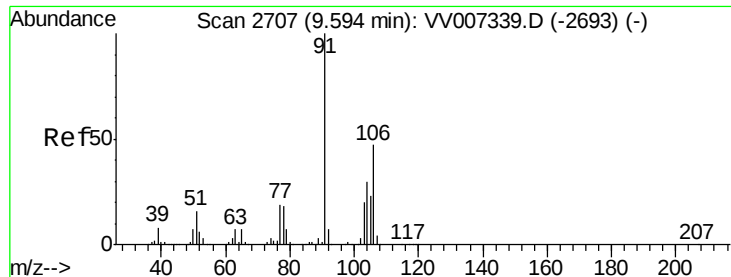
Tgt Ion: 106 Resp: 332262

Ion Ratio Lower Upper

106 100

91 197.1 138.0 256.2

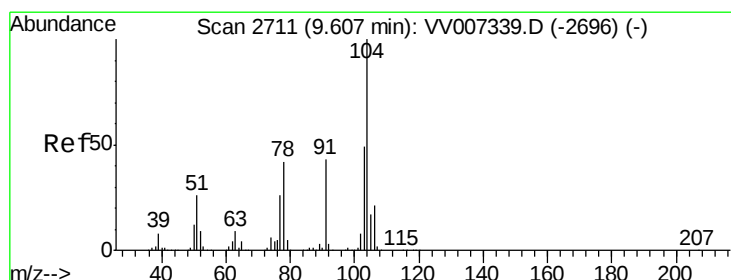
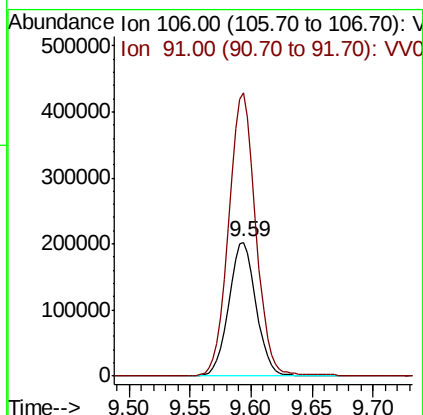
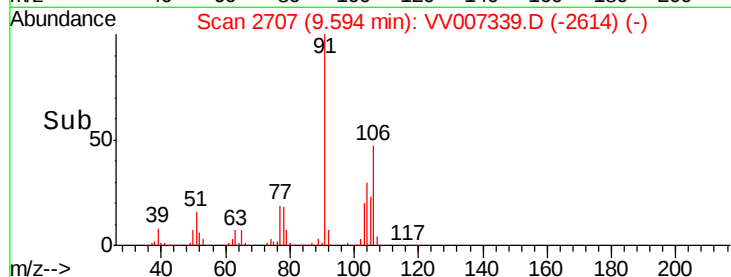
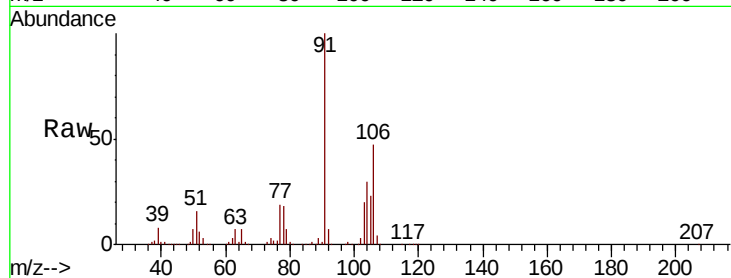




#54
o-xylene
Concen: 52.485 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

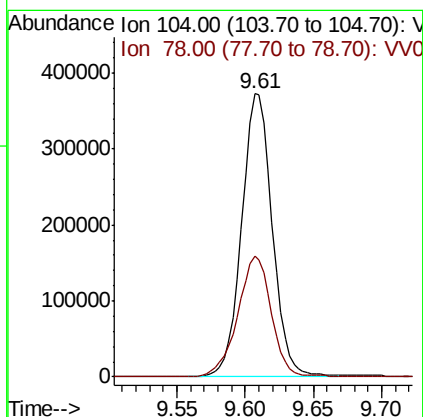
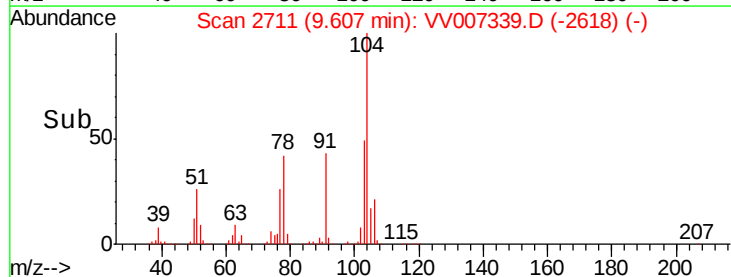
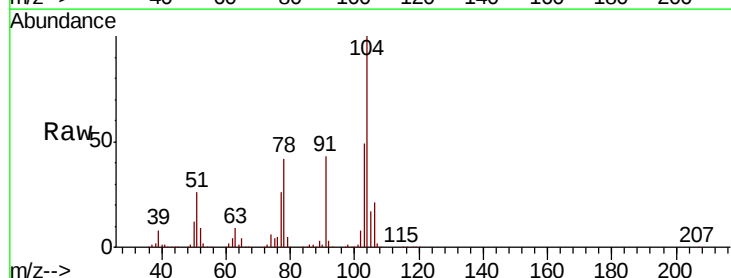
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

