

Data File : VV009859.D
Acq On : 25 Mar 2019 13:48
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Quant Time: Mar 26 06:05:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	185908	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175711	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10229	7.34	ug/L	0.00
7) Chloroethane-d5	1.56	69	11108	8.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	29062	9.86	ug/L	0.00
21) 2-Butanone-d5	3.93	46	3222	3.54	ug/L	0.00
24) Chloroform-d	4.41	84	12684	5.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	8985	6.42	ug/L	0.00
32) Benzene-d6	5.10	84	24438	5.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7436	5.15	ug/L	0.00
41) Toluene-d8	7.36	98	22089	5.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	3029	4.39	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	5003	7.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	10999	4.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	8803	5.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9767	6.212 ug/L	96
3) Chloromethane	1.25	50	10229	6.584 ug/L	99
5) Vinyl chloride	1.33	62	14070	8.017 ug/L	97
6) Bromomethane	1.51	94	12767	11.829 ug/L	97
8) Chloroethane	1.58	64	10188	8.811 ug/L	95
9) Trichlorofluoromethane	1.76	101	29487	11.085 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16139	10.386 ug/L	98
12) 1,1-Dichloroethene	2.14	96	13568	9.153 ug/L	85
13) Acetone	2.19	43	10741	11.329 ug/L	99
14) Carbon disulfide	2.32	76	19665	5.472 ug/L	99
15) Methyl Acetate	2.46	43	7533	5.478 ug/L	99
16) Methylene chloride	2.53	84	8018	5.703 ug/L	91
17) trans-1,2-Dichloroethene	2.79	96	7971	6.172 ug/L	85
18) Methyl tert-butyl Ether	2.80	73	21120	5.591 ug/L	99
19) 1,1-Dichloroethane	3.23	63	13033	5.712 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	8130	5.698 ug/L	90
22) 2-Butanone	4.03	43	9825	8.825 ug/L	76
23) Bromochloromethane	4.30	128	2154	2.848 ug/L	87
25) Chloroform	4.43	83	14855	6.213 ug/L	95
27) 1,2-Dichloroethane	5.18	62	11269	6.474 ug/L	100
29) Cyclohexane	4.73	56	11317	5.972 ug/L #	90
30) 1,1,1-Trichloroethane	4.66	97	10971	5.771 ug/L #	35
31) Carbon tetrachloride	4.88	117	9372	5.588 ug/L	93
33) Benzene	5.15	78	30853	6.124 ug/L	100
34) Trichloroethene	5.96	95	7599	5.729 ug/L	95
35) Methylcyclohexane	6.18	83	12773	6.146 ug/L	95
37) 1,2-Dichloropropane	6.23	63	8175	6.354 ug/L #	93
38) Bromodichloromethane	6.56	83	9243	5.593 ug/L #	90
40) 4-Methyl-2-pentanone	7.27	43	18921	10.628 ug/L	98
42) Toluene	7.43	91	30779	5.567 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	7678	4.308	ug/L	85
45) 1,1,2-Trichloroethane	7.88	97	6958	5.272	ug/L	93
46) Tetrachloroethene	8.02	164	6302	5.741	ug/L	94
48) 2-Hexanone	8.19	43	11248	7.625	ug/L #	88
49) Dibromochloromethane	8.29	129	6112	4.213	ug/L	95
50) 1,2-Dibromoethane	8.40	107	6828	4.712	ug/L #	84
51) Chlorobenzene	8.93	112	21150	5.775	ug/L	93
52) Ethylbenzene	9.05	91	32638	5.412	ug/L	99
53) m,p-Xylene	9.18	106	12254	5.283	ug/L	94
54) o-xylene	9.59	106	12206	5.305	ug/L	90
55) Styrene	9.61	104	17502	4.516	ug/L	98
56) Isopropylbenzene	9.97	105	29499	4.980	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	11516	5.023	ug/L #	87
59) 1,2,3-Trichloropropane	10.32	75	9812	5.632	ug/L	95
61) Bromoform	9.78	173	3966	4.453	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	14574	6.307	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	15256	6.340	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	14152	5.956	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1900	5.013	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	8807	4.975	ug/L	92
68) 1,2,4-trichlorobenzene	13.31	180	7031	4.587	ug/L	100
69) Naphthalene	13.55	128	14117	2.963	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	6608	4.134	ug/L	86

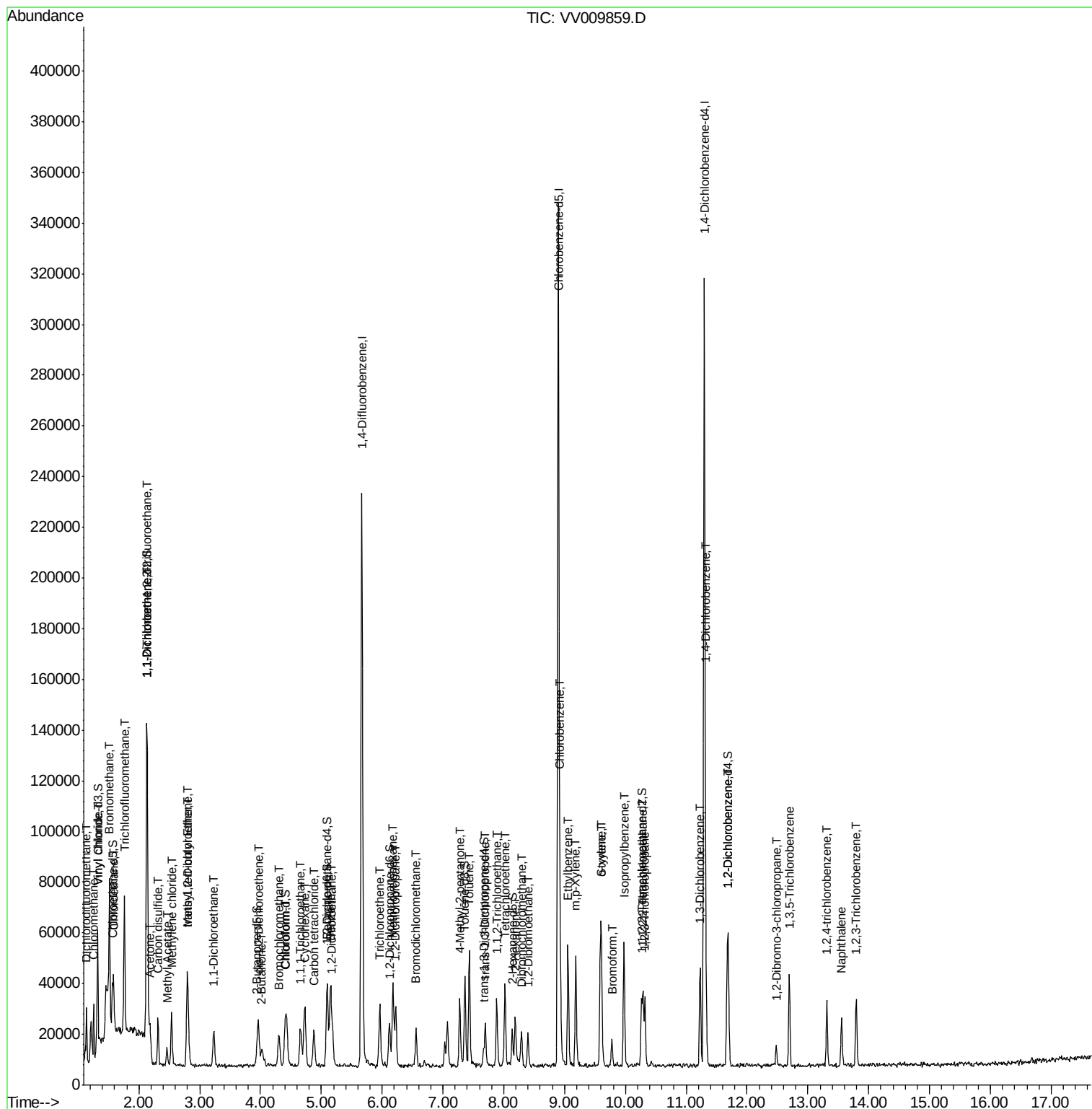
(#) = qualifier out of range (m) = manual integration (+) = signals summed

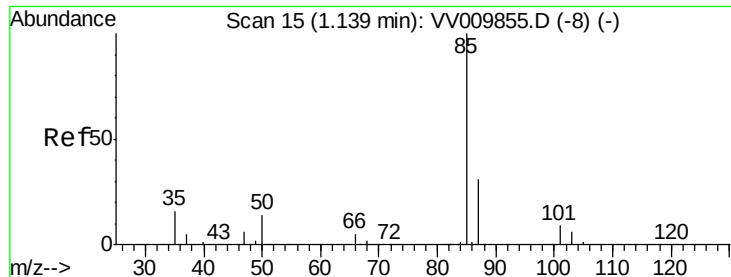
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#2

Dichlorodifluoromethane

Concen: 6.212 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

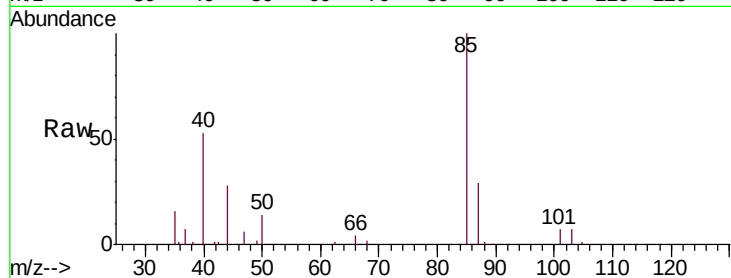
VSTD00568

Tgt Ion: 85 Resp: 9767

Ion Ratio Lower Upper

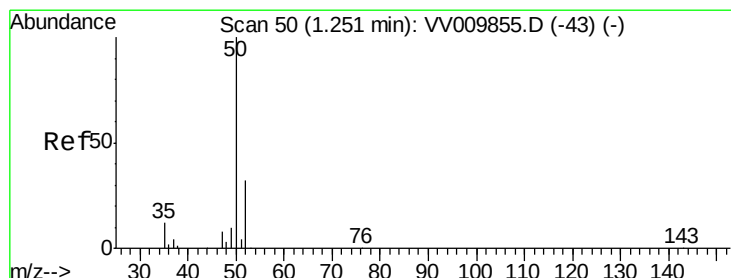
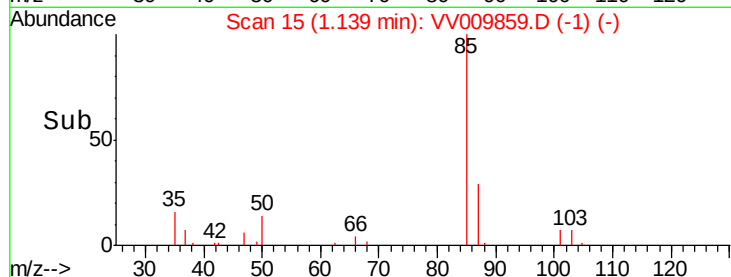
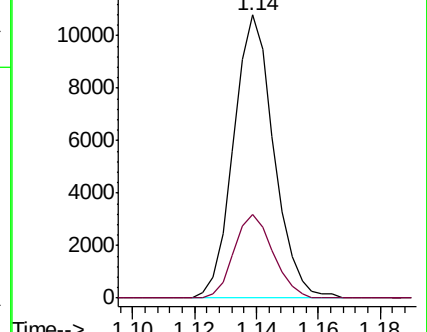
85 100

87 28.5 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV009855.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009855.D (-8) (-)



#3

Chloromethane

Concen: 6.584 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009859.D

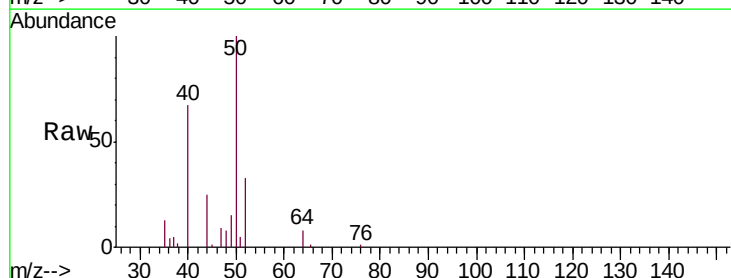
Acq: 25 Mar 2019 13:48

Tgt Ion: 50 Resp: 10229

Ion Ratio Lower Upper

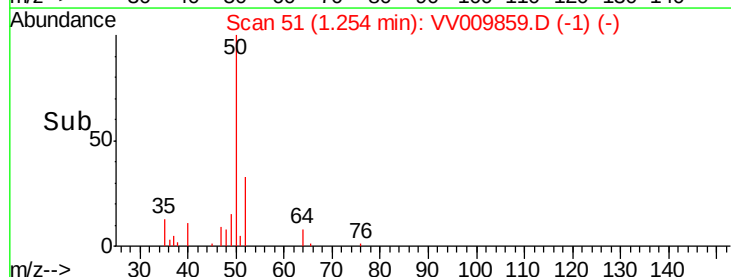
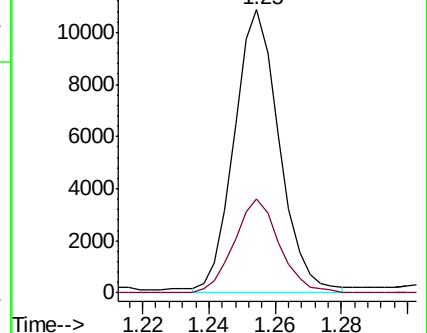
50 100

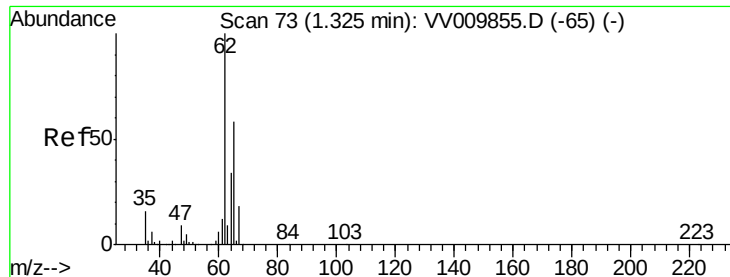
52 33.1 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV009855.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009855.D (-43) (-)





#5

Vinyl chloride

Concen: 8.017 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

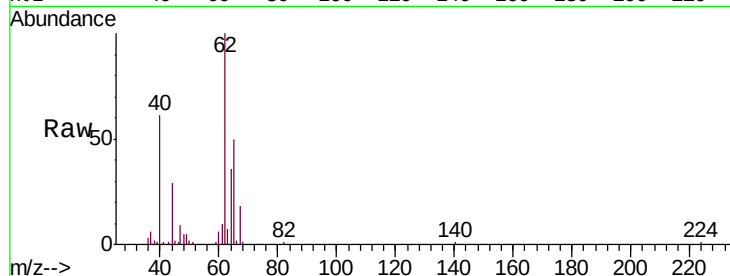
VSTD00568

Tgt Ion: 62 Resp: 14070

Ion Ratio Lower Upper

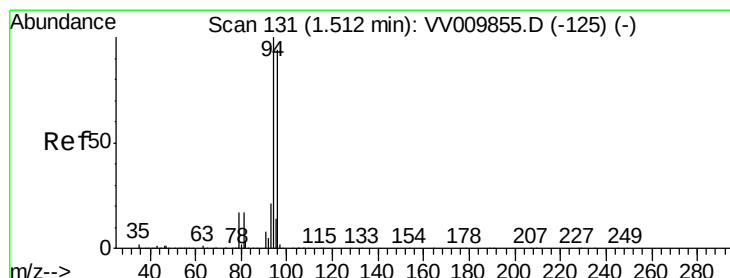
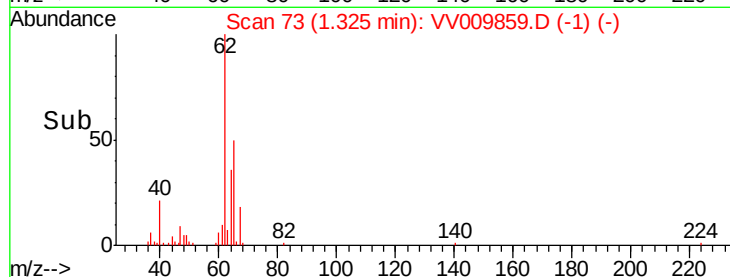
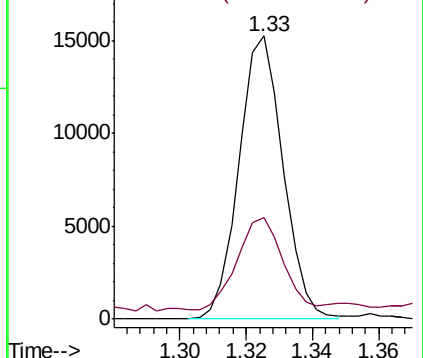
62 100

64 35.7 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 11.829 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV009859.D

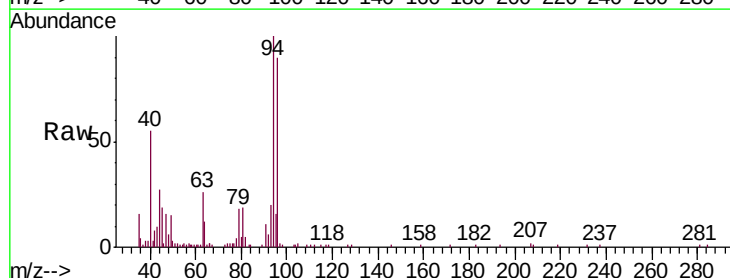
Acq: 25 Mar 2019 13:48

Tgt Ion: 94 Resp: 12767

Ion Ratio Lower Upper

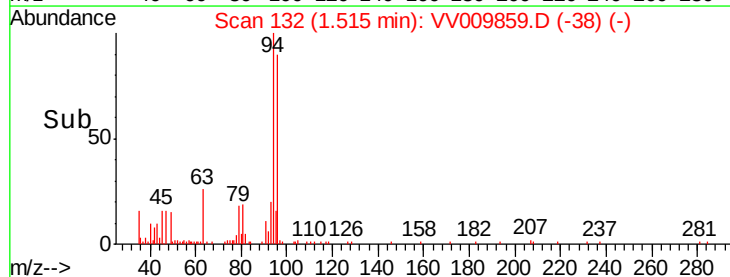
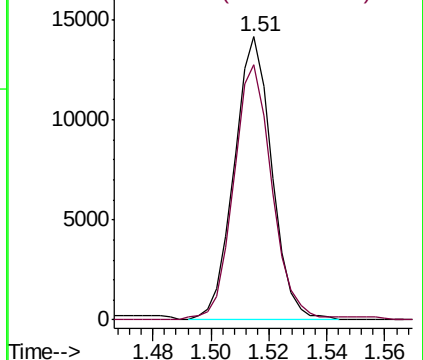
94 100

