

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090418\
 Data File : VV007337.D
 Acq On : 04 Sep 2018 19:09
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Quant Time: Sep 05 00:58:57 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	321297	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	297568	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	117915	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12584	5.40	ug/L	0.00
7) Chloroethane-d5	1.57	69	10751	7.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	22836	5.62	ug/L	0.00
21) 2-Butanone-d5	3.96	46	19687	10.72	ug/L	0.00
24) Chloroform-d	4.41	84	26811	5.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	16151	5.67	ug/L	0.00
32) Benzene-d6	5.10	84	46839	5.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16394	5.34	ug/L	0.00
41) Toluene-d8	7.37	98	35596	4.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6435	4.73	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	9489	7.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22367	5.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	13576	5.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15656	7.214 ug/L	97
3) Chloromethane	1.25	50	16700	6.408 ug/L	95
5) Vinyl chloride	1.32	62	16277	6.412 ug/L	99
6) Bromomethane	1.52	94	8439	6.593 ug/L	98
8) Chloroethane	1.59	64	9485	7.677 ug/L	94
9) Trichlorofluoromethane	1.77	101	20726	6.299 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12834	6.272 ug/L	97
12) 1,1-Dichloroethene	2.14	96	12458	6.502 ug/L	90
13) Acetone	2.20	43	14603	11.850 ug/L	93
14) Carbon disulfide	2.32	76	34505	6.098 ug/L	95
15) Methyl Acetate	2.47	43	14853	6.691 ug/L	94
16) Methylene chloride	2.54	84	15150	6.567 ug/L	92
17) trans-1,2-Dichloroethene	2.79	96	13603	6.496 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	40812	6.236 ug/L	97
19) 1,1-Dichloroethane	3.23	63	28023	6.560 ug/L	95
20) cis-1,2-Dichloroethene	3.97	96	14170	5.799 ug/L	97
22) 2-Butanone	4.04	43	20222	10.827 ug/L	75
23) Bromochloromethane	4.30	128	7715	6.117 ug/L	89
25) Chloroform	4.44	83	27135	6.353 ug/L	98
27) 1,2-Dichloroethane	5.19	62	19957	6.374 ug/L	100
29) Cyclohexane	4.73	56	17115	5.155 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	21435	6.107 ug/L	98
31) Carbon tetrachloride	4.88	117	18576	6.160 ug/L	98
33) Benzene	5.15	78	52866	5.667 ug/L	100
34) Trichloroethene	5.96	95	13421	5.892 ug/L	98
35) Methylcyclohexane	6.18	83	16267	4.624 ug/L	96
37) 1,2-Dichloropropane	6.23	63	14932	6.040 ug/L	99
38) Bromodichloromethane	6.56	83	18739	6.118 ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	17803	5.017 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	30671	10.338 ug/L	98

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 VSTD00580

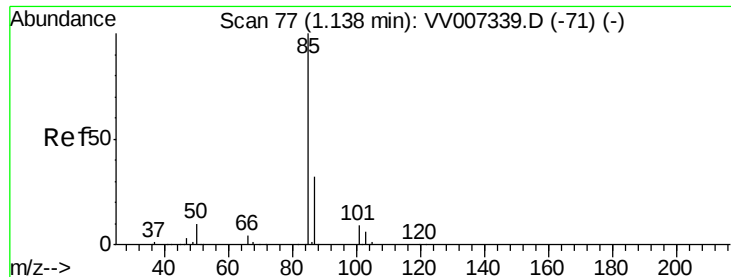
Quant Time: Sep 05 00:58:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 05 00:58:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	44084	4.822	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	16756	5.136	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	14784	6.279	ug/L	98
46) Tetrachloroethene	8.02	164	10295	5.608	ug/L	97
48) 2-Hexanone	8.19	43	21335	9.078	ug/L	97
49) Dibromochloromethane	8.30	129	14289	5.827	ug/L	99
50) 1,2-Dibromoethane	8.40	107	13643	5.871	ug/L	98
51) Chlorobenzene	8.93	112	33100	5.448	ug/L	98