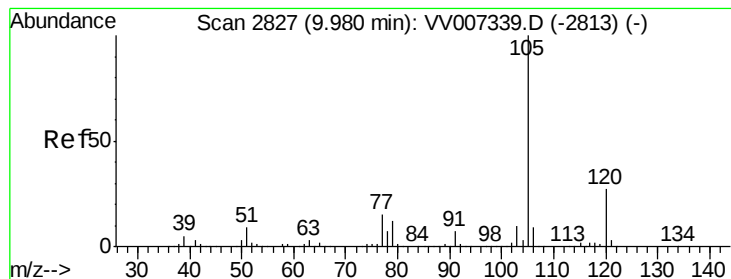
Tgt Ion:106 Resp: 318465
Ion Ratio Lower Upper
106 100
91 210.9 147.6 274.2



#55
Styrene
Concen: 55.152 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: VV007339.D
Acq: 04 Sep 2018 19:59

Tgt Ion:104 Resp: 582025
Ion Ratio Lower Upper
104 100
78 42.5 29.8 55.3





#56

Isopropylbenzene

Concen: 52.300 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

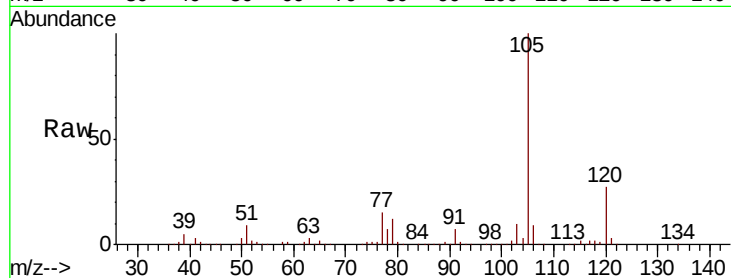
Tgt Ion:105 Resp: 811570

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

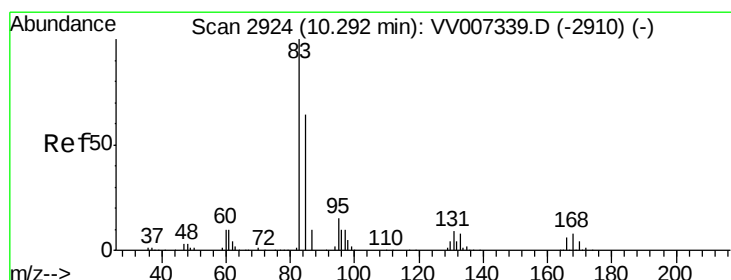
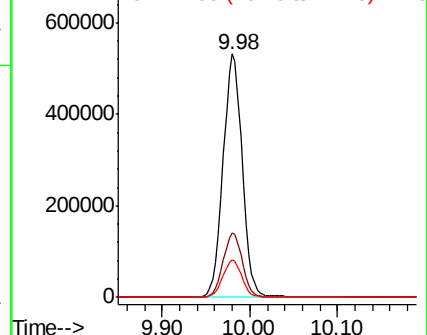
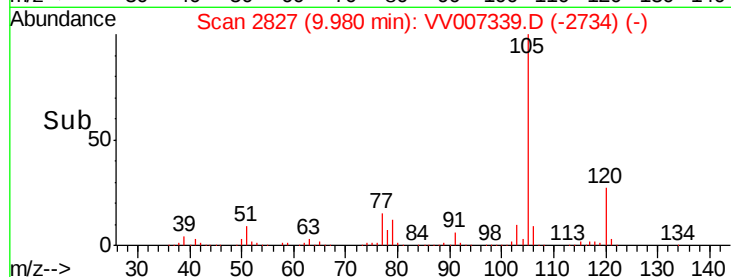
77 15.0 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.207 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