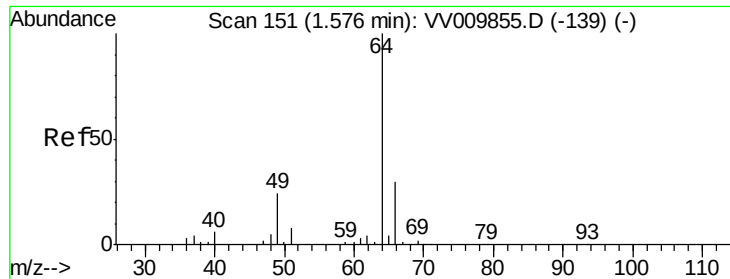
96 90.1 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 8.811 ug/L

RT: 1.58 min Scan# 153

Delta R.T. 0.01 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

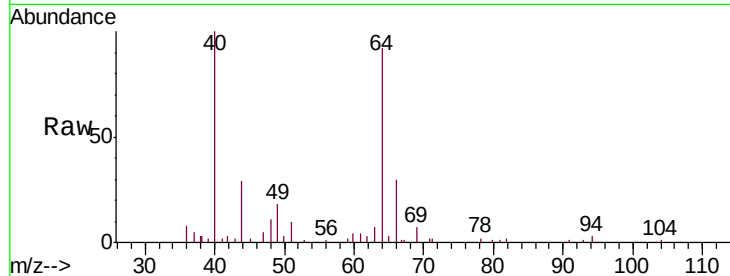
VSTD00568

Tgt Ion: 64 Resp: 10188

Ion Ratio Lower Upper

64 100

66 32.6 20.9 38.7

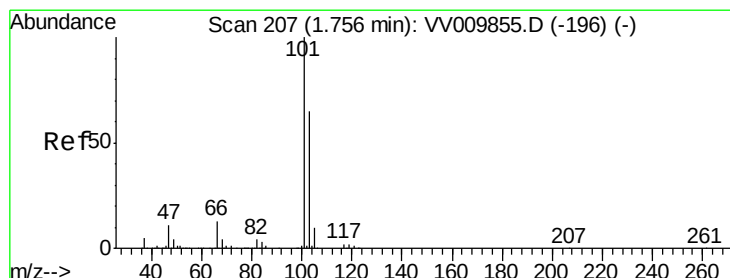
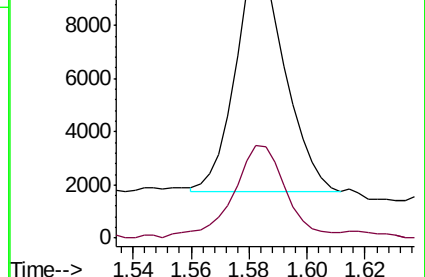
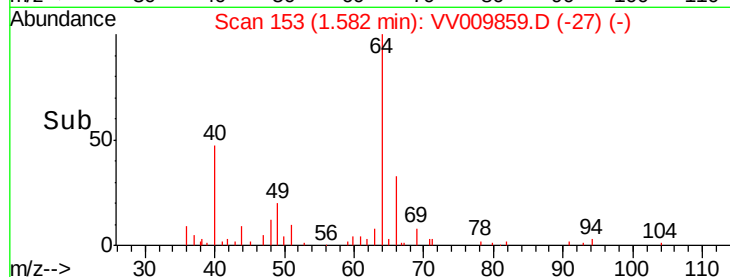


Abundance Ion 64.00 (63.70 to 64.70): VV009859.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VV009859.D (-153) (-)

1.58

Time-->



#9

Trichlorofluoromethane

Concen: 11.085 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV009859.D

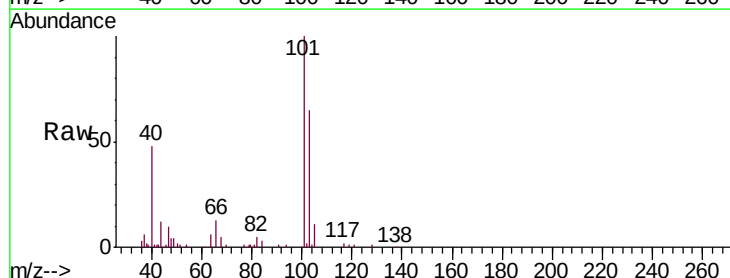
Acq: 25 Mar 2019 13:48

Tgt Ion: 101 Resp: 29487

Ion Ratio Lower Upper

101 100

103 65.0 52.2 78.4

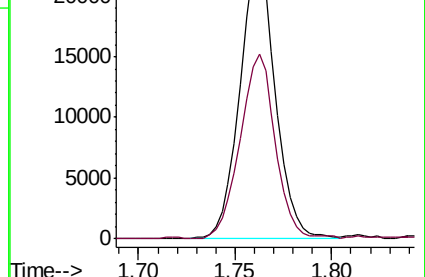
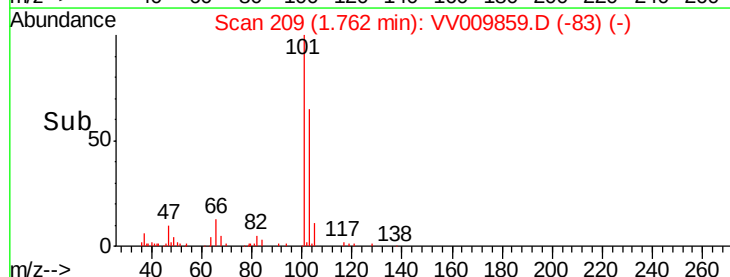


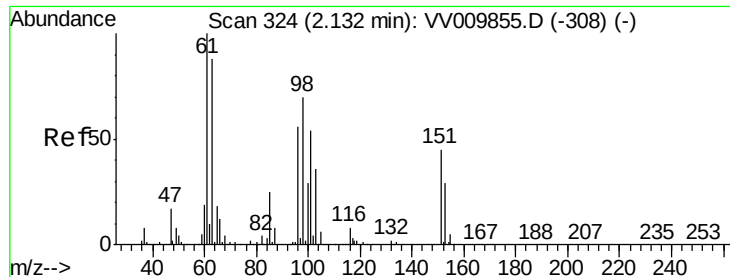
Abundance Ion 101.00 (100.70 to 101.70): VV009859.D (-207) (-)

Ion 103.00 (102.70 to 103.70): VV009859.D (-207) (-)

1.76

Time-->





#10

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

Concen: 10.386 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

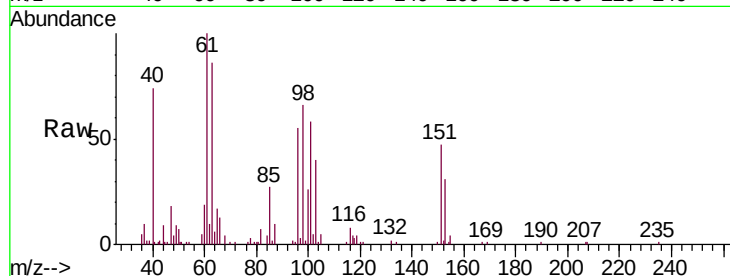
Tgt Ion:101 Resp: 16139

Ion Ratio Lower Upper

101 100

85 47.5 37.0 55.4

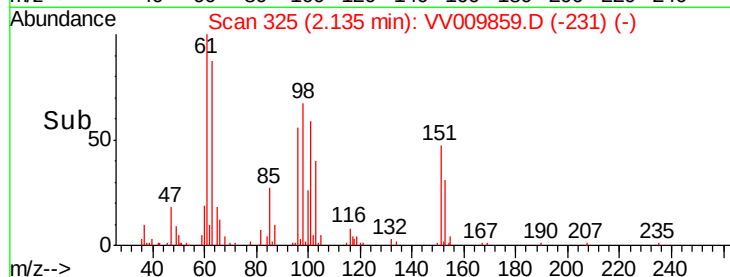
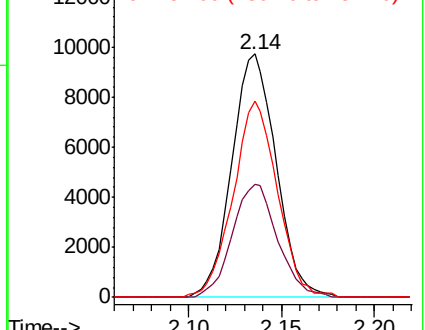
151 80.2 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.153 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

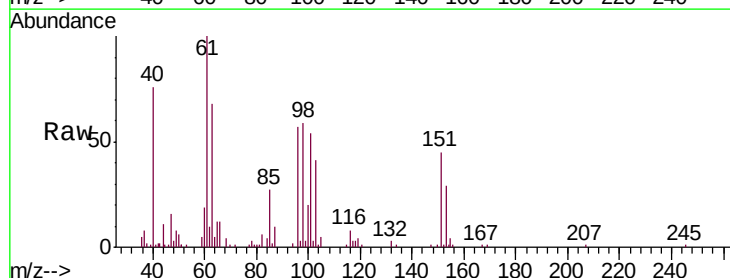
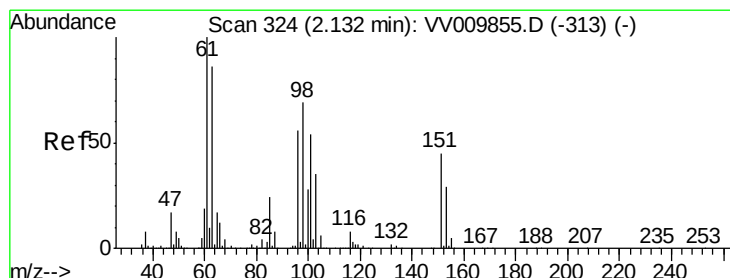
Tgt Ion: 96 Resp: 13568

Ion Ratio Lower Upper

96 100

61 175.3 125.3 232.7

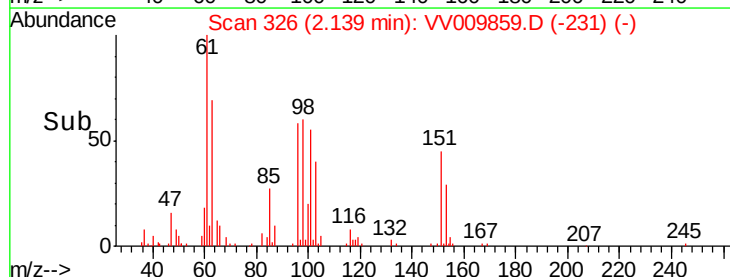
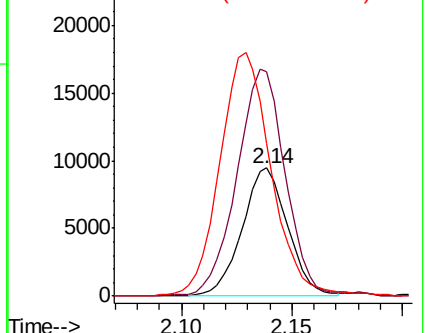
63 119.1 109.7 203.7

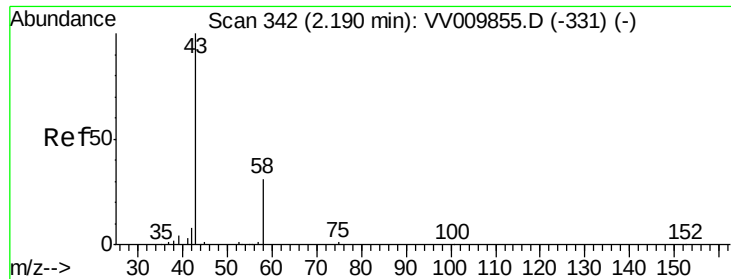


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 11.329 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

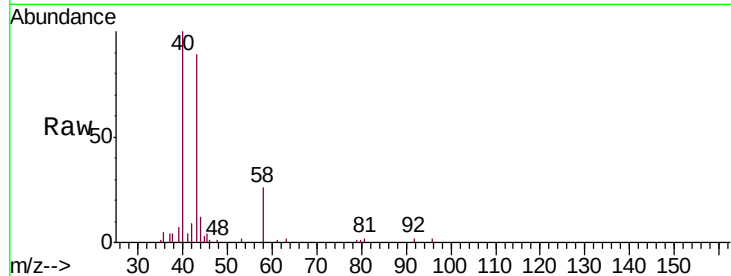
VSTD00568

Tgt Ion: 43 Resp: 10741

Ion Ratio Lower Upper

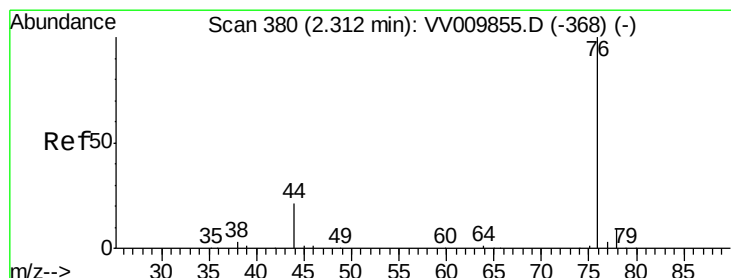
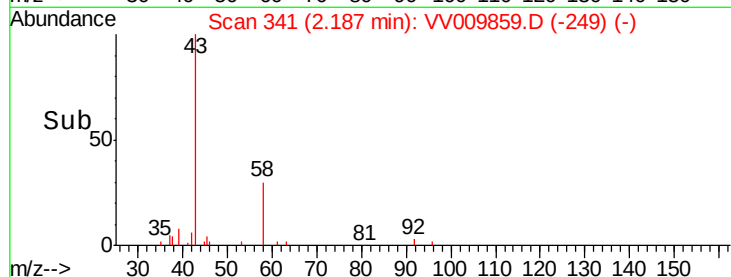
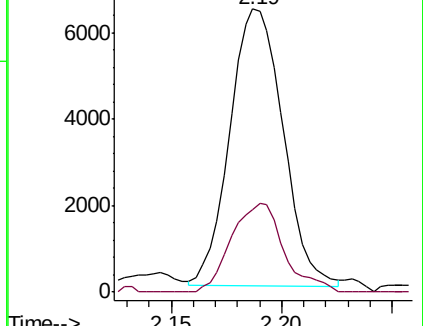
43 100

58 31.8 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV009855.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009855.D (-331) (-)



#14

Carbon disulfide

Concen: 5.472 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009859.D

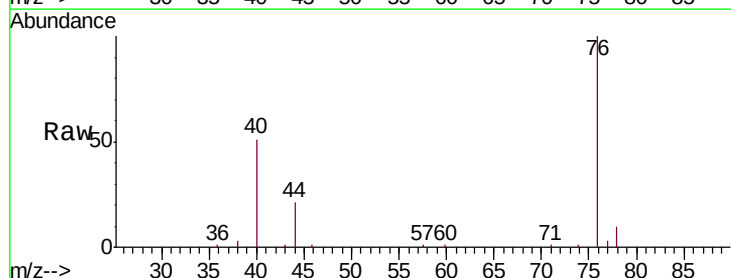
Acq: 25 Mar 2019 13:48

Tgt Ion: 76 Resp: 19665

Ion Ratio Lower Upper

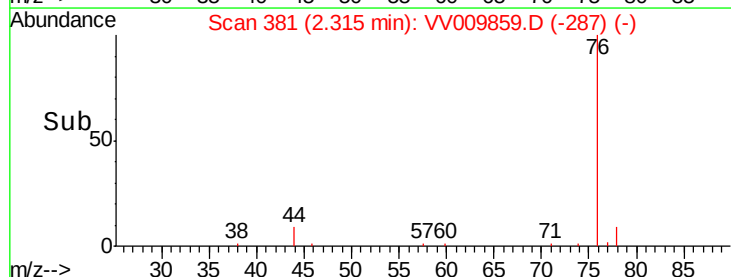
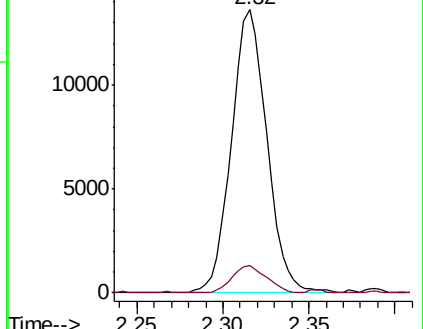
76 100

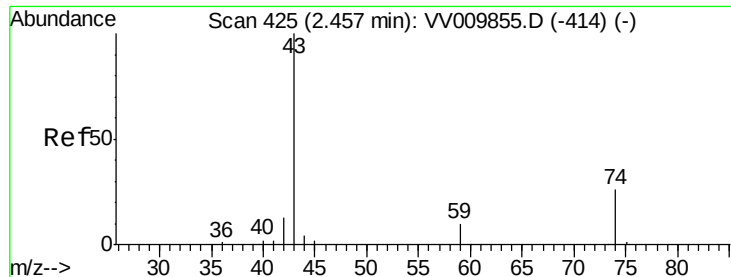
78 9.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV009855.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009855.D (-368) (-)





#15

Methyl Acetate

Concen: 5.478 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

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ClientSampleId :

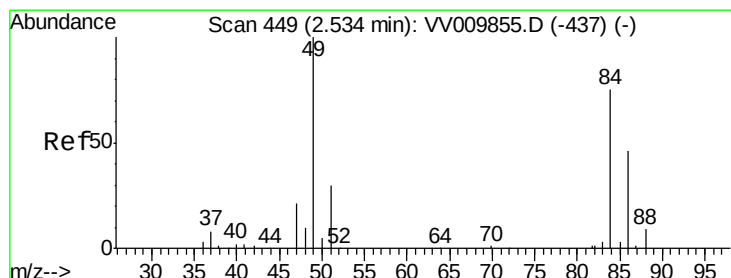
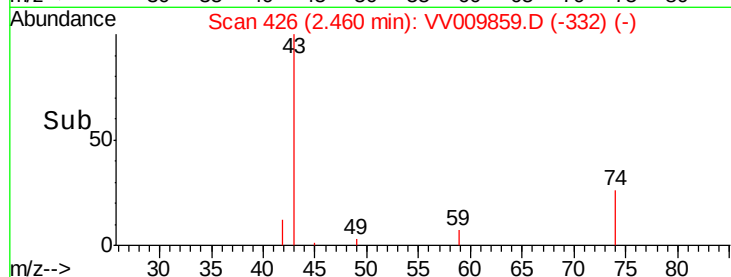
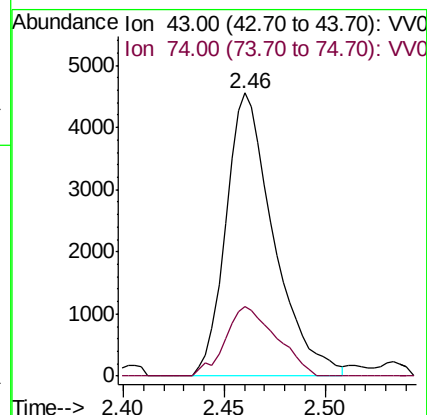
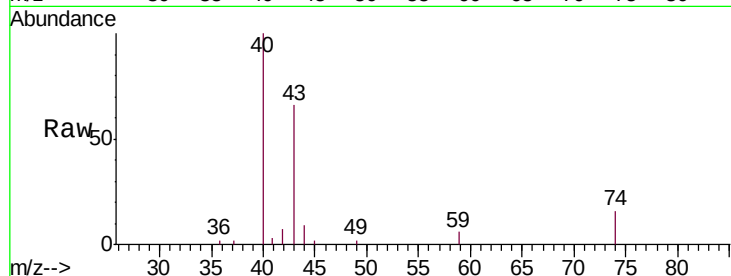
VSTD00568

