

Data File : VV009853.D
Acq On : 25 Mar 2019 11:23
Operator : SY/MD
Sample : VSTD00563
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Quant Time: Mar 26 06:01:24 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	5.66	114	102715	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	96573	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41101	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10085	13.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	10685	15.21	ug/L	0.03
11) 1,1-Dichloroethene-d2	2.13	63	24513	15.05	ug/L	0.00
21) 2-Butanone-d5	3.93	46	6465	12.84	ug/L	0.00
24) Chloroform-d	4.40	84	12017	9.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7201	9.31	ug/L	0.00
32) Benzene-d6	5.10	84	22390	8.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7157	9.02	ug/L	0.00
41) Toluene-d8	7.36	98	19939	8.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2535	6.69	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	3911	9.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	9559	7.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	7267	8.62	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	6141	7.069	ug/L	99
3) Chloromethane	1.26	50	7203	8.392	ug/L	96
5) Vinyl chloride	1.33	62	9254	9.543	ug/L	90
6) Bromomethane	1.53	94	8049	13.497	ug/L	98
8) Chloroethane	1.60	64	7506	11.750	ug/L	96
9) Trichlorofluoromethane	1.77	101	20755	14.122	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10833	12.618	ug/L	96
12) 1,1-Dichloroethene	2.14	96	9638	11.768	ug/L	93
13) Acetone	2.19	43	7724	14.746	ug/L	95
14) Carbon disulfide	2.32	76	12483	6.287	ug/L #	93
15) Methyl Acetate	2.46	43	5037	6.630	ug/L	94
16) Methylene chloride	2.54	84	5795	7.460	ug/L	81
17) trans-1,2-Dichloroethene	2.79	96	4689	6.571	ug/L	93
19) 1,1-Dichloroethane	3.23	63	9812	7.783	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	5769	7.318	ug/L	98
23) Bromochloromethane	4.30	128	2413	5.775	ug/L #	67
25) Chloroform	4.43	83	10381	7.859	ug/L	95
27) 1,2-Dichloroethane	5.17	62	2963	3.081	ug/L #	92
29) Cyclohexane	4.72	56	3381	3.246	ug/L #	64
30) 1,1,1-Trichloroethane	4.66	97	7537	7.213	ug/L #	72
33) Benzene	5.15	78	21095	7.618	ug/L	100
34) Trichloroethene	5.96	95	5415	7.428	ug/L	80
35) Methylcyclohexane	6.18	83	6193	5.422	ug/L #	73
37) 1,2-Dichloropropane	6.22	63	5055	7.149	ug/L #	96
38) Bromodichloromethane	6.56	83	6027	6.635	ug/L #	85
39) cis-1,3-Dichloropropene	7.07	75	6148	5.442	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	11627	11.883	ug/L	96
42) Toluene	7.43	91	21050	6.927	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	5398	5.511	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	5249	7.236	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.02	164	4020	6.663	ug/L	94
48) 2-Hexanone	8.18	43	9229	11.383	ug/L #	94
49) Dibromochloromethane	8.29	129	4287	5.376	ug/L	83
50) 1,2-Dibromoethane	8.39	107	5216	6.550	ug/L #	80
51) Chlorobenzene	8.92	112	13638	6.776	ug/L	96
52) Ethylbenzene	9.05	91	20962	6.325	ug/L	98
53) m,p-Xylene	9.18	106	7053	5.532	ug/L	82
54) o-xylene	9.59	106	7755	6.132	ug/L	89
55) Styrene	9.61	104	10841	5.090	ug/L	87
56) Isopropylbenzene	9.98	105	18892	5.803	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7609	6.039	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	5898	6.160	ug/L	99
61) Bromoform	9.77	173	2441	4.829	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	9108	6.946	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	9822	7.192	ug/L	91
65) 1,2-Dichlorobenzene	11.69	146	9433	6.996	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.70	75	1411	6.560	ug/L #	3
67) 1,3,5-Trichlorobenzene	12.69	180	6251	6.222	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	4645	5.340	ug/L #	94
69) Naphthalene	13.56	128	9671	3.576	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	5140	5.667	ug/L #	87