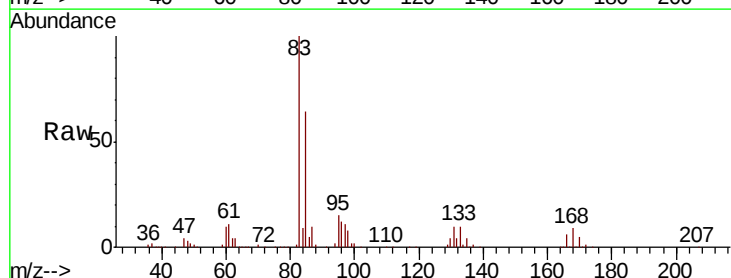
Tgt Ion: 83 Resp: 338868

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

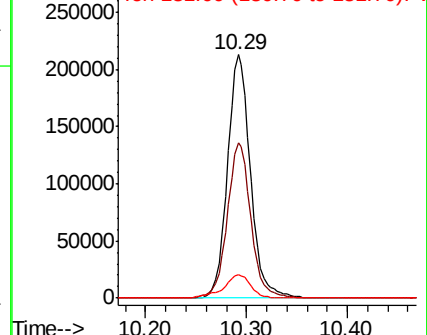
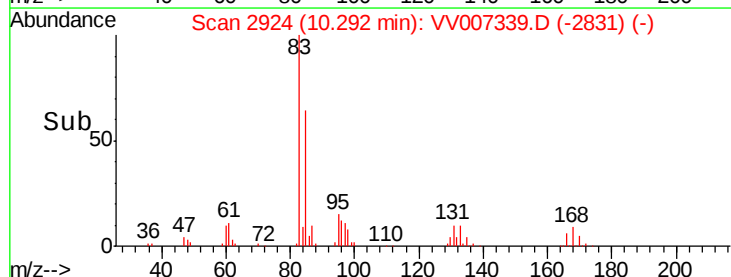
131 9.7 7.8 11.6

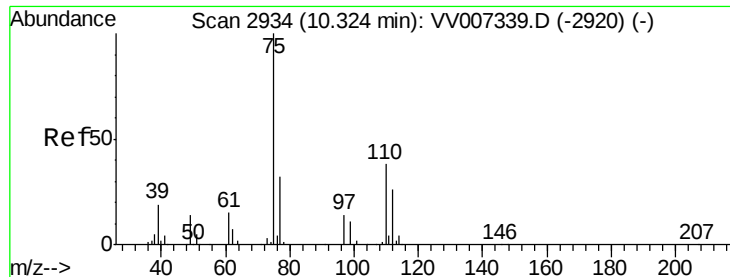


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.076 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

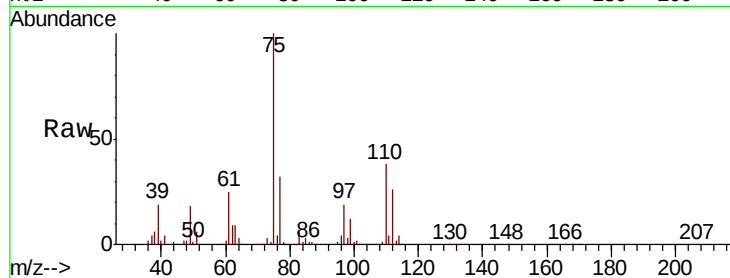
VSTD05062

Tgt Ion: 75 Resp: 271498

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV007339.D (-2920) (-)

Ion 77.00 (76.70 to 77.70): VV007339.D (-2920) (-)

10.32

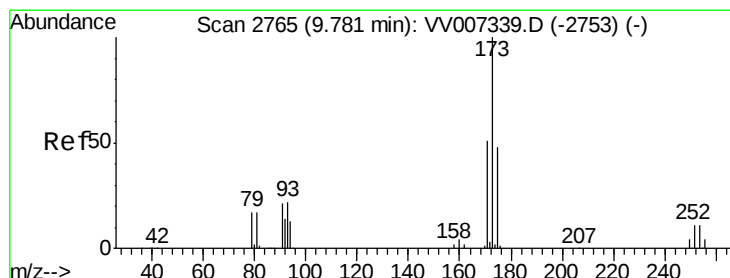
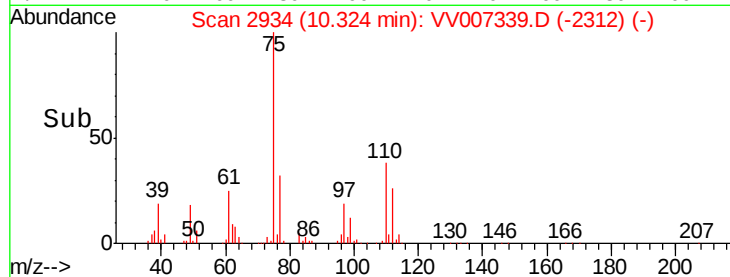
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.026 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