Tgt Ion: 43 Resp: 7533

Ion Ratio Lower Upper

43 100

74 26.3 20.6 31.0



#16

Methylene chloride

Concen: 5.703 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

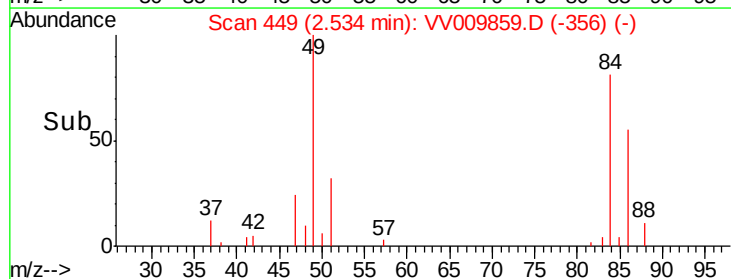
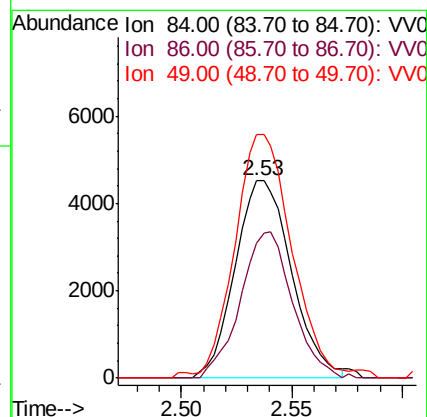
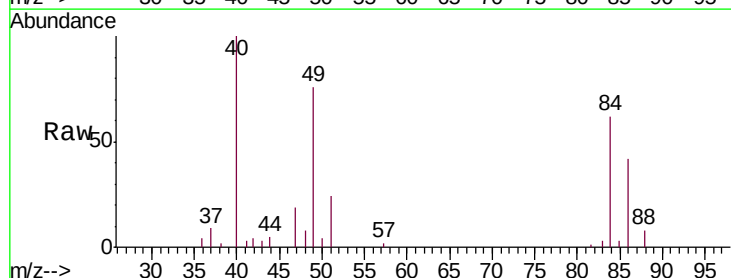
Tgt Ion: 84 Resp: 8018

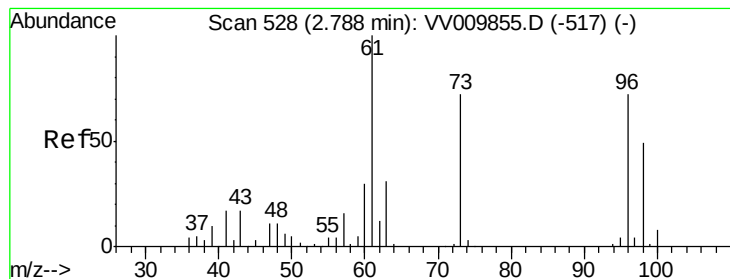
Ion Ratio Lower Upper

84 100

86 68.3 42.8 79.4

49 123.4 93.7 173.9





#17

trans-1,2-Dichloroethene

Concen: 6.172 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

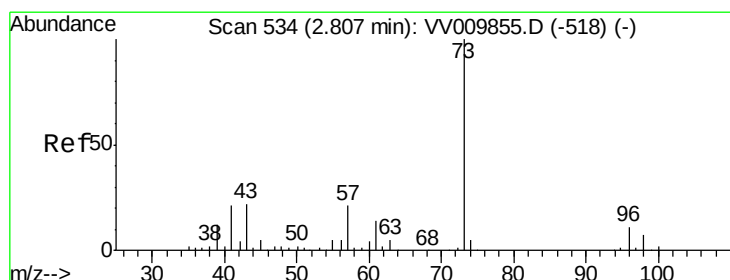
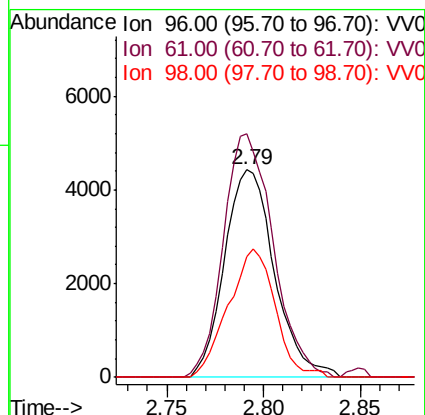
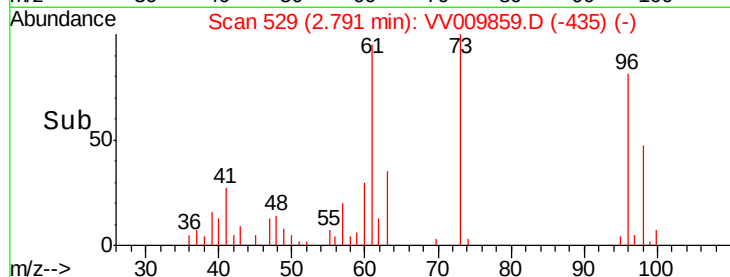
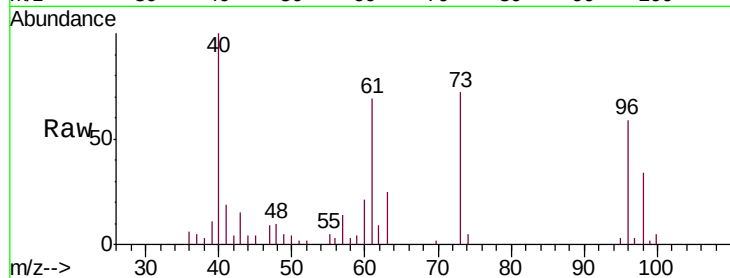
Tgt Ion: 96 Resp: 7971

Ion Ratio Lower Upper

96 100

61 117.3 96.9 179.9

98 58.1 46.8 87.0



#18

Methyl tert-butyl Ether

Concen: 5.591 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

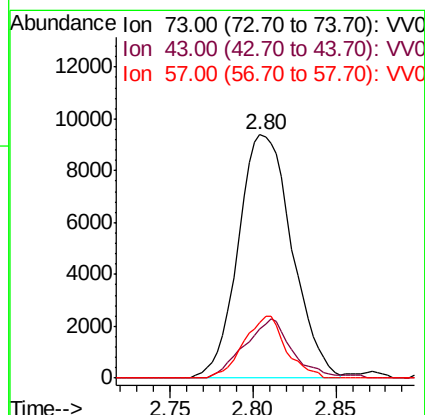
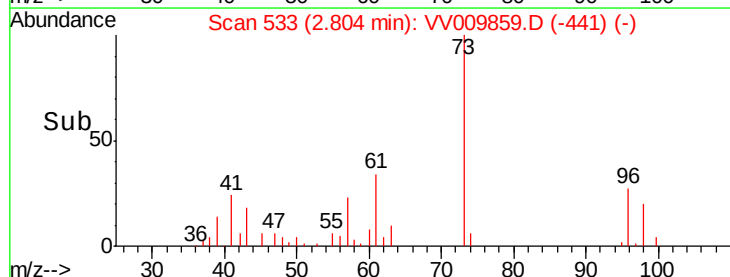
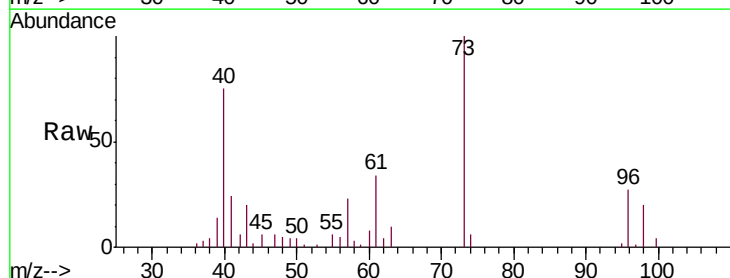
Tgt Ion: 73 Resp: 21120

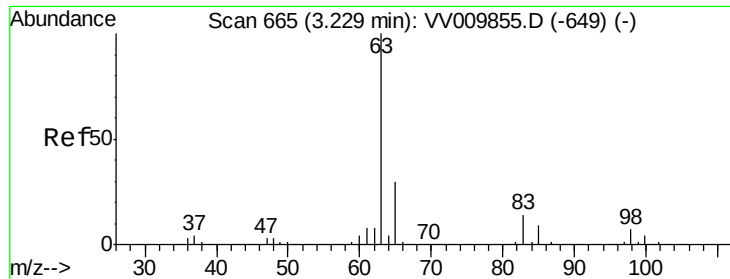
Ion Ratio Lower Upper

73 100

43 21.6 17.1 25.7

57 20.1 16.9 25.3

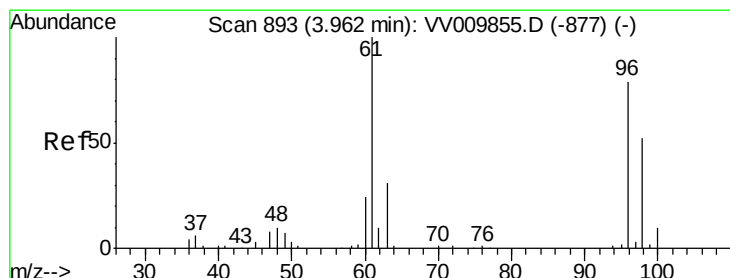
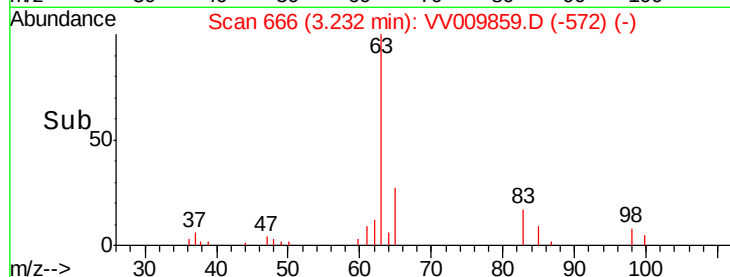
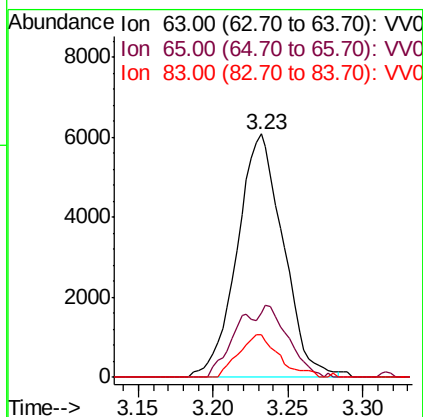
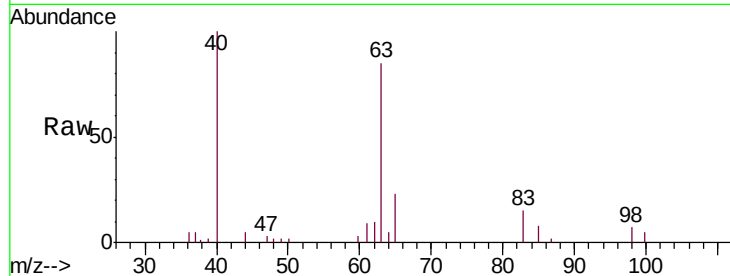




#19
 1,1-Dichloroethane
 Concen: 5.712 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

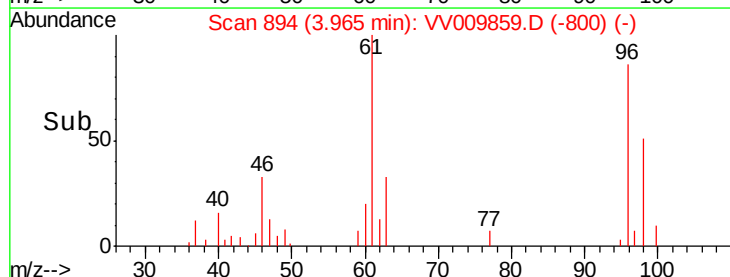
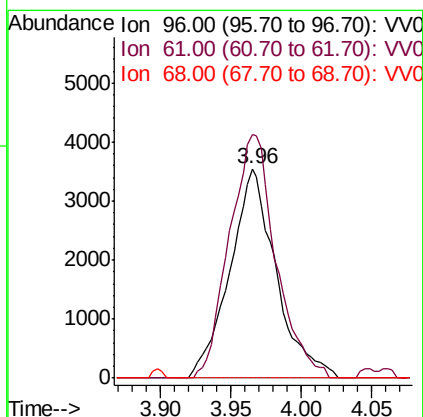
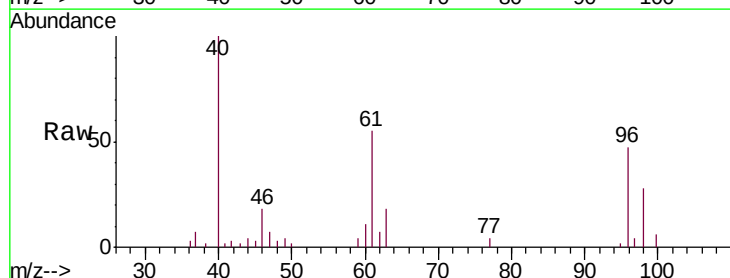
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

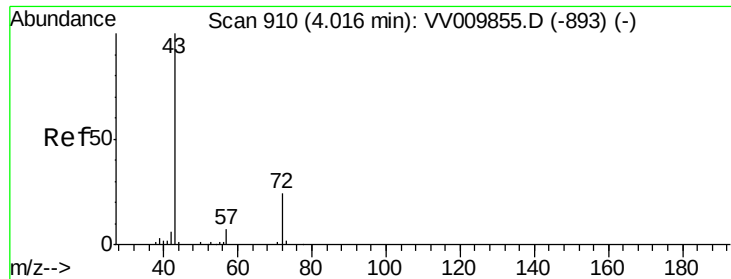
Tgt Ion: 63 Resp: 13033
 Ion Ratio Lower Upper
 63 100
 65 26.6 20.8 38.6
 83 17.5 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 5.698 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion: 96 Resp: 8130
 Ion Ratio Lower Upper
 96 100
 61 116.5 89.4 166.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.825 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

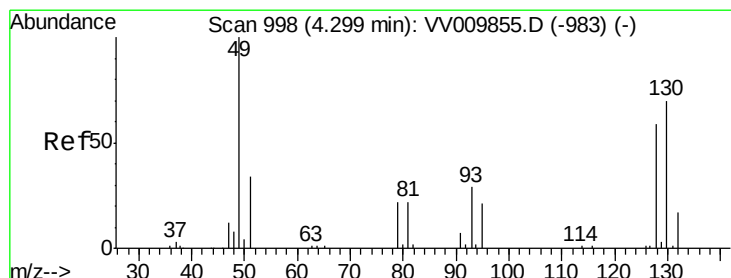
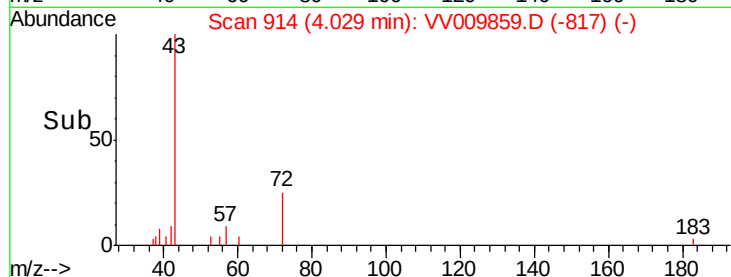
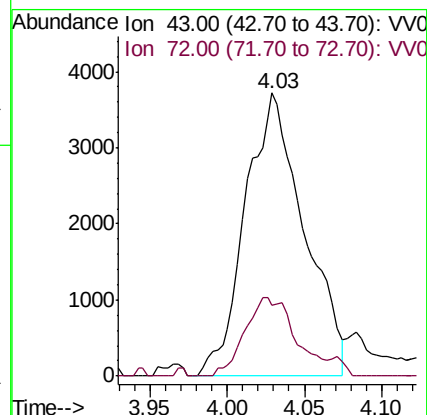
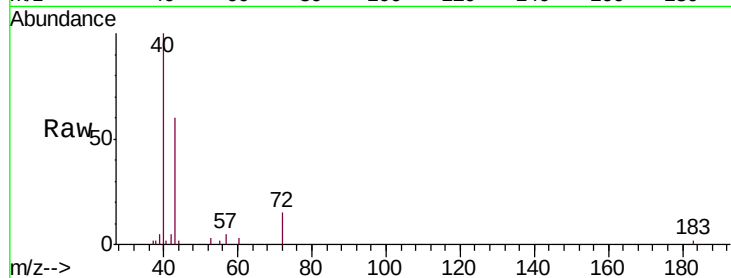
VSTD00568

Tgt Ion: 43 Resp: 9825

Ion Ratio Lower Upper

43 100

72 13.4 12.6 37.8



#23

Bromochloromethane

Concen: 2.848 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Tgt Ion: 128 Resp: 2154

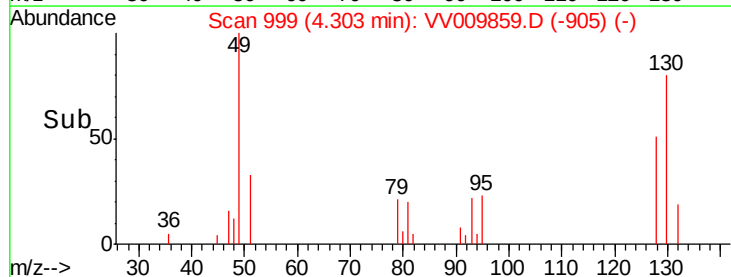
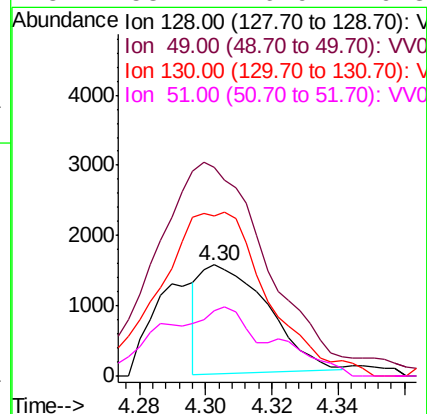
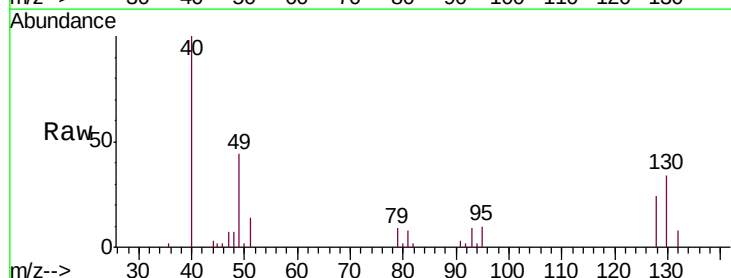
Ion Ratio Lower Upper