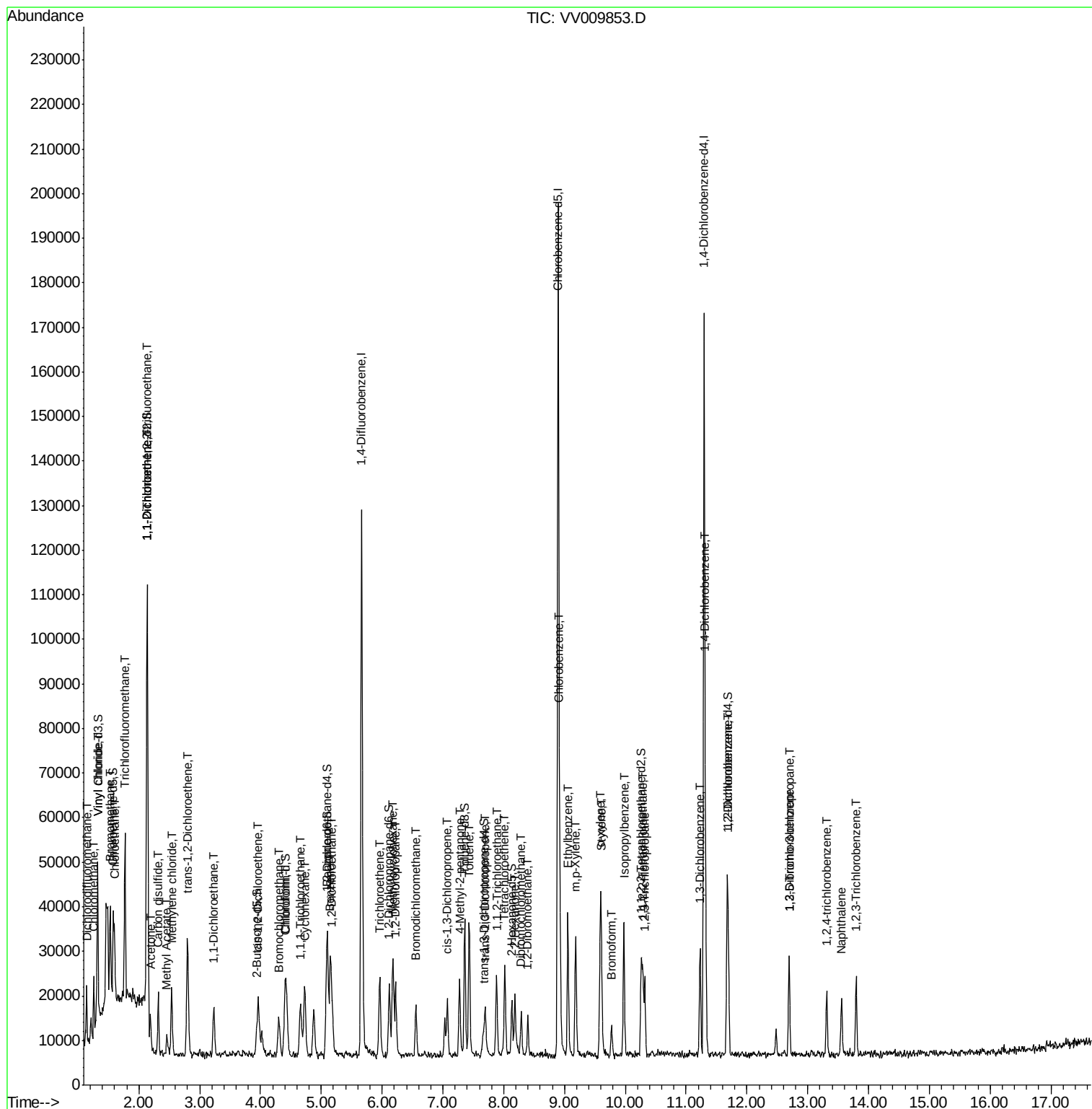
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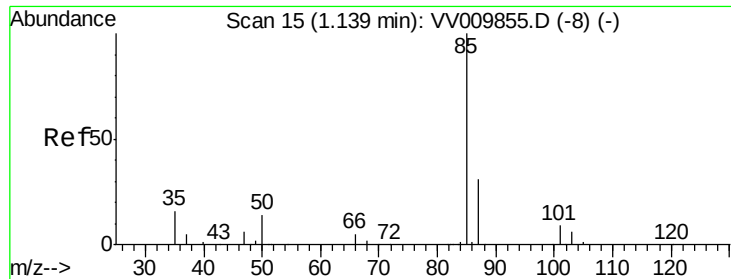
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#2

Dichlorodifluoromethane

Concen: 7.069 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

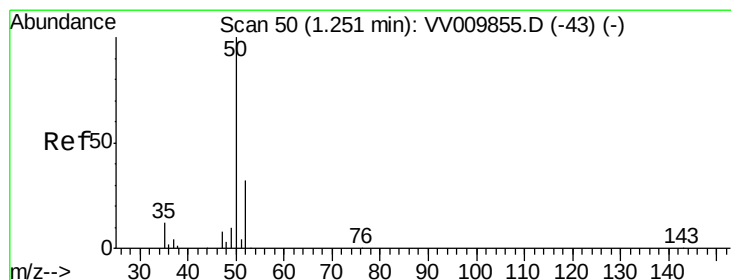
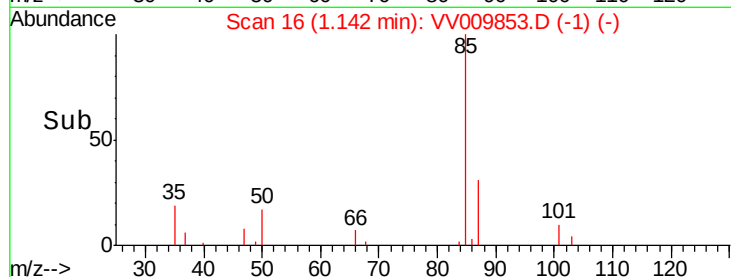
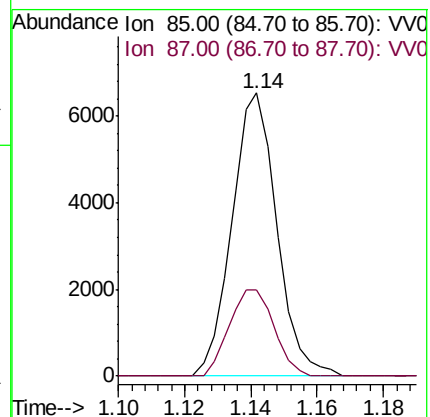
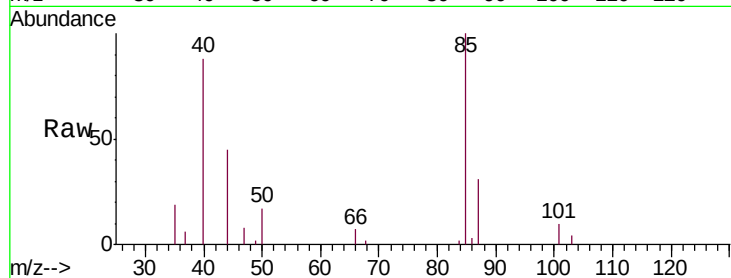
VSTD00563