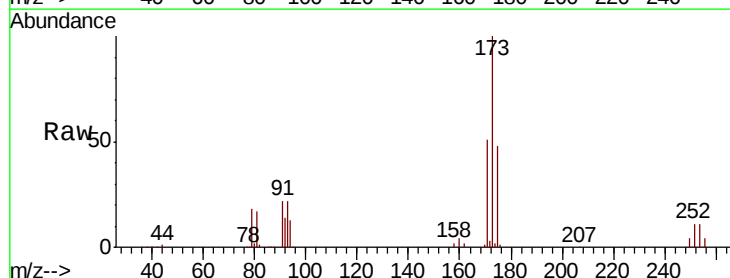
Tgt Ion: 173 Resp: 158697

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 11.6 9.3 13.9



Abundance Ion 173.00 (172.70 to 173.70): VV007339.D (-2753) (-)

Ion 175.00 (174.70 to 175.70): VV007339.D (-2753) (-)

Ion 254.00 (253.70 to 254.70): VV007339.D (-2753) (-)

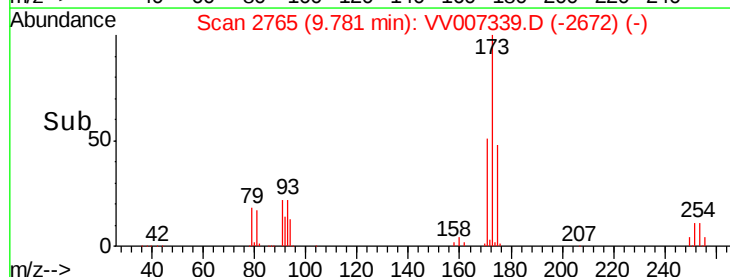
9.78

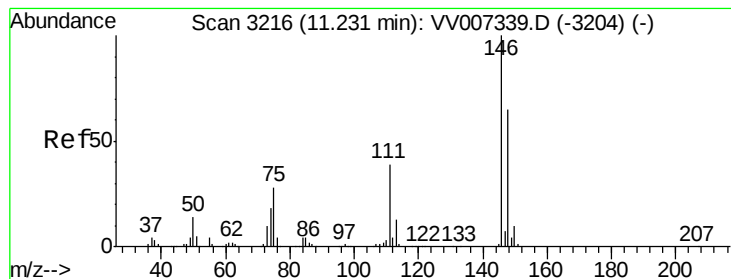
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.791 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

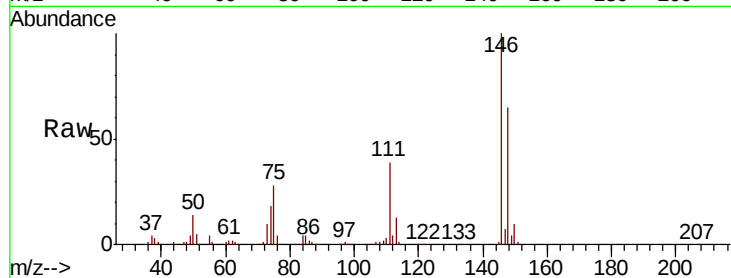
Tgt Ion:146 Resp: 369819

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

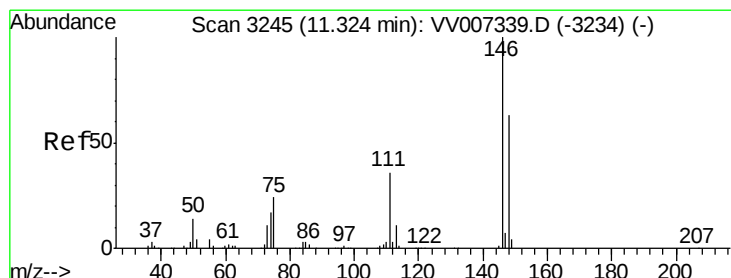
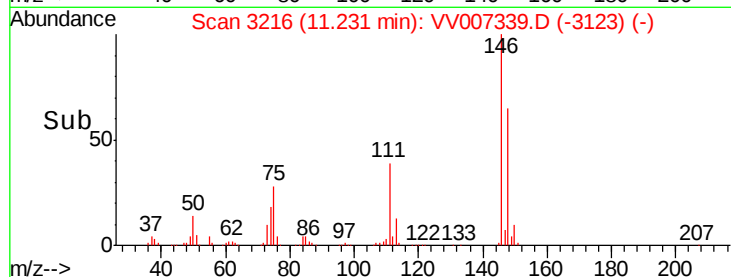
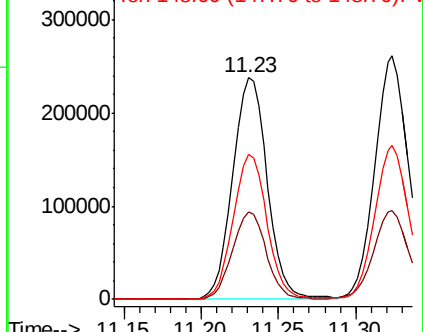
148 65.3 45.7 84.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.550 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