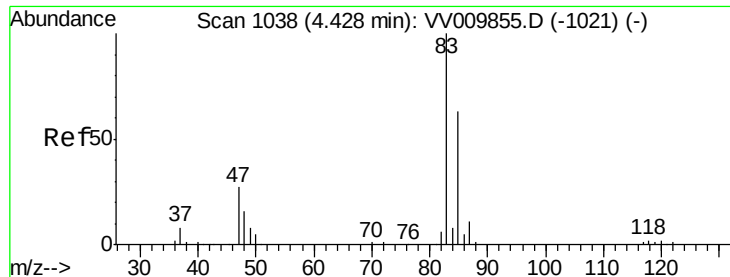
128 100

49 187.5 120.5 223.9

130 143.7 84.0 156.0

51 58.7 46.9 70.3

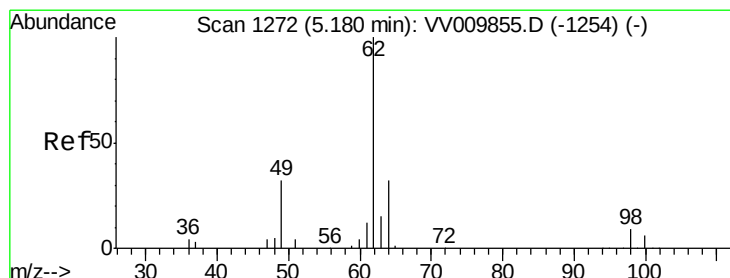
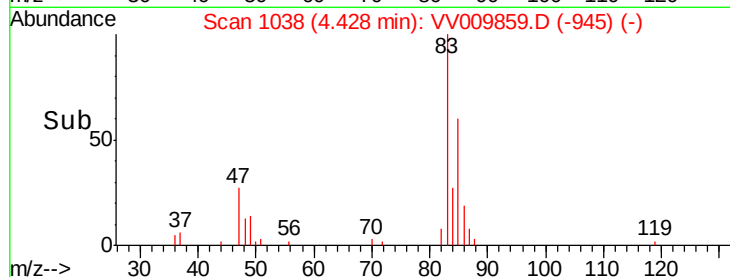
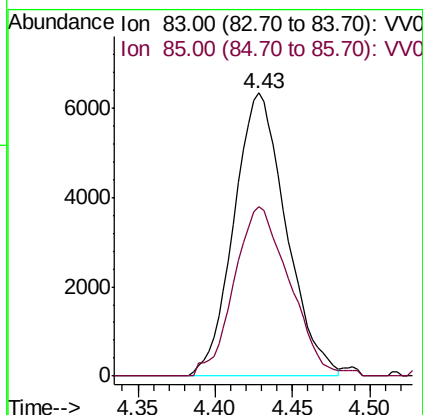
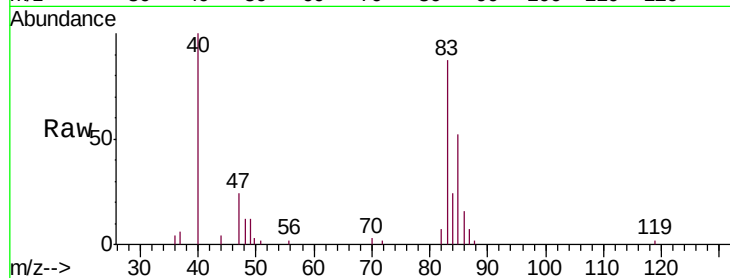




#25
Chloroform
Concen: 6.213 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009859.D
Acq: 25 Mar 2019 13:48

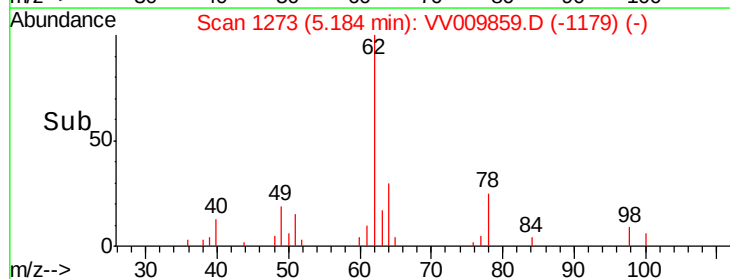
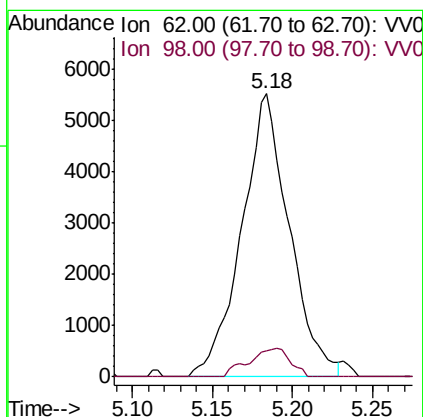
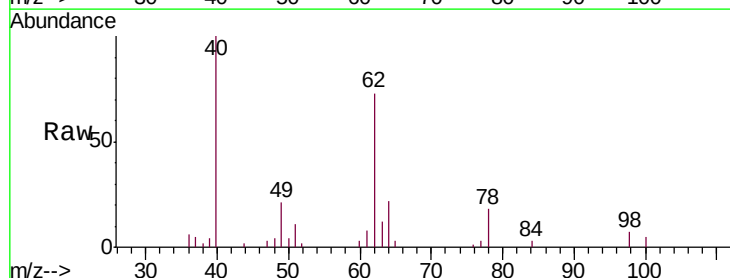
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

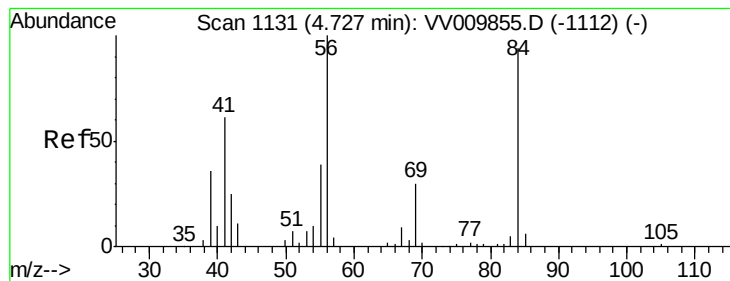
Tgt Ion: 83 Resp: 14855
Ion Ratio Lower Upper
83 100
85 60.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 6.474 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009859.D
Acq: 25 Mar 2019 13:48

Tgt Ion: 62 Resp: 11269
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#29

Cyclohexane

Concen: 5.972 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

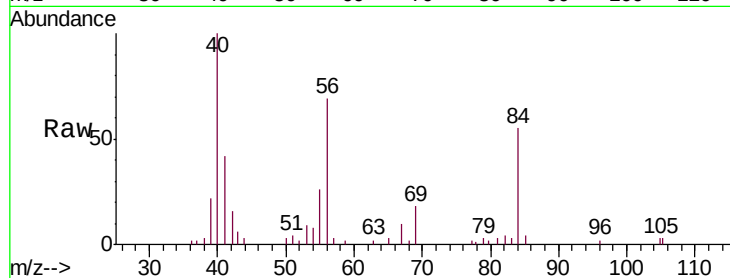
Tgt Ion: 56 Resp: 11317

Ion Ratio Lower Upper

56 100

69 14.7 23.4 35.0#

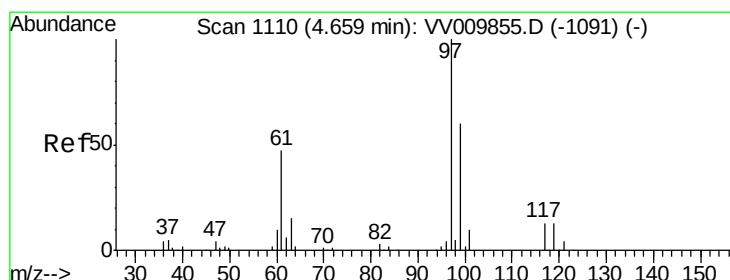
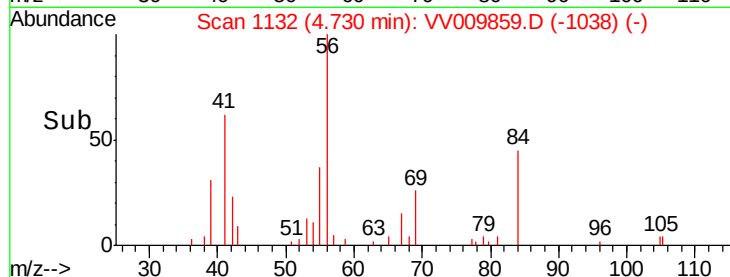
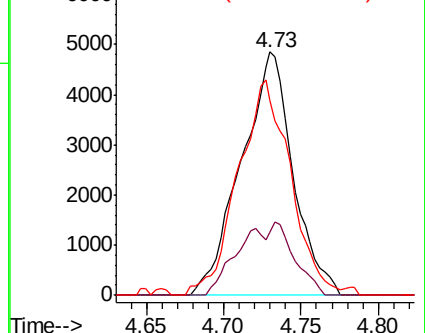
84 89.3 75.0 112.6



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: 5.771 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

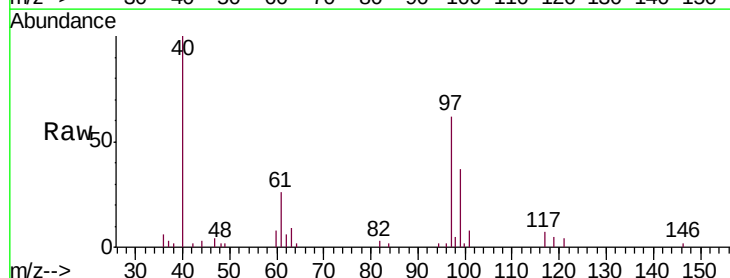
Tgt Ion: 97 Resp: 10971

Ion Ratio Lower Upper

97 100

99 0.0 49.1 73.7#

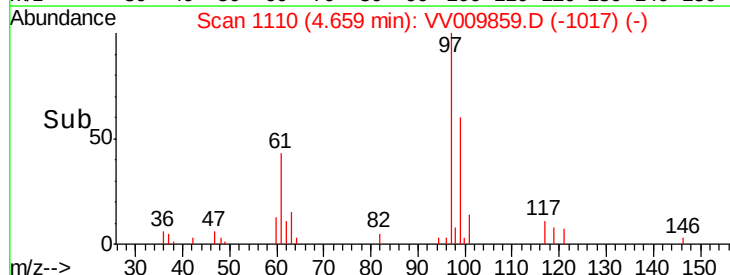
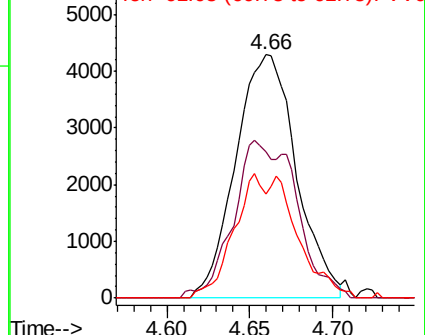
61 16.3 37.6 56.4#

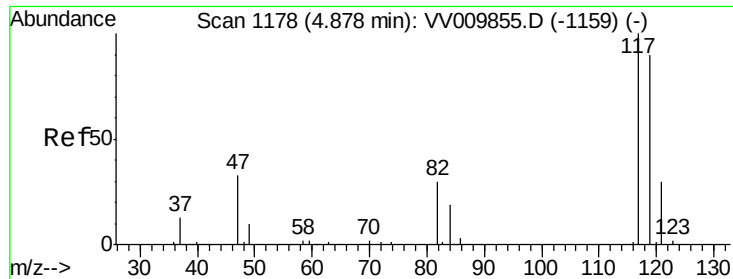


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.588 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

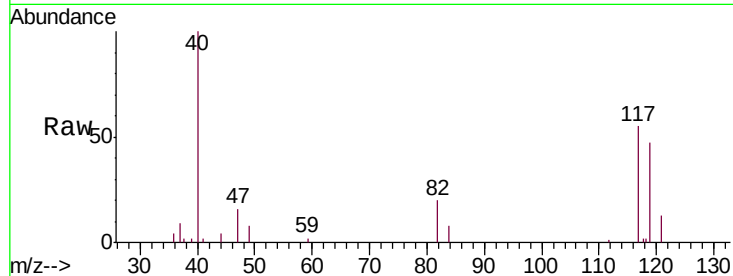
VSTD00568

Tgt Ion:117 Resp: 9372

Ion Ratio Lower Upper

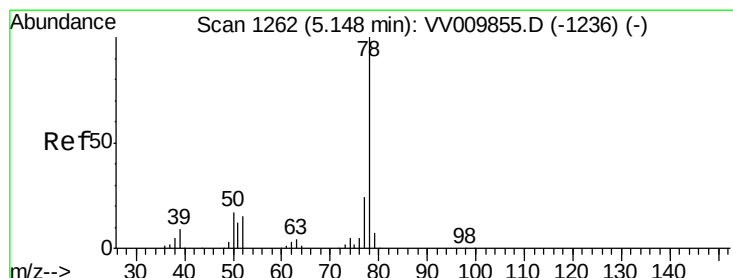
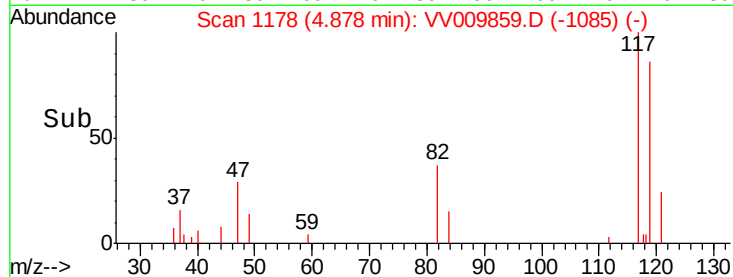
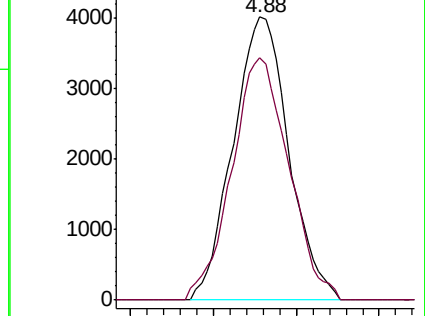
117 100

119 87.5 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 6.124 ug/L

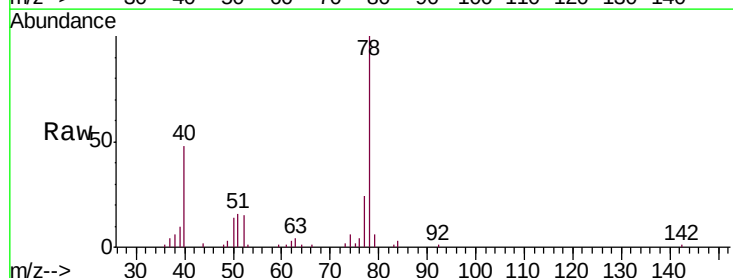
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

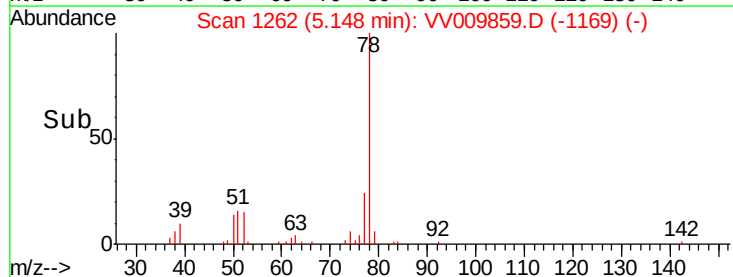
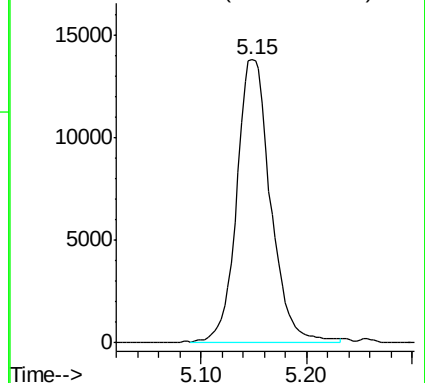
Lab File: VV009859.D

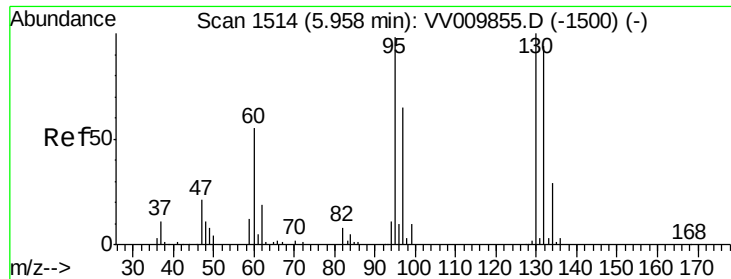
Acq: 25 Mar 2019 13:48

Tgt Ion: 78 Resp: 30853



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.729 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