Tgt Ion: 85 Resp: 6141

Ion Ratio Lower Upper

85 100

87 30.3 24.6 37.0



#3

Chloromethane

Concen: 8.392 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV009853.D

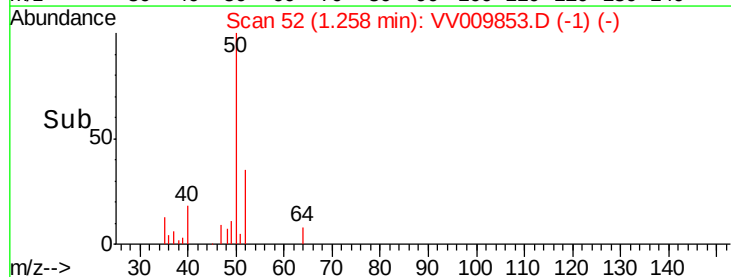
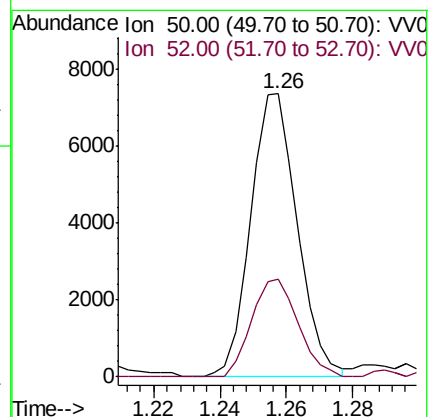
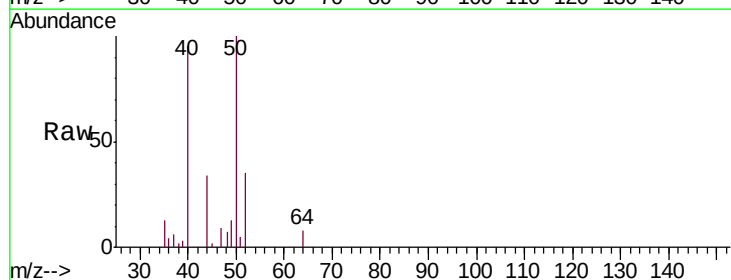
Acq: 25 Mar 2019 11:23

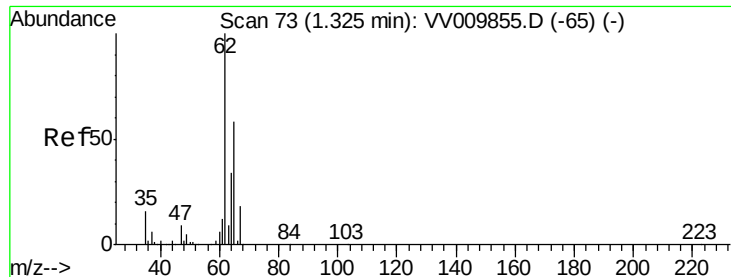
Tgt Ion: 50 Resp: 7203

Ion Ratio Lower Upper

50 100

52 34.6 22.6 42.0





#5

Vinyl chloride

Concen: 9.543 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

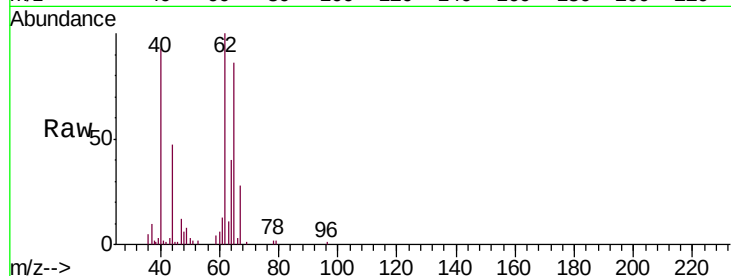
VSTD00563

Tgt Ion: 62 Resp: 9254

Ion Ratio Lower Upper

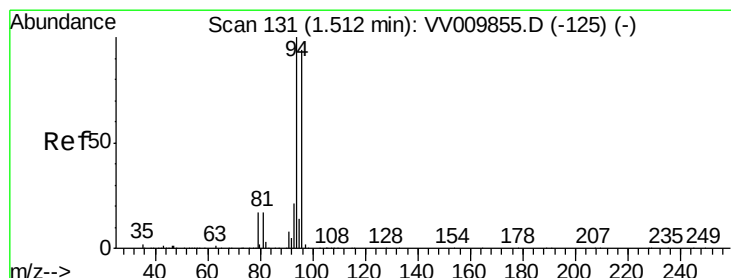
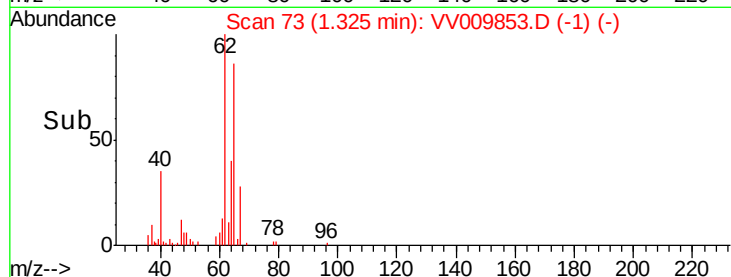
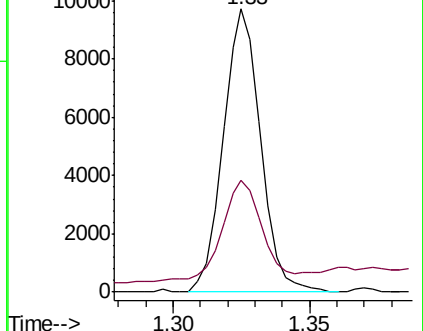
62 100