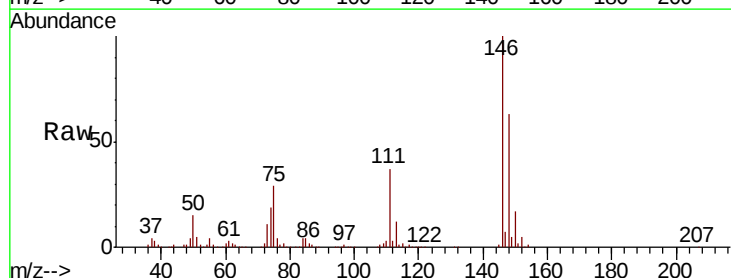
Tgt Ion:146 Resp: 402774

Ion Ratio Lower Upper

146 100

111 36.6 25.6 47.6

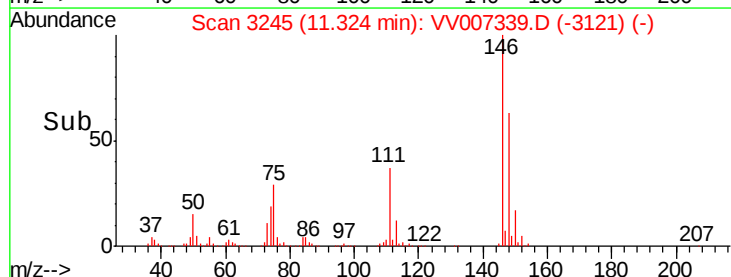
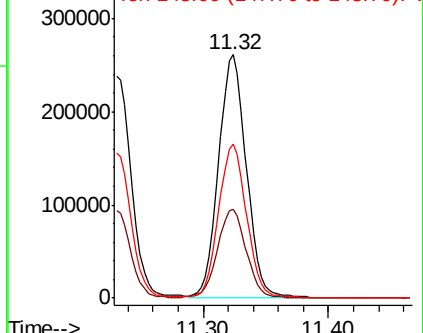
148 63.1 44.2 82.0