52) Ethylbenzene	9.06	91	40893	4.350	ug/L	96
53) m,p-Xylene	9.19	106	15160	4.282	ug/L	92
54) o-xylene	9.59	106	15102	4.381	ug/L	99
55) Styrene	9.61	104	23646	3.944	ug/L	95
56) Isopropylbenzene	9.98	105	35999	4.083	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	22378	5.952	ug/L	98
59) 1,2,3-Trichloropropane	10.33	75	17474	5.786	ug/L	95
61) Bromoform	9.78	173	10254	6.686	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	19621	5.464	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	20805	5.402	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	22010	5.619	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	4006	6.169	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	14262	5.200	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	8577	3.955	ug/L	100
69) Naphthalene	13.56	128	20511	3.333	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	9553	4.052	ug/L	96

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

```
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Sample    : VSTD00580
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ALS Vial  : 4   Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 7.214 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

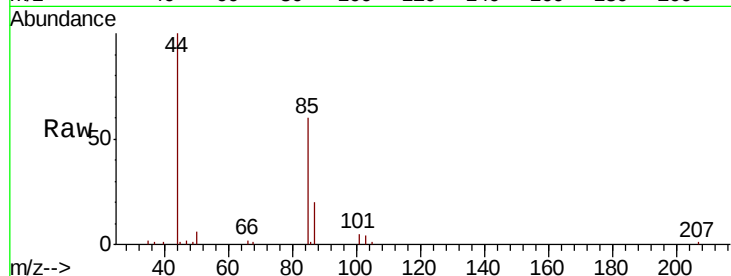
VSTD00580

Tgt Ion: 85 Resp: 15656

Ion Ratio Lower Upper

85 100

87 30.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

15000

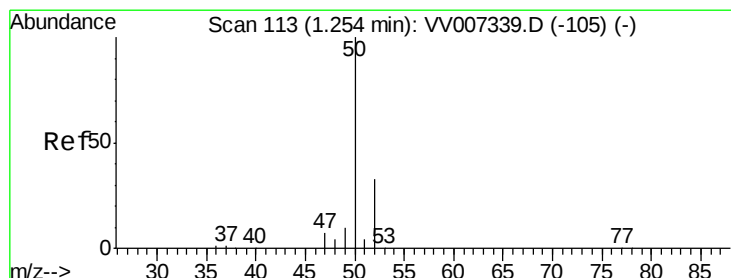
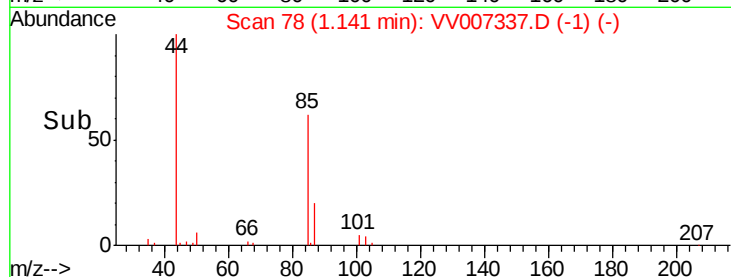
10000

5000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 6.408 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007337.D

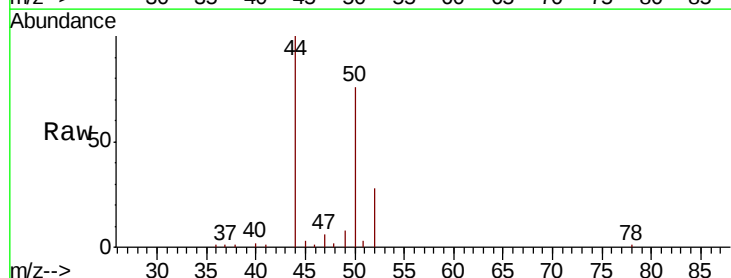
Acq: 04 Sep 2018 19:09

Tgt Ion: 50 Resp: 16700

Ion Ratio Lower Upper

50 100

52 36.3 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

15000

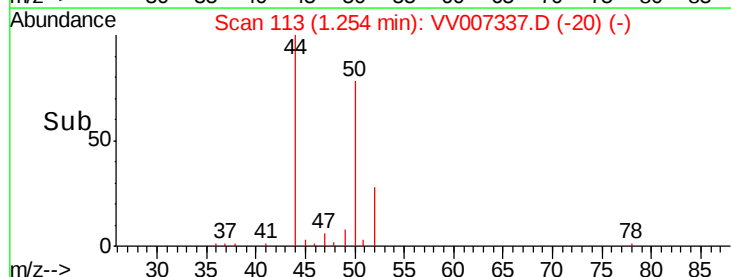
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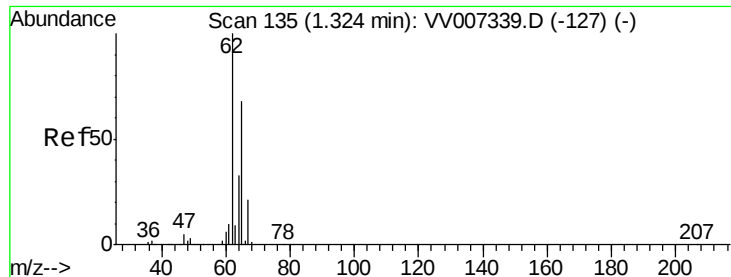
5000

0

Time-->

1.25 1.30





#5

Vinyl chloride

Concen: 6.412 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

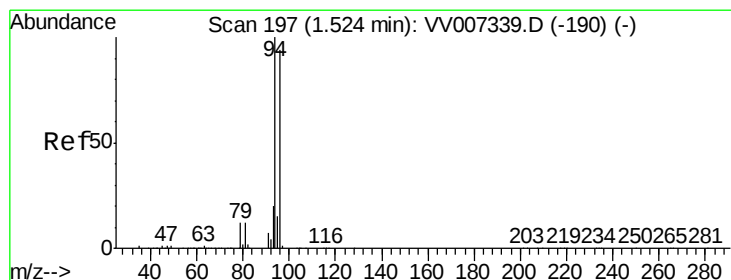
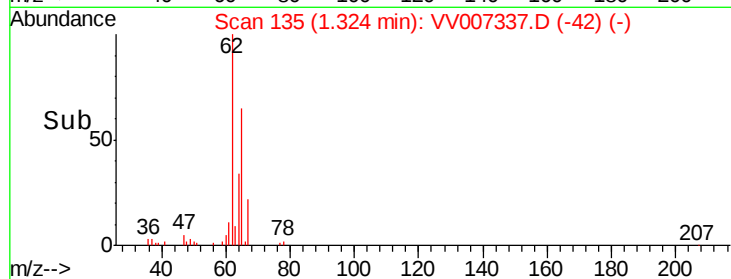
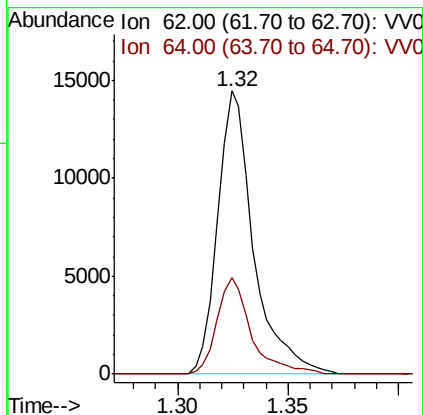
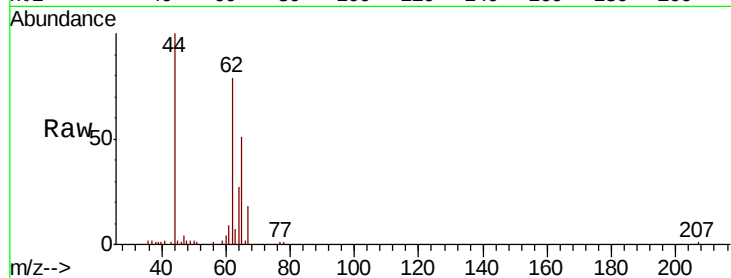
VSTD00580

Tgt Ion: 62 Resp: 16277

Ion Ratio Lower Upper

62 100

64 33.9 23.2 43.2



#6

Bromomethane

Concen: 6.593 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.00 min

Lab File: VV007337.D

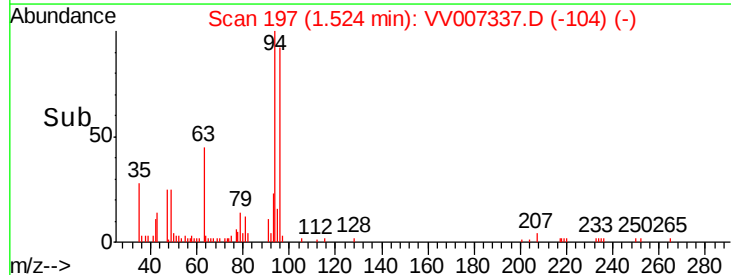
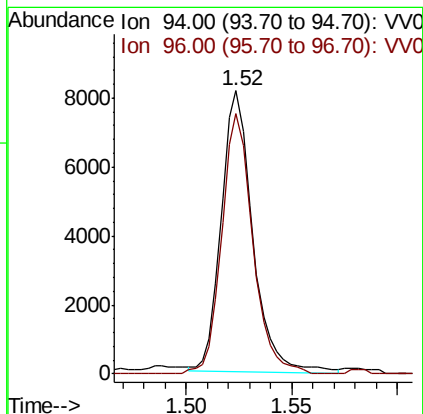
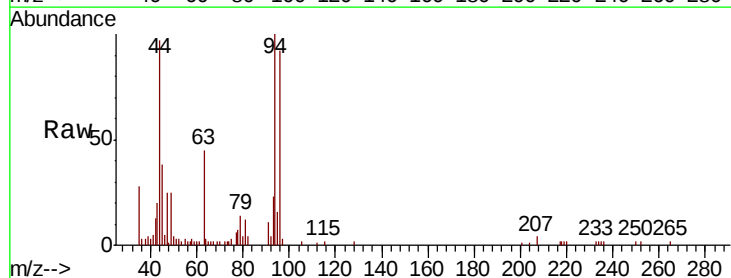
Acq: 04 Sep 2018 19:09

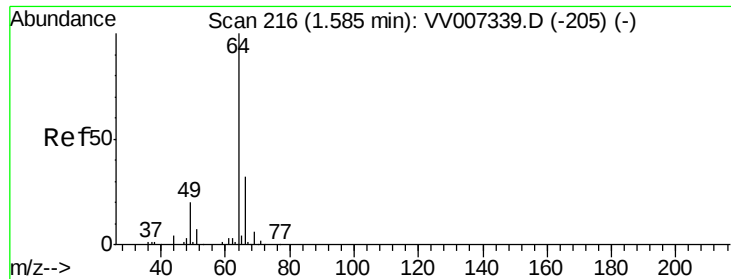
Tgt Ion: 94 Resp: 8439

Ion Ratio Lower Upper

94 100

96 91.9 65.9 122.5

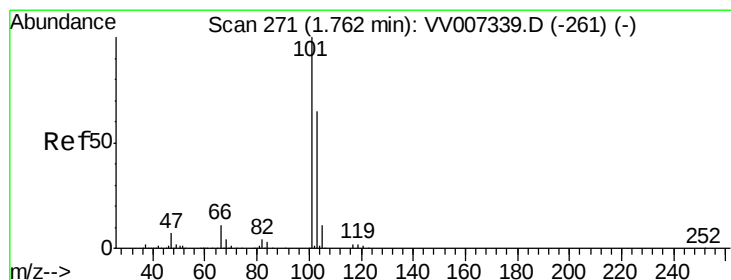
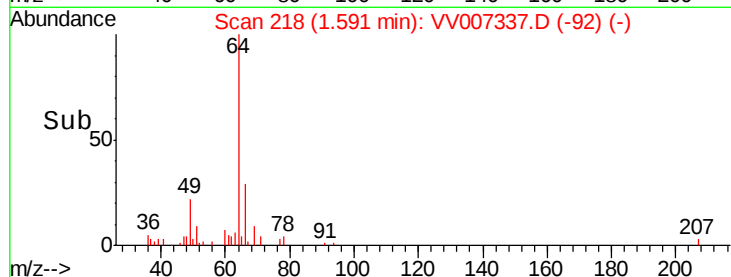
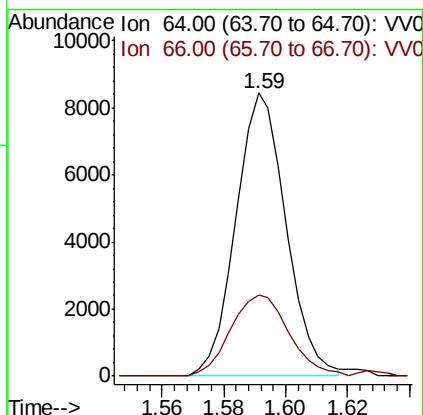
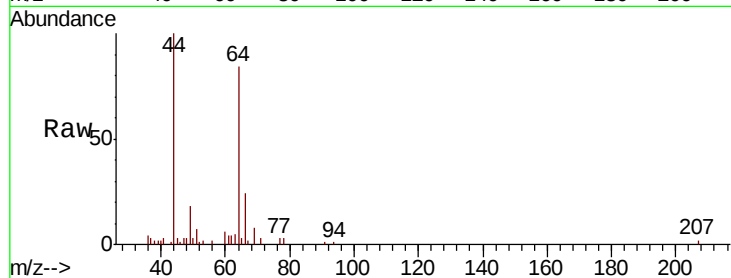




#8
Chloroethane
Concen: 7.677 ug/L
RT: 1.59 min Scan# 218
Delta R.T. 0.01 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

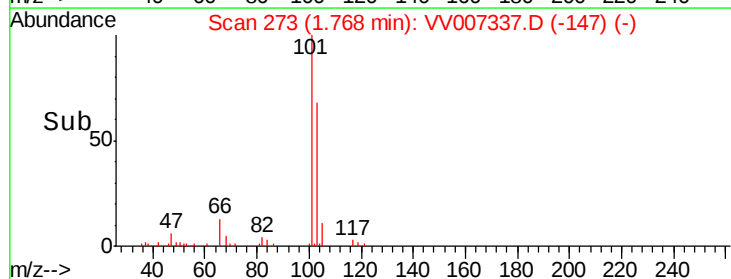
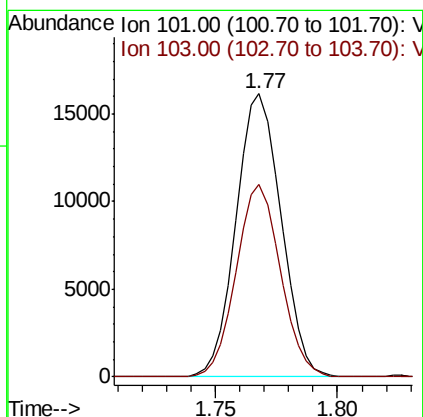
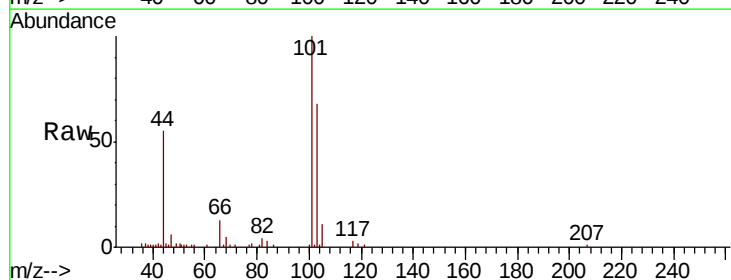
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

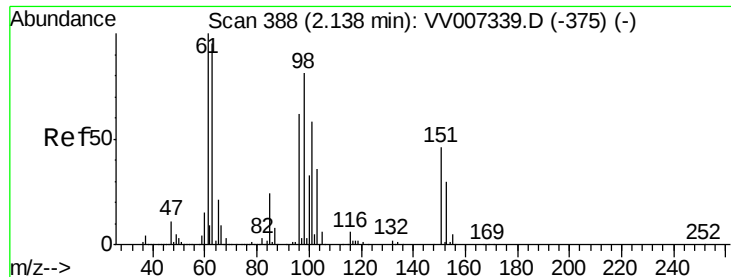
Tgt Ion: 64 Resp: 9485
Ion Ratio Lower Upper
64 100
66 28.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.299 ug/L