Tgt Ion: 95 Resp: 7599

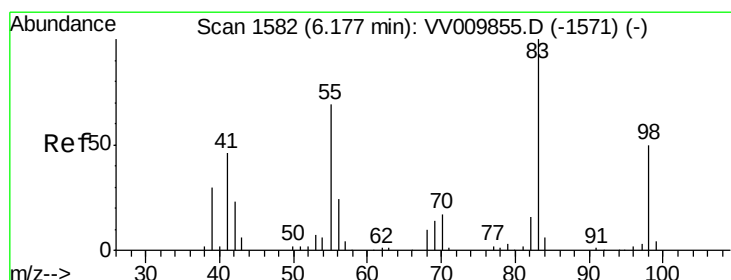
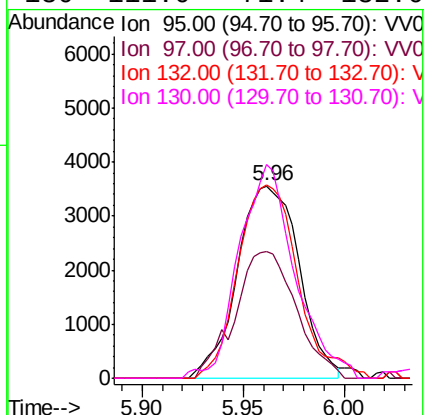
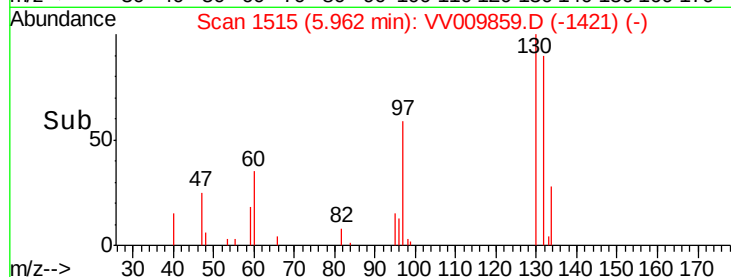
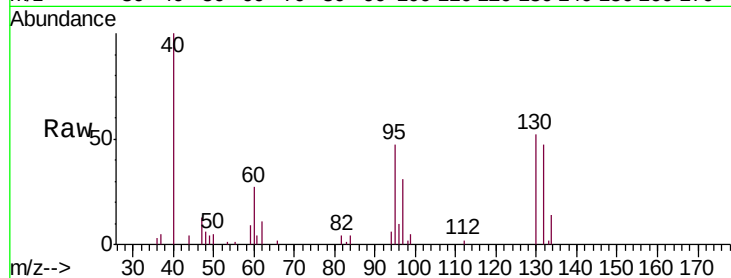
Ion Ratio Lower Upper

95 100

97 66.0 46.1 85.5

132 100.2 67.0 124.4

130 111.0 71.4 132.6



#35

Methylcyclohexane

Concen: 6.146 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

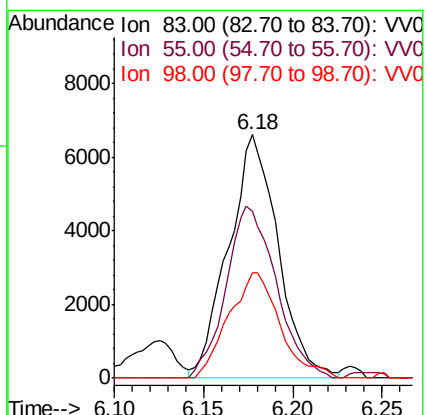
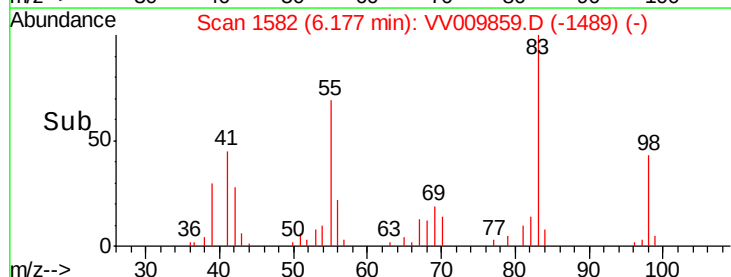
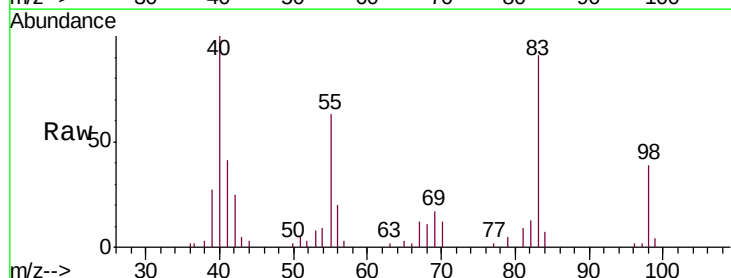
Tgt Ion: 83 Resp: 12773

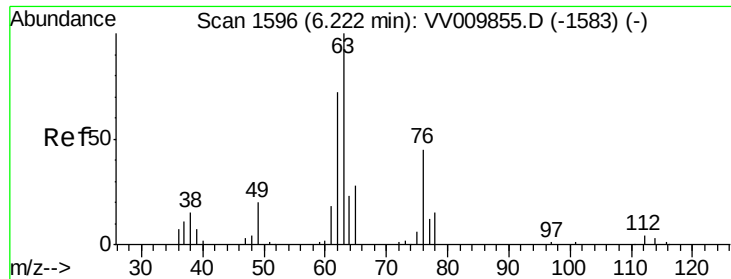
Ion Ratio Lower Upper

83 100

55 71.7 55.5 83.3

98 44.8 40.2 60.2

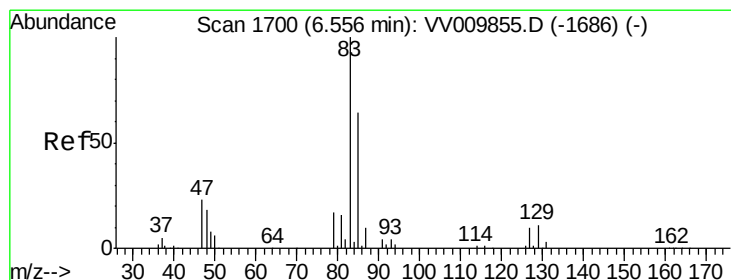
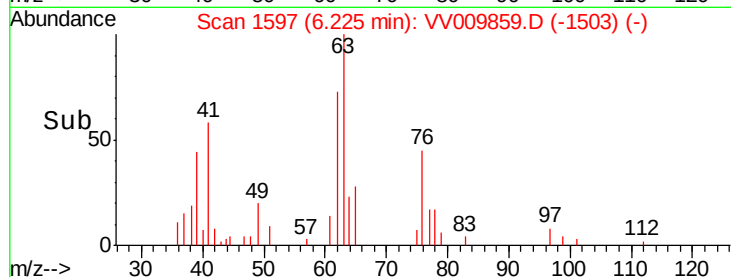
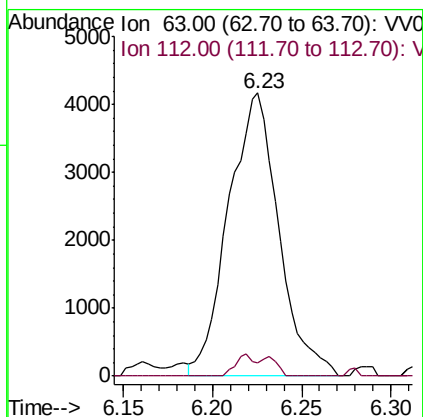
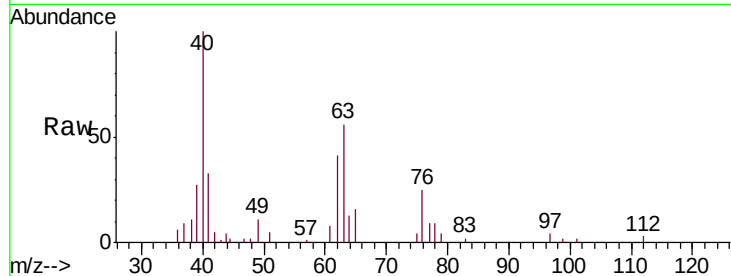




#37
 1,2-Dichloropropane
 Concen: 6.354 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

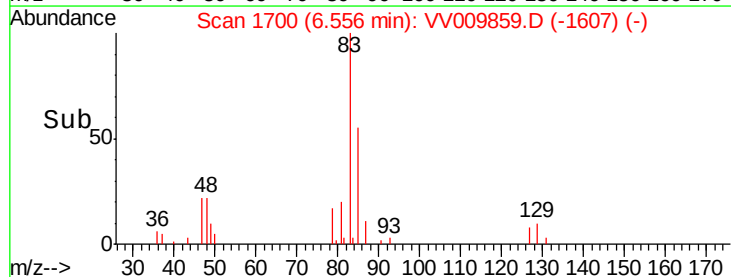
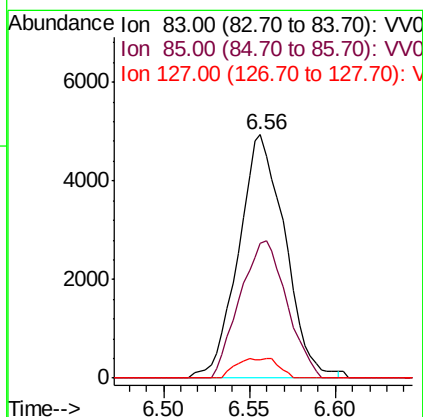
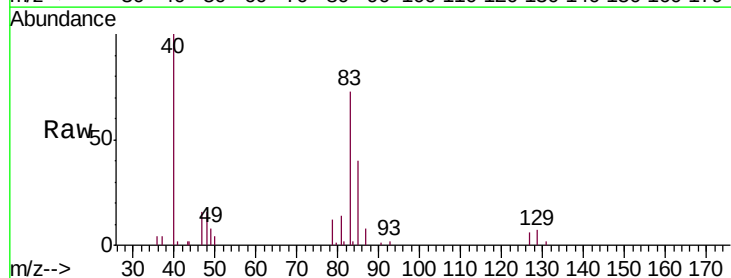
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

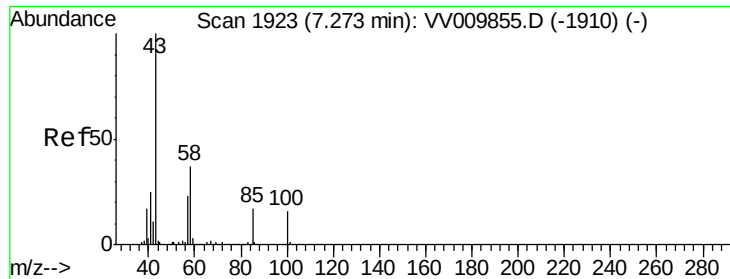
Tgt Ion: 63 Resp: 8175
 Ion Ratio Lower Upper
 63 100
 112 2.1 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 5.593 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion: 83 Resp: 9243
 Ion Ratio Lower Upper
 83 100
 85 55.4 44.6 82.8
 127 7.6 8.2 12.2#

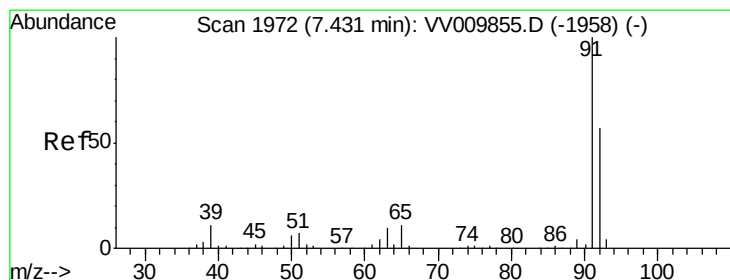
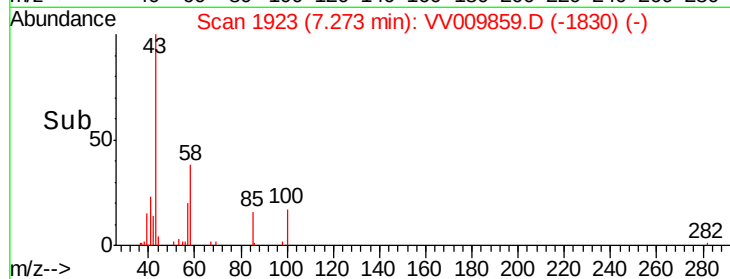
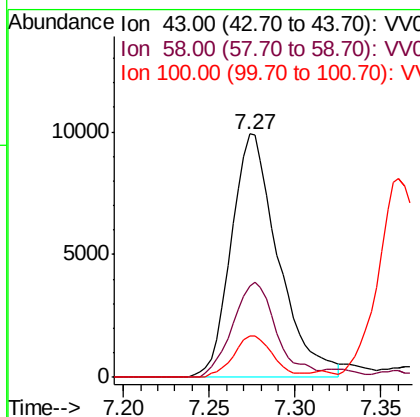
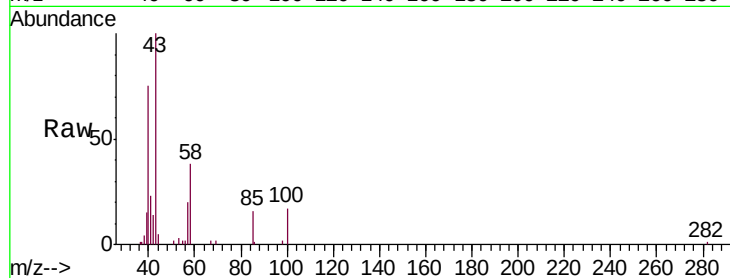




#40
 4-Methyl-2-pentanone
 Concen: 10.628 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

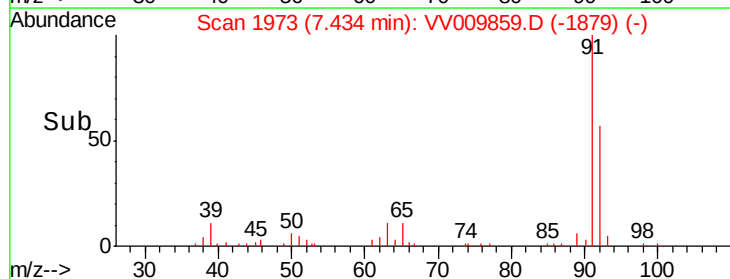
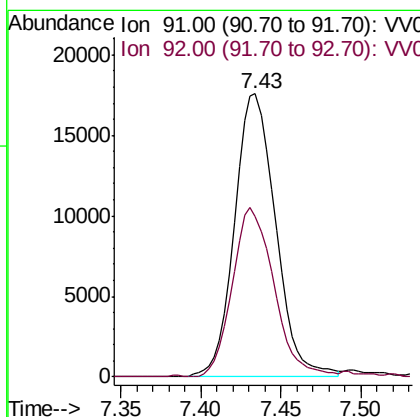
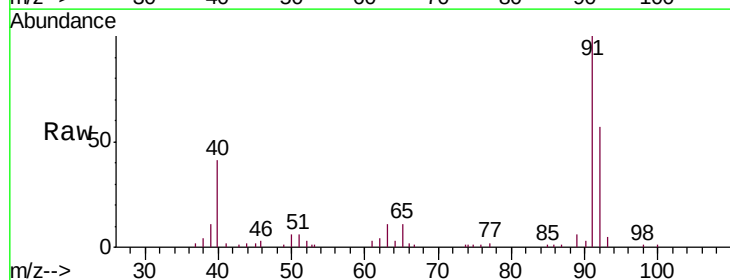
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

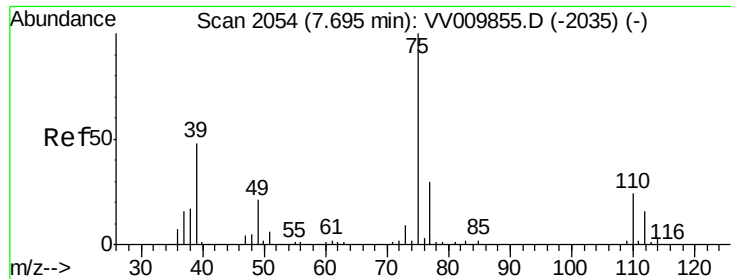
Tgt Ion: 43 Resp: 18921
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.8
 100 14.2 12.2 18.4



#42
 Toluene
 Concen: 5.567 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion: 91 Resp: 30779
 Ion Ratio Lower Upper
 91 100
 92 56.7 40.2 74.6

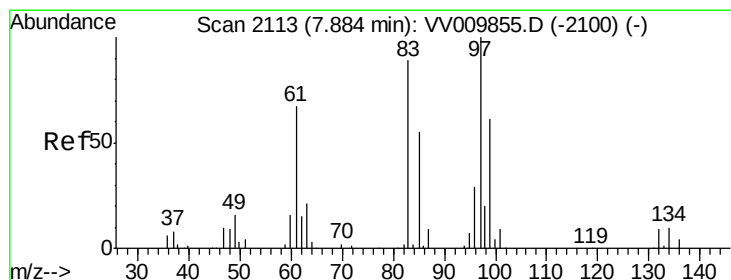
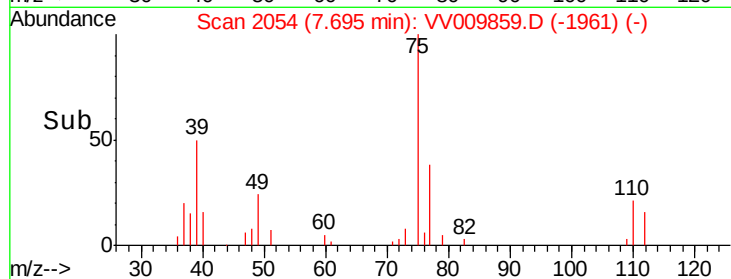
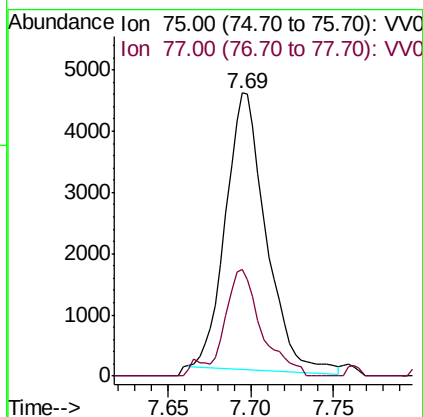
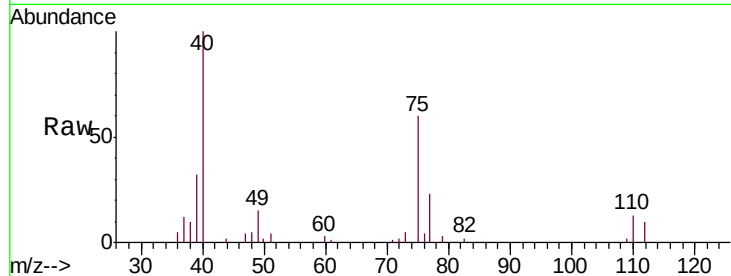




#44
 trans-1,3-Dichloropropene
 Concen: 4.308 ug/L
 RT: 7.69 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