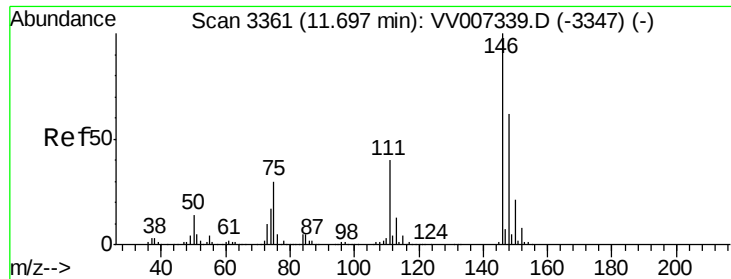


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

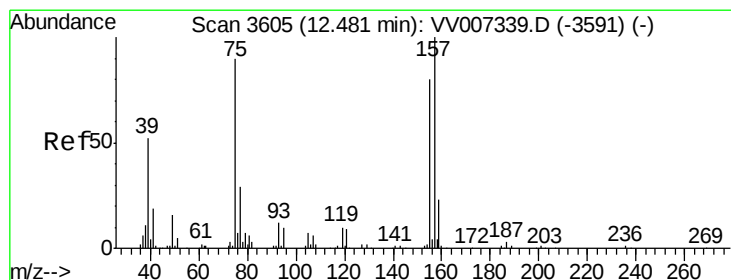
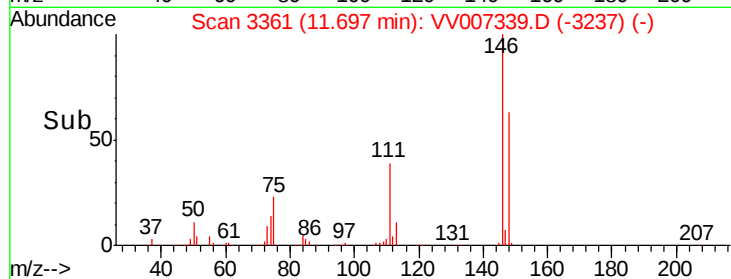
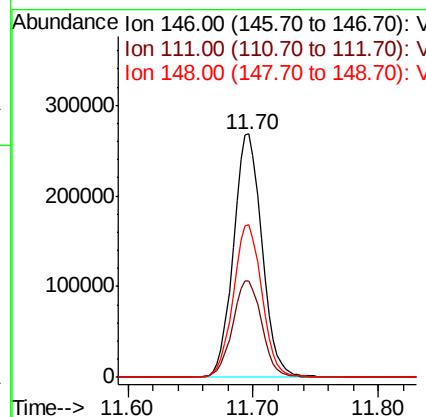
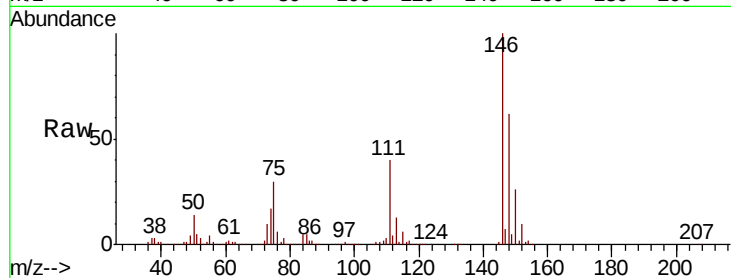




#65
 1,2-Dichlorobenzene
 Concen: 51.311 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

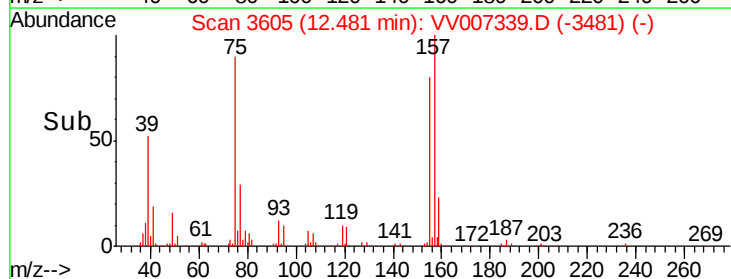
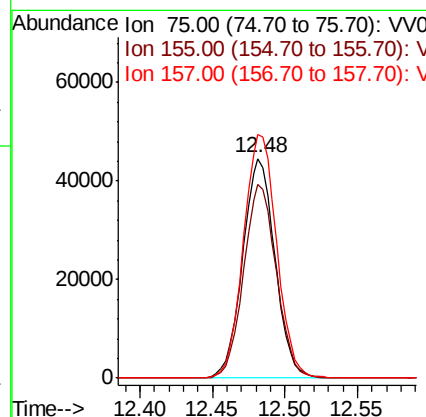
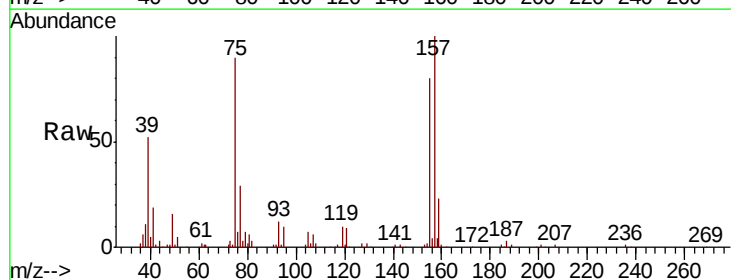
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

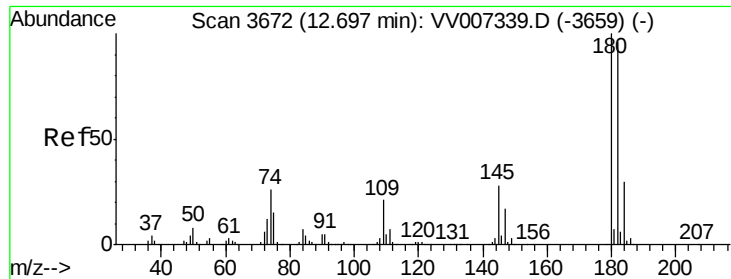
Tgt Ion:146 Resp: 424197
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.7 47.5
 148 62.5 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.328 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Tgt Ion: 75 Resp: 68983
 Ion Ratio Lower Upper
 75 100
 155 88.2 70.6 105.8
 157 110.7 88.6 132.8