RT: 1.77 min Scan# 273
Delta R.T. 0.01 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

Tgt Ion: 101 Resp: 20726
Ion Ratio Lower Upper
101 100
103 66.6 51.8 77.8





#10

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

Concen: 6.272 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

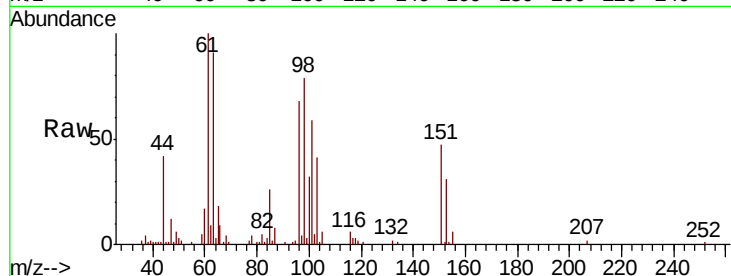
Tgt Ion:101 Resp: 12834

Ion Ratio Lower Upper

101 100

85 42.7 32.7 49.1

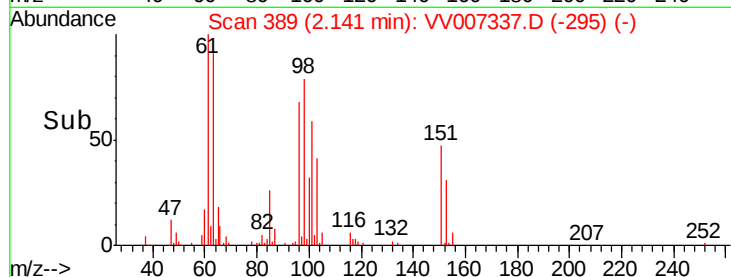
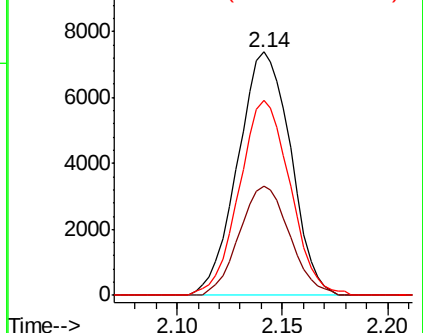
151 77.3 64.5 96.7



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: 6.502 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

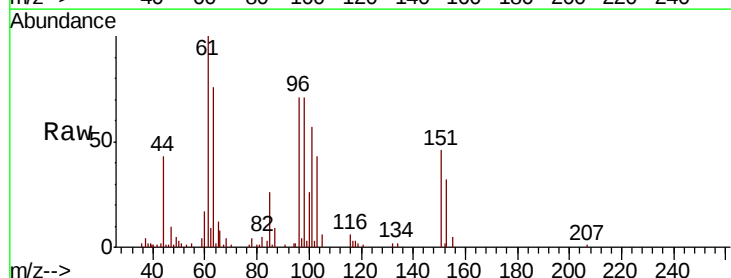
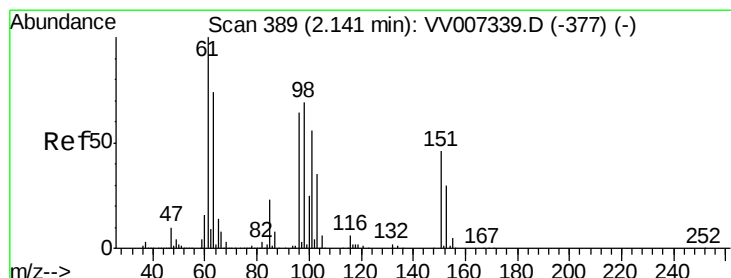
Tgt Ion: 96 Resp: 12458

Ion Ratio Lower Upper

96 100

61 141.1 108.6 201.8

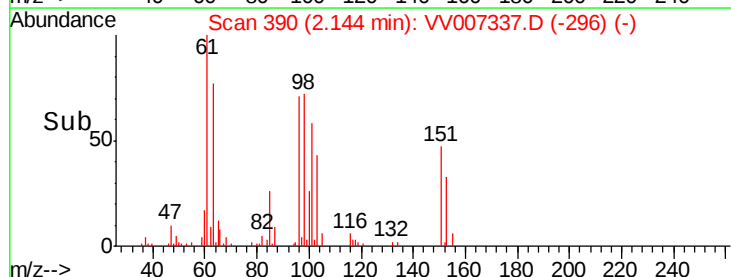
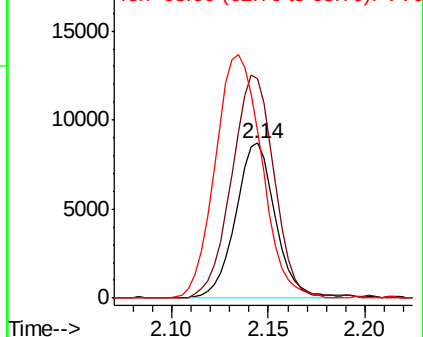
63 107.4 81.5 151.3

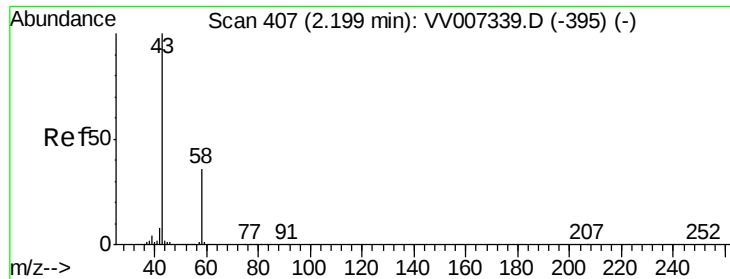


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 11.850 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

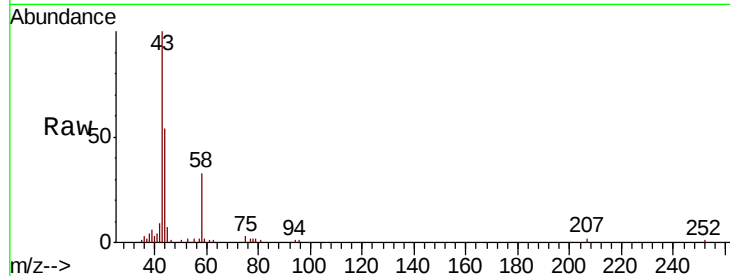
VSTD00580

Tgt Ion: 43 Resp: 14603

Ion Ratio Lower Upper

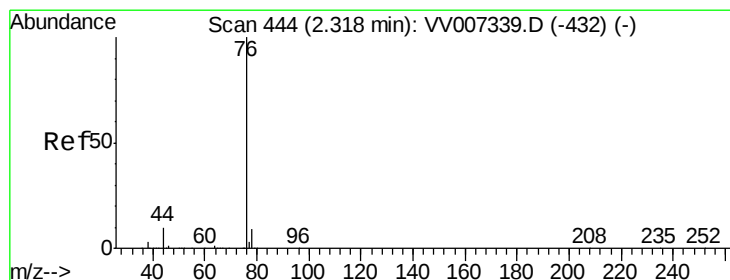
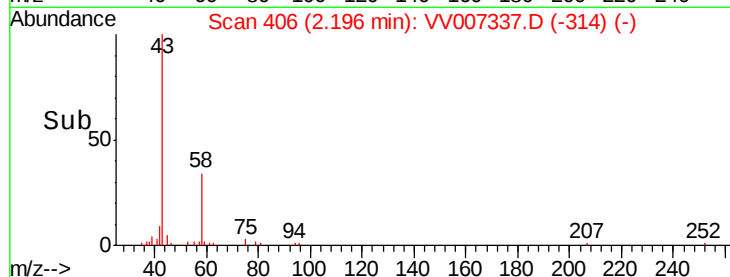
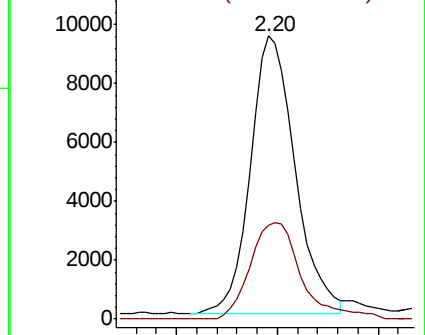
43 100

58 39.8 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007337.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007337.D (-395) (-)



#14

Carbon disulfide

Concen: 6.098 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007337.D

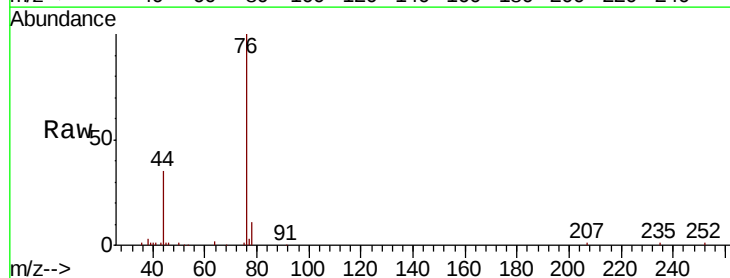
Acq: 04 Sep 2018 19:09

Tgt Ion: 76 Resp: 34505

Ion Ratio Lower Upper

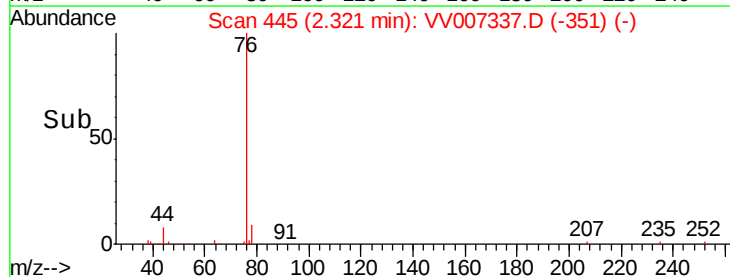
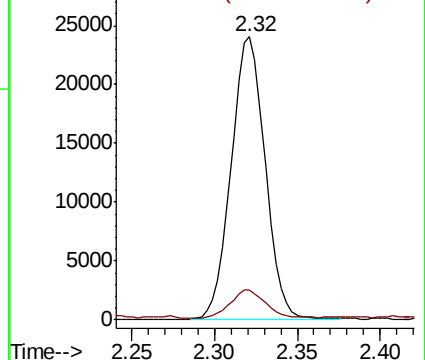
76 100

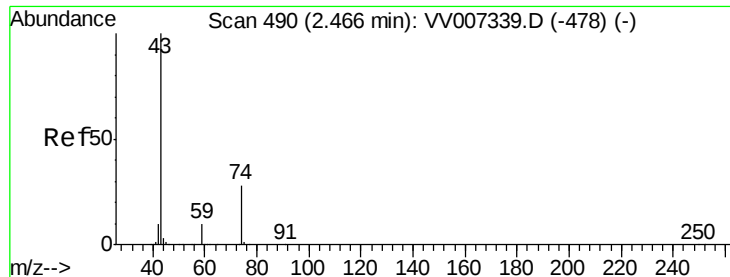
78 10.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV007337.D (-351) (-)

Ion 78.00 (77.70 to 78.70): VV007337.D (-351) (-)





#15

Methyl Acetate

Concen: 6.691 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

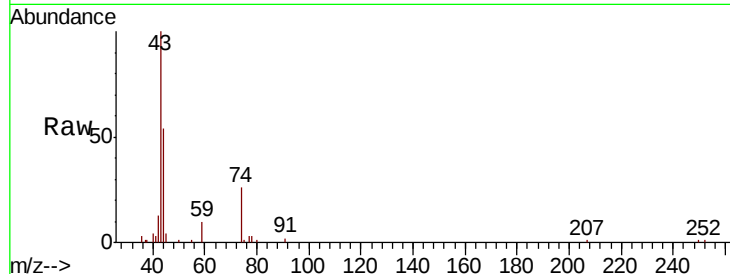
VSTD00580

Tgt Ion: 43 Resp: 14853

Ion Ratio Lower Upper

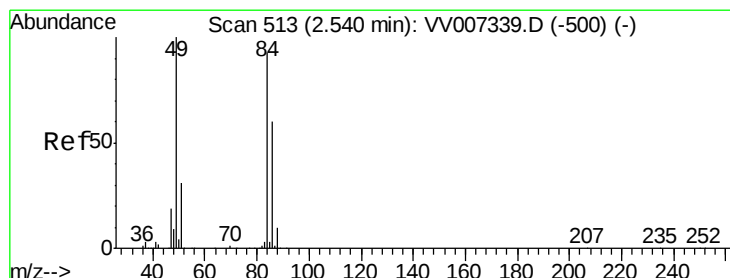
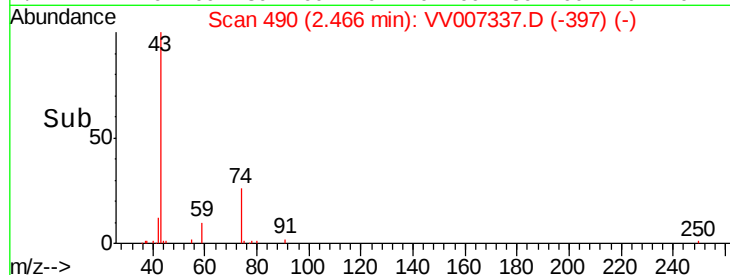
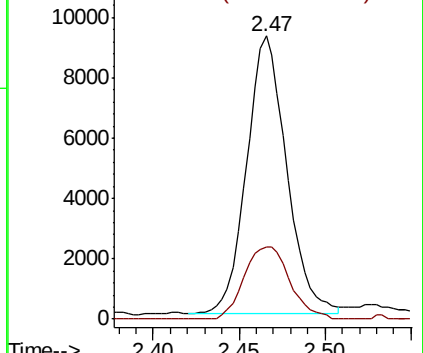
43 100

74 29.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VV007339.D (-478) (-)

Ion 74.00 (73.70 to 74.70): VV007339.D (-478) (-)



#16

Methylene chloride

Concen: 6.567 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

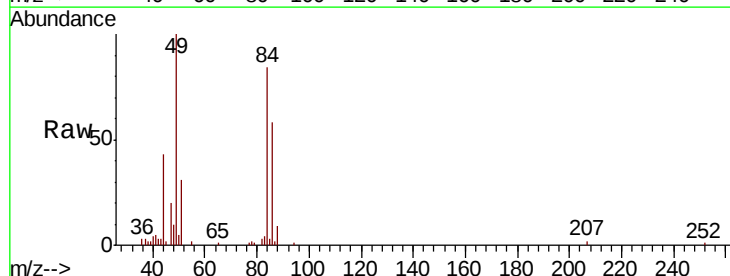
Tgt Ion: 84 Resp: 15150

Ion Ratio Lower Upper

84 100

86 68.6 45.3 84.1

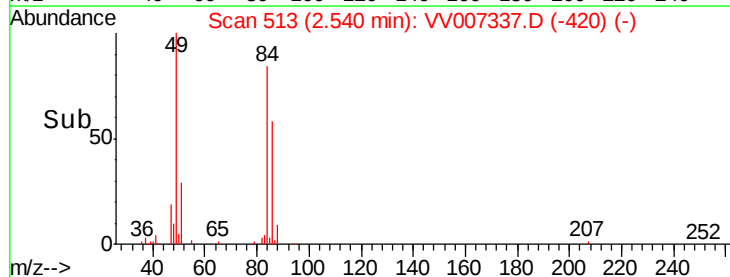
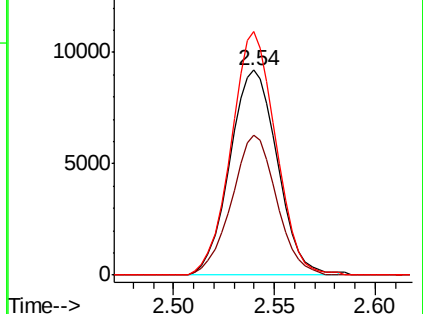
49 119.0 75.6 140.4

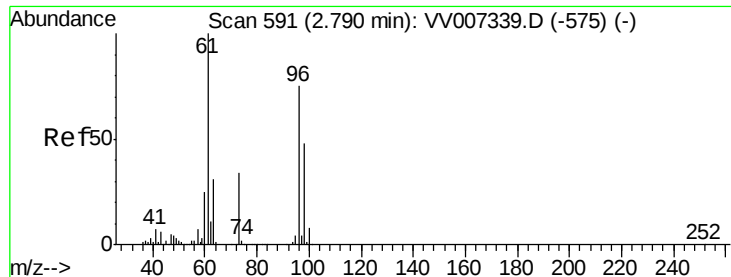


Abundance Ion 84.00 (83.70 to 84.70): VV007339.D (-500) (-)

Ion 86.00 (85.70 to 86.70): VV007339.D (-500) (-)

Ion 49.00 (48.70 to 49.70): VV007339.D (-500) (-)





#17

trans-1,2-Dichloroethene

Concen: 6.496 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

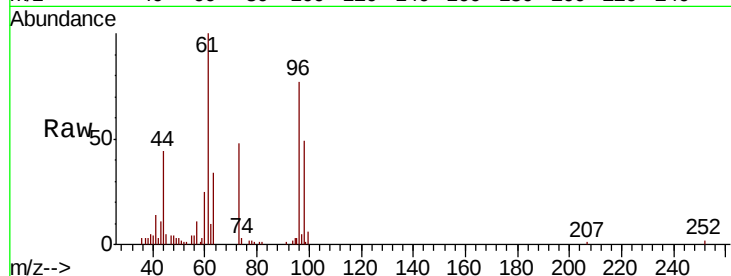
Tgt Ion: 96 Resp: 13603

Ion Ratio Lower Upper

96 100

61 129.6 93.1 172.9

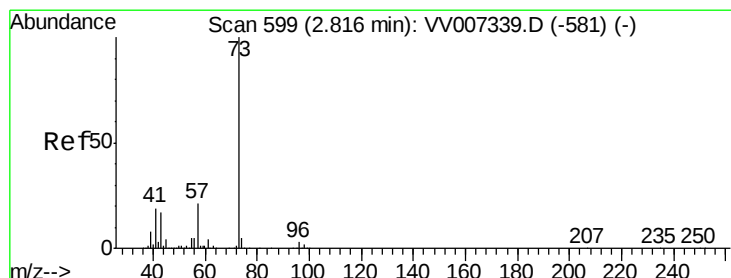
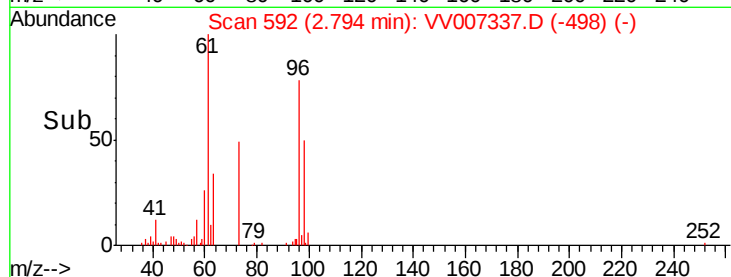
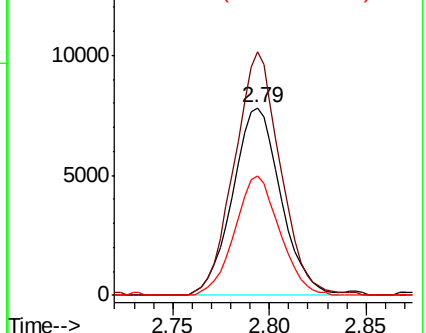