64 39.7 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV009855.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009855.D (-65) (-)



#6

Bromomethane

Concen: 13.497 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.02 min

Lab File: VV009853.D

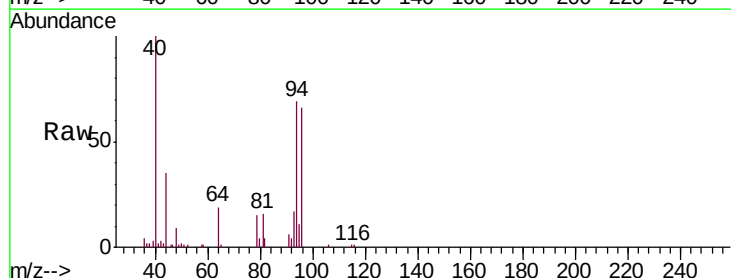
Acq: 25 Mar 2019 11:23

Tgt Ion: 94 Resp: 8049

Ion Ratio Lower Upper

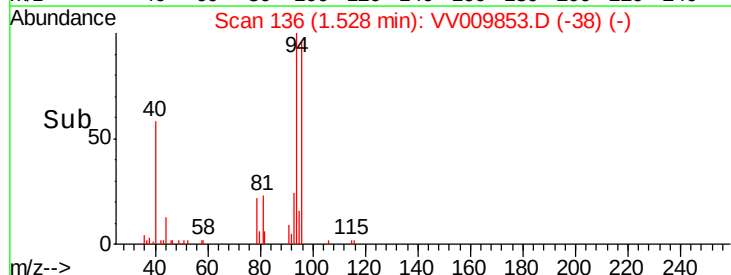
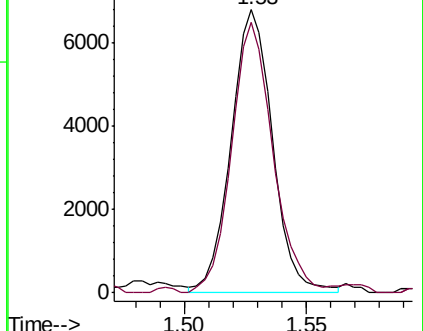
94 100

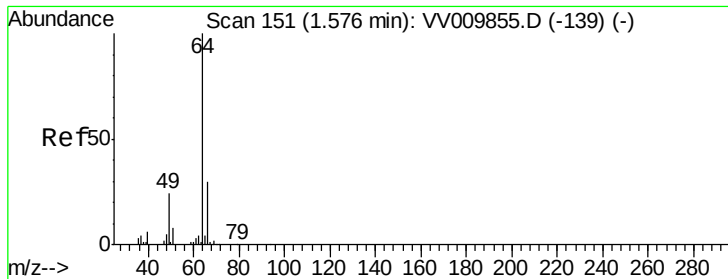
96 95.6 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV009855.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009855.D (-125) (-)





#8

Chloroethane

Concen: 11.750 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.02 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

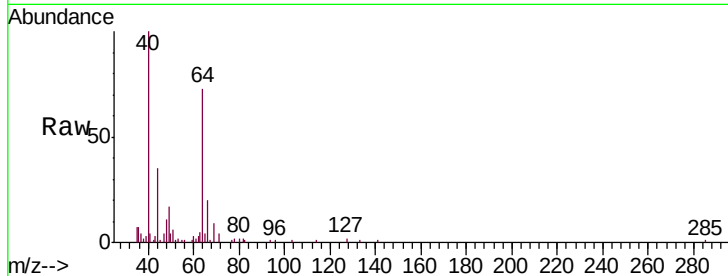
VSTD00563

Tgt Ion: 64 Resp: 7506

Ion Ratio Lower Upper

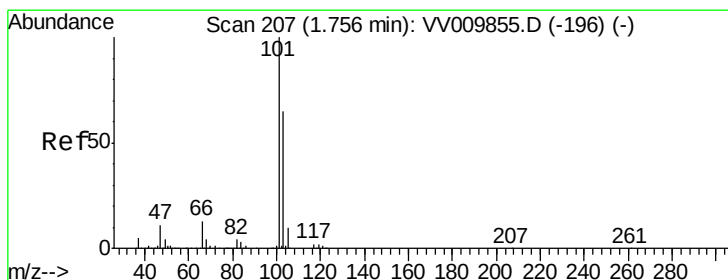
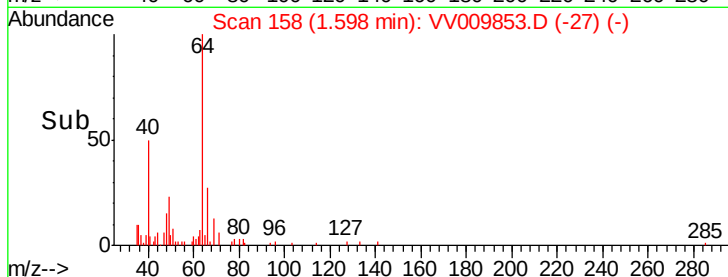
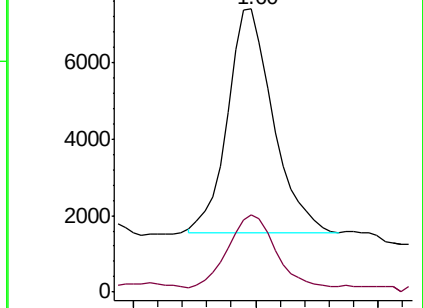
64 100