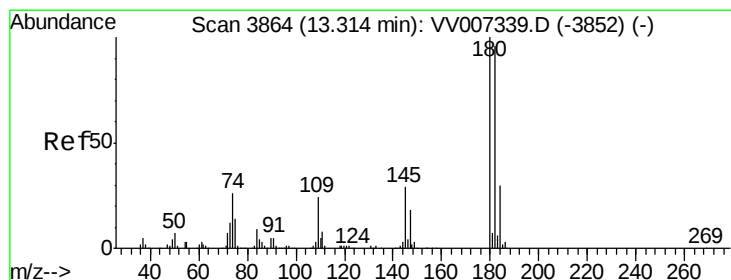
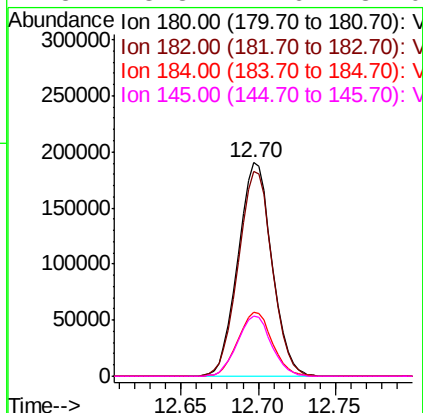
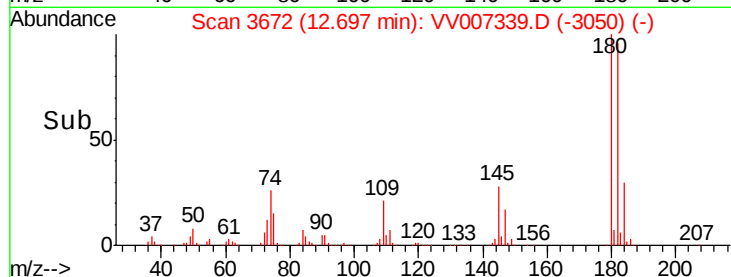
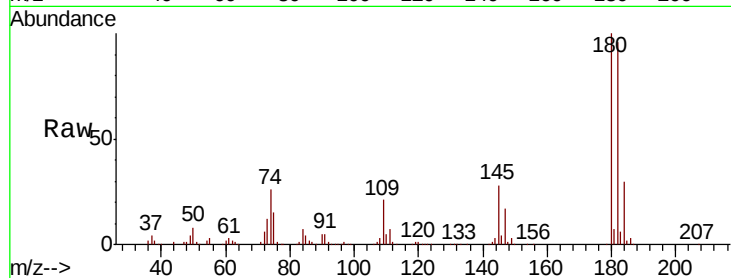




#67
 1,3,5-Trichlorobenzene
 Concen: 50.291 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

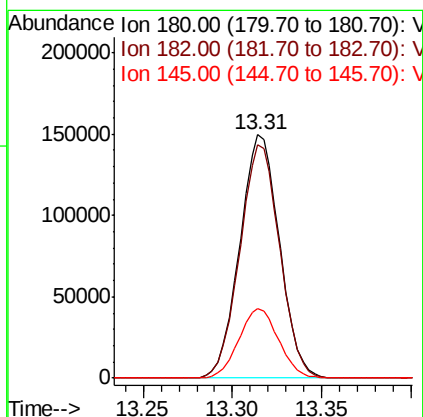
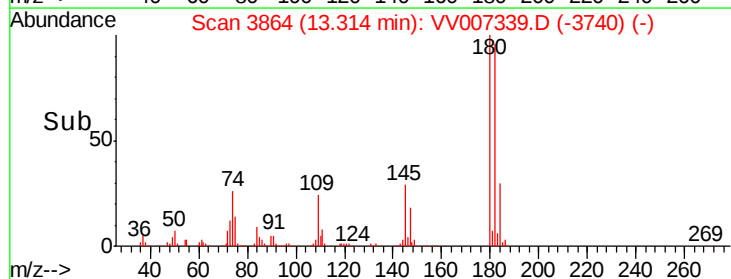
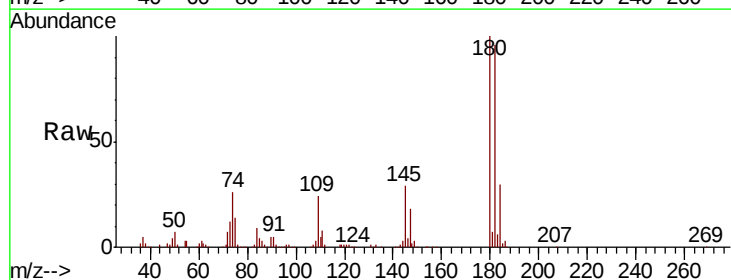
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