98 63.8 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV007337.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VV007337.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VV007337.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 6.236 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

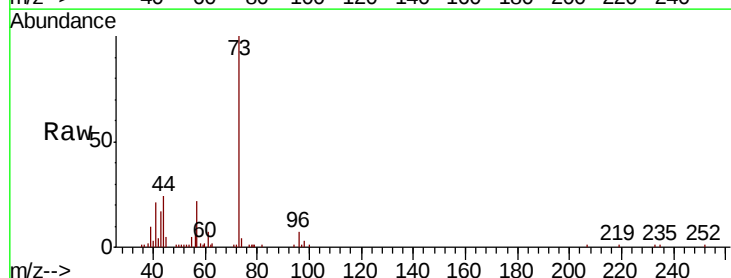
Tgt Ion: 73 Resp: 40812

Ion Ratio Lower Upper

73 100

43 16.3 13.4 20.2

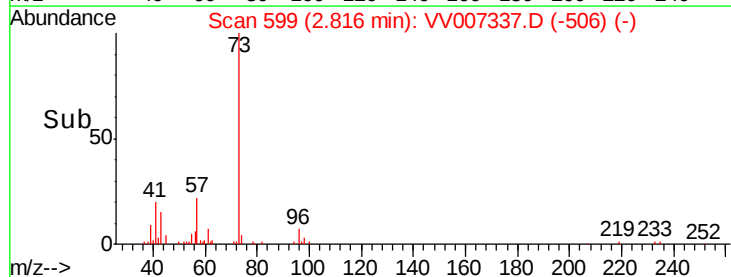
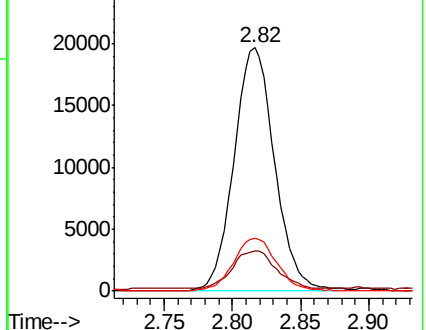
57 23.1 17.0 25.4

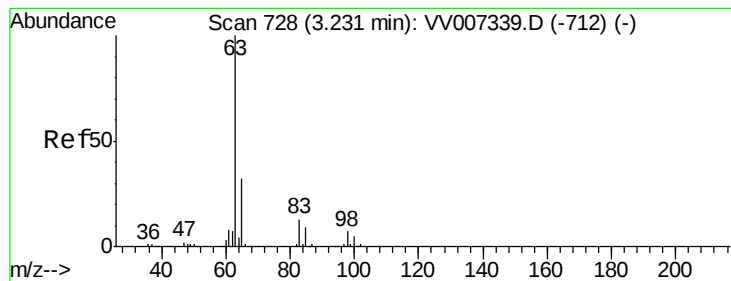


Abundance Ion 73.00 (72.70 to 73.70): VV007337.D (-581) (-)

Ion 43.00 (42.70 to 43.70): VV007337.D (-581) (-)

Ion 57.00 (56.70 to 57.70): VV007337.D (-581) (-)





#19

1,1-Dichloroethane

Concen: 6.560 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

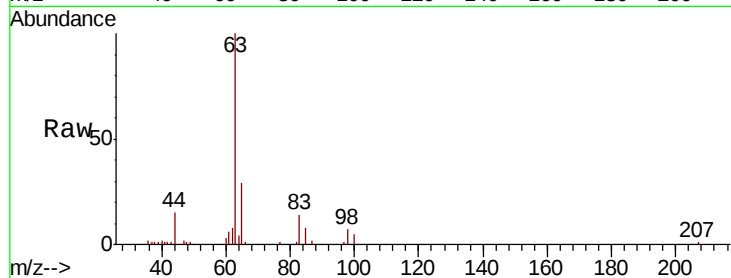
Tgt Ion: 63 Resp: 28023

Ion Ratio Lower Upper

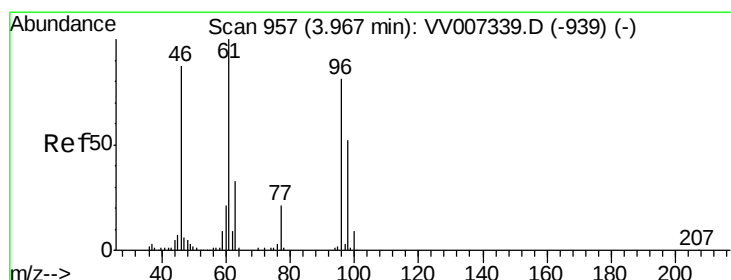
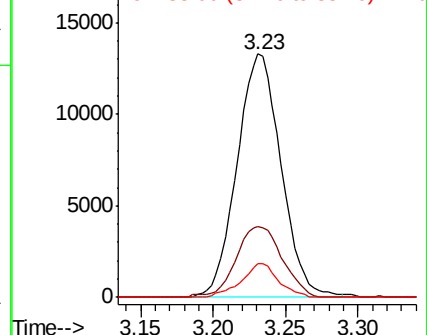
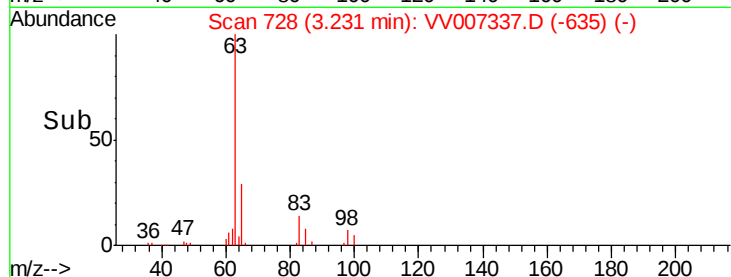
63 100

65 29.0 22.5 41.9

83 13.6 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV007337.D (-635) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.799 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

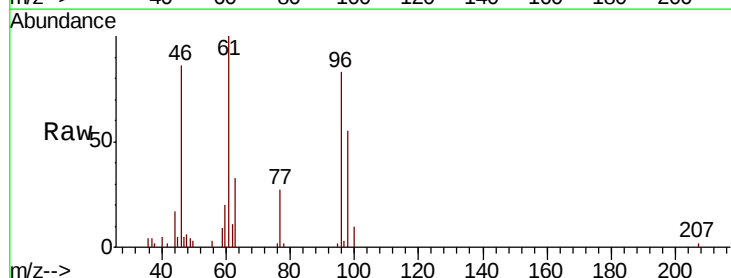
Tgt Ion: 96 Resp: 14170

Ion Ratio Lower Upper

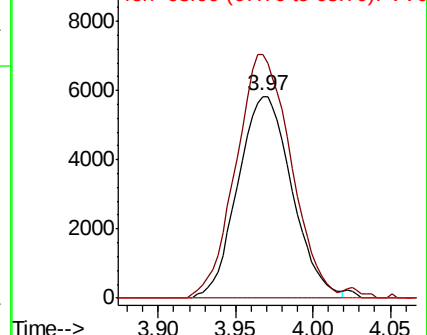
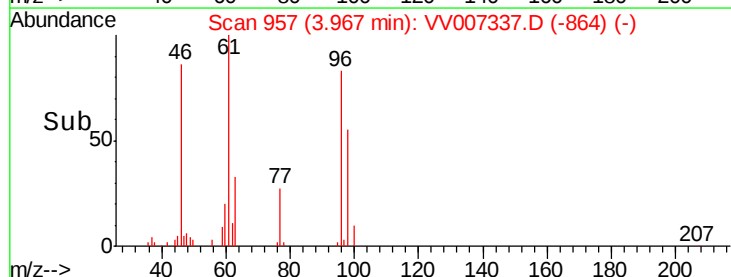
96 100

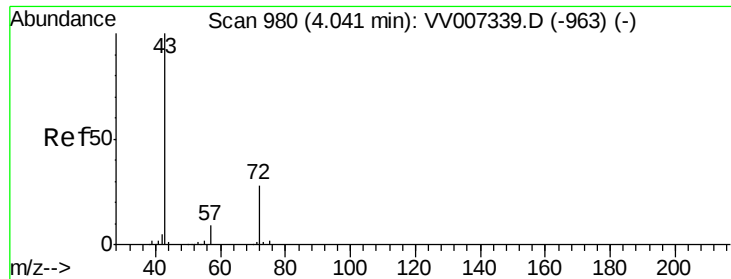
61 120.7 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007337.D (-864) (-)





#22

2-Butanone

Concen: 10.827 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

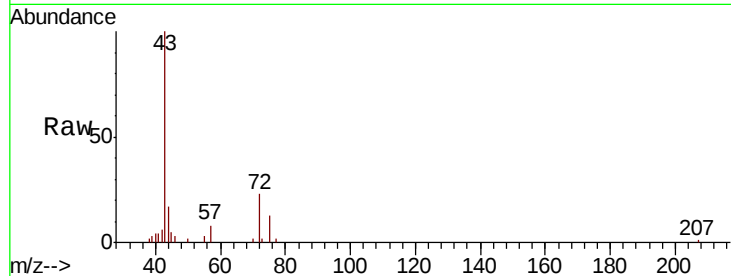
VSTD00580

Tgt Ion: 43 Resp: 20222

Ion Ratio Lower Upper

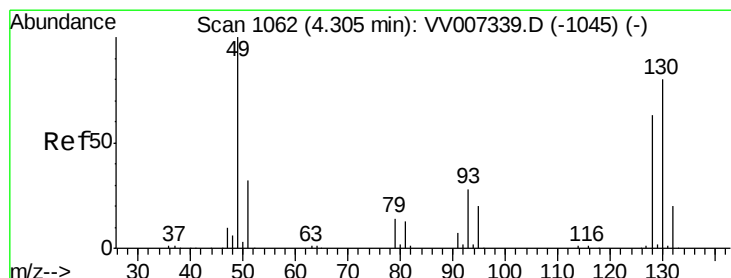
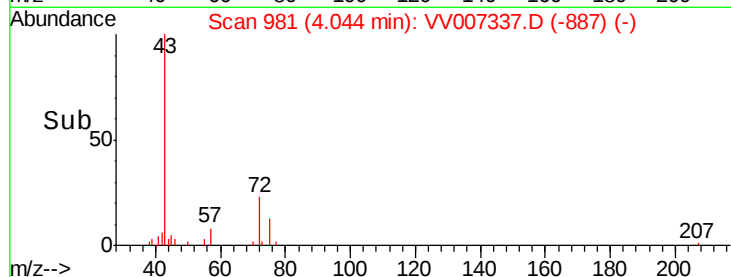
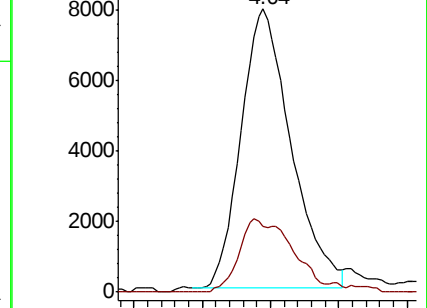
43 100

72 14.4 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: 6.117 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Tgt Ion: 128 Resp: 7715

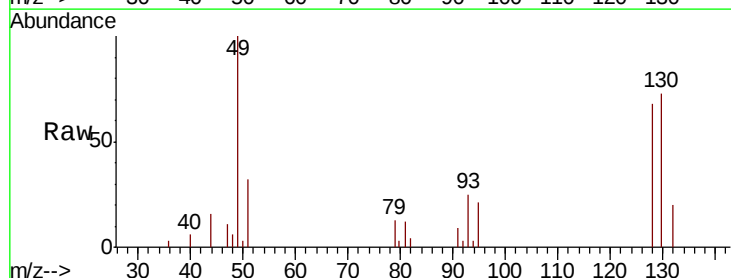
Ion Ratio Lower Upper

128 100

49 147.4 111.2 206.4

130 108.0 89.1 165.5

51 47.8 40.1 60.1

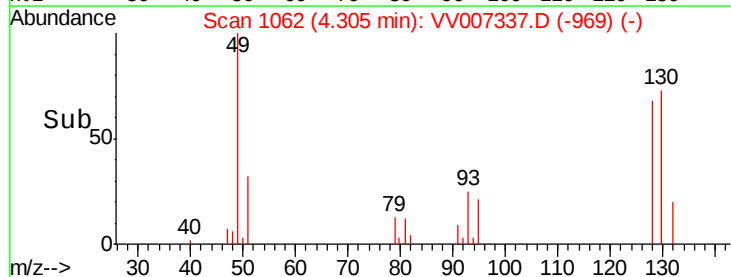
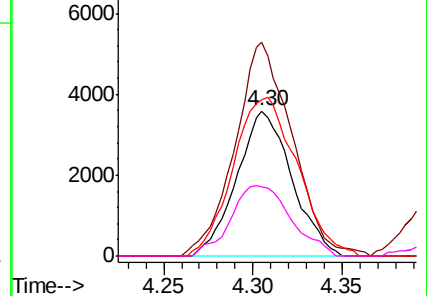


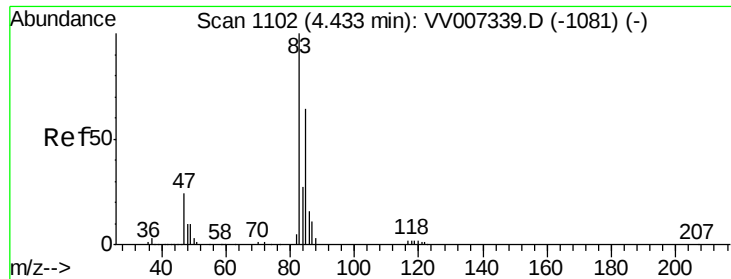
Abundance Ion 128.00 (127.70 to 128.70): VV007339.D (-1045) (-)

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: 6.353 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

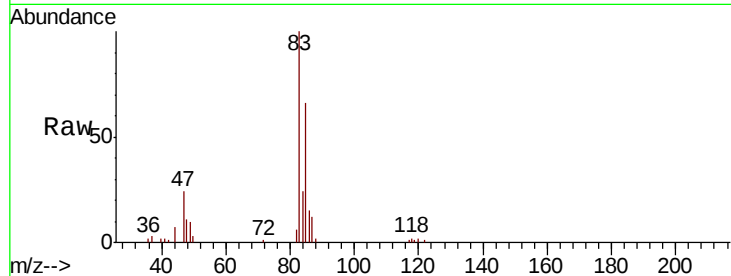
VSTD00580

Tgt Ion: 83 Resp: 27135

Ion Ratio Lower Upper

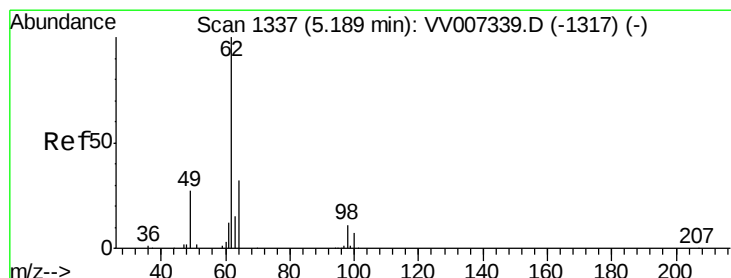
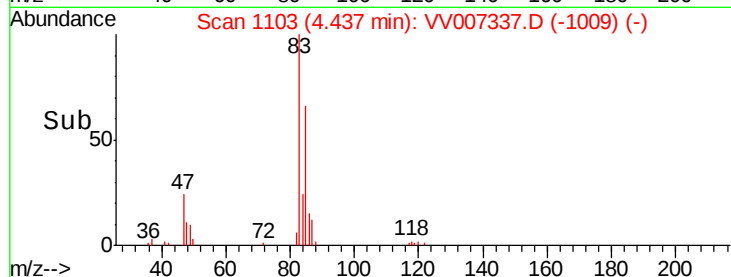
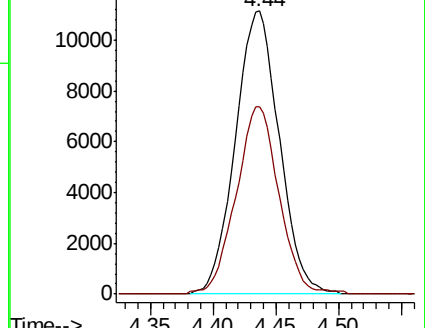
83 100

85 66.3 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV007337.D (-1081) (-)

Ion 85.00 (84.70 to 85.70): VV007337.D (-1081) (-)



#27

1,2-Dichloroethane

Concen: 6.374 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007337.D

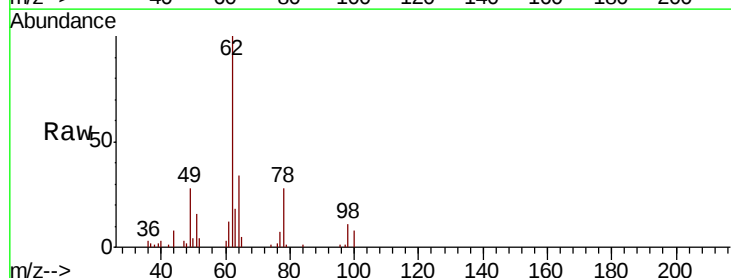
Acq: 04 Sep 2018 19:09

Tgt Ion: 62 Resp: 19957

Ion Ratio Lower Upper

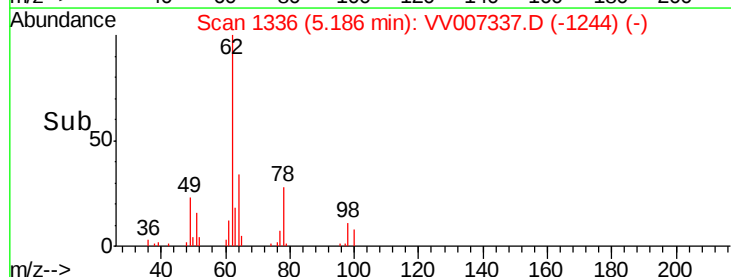
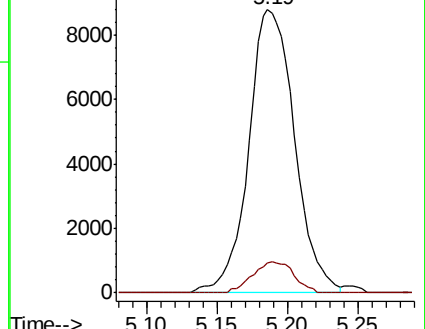
62 100

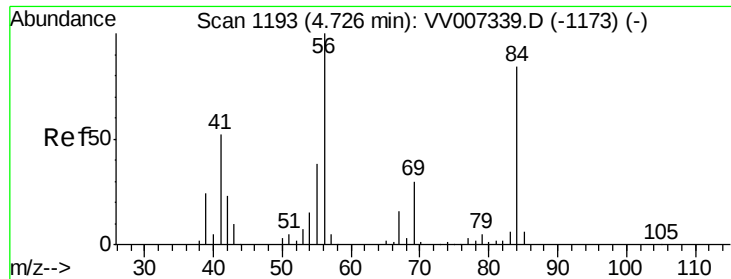
98 10.7 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VV007337.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VV007337.D (-1244) (-)

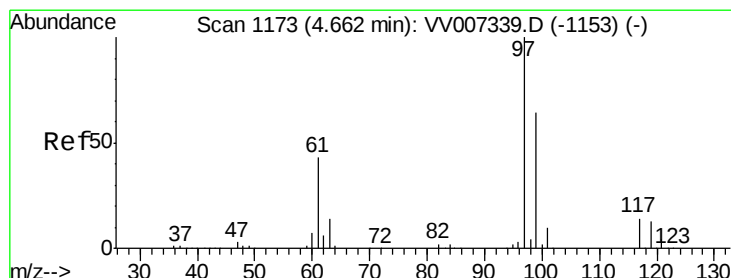
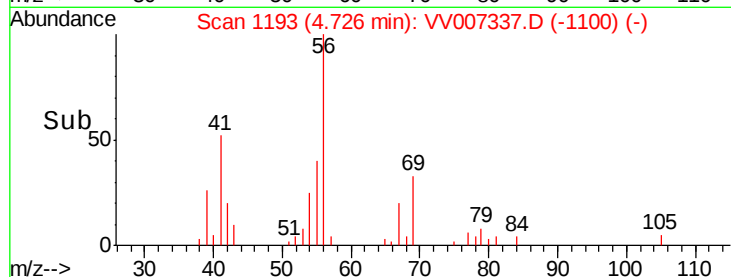