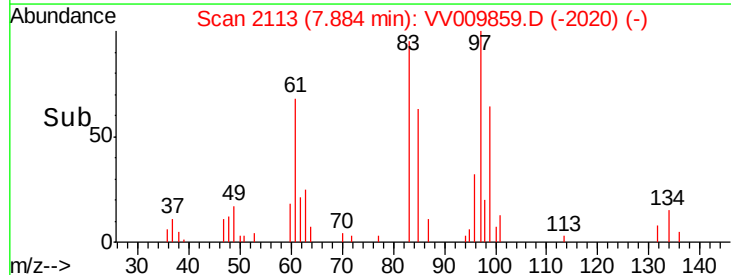
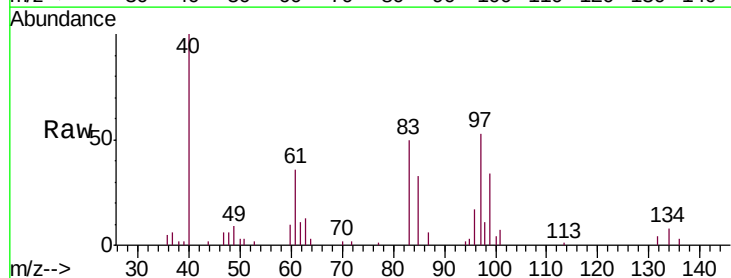
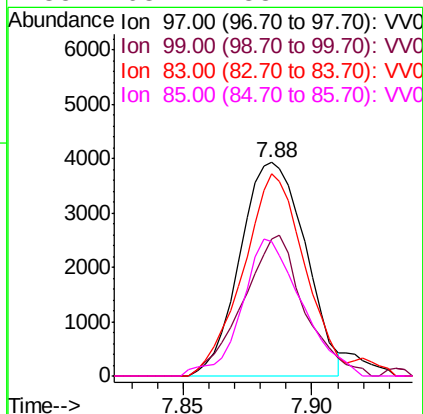
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

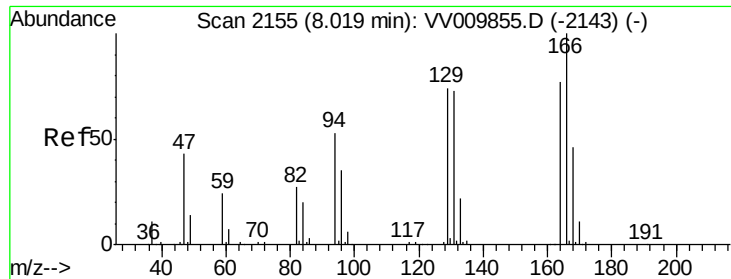
Tgt Ion: 75 Resp: 7678
 Ion Ratio Lower Upper
 75 100
 77 37.8 20.7 38.5



#45
 1,1,2-Trichloroethane
 Concen: 5.272 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion: 97 Resp: 6958
 Ion Ratio Lower Upper
 97 100
 99 64.2 42.4 78.6
 83 94.8 62.1 115.3
 85 63.1 38.4 71.4

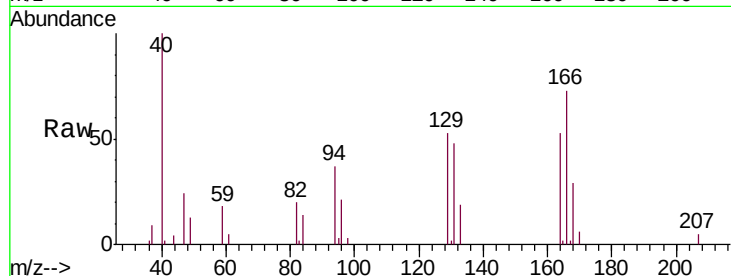




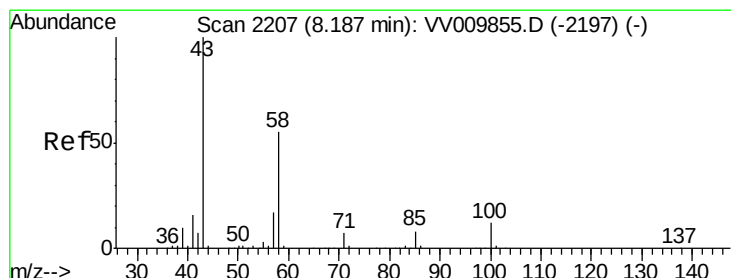
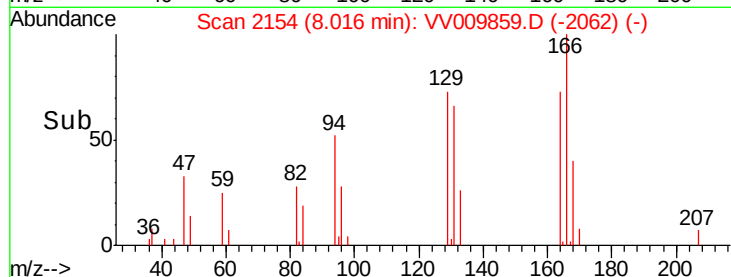
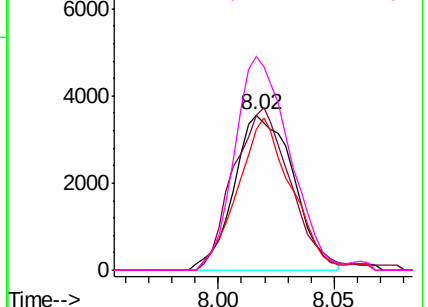
#46
Tetrachloroethene
Concen: 5.741 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009859.D
Acq: 25 Mar 2019 13:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:164 Resp: 6302
Ion Ratio Lower Upper
164 100
129 100.3 66.8 124.0
131 90.7 65.7 122.1
166 137.9 90.4 167.8

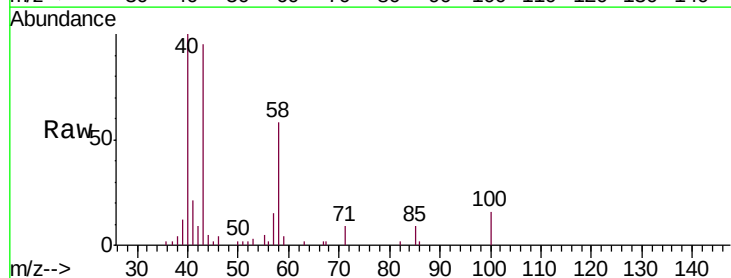


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

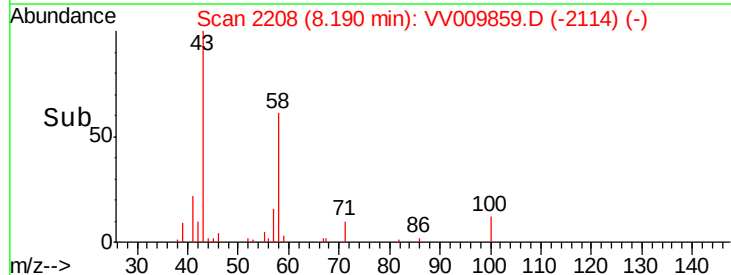
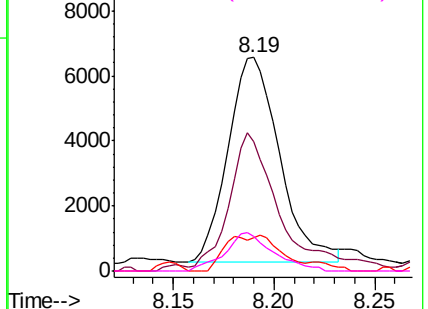


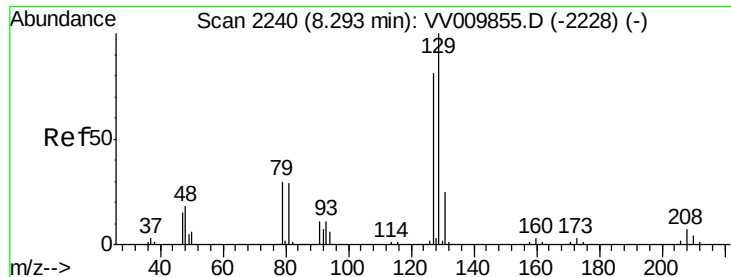
#48
2-Hexanone
Concen: 7.625 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV009859.D
Acq: 25 Mar 2019 13:48

Tgt Ion: 43 Resp: 11248
Ion Ratio Lower Upper
43 100
58 59.5 41.9 62.9
57 10.1 14.2 21.2#
100 17.5 9.8 14.8#



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: 4.213 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

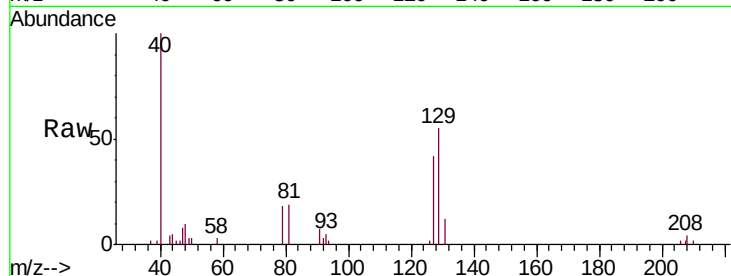
VSTD00568

Tgt Ion:129 Resp: 6112

Ion Ratio Lower Upper

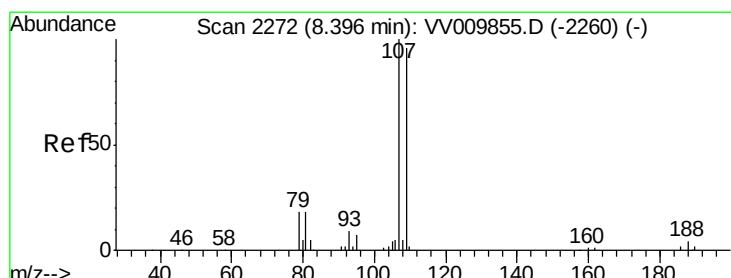
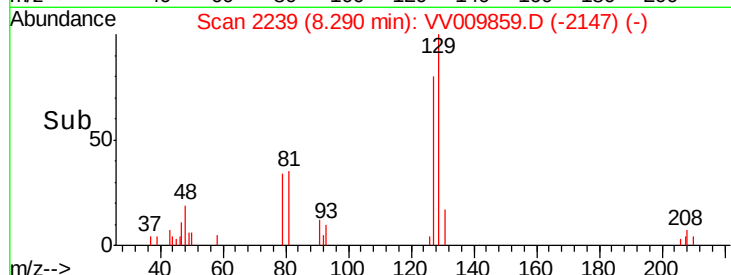
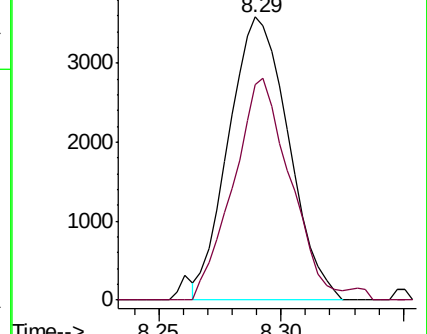
129 100

127 76.3 56.8 105.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.712 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

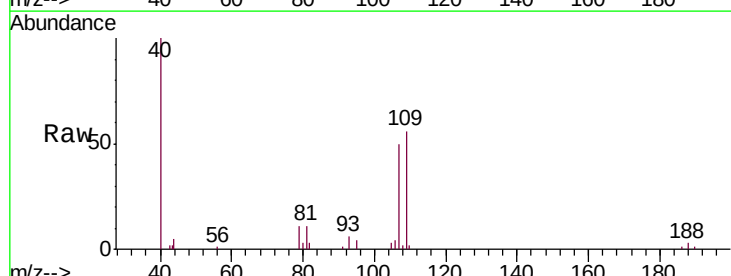
Tgt Ion:107 Resp: 6828

Ion Ratio Lower Upper

107 100

109 113.0 67.5 125.3

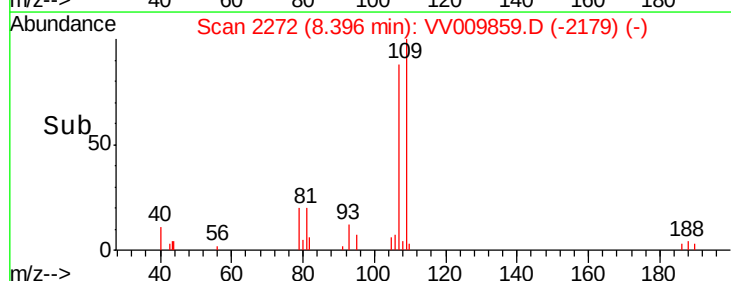
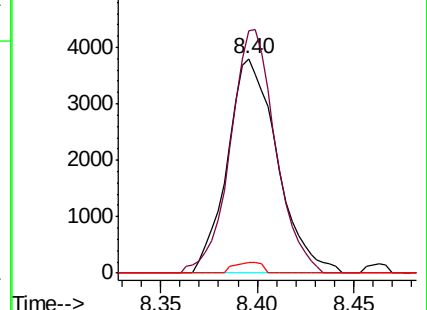
188 5.1 3.0 4.6#

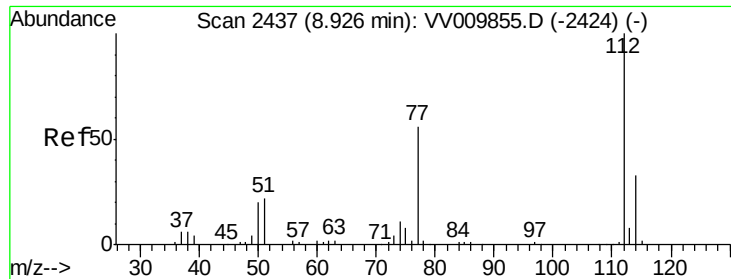


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

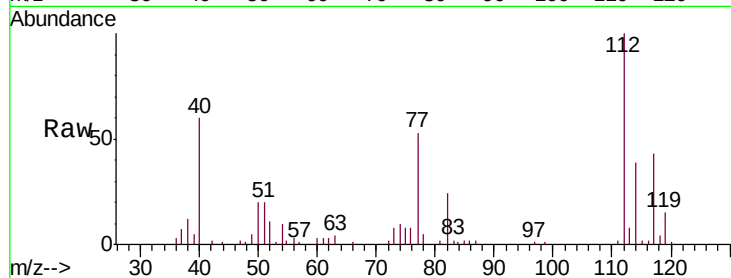




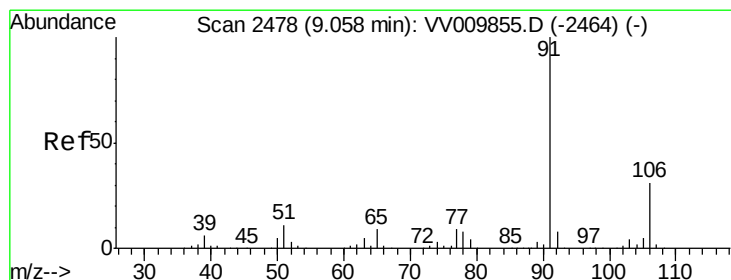
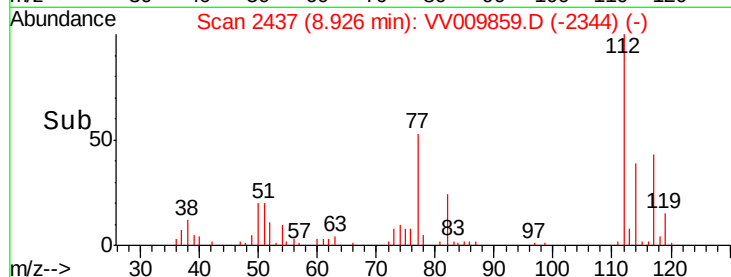
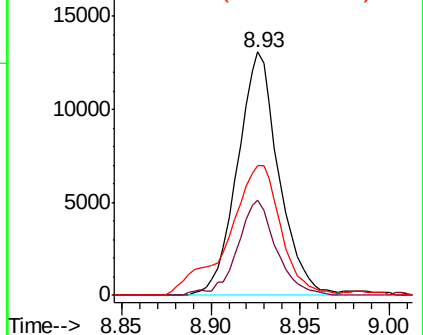
#51
Chlorobenzene
Concen: 5.775 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009859.D
Acq: 25 Mar 2019 13:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 112 Resp: 21150
Ion Ratio Lower Upper
112 100
114 38.8 23.3 43.3
77 53.4 45.8 68.6

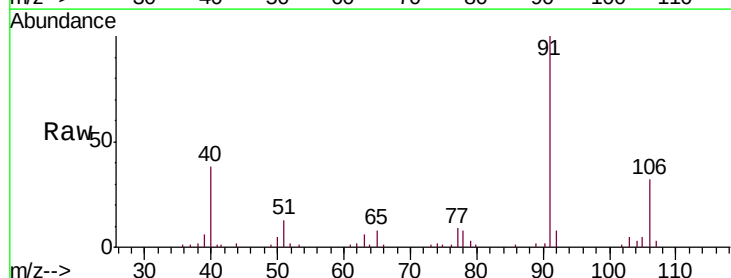


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

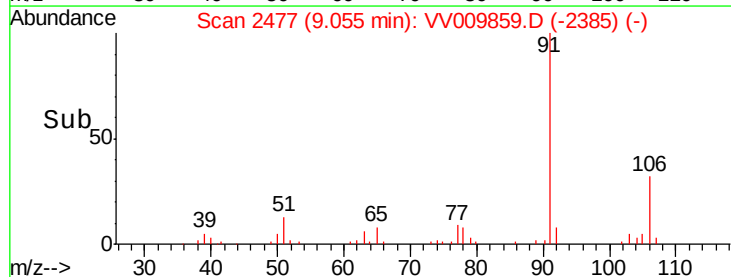
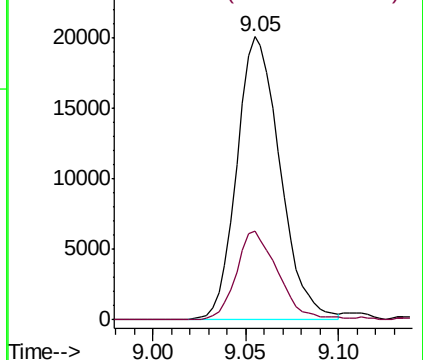


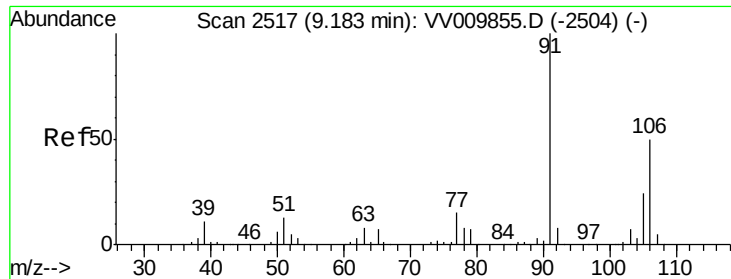
#52
Ethylbenzene
Concen: 5.412 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV009859.D
Acq: 25 Mar 2019 13:48

Tgt Ion: 91 Resp: 32638
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 5.283 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