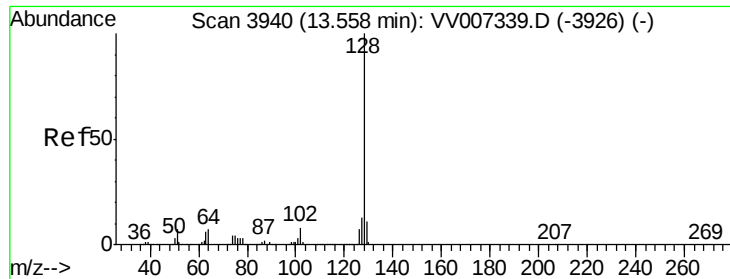
Tgt Ion:	180	Resp:	291143
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.2	24.2	36.2
145	28.3	22.6	34.0



#68
 1,2,4-trichlorobenzene
 Concen: 50.907 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007339.D
 Acq: 04 Sep 2018 19:59

Tgt Ion:	180	Resp:	232999
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	28.6	22.9	34.3





#69

Naphthalene

Concen: 53.455 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

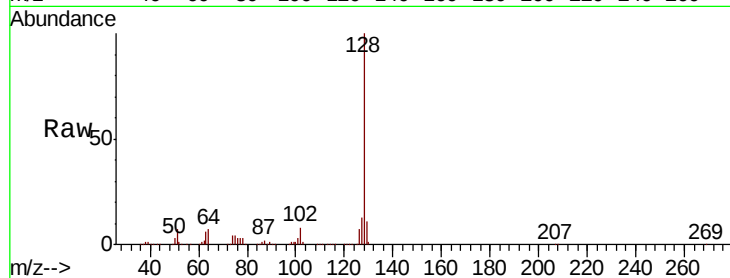
Tgt Ion:128 Resp: 694337

Ion Ratio Lower Upper

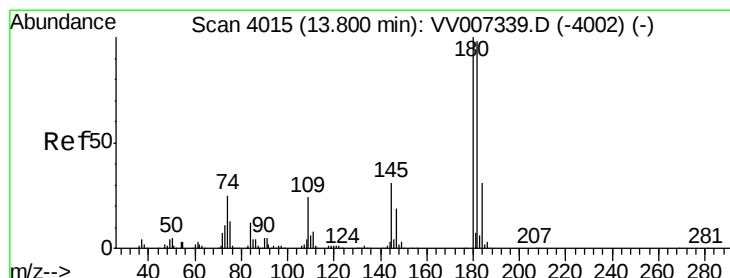
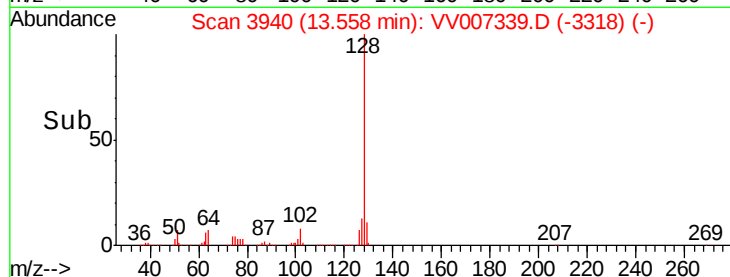
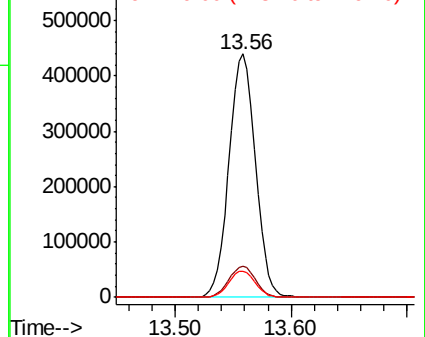
128 100

127 13.0 10.4 15.6

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.367 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007339.D

Acq: 04 Sep 2018 19:59

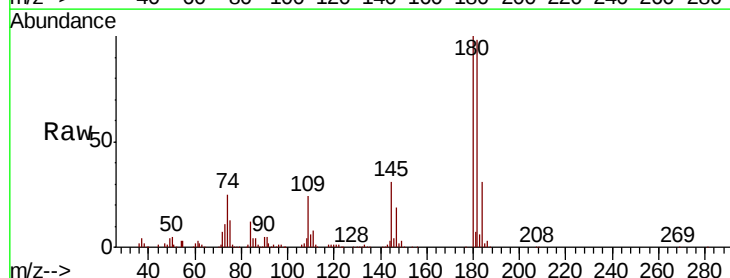
Tgt Ion:180 Resp: 270548

Ion Ratio Lower Upper

180 100

182 96.5 77.2 115.8

145 30.6 24.5 36.7



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