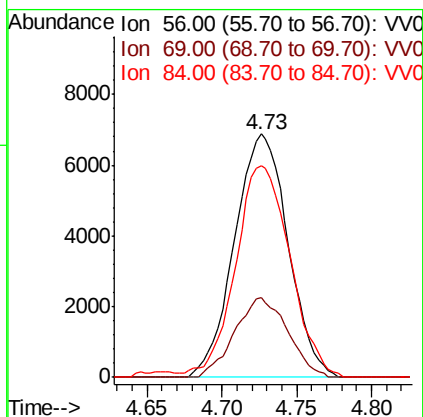
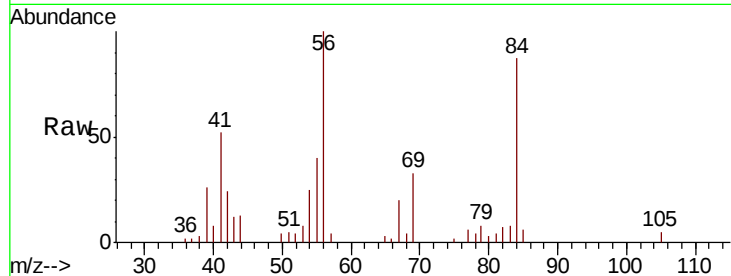




#29
Cyclohexane
Concen: 5.155 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

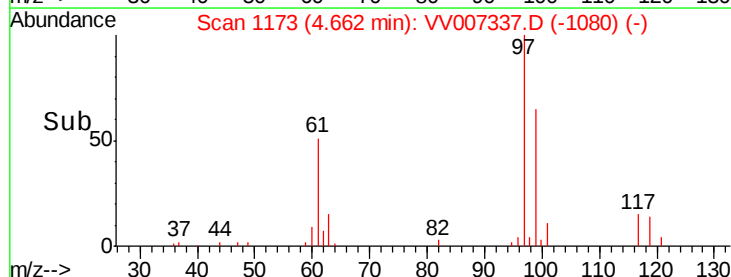
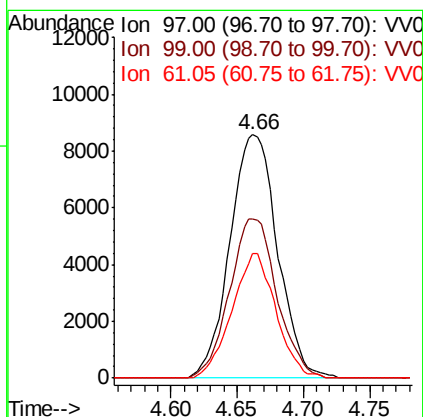
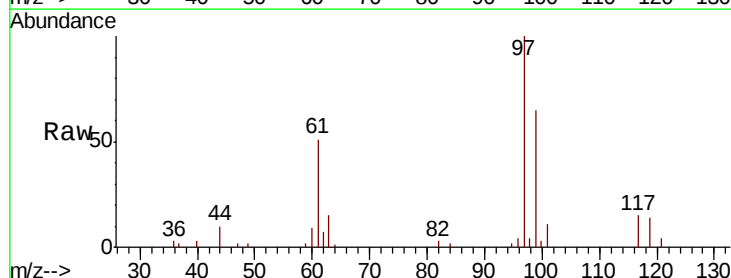
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

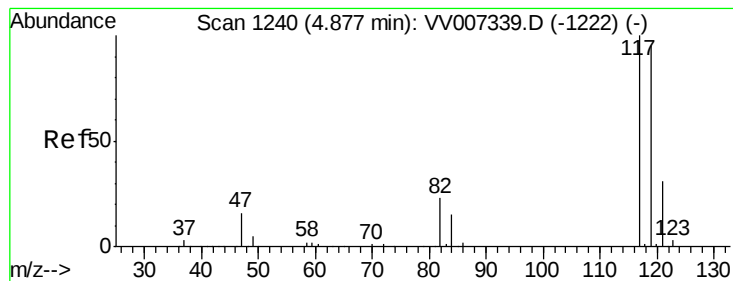
Tgt Ion: 56 Resp: 17115
Ion Ratio Lower Upper
56 100
69 32.3 24.5 36.7
84 88.6 70.6 105.8



#30
1,1,1-Trichloroethane
Concen: 6.107 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

Tgt Ion: 97 Resp: 21435
Ion Ratio Lower Upper
97 100
99 65.0 52.1 78.1
61 47.0 34.6 51.8





#31

Carbon tetrachloride

Concen: 6.160 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

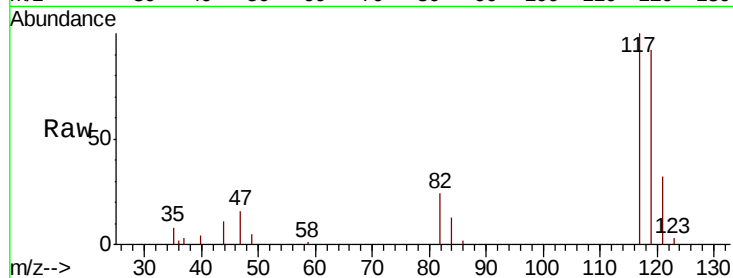
VSTD00580

Tgt Ion:117 Resp: 18576

Ion Ratio Lower Upper

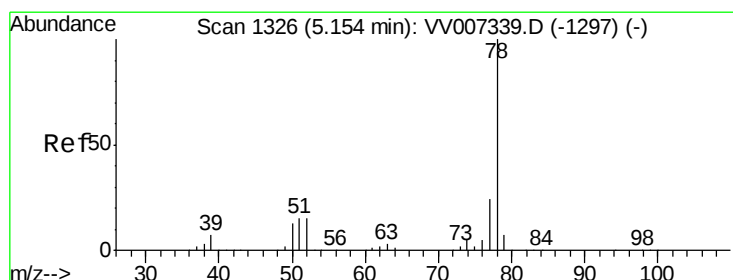
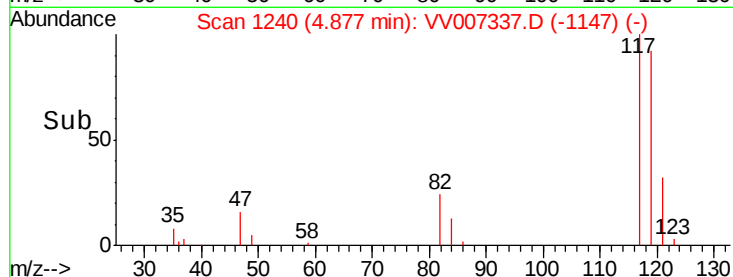
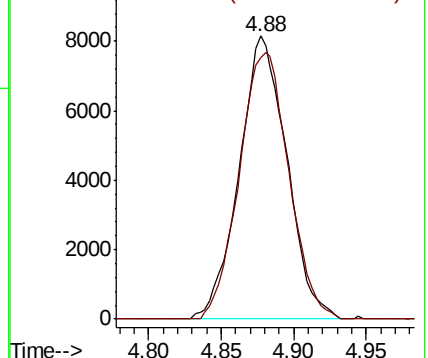
117 100

119 97.9 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: 5.667 ug/L

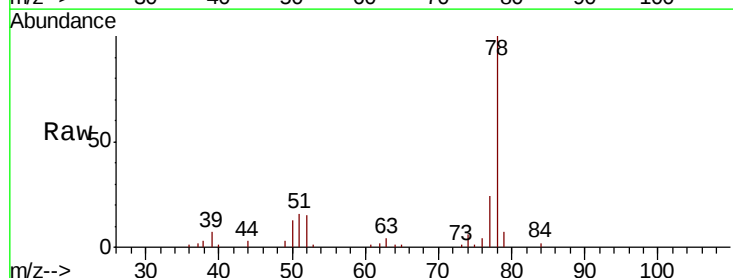
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

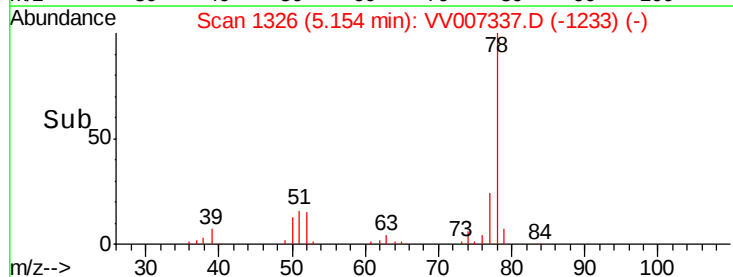
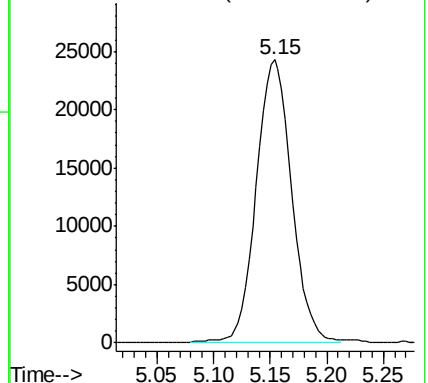
Lab File: VV007337.D

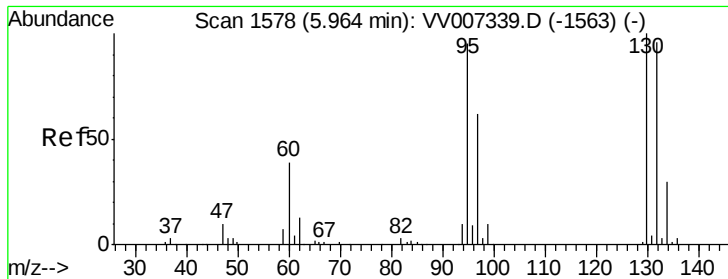
Acq: 04 Sep 2018 19:09

Tgt Ion: 78 Resp: 52866



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.892 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

Tgt Ion: 95 Resp: 13421

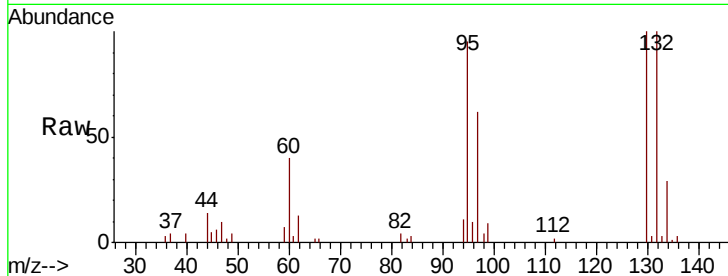
Ion Ratio Lower Upper

95 100

97 65.1 46.1 85.7

132 104.7 70.8 131.6

130 105.1 73.9 137.3

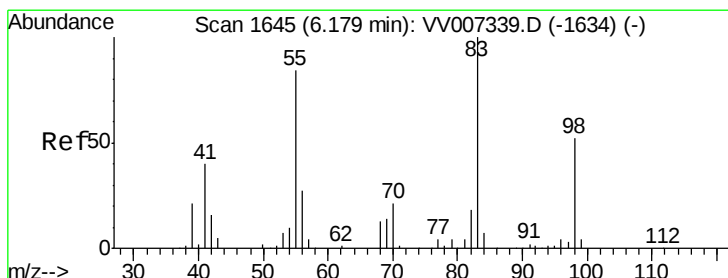
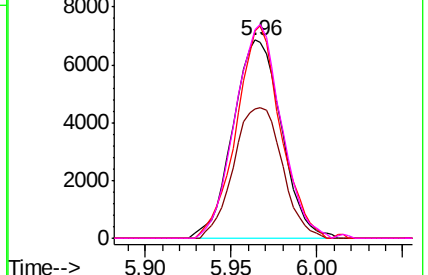
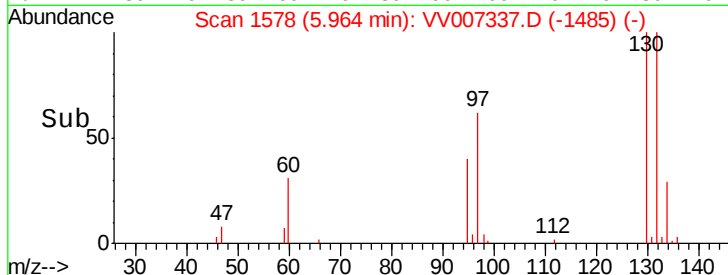


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.624 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

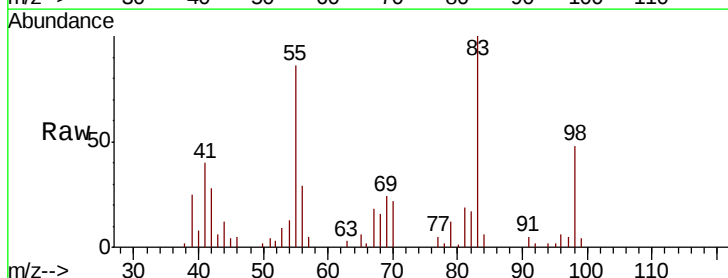
Tgt Ion: 83 Resp: 16267

Ion Ratio Lower Upper

83 100

55 85.0 63.0 94.4

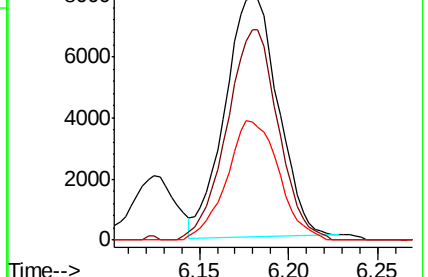
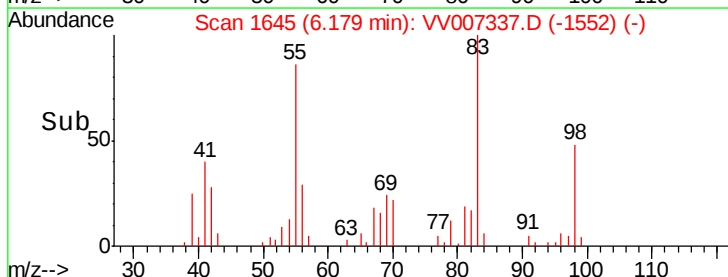
98 48.9 39.0 58.6

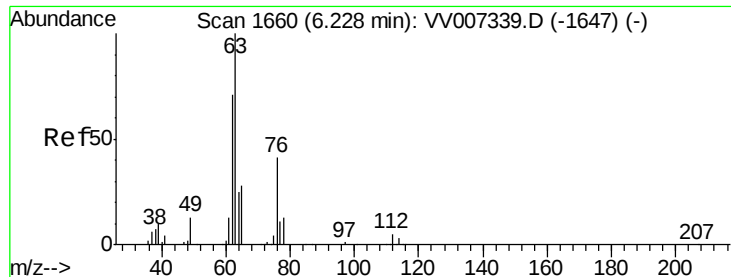


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 6.040 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

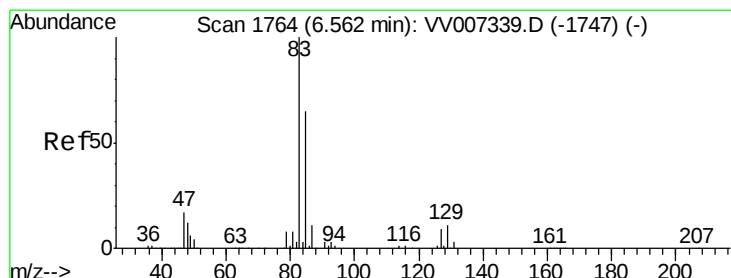
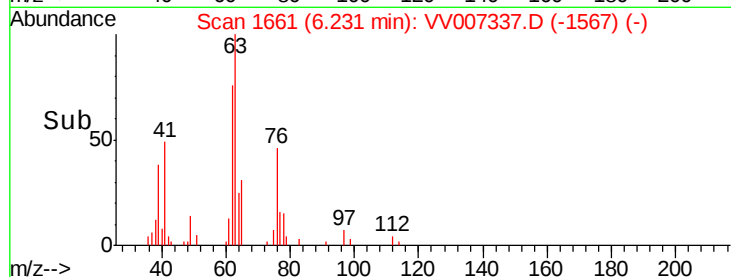
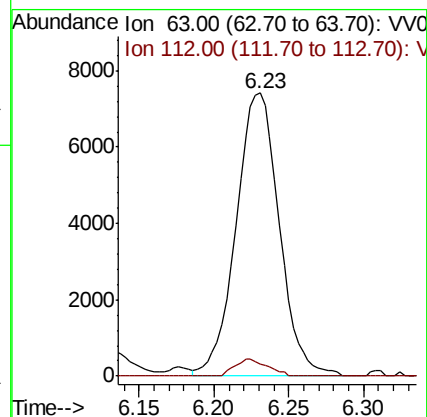
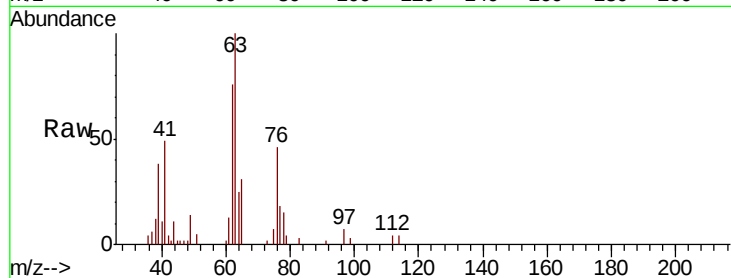
VSTD00580

Tgt Ion: 63 Resp: 14932

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 6.118 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

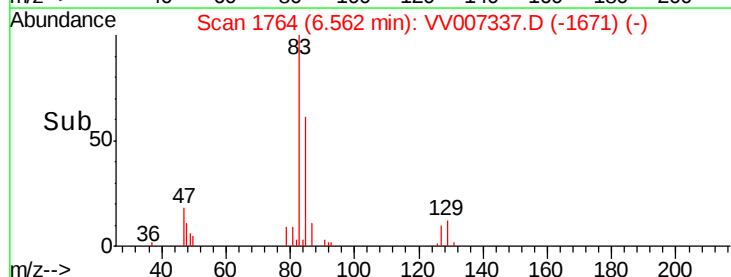
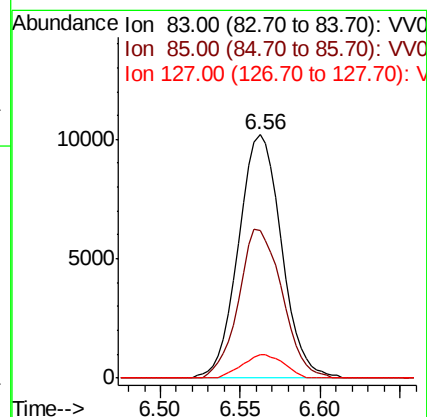
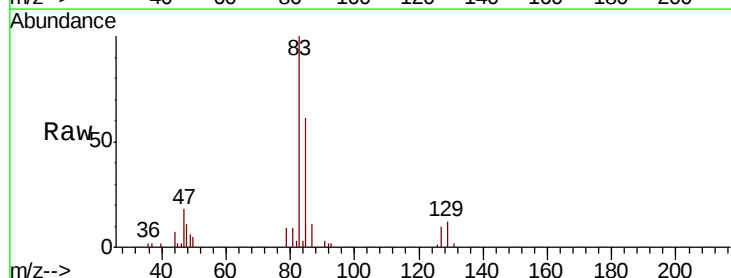
Tgt Ion: 83 Resp: 18739

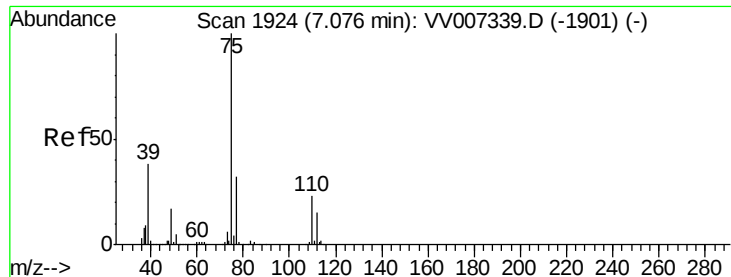
Ion Ratio Lower Upper

83 100

85 60.6 45.1 83.9

127 9.6 6.9 10.3

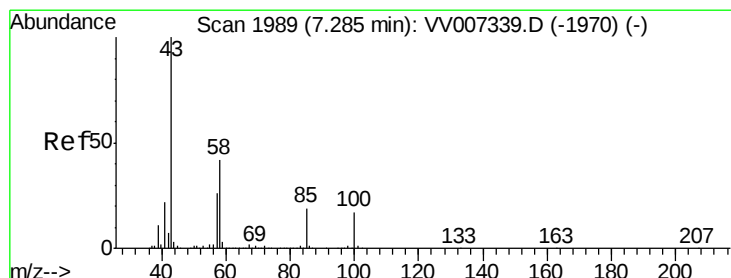
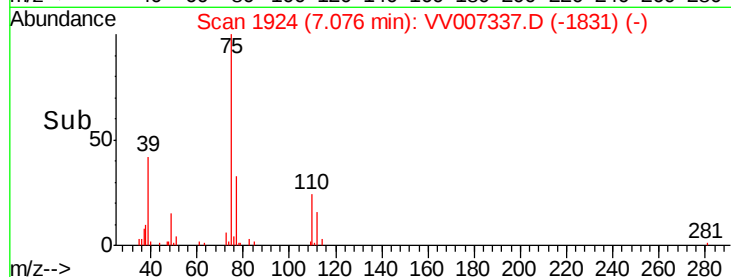
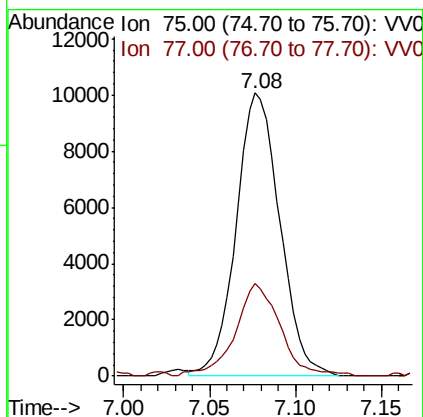
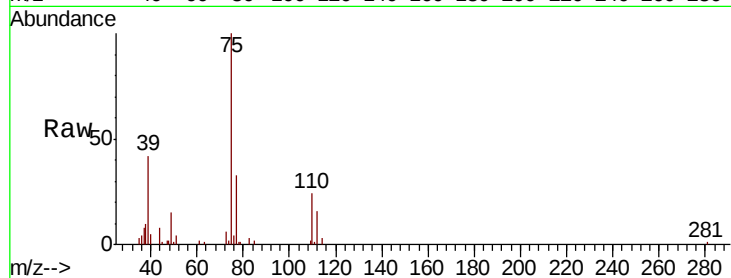




#39
 cis-1,3-Dichloropropene
 Concen: 5.017 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007337.D
 Acq: 04 Sep 2018 19:09

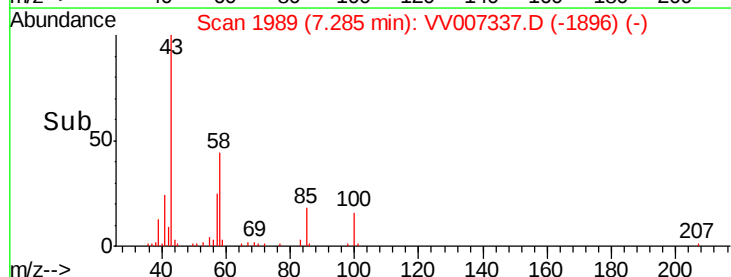
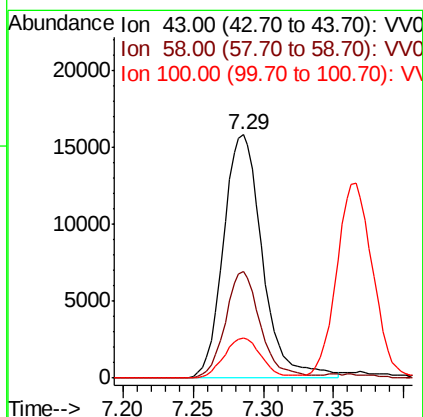
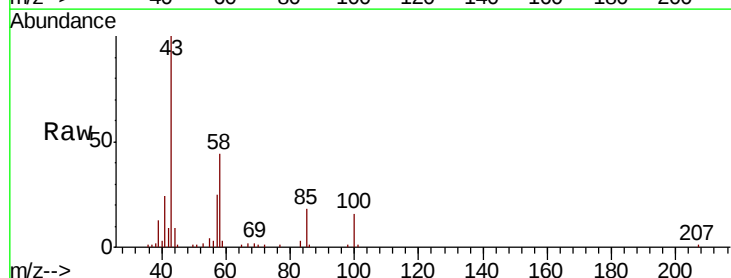
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