66 27.4 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VV009855.D (-139) (-)

Ion 66.00 (65.70 to 66.70): VV009855.D (-139) (-)



#9

Trichlorofluoromethane

Concen: 14.122 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV009853.D

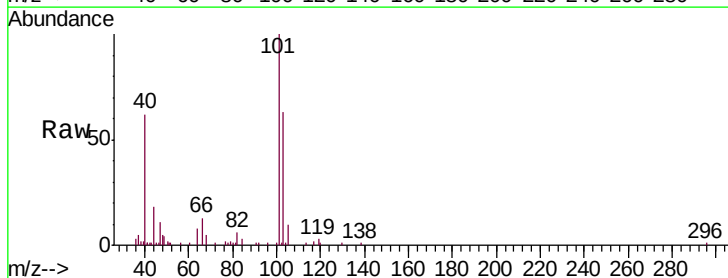
Acq: 25 Mar 2019 11:23

Tgt Ion: 101 Resp: 20755

Ion Ratio Lower Upper

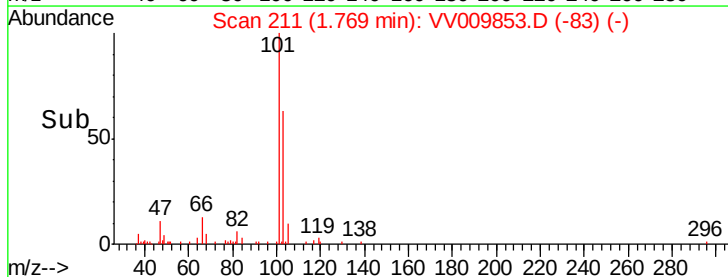
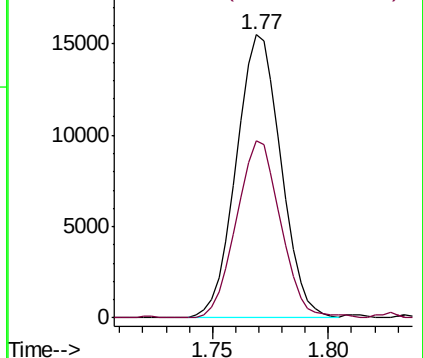
101 100

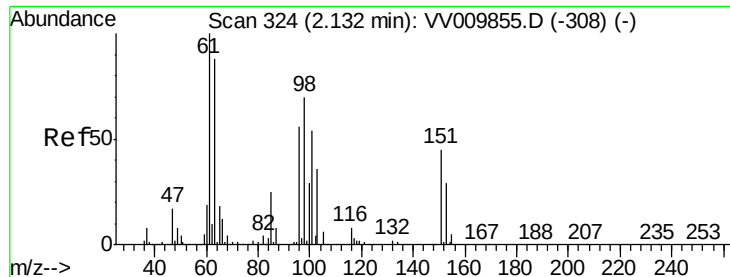
103 62.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV009855.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV009855.D (-196) (-)





#10

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

Concen: 12.618 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

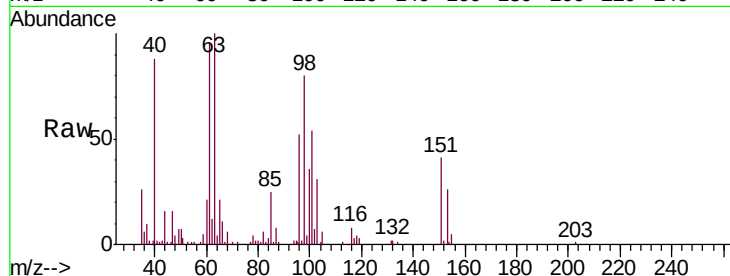
Tgt Ion:101 Resp: 10833

Ion Ratio Lower Upper

101 100

85 45.0 37.0 55.4

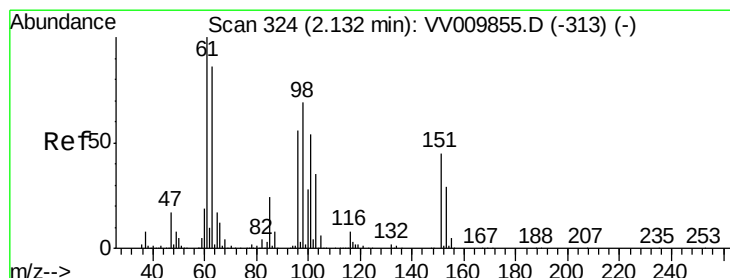
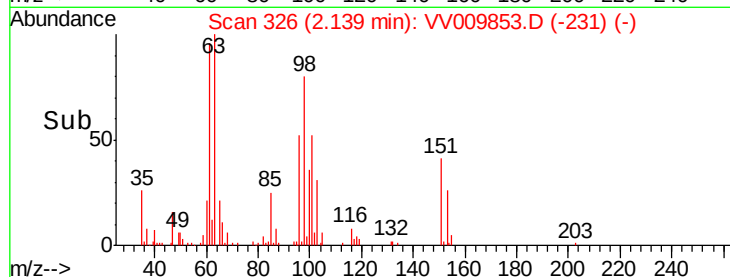
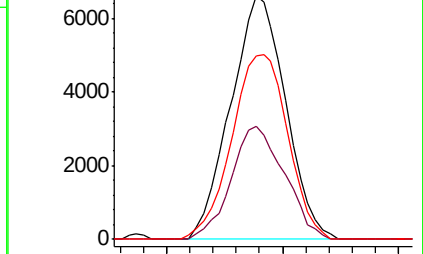
151 77.6 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV009853.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV009853.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV009853.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 11.768 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