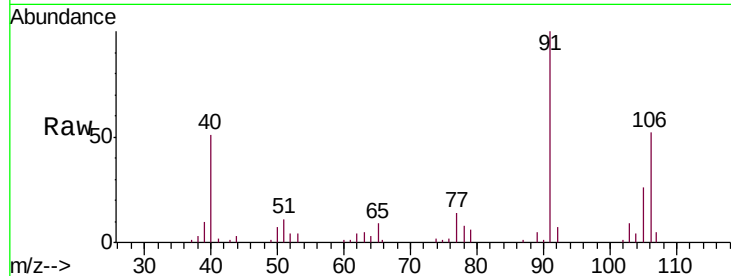
VSTD00568

Tgt Ion:106 Resp: 12254

Ion Ratio Lower Upper

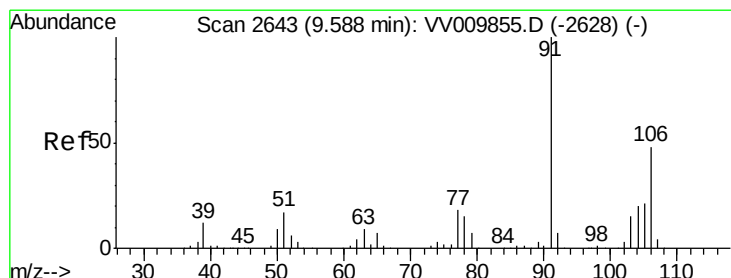
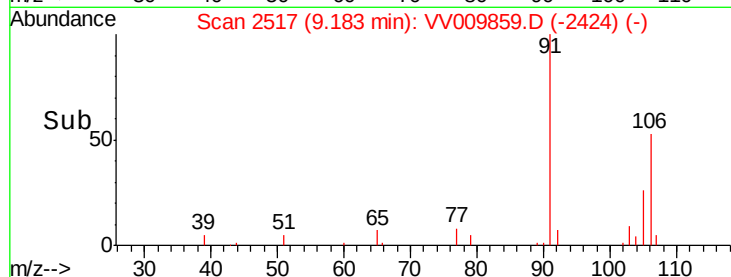
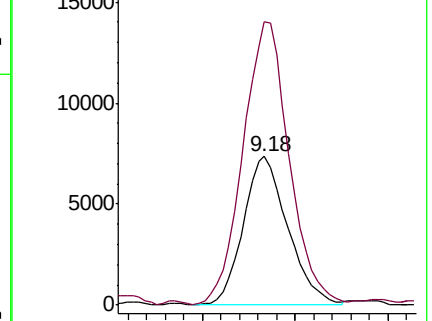
106 100

91 190.5 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 5.305 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV009859.D

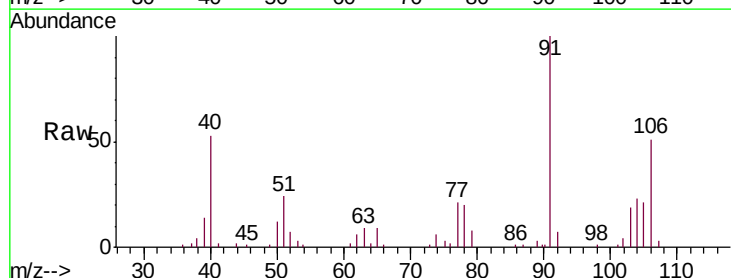
Acq: 25 Mar 2019 13:48

Tgt Ion:106 Resp: 12206

Ion Ratio Lower Upper

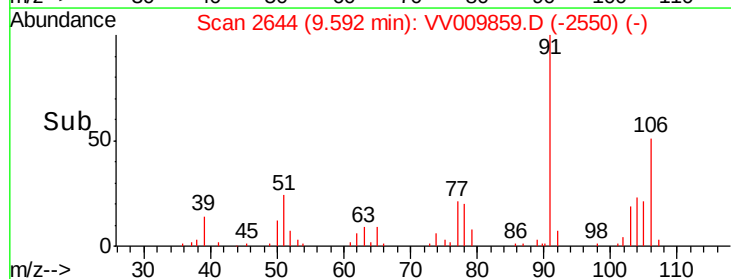
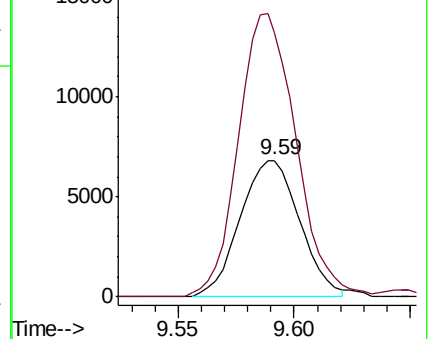
106 100

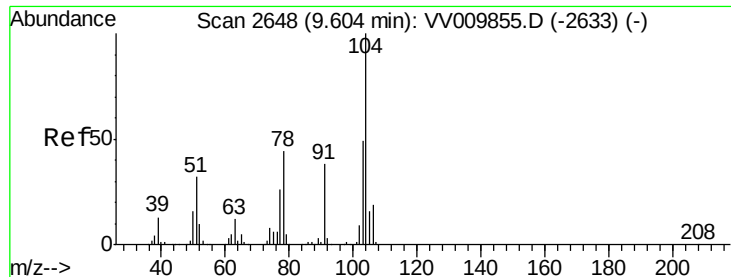
91 194.3 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 4.516 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

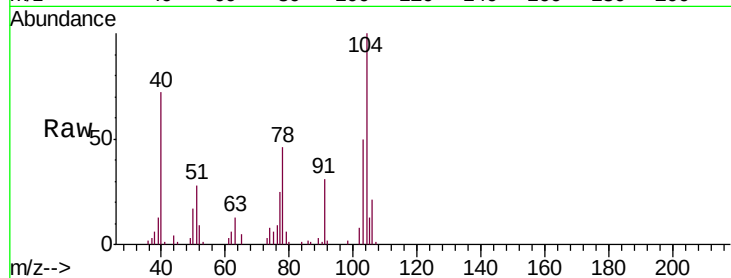
VSTD00568

Tgt Ion:104 Resp: 17502

Ion Ratio Lower Upper

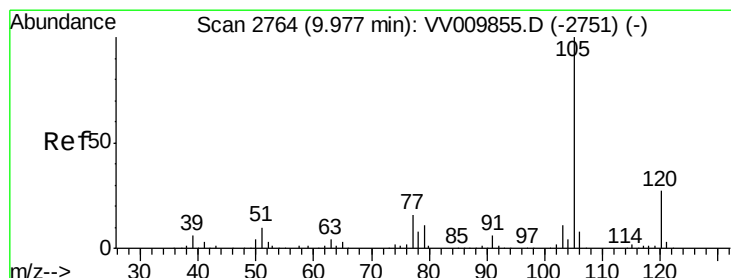
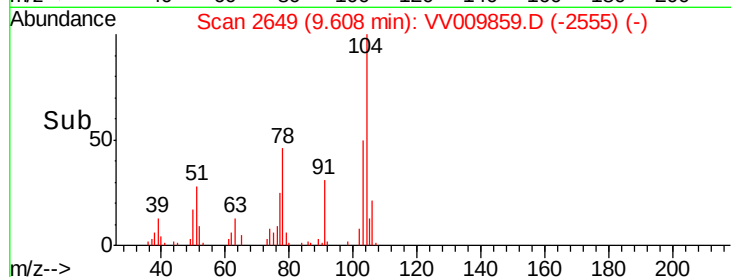
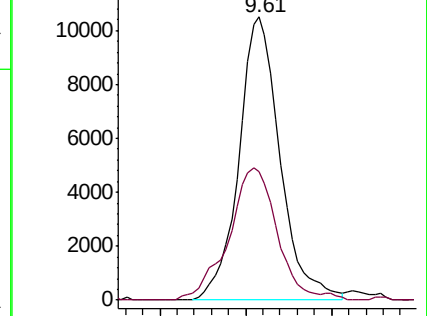
104 100

78 45.5 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 4.980 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

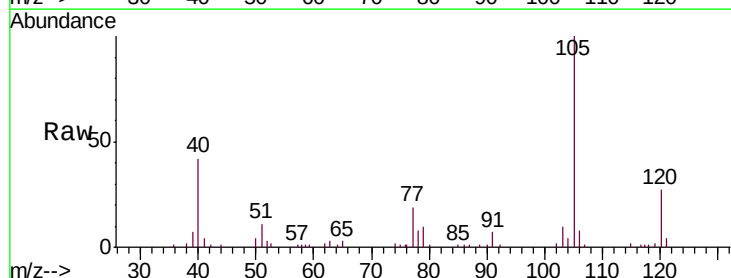
Tgt Ion:105 Resp: 29499

Ion Ratio Lower Upper

105 100

120 27.6 21.5 32.3

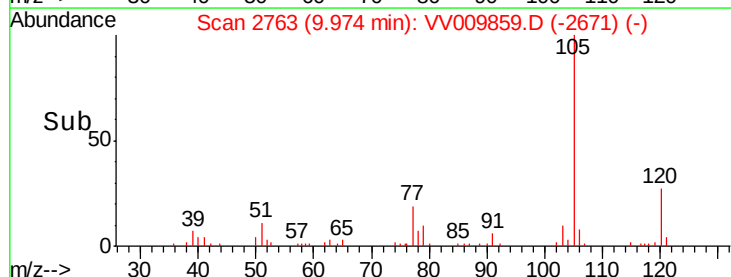
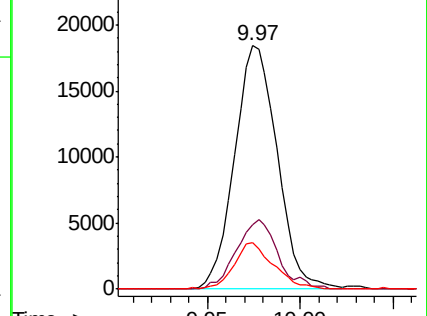
77 17.6 13.1 19.7

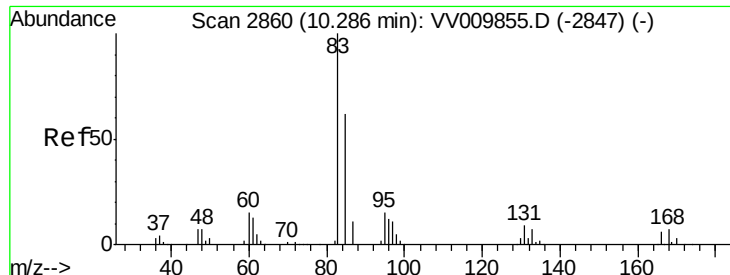


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 5.023 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

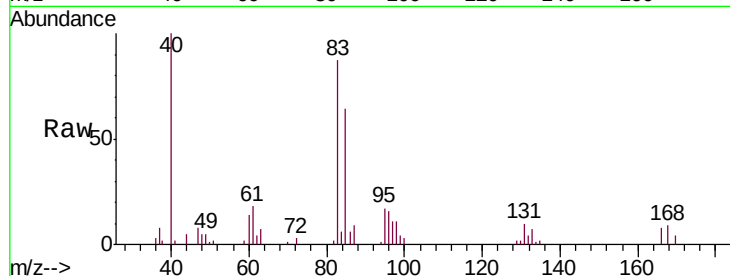
Tgt Ion: 83 Resp: 11516

Ion Ratio Lower Upper

83 100

85 73.1 44.0 81.6

131 11.4 7.0 10.6#

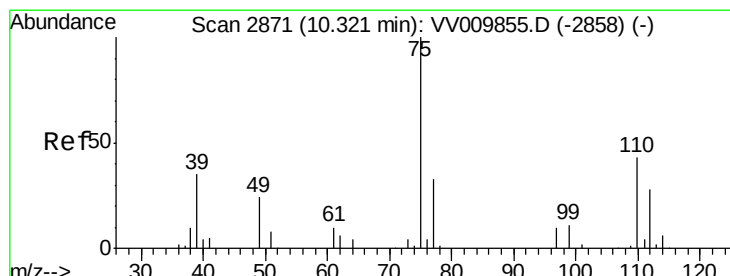
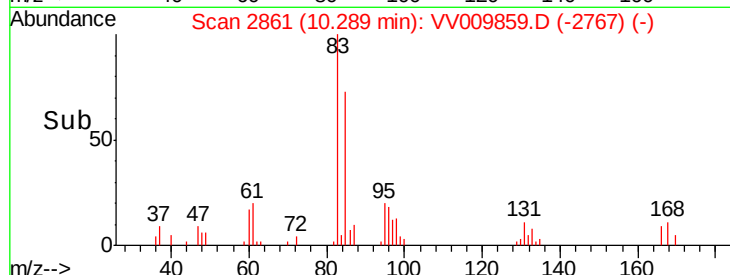


Abundance Ion 83.00 (82.70 to 83.70): VV009859.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV009859.D (-2847) (-)

Ion 131.00 (130.70 to 131.70): VV009859.D (-2847) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.632 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009859.D

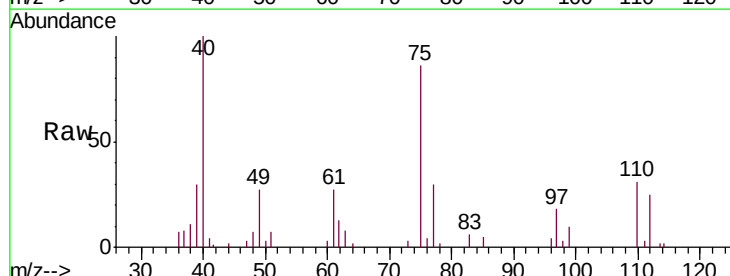
Acq: 25 Mar 2019 13:48

Tgt Ion: 75 Resp: 9812

Ion Ratio Lower Upper

75 100

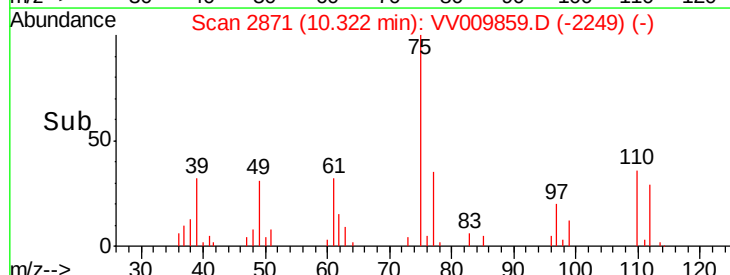
77 34.4 25.4 38.0

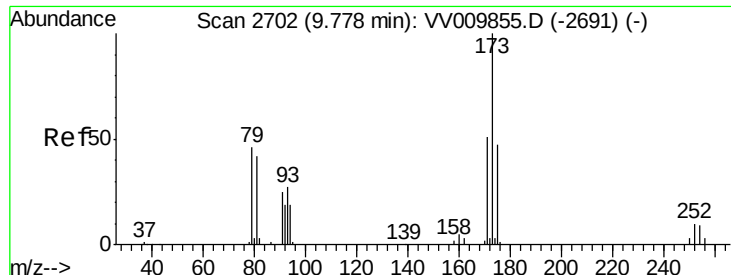


Abundance Ion 75.00 (74.70 to 75.70): VV009859.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV009859.D (-2858) (-)

Time-->





#61

Bromoform

Concen: 4.453 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

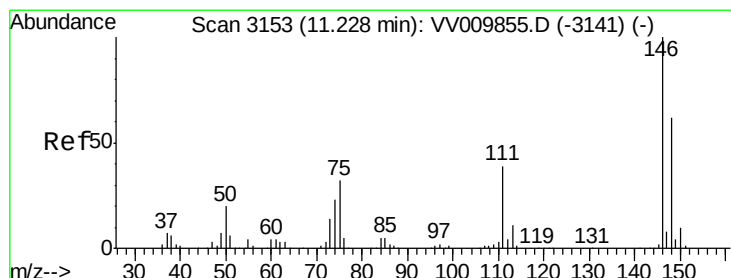
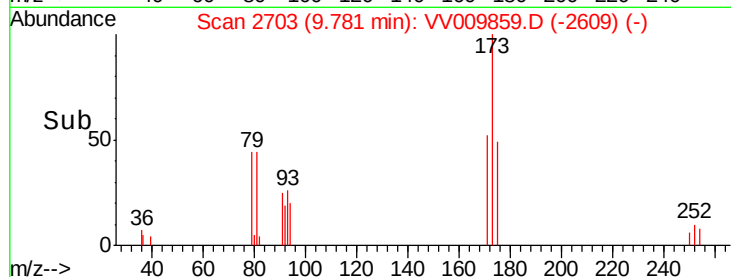
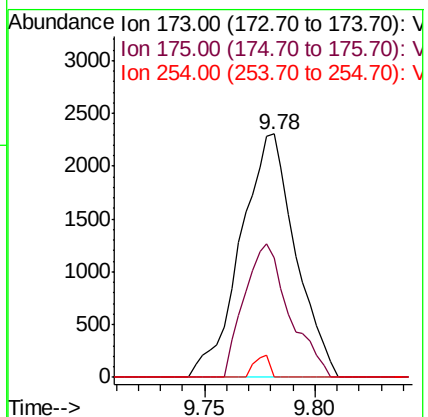
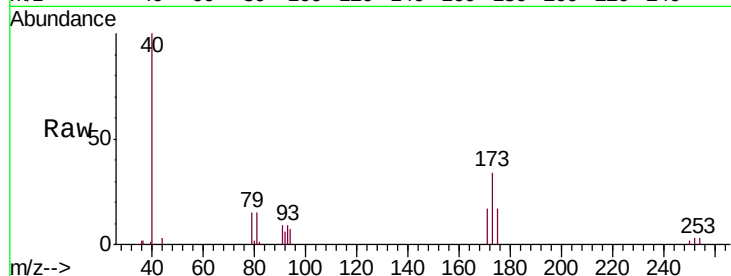
Tgt Ion:173 Resp: 3966

Ion Ratio Lower Upper

173 100

175 45.3 39.0 58.6

254 2.6 7.0 10.6#



#62

1,3-Dichlorobenzene

Concen: 6.307 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

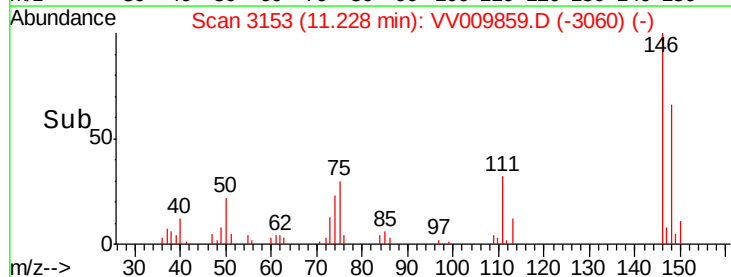
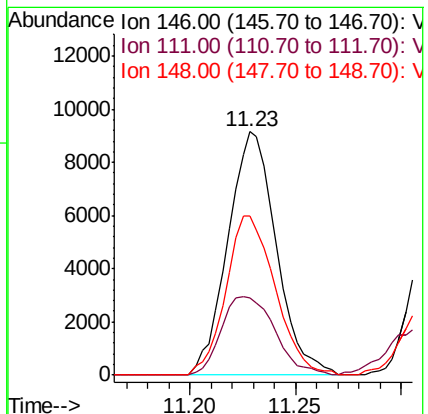
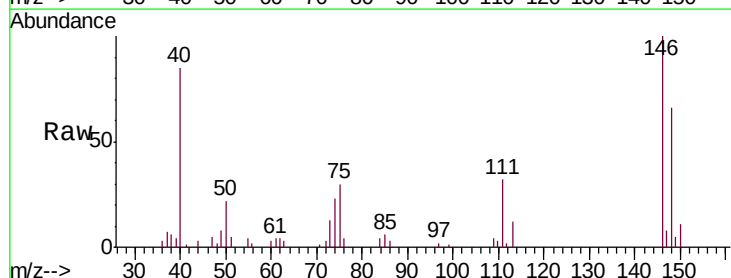
Tgt Ion:146 Resp: 14574