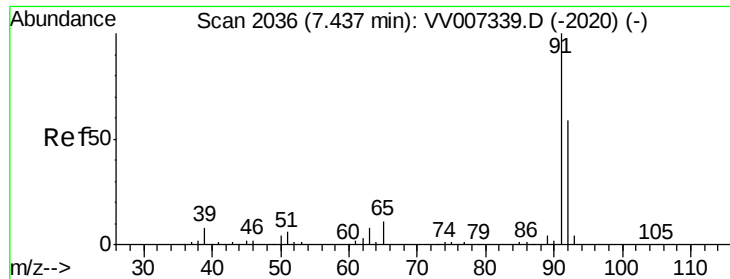
Tgt Ion: 75 Resp: 17803
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 10.338 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007337.D
 Acq: 04 Sep 2018 19:09

Tgt Ion: 43 Resp: 30671
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.9 49.3
 100 15.9 13.3 19.9





#42

Toluene

Concen: 4.822 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

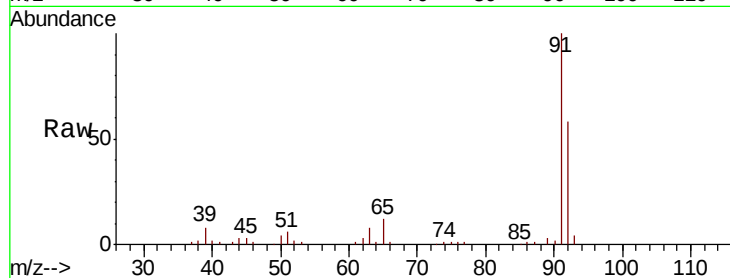
VSTD00580

Tgt Ion: 91 Resp: 44084

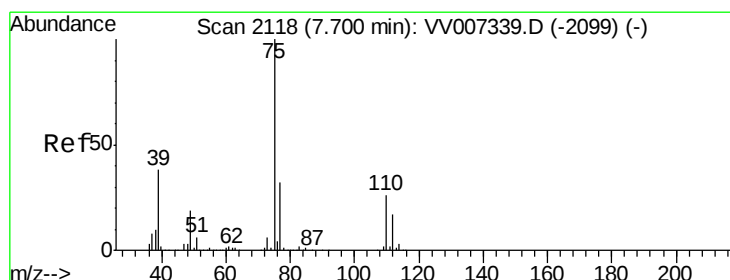
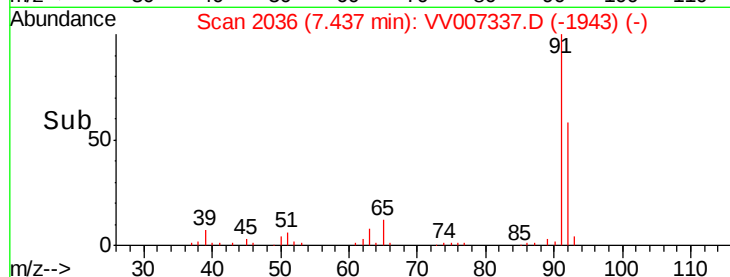
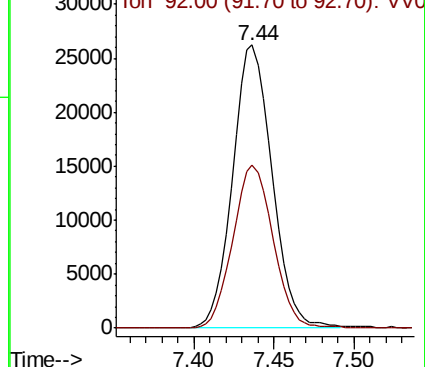
Ion Ratio Lower Upper

91 100

92 57.6 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV007337.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.136 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007337.D

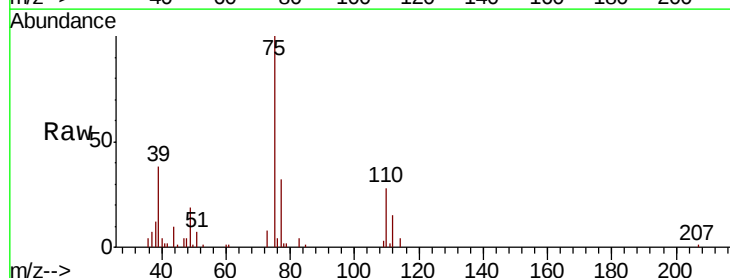
Acq: 04 Sep 2018 19:09

Tgt Ion: 75 Resp: 16756

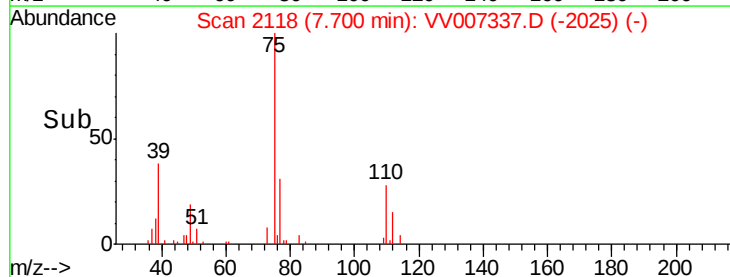
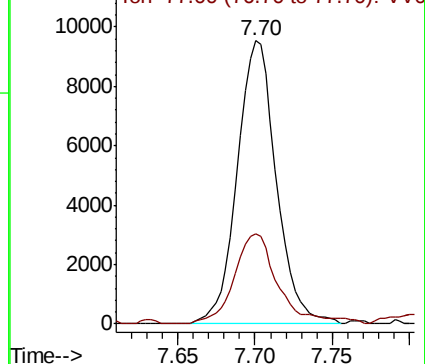
Ion Ratio Lower Upper

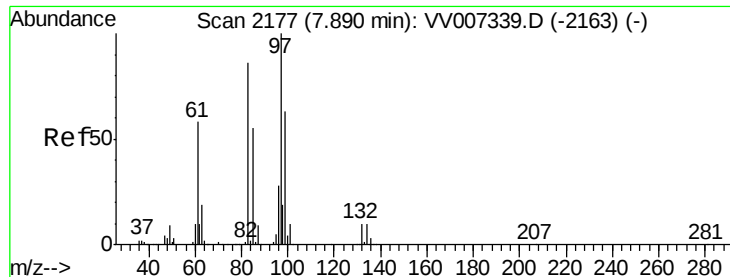
75 100

77 31.9 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV007337.D (-2025) (-)

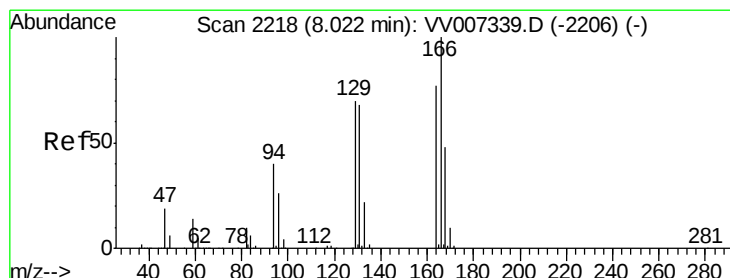
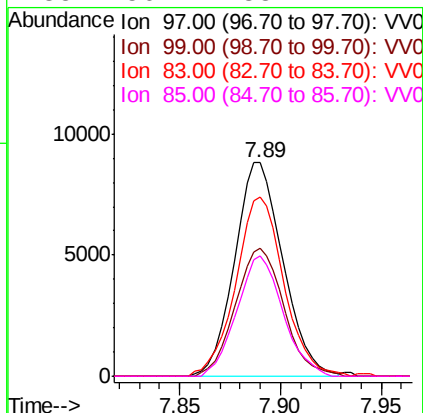
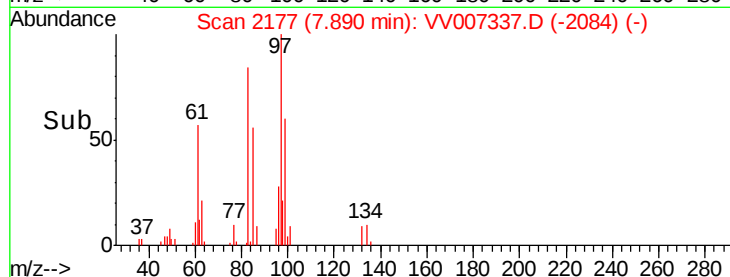
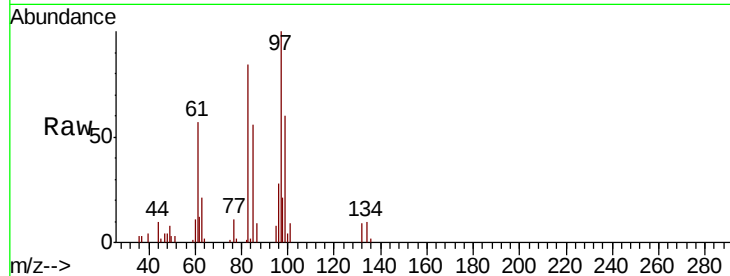




#45
 1,1,2-Trichloroethane
 Concen: 6.279 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007337.D
 Acq: 04 Sep 2018 19:09

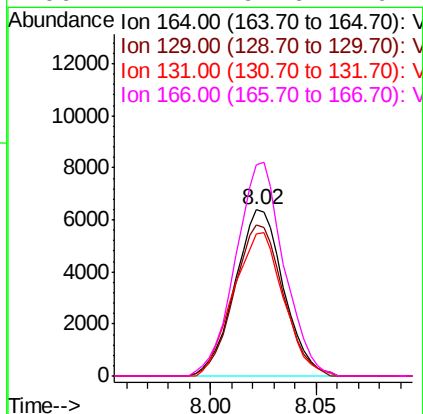
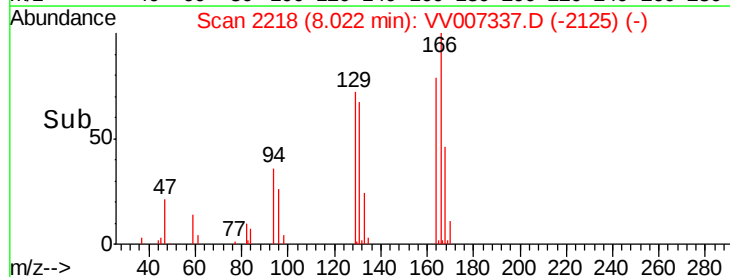
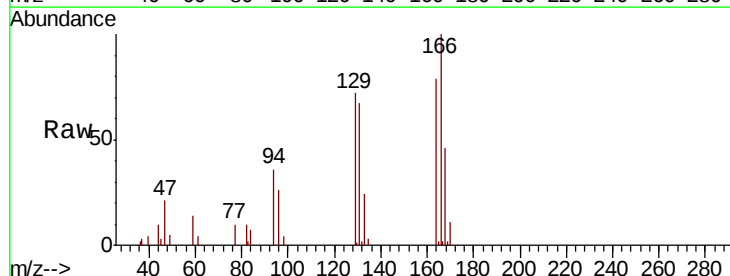
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

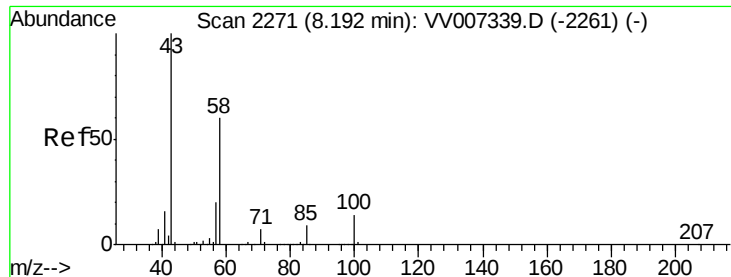
Tgt Ion:	97	Resp:	14784
Ion	Ratio	Lower	Upper
97	100		
99	59.8	44.0	81.6
83	84.2	60.1	111.5
85	56.1	38.4	71.2



#46
 Tetrachloroethene
 Concen: 5.608 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007337.D
 Acq: 04 Sep 2018 19:09

Tgt Ion:	164	Resp:	10295
Ion	Ratio	Lower	Upper
164	100		
129	91.1	63.9	118.7
131	85.4	62.6	116.2
166	127.1	91.6	170.2

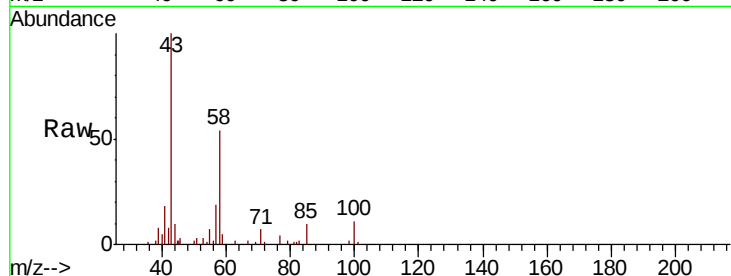




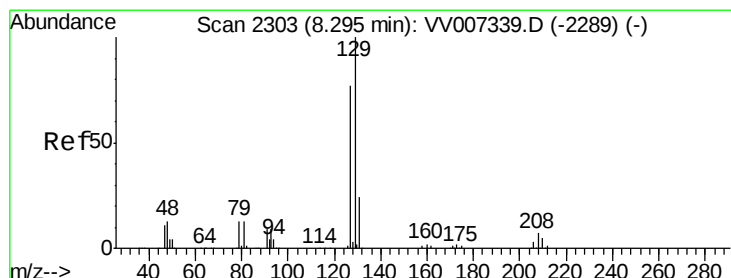
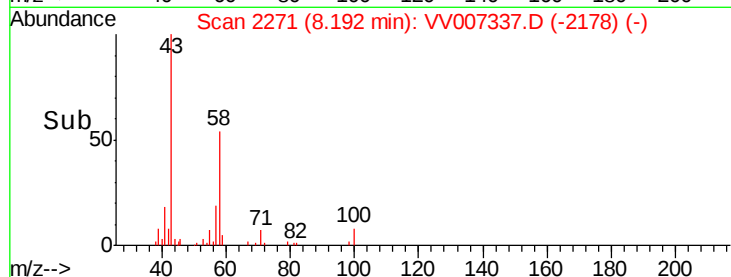
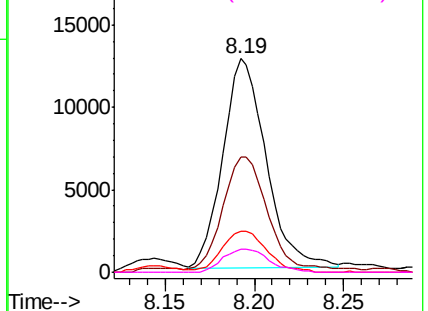
#48
2-Hexanone
Concen: 9.078 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion:	43	Resp:	21335
Ion	Ratio	Lower	Upper
43	100		
58	58.4	48.6	72.8
57	20.5	16.2	24.2
100	11.8	11.1	16.7

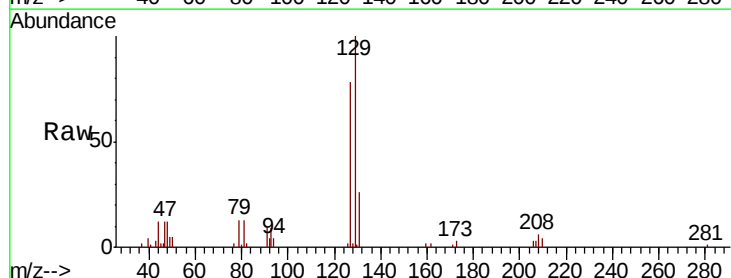


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

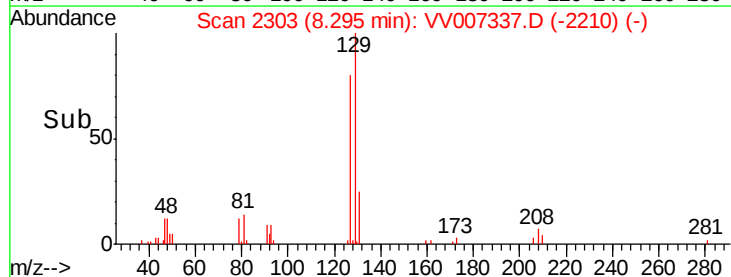
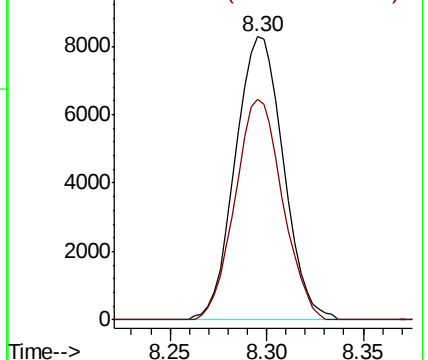


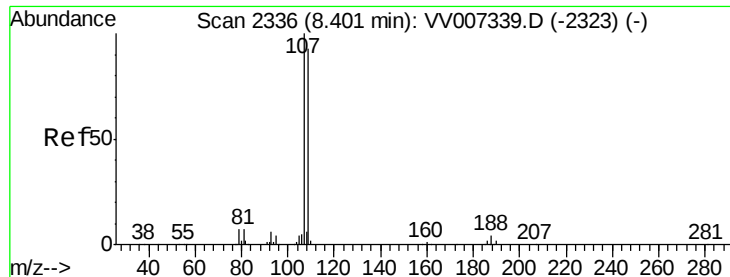
#49
Dibromochloromethane
Concen: 5.827 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

Tgt Ion:	129	Resp:	14289
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.0	100.4



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

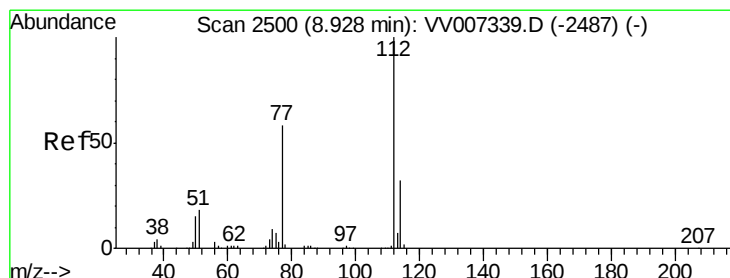
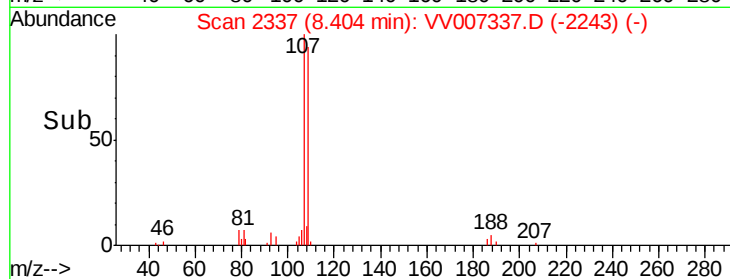
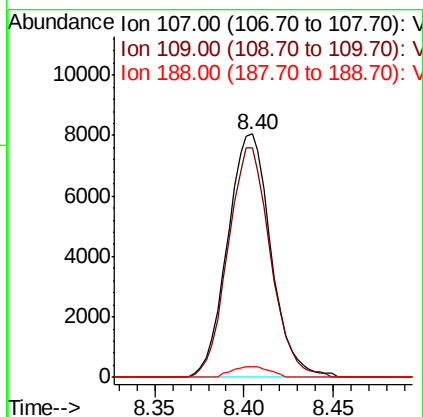
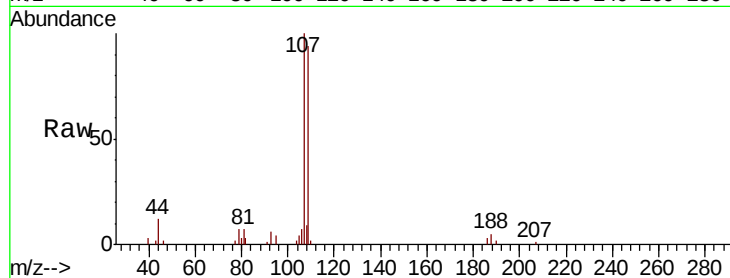




#50
1,2-Dibromoethane
Concen: 5.871 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

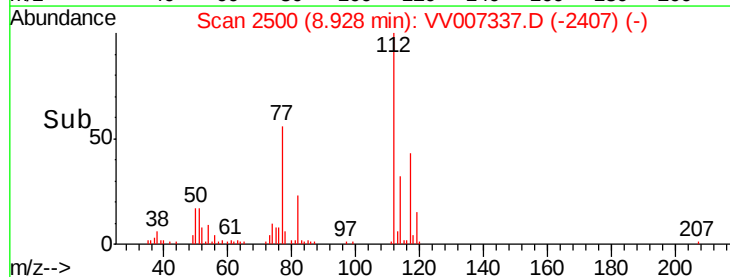
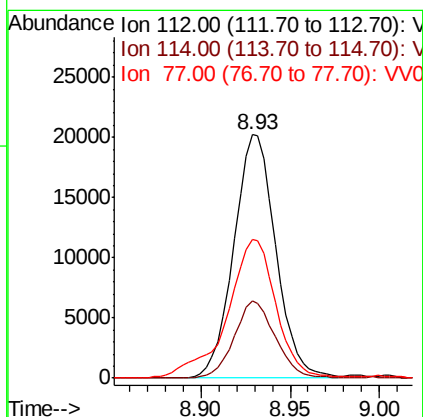
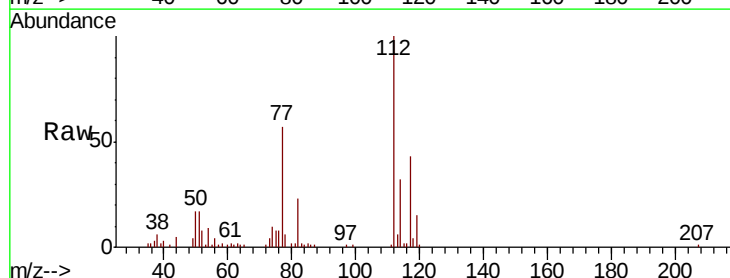
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

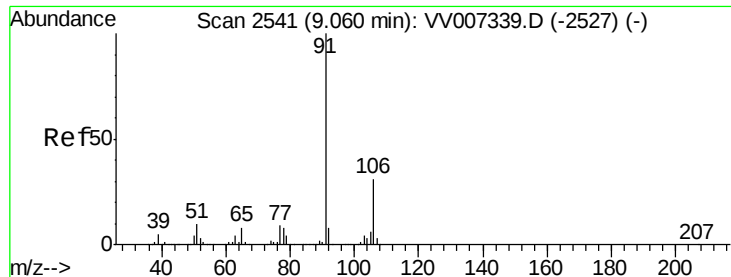