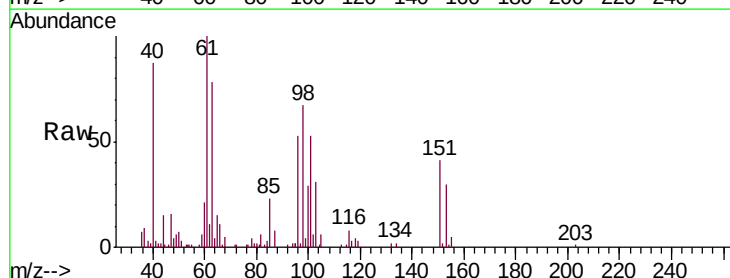
Tgt Ion: 96 Resp: 9638

Ion Ratio Lower Upper

96 100

61 188.0 125.3 232.7

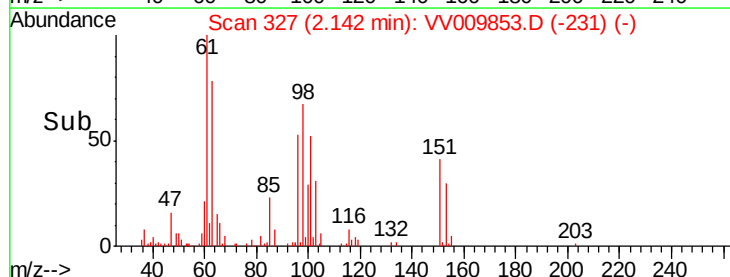
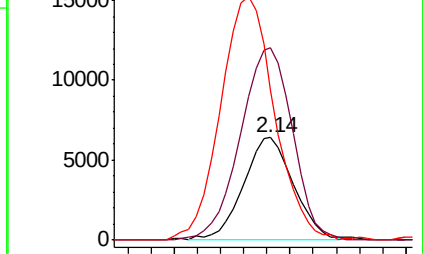
63 146.0 109.7 203.7

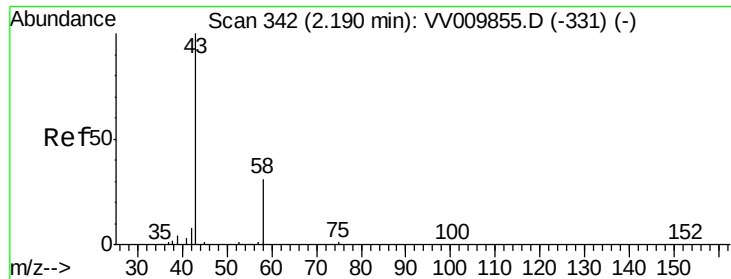


Abundance Ion 96.00 (95.70 to 96.70): VV009853.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV009853.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV009853.D (-231) (-)





#13

Acetone

Concen: 14.746 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

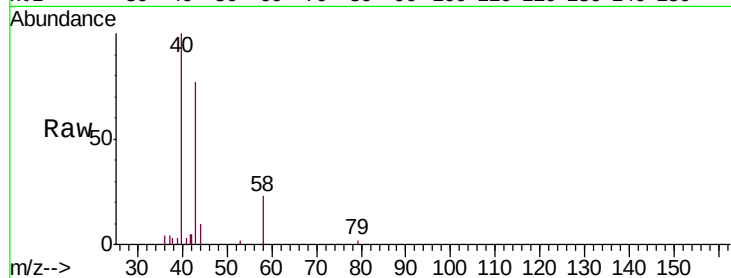
VSTD00563

Tgt Ion: 43 Resp: 7724

Ion Ratio Lower Upper

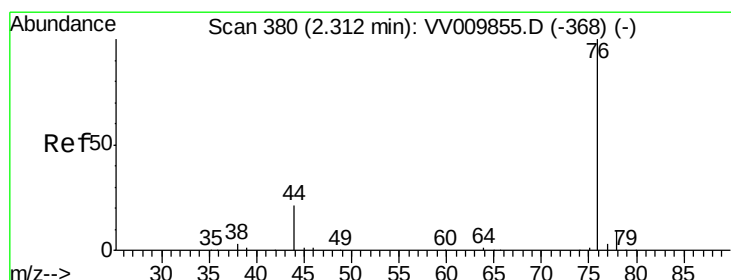
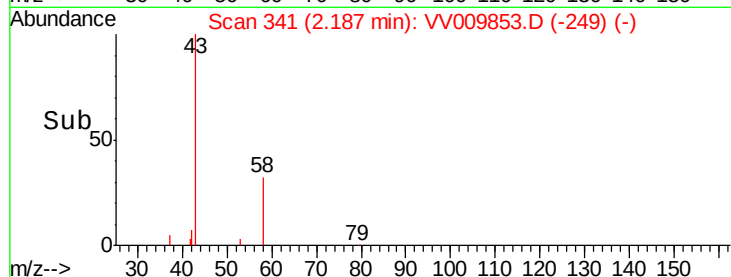
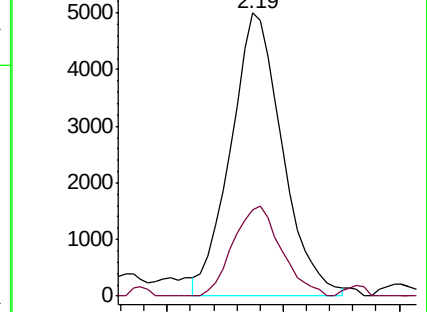
43 100