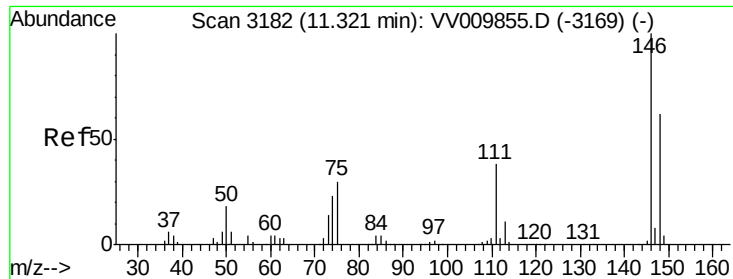
Ion Ratio Lower Upper

146 100

111 31.5 27.5 51.1

148 65.6 43.0 80.0

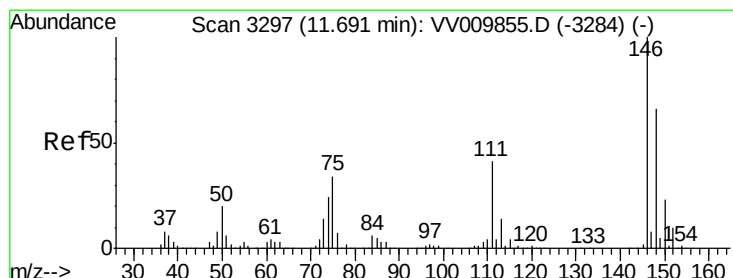
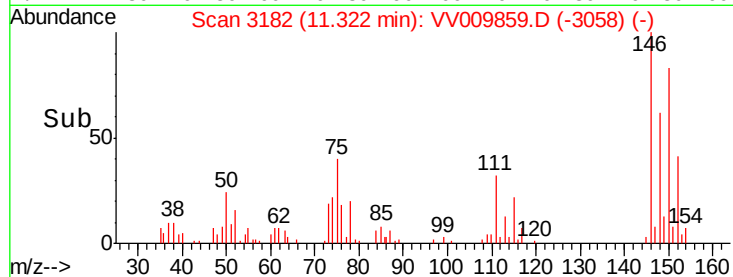
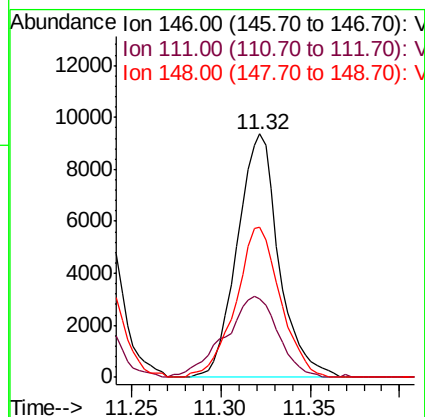
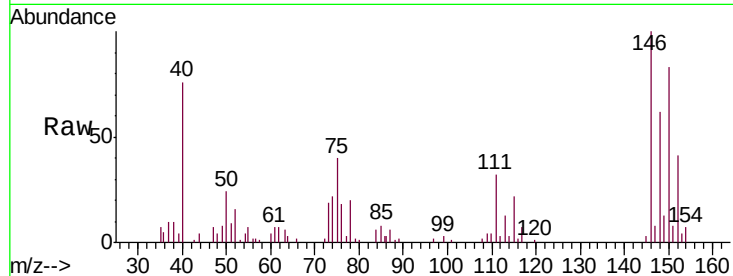




#63
 1,4-Dichlorobenzene
 Concen: 6.340 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

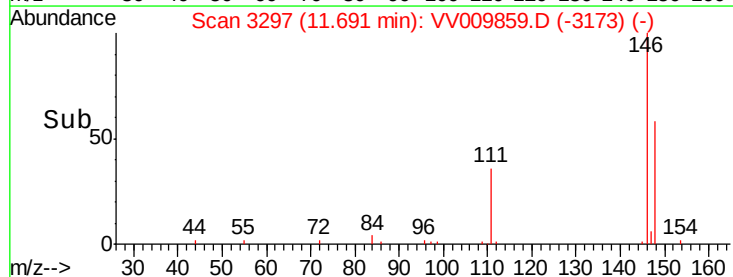
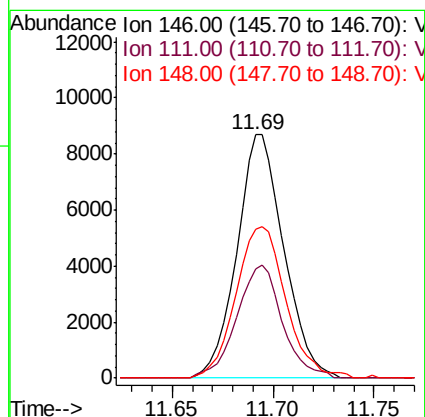
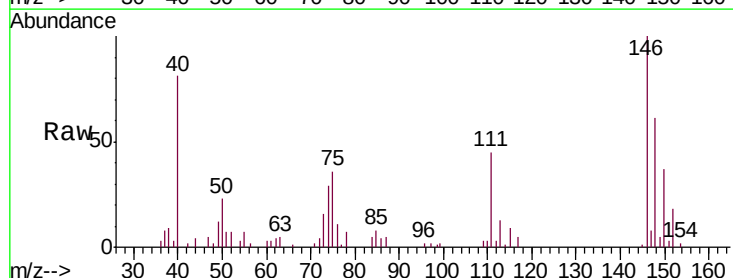
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

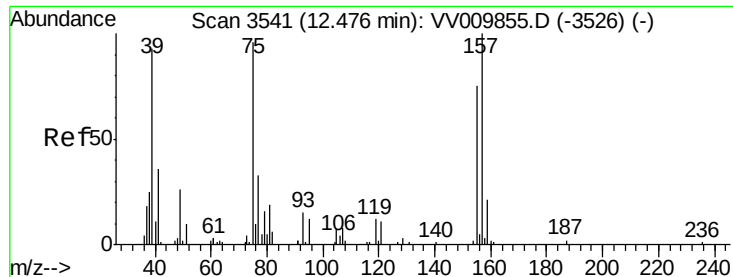
Tgt Ion:146 Resp: 15256
 Ion Ratio Lower Upper
 146 100
 111 32.4 26.5 49.3
 148 61.8 43.2 80.2



#65
 1,2-Dichlorobenzene
 Concen: 5.956 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion:146 Resp: 14152
 Ion Ratio Lower Upper
 146 100
 111 44.7 33.0 49.6
 148 61.1 53.2 79.8

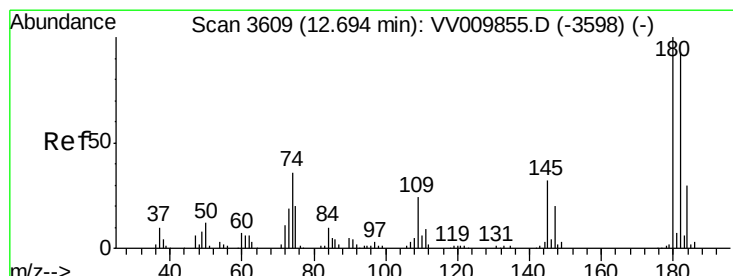
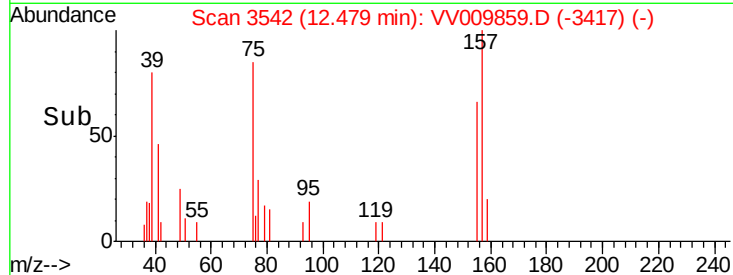
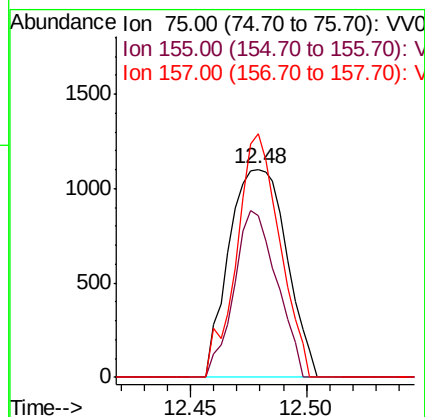
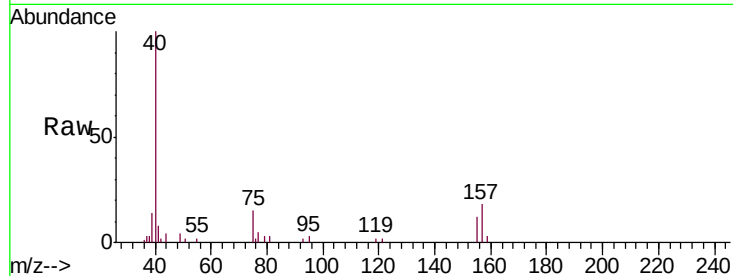




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.013 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

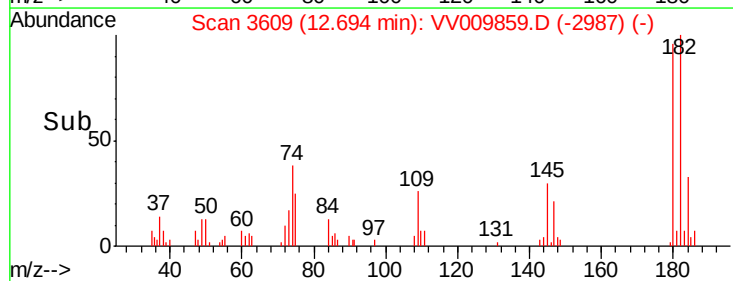
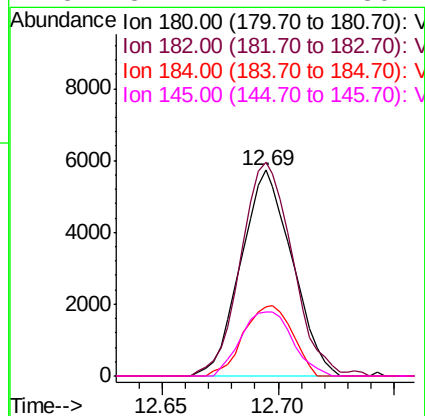
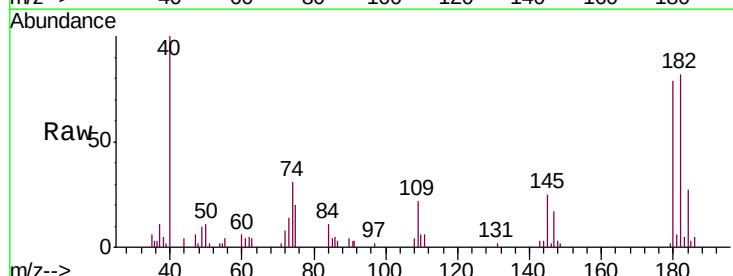
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

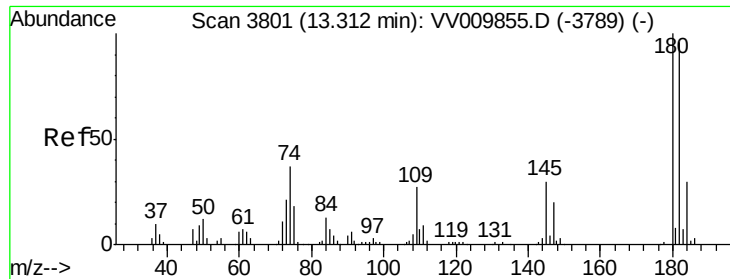
Tgt Ion: 75 Resp: 1900
 Ion Ratio Lower Upper
 75 100
 155 67.9 62.8 94.2
 157 102.3 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 4.975 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion: 180 Resp: 8807
 Ion Ratio Lower Upper
 180 100
 182 104.5 75.0 112.6
 184 32.5 24.1 36.1
 145 31.7 24.2 36.4

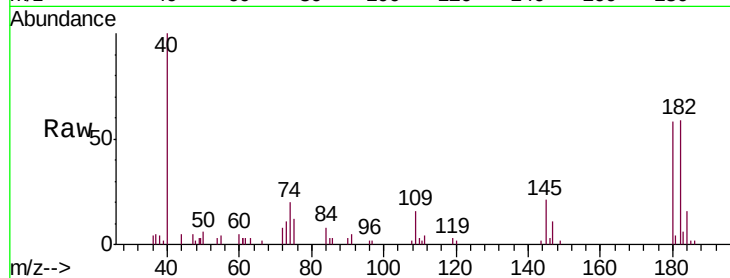




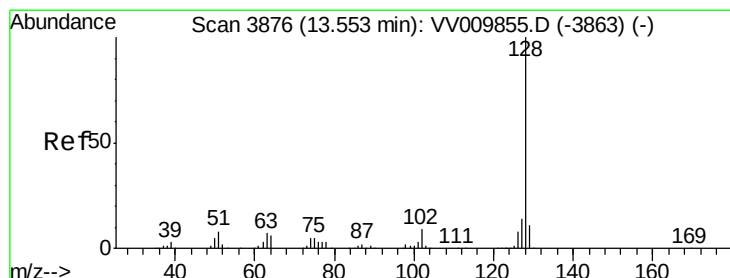
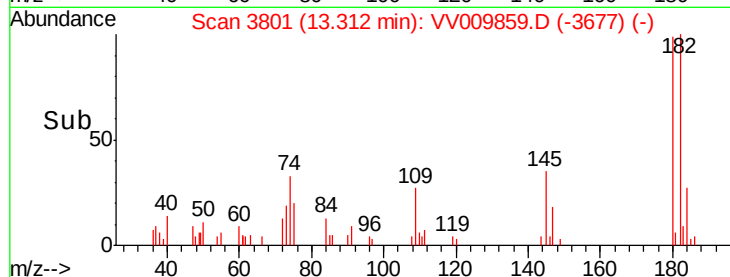
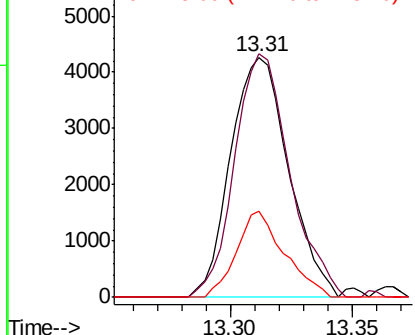
#68
 1,2,4-trichlorobenzene
 Concen: 4.587 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:180 Resp: 7031
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.1 115.7
 145 29.6 24.3 36.5

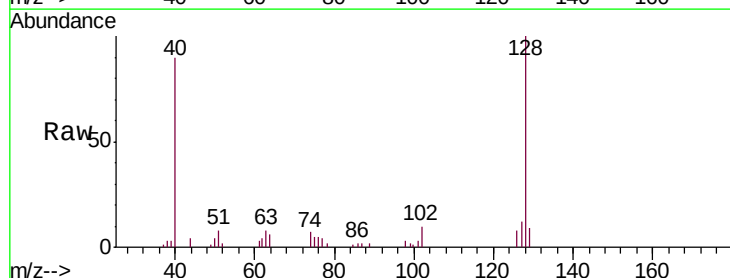


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

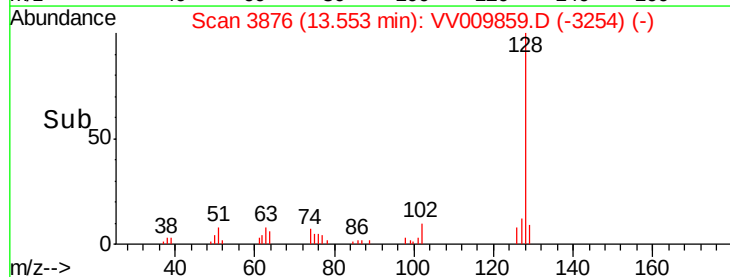
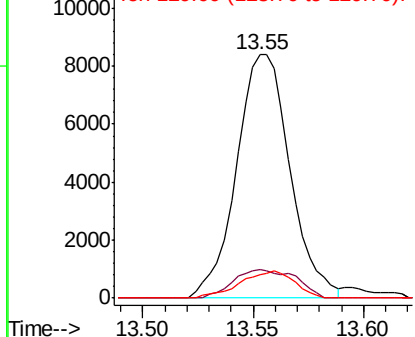


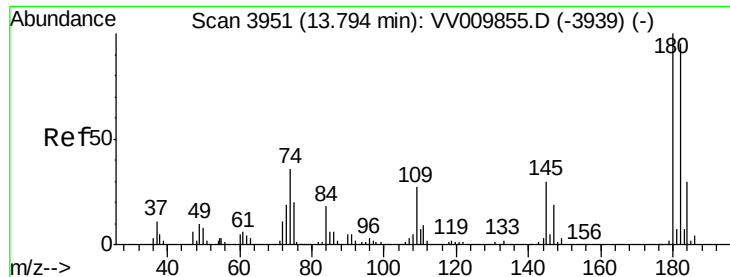
#69
 Naphthalene
 Concen: 2.963 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV009859.D
 Acq: 25 Mar 2019 13:48

Tgt Ion:128 Resp: 14117
 Ion Ratio Lower Upper
 128 100
 127 10.0 11.0 16.6#
 129 11.4 8.6 13.0



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: 4.134 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.01 min

Lab File: VV009859.D

Acq: 25 Mar 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

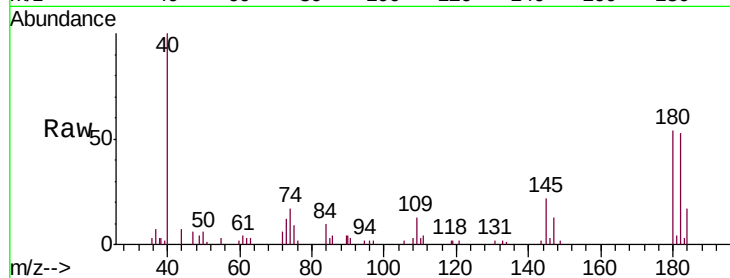
Tgt Ion:180 Resp: 6608

Ion Ratio Lower Upper

180 100

182 110.0 75.6 113.4

145 35.4 24.8 37.2



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