Tgt Ion:107 Resp: 13643
Ion Ratio Lower Upper
107 100
109 94.5 64.8 120.3
188 4.6 3.1 4.7



#51
Chlorobenzene
Concen: 5.448 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007337.D
Acq: 04 Sep 2018 19:09

Tgt Ion:112 Resp: 33100
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.7
77 56.7 46.5 69.7





#52

Ethylbenzene

Concen: 4.350 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

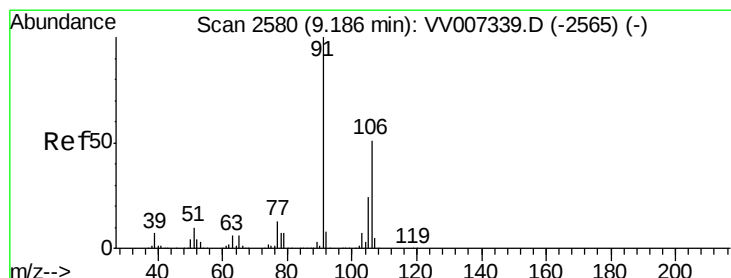
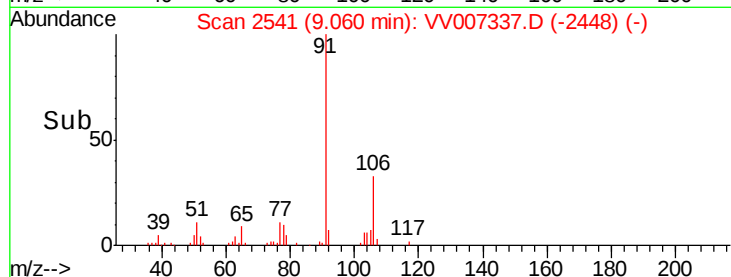
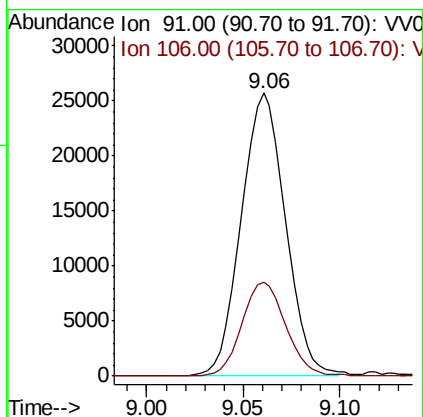
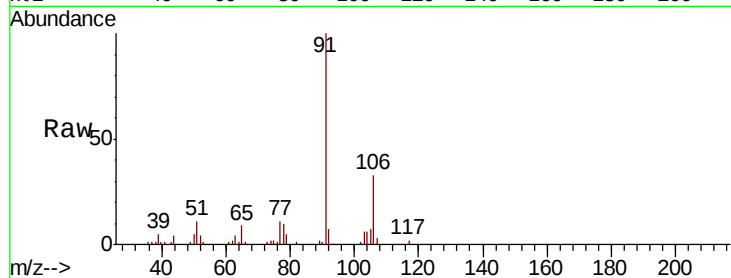
VSTD00580

Tgt Ion: 91 Resp: 40893

Ion Ratio Lower Upper

91 100

106 33.3 21.8 40.4



#53

m,p-Xylene

Concen: 4.282 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV007337.D

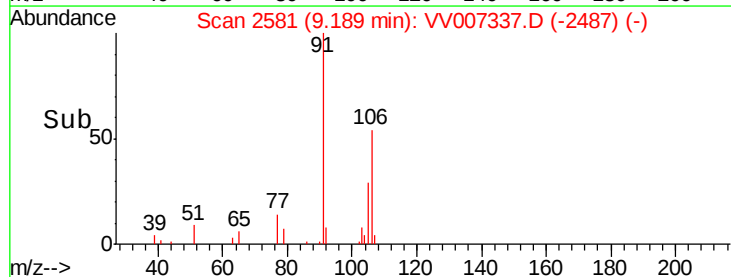
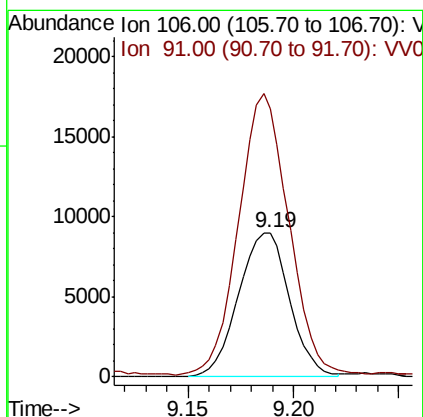
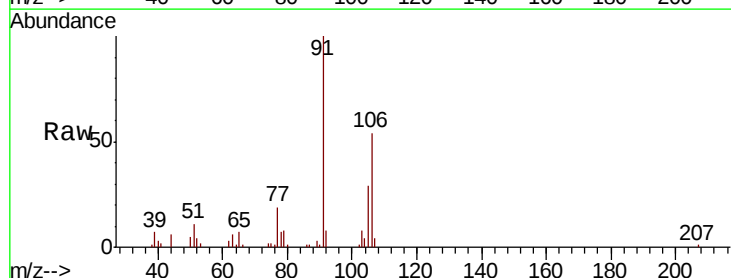
Acq: 04 Sep 2018 19:09

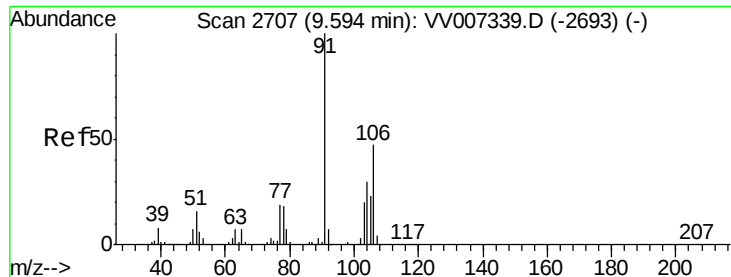
Tgt Ion: 106 Resp: 15160

Ion Ratio Lower Upper

106 100

91 185.7 138.0 256.2





#54

o-xylene

Concen: 4.381 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

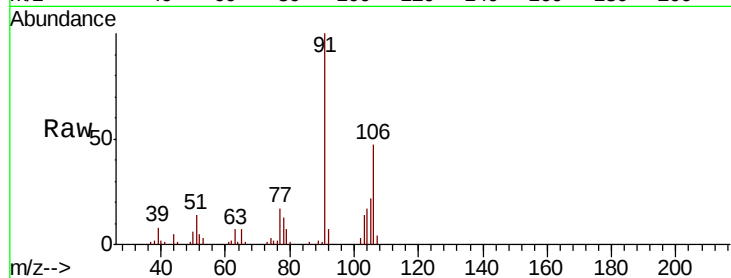
VSTD00580

Tgt Ion:106 Resp: 15102

Ion Ratio Lower Upper

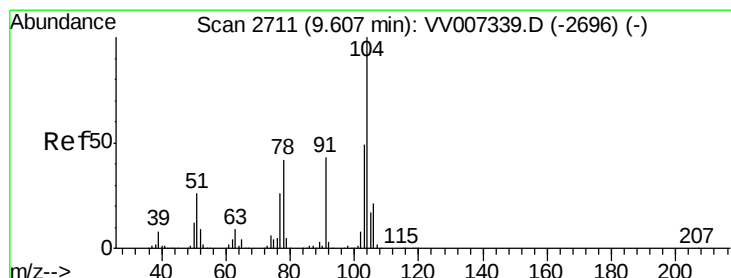
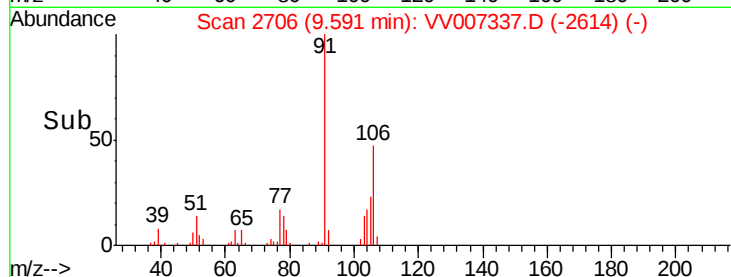
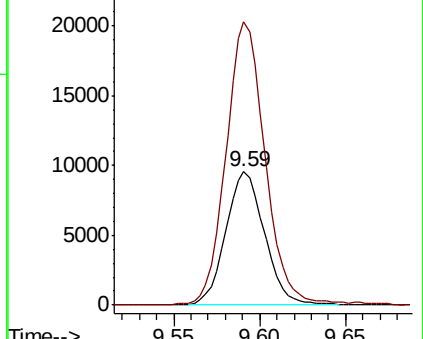
106 100

91 212.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 3.944 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007337.D

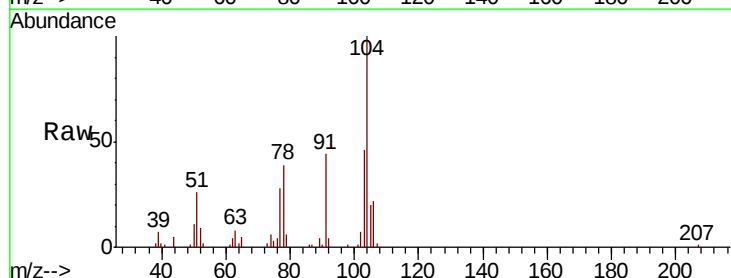
Acq: 04 Sep 2018 19:09

Tgt Ion:104 Resp: 23646

Ion Ratio Lower Upper

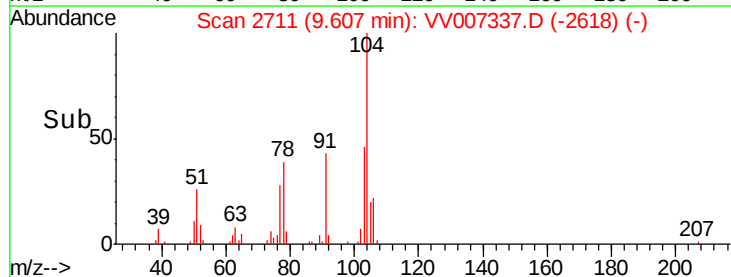
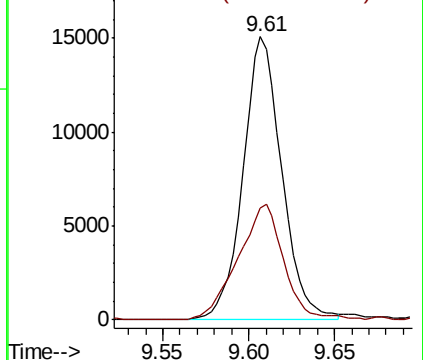
104 100

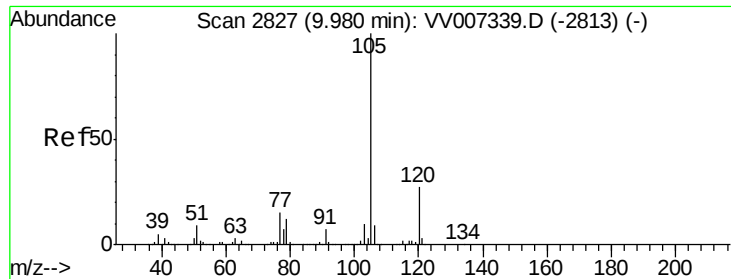
78 39.5 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.083 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

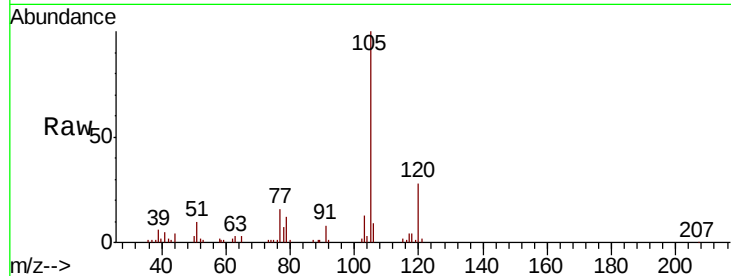
Tgt Ion:105 Resp: 35999

Ion Ratio Lower Upper

105 100

120 27.5 21.4 32.0

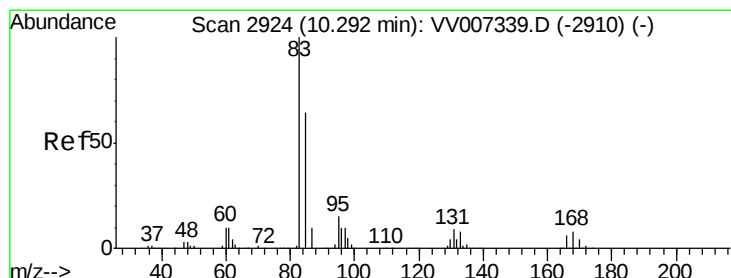
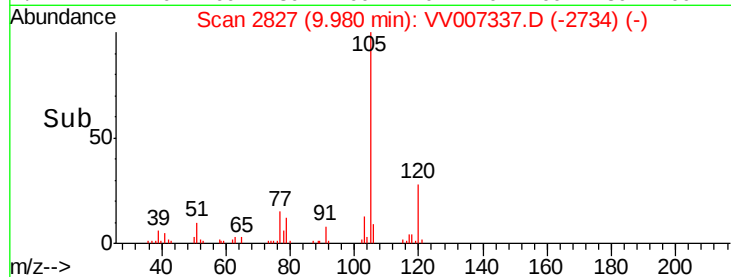
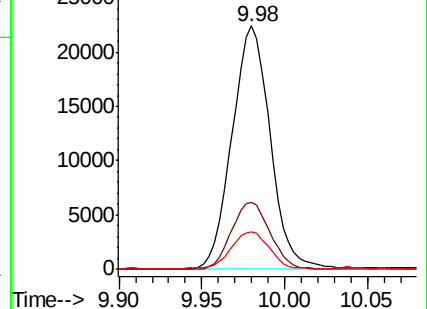
77 15.6 12.0 18.0



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: 5.952 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

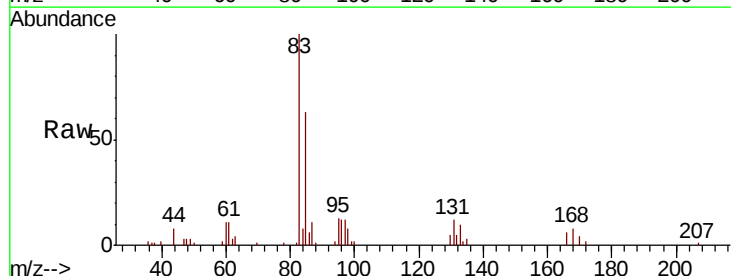
Tgt Ion: 83 Resp: 22378

Ion Ratio Lower Upper

83 100

85 62.8 44.7 82.9

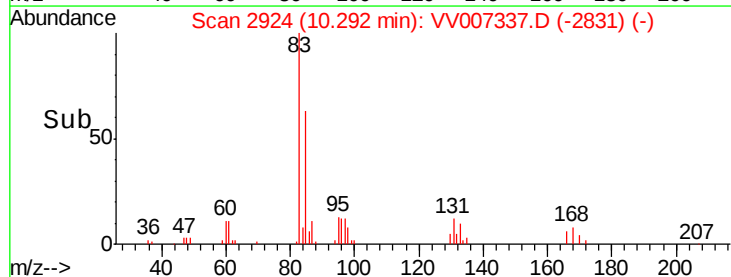
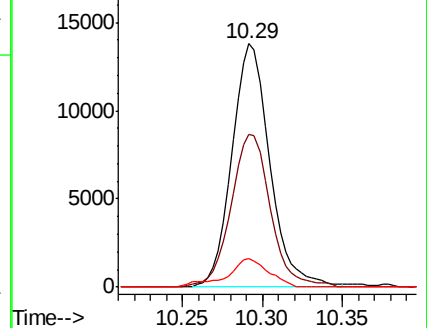
131 11.6 7.8 11.6

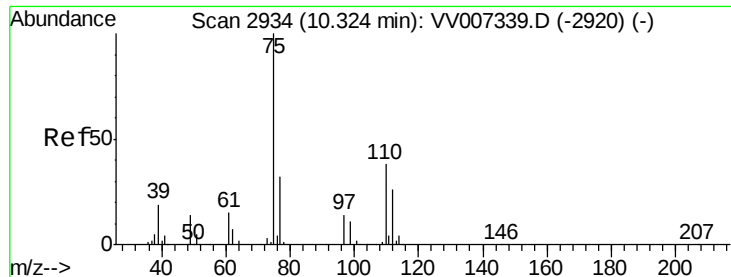


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.786 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

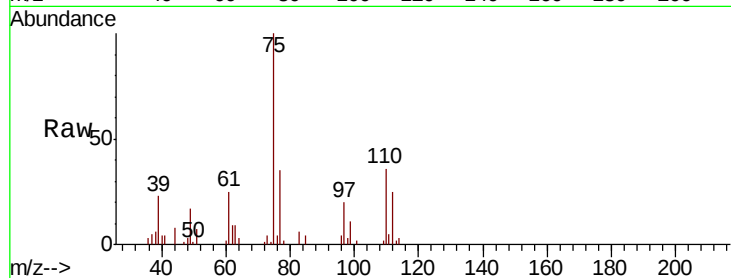
VSTD00580

Tgt Ion: 75 Resp: 17474

Ion Ratio Lower Upper

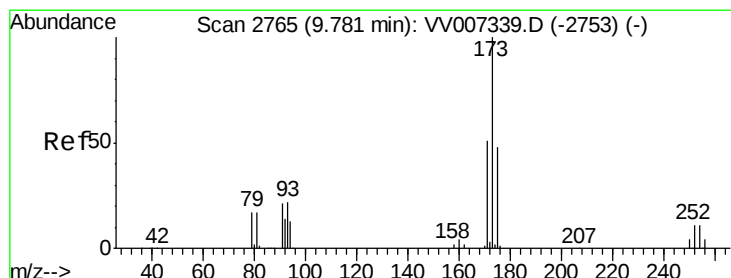
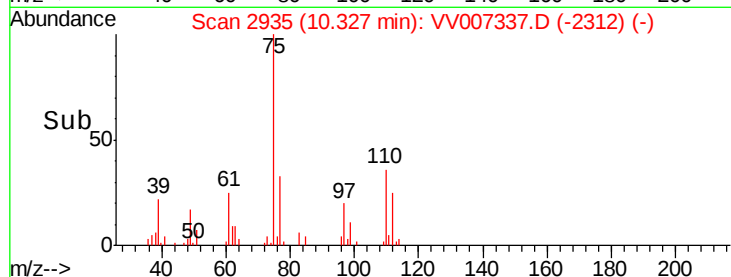
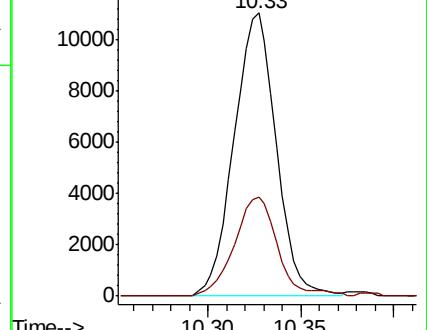
75 100

77 34.8 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) (-)



#61

Bromoform

Concen: 6.686 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

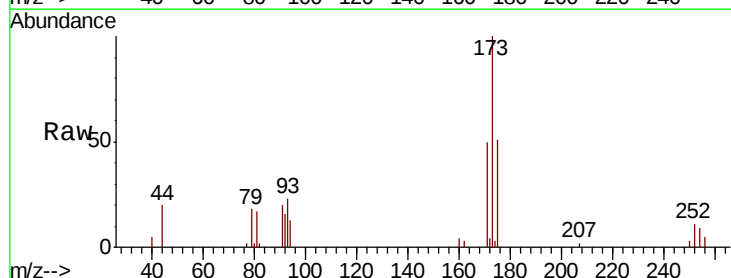
Tgt Ion: 173 Resp: 10254

Ion Ratio Lower Upper

173 100

175 49.5 39.0 58.6

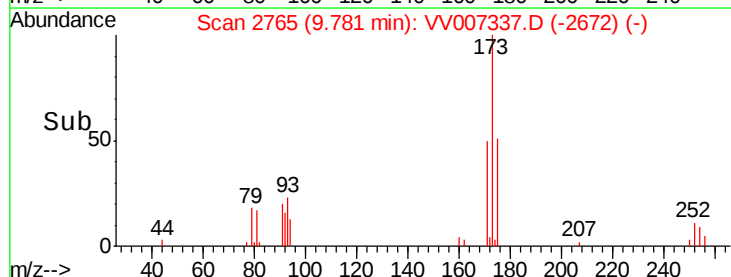
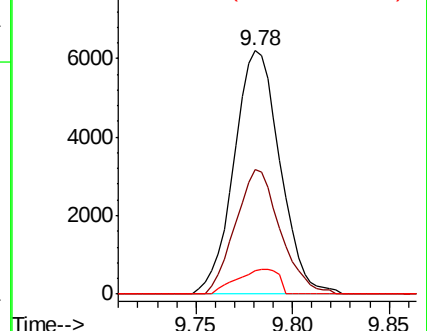
254 9.2 9.3 13.9#

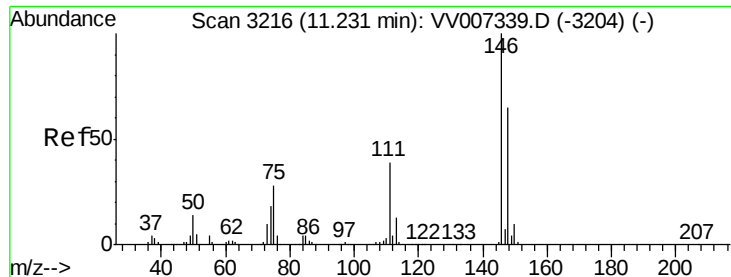


Abundance Ion 173.00 (172.70 to 173.70): VV007339.D (-2753) (-)