58 29.6 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: 6.287 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV009853.D

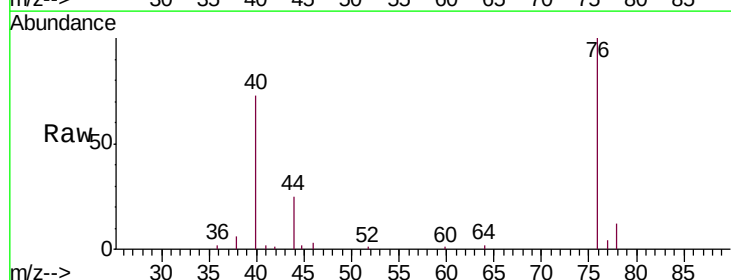
Acq: 25 Mar 2019 11:23

Tgt Ion: 76 Resp: 12483

Ion Ratio Lower Upper

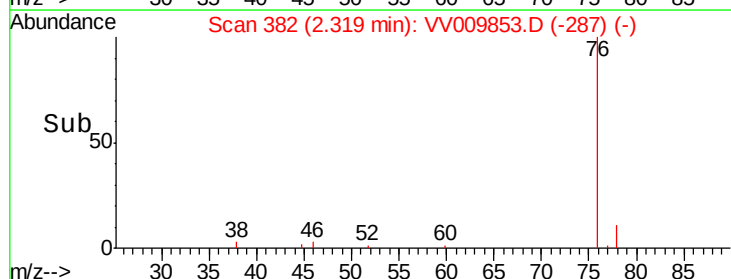
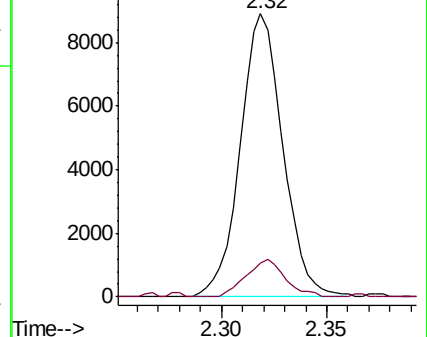
76 100

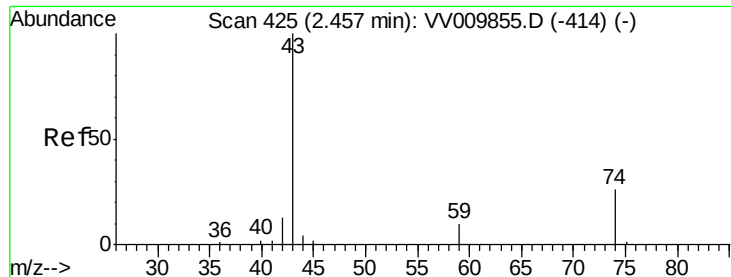
78 12.0 7.4 11.2#



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

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

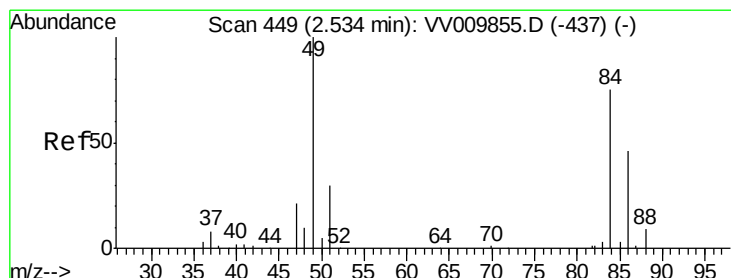
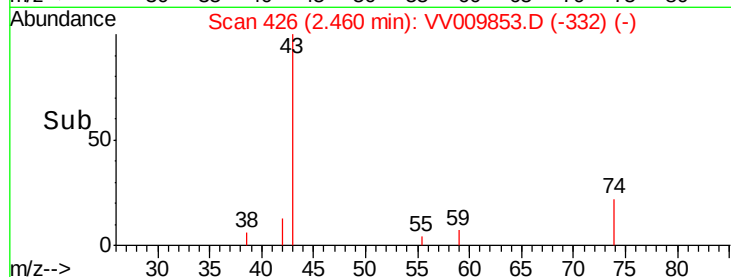
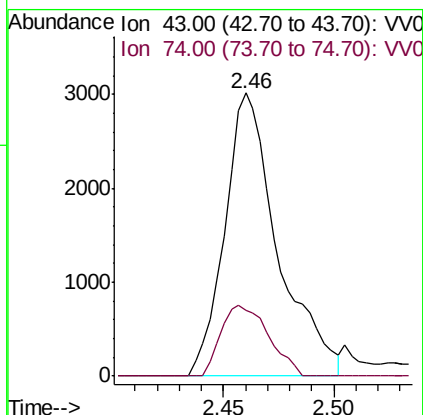
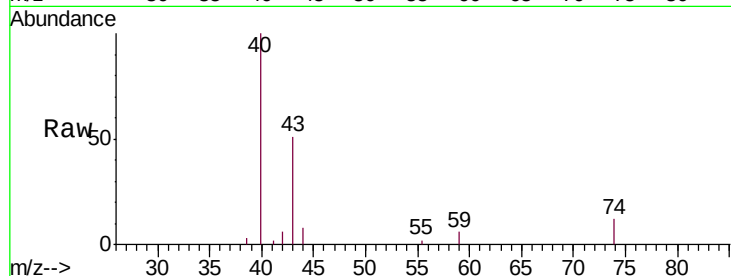