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

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





#62

1,3-Dichlorobenzene

Concen: 5.464 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

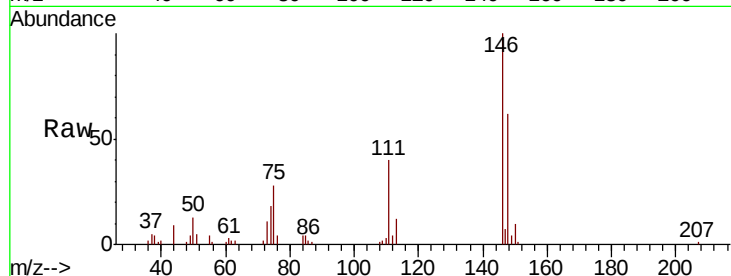
Tgt Ion:146 Resp: 19621

Ion Ratio Lower Upper

146 100

111 40.0 27.5 51.1

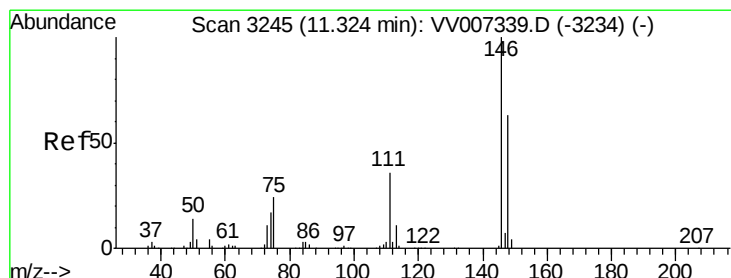
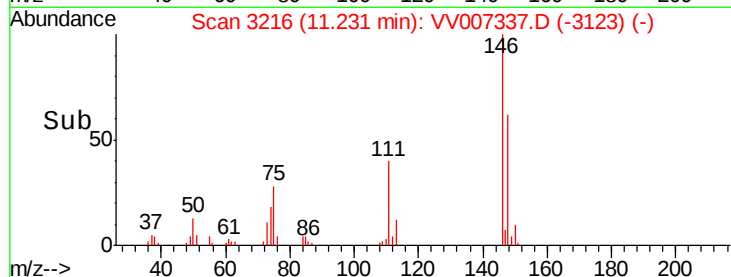
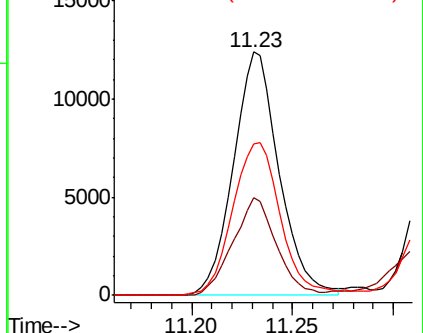
148 62.1 45.7 84.9



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: 5.402 ug/L

RT: 11.32 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

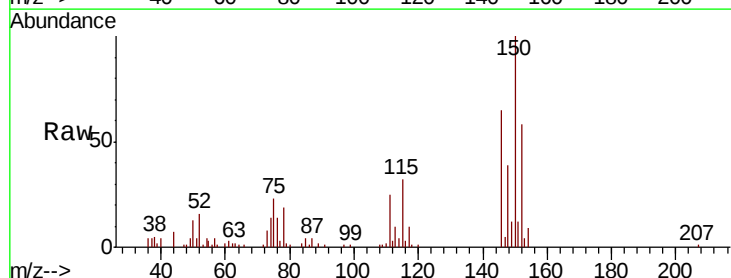
Tgt Ion:146 Resp: 20805

Ion Ratio Lower Upper

146 100

111 38.7 25.6 47.6

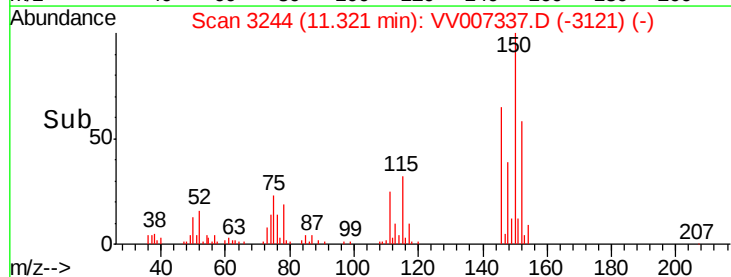
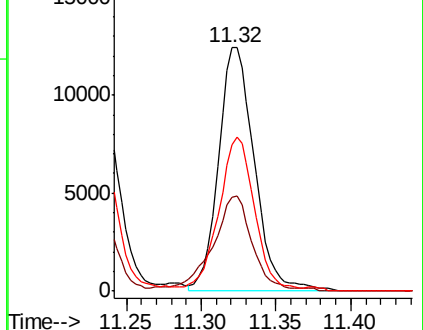
148 60.2 44.2 82.0

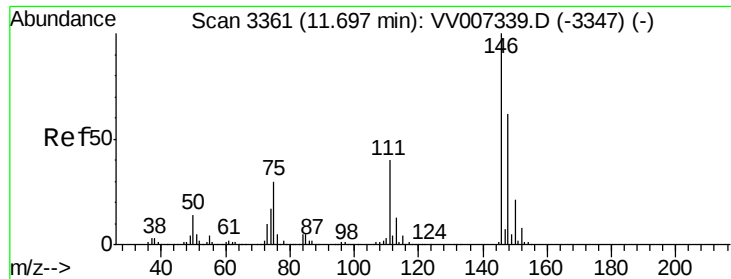


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.619 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

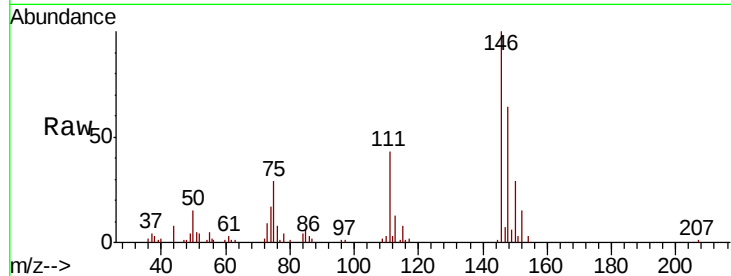
Tgt Ion:146 Resp: 22010

Ion Ratio Lower Upper

146 100

111 43.2 31.7 47.5

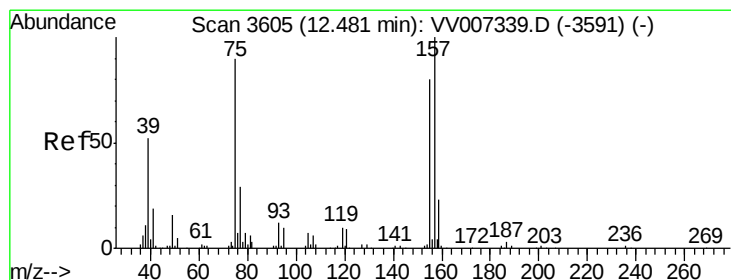
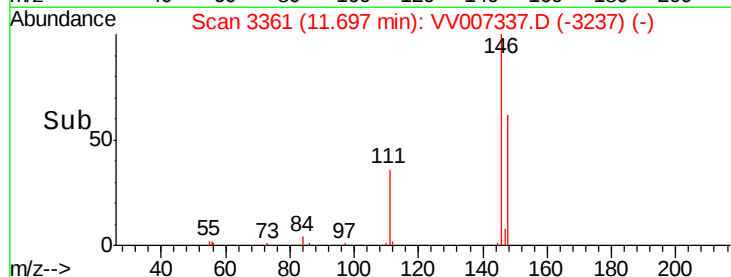
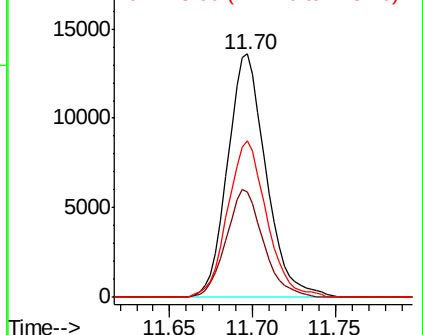
148 64.3 50.0 75.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 6.169 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

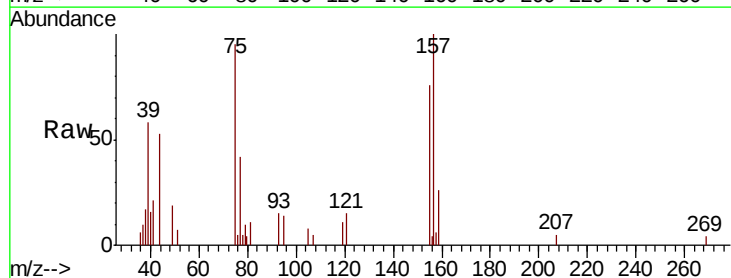
Tgt Ion: 75 Resp: 4006

Ion Ratio Lower Upper

75 100

155 79.9 70.6 105.8

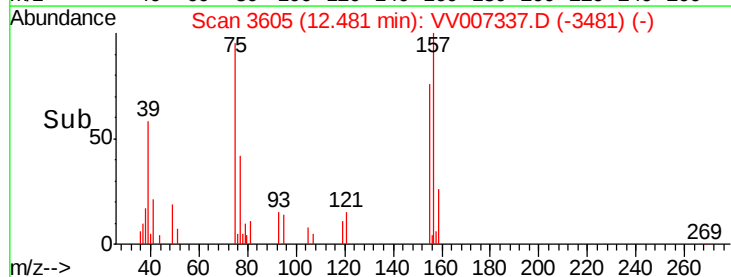
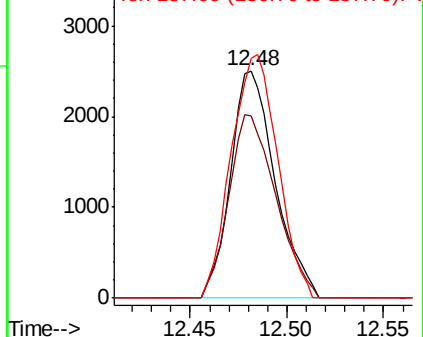
157 105.5 88.6 132.8

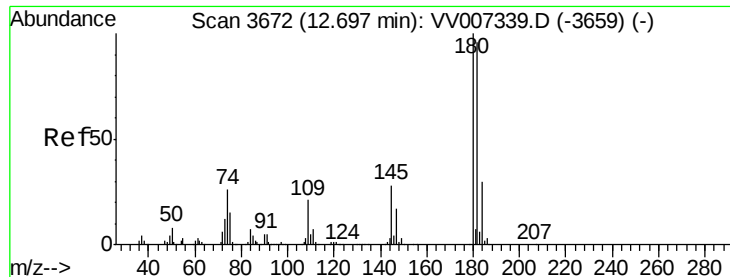


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

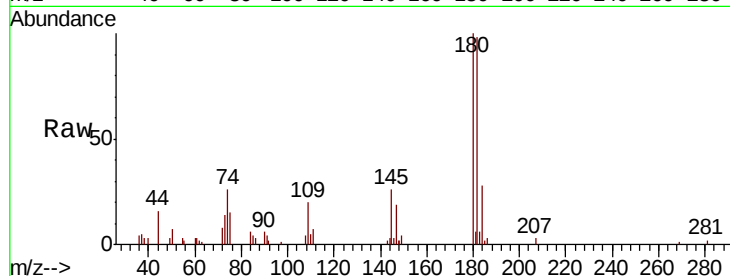




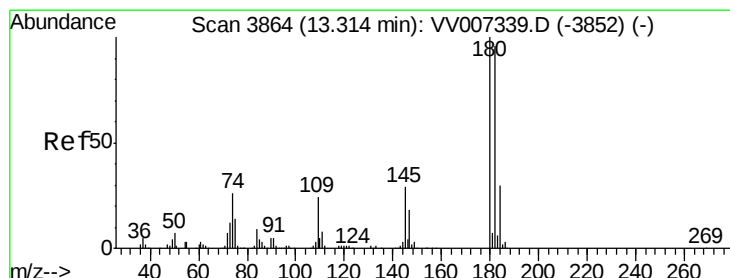
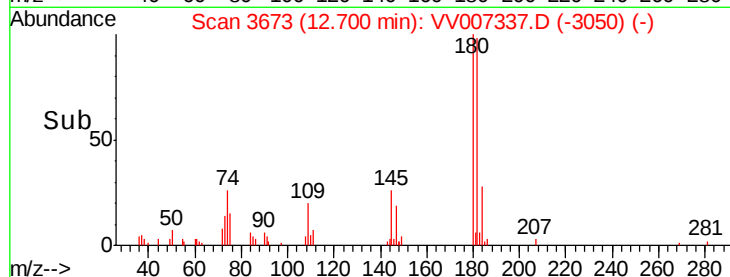
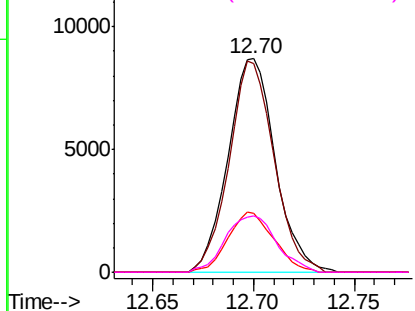
#67
 1,3,5-Trichlorobenzene
 Concen: 5.200 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007337.D
 Acq: 04 Sep 2018 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion:	180	Resp:	14262
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
184	27.5	24.2	36.2
145	28.8	22.6	34.0

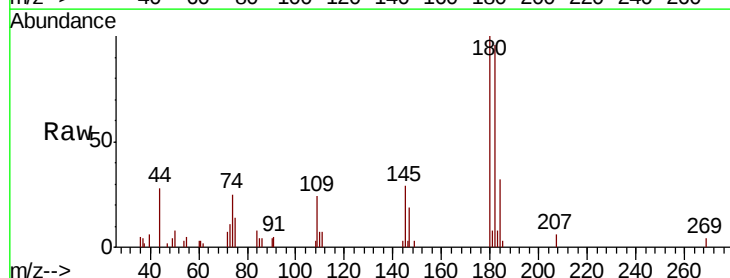


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

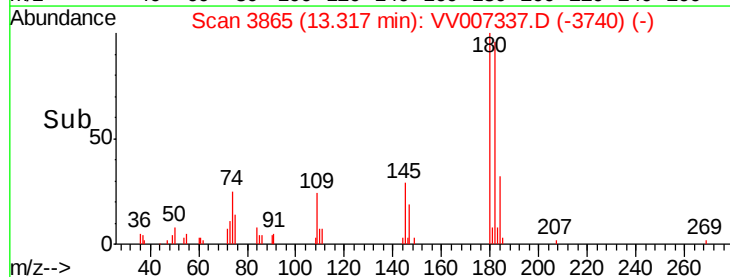
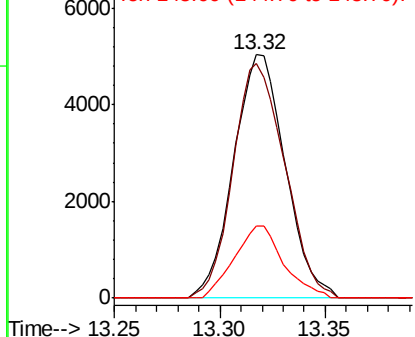


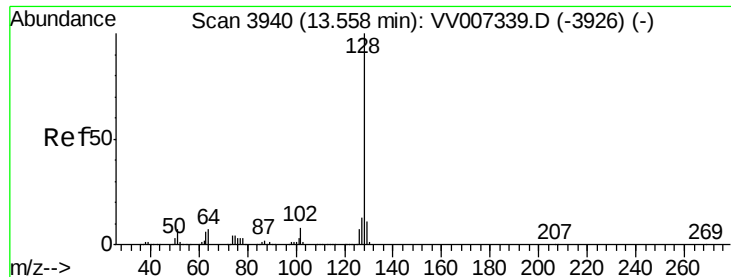
#68
 1,2,4-trichlorobenzene
 Concen: 3.955 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007337.D
 Acq: 04 Sep 2018 19:09

Tgt Ion:	180	Resp:	8577
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.4
145	28.2	22.9	34.3



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





#69

Naphthalene

Concen: 3.333 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

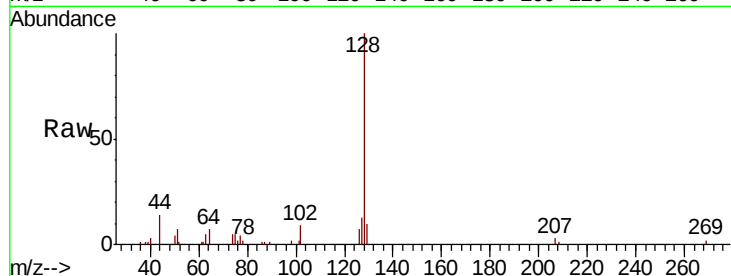
Tgt Ion:128 Resp: 20511

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.8 8.7 13.1

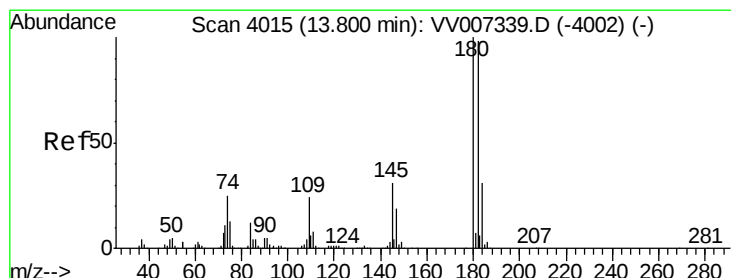
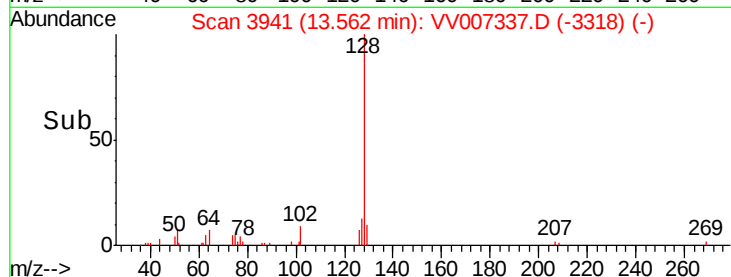
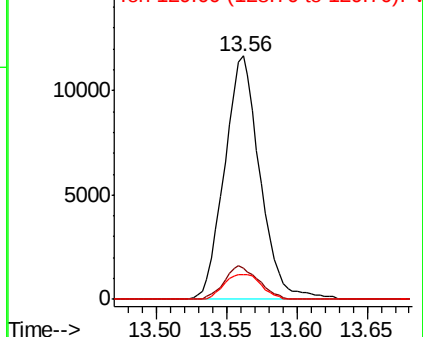


Abundance

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: 4.052 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007337.D

Acq: 04 Sep 2018 19:09

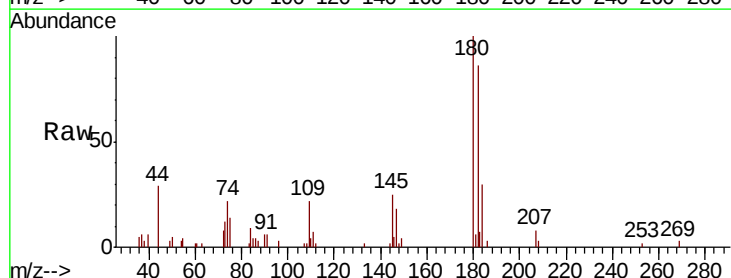
Tgt Ion:180 Resp: 9553

Ion Ratio Lower Upper

180 100

182 93.5 77.2 115.8

145 26.2 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