#15
Methyl Acetate
Concen: 6.630 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

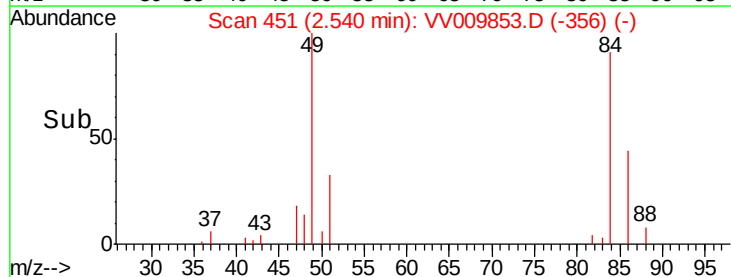
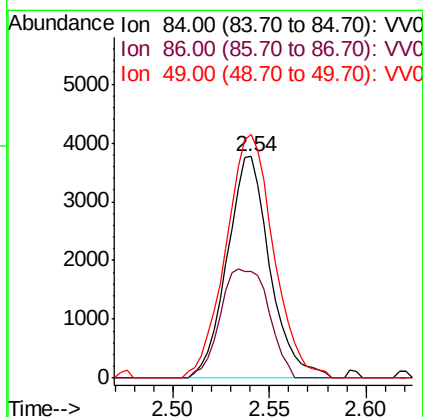
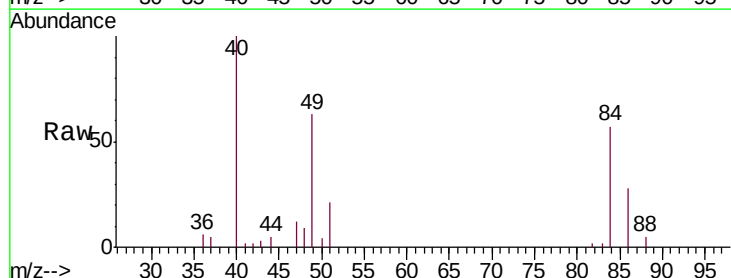
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

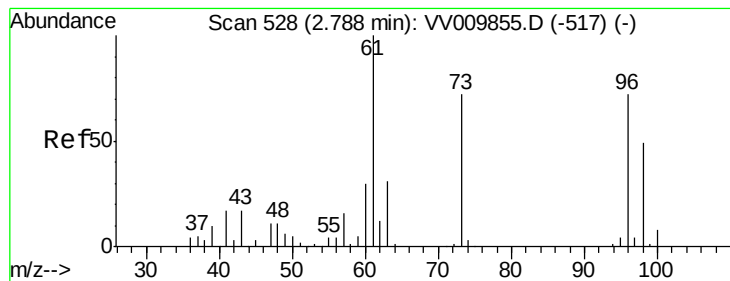
Tgt Ion: 43 Resp: 5037
Ion Ratio Lower Upper
43 100
74 22.5 20.6 31.0



#16
Methylene chloride
Concen: 7.460 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 84 Resp: 5795
Ion Ratio Lower Upper
84 100
86 48.1 42.8 79.4
49 109.9 93.7 173.9





#17

trans-1,2-Dichloroethene

Concen: 6.571 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

VSTD00563

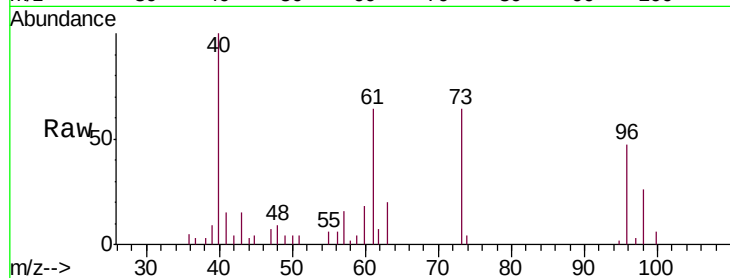
Tgt Ion: 96 Resp: 4689

Ion Ratio Lower Upper

96 100

61 135.5 96.9 179.9

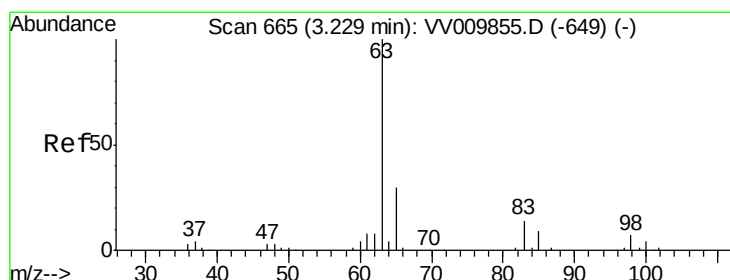
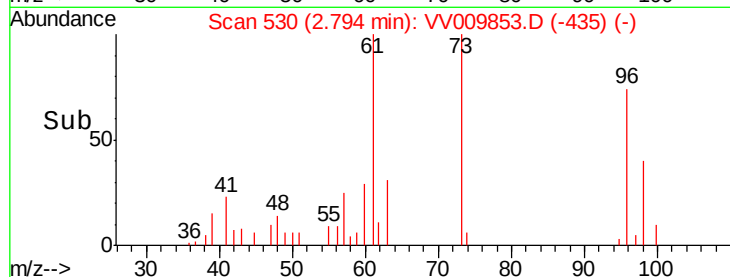
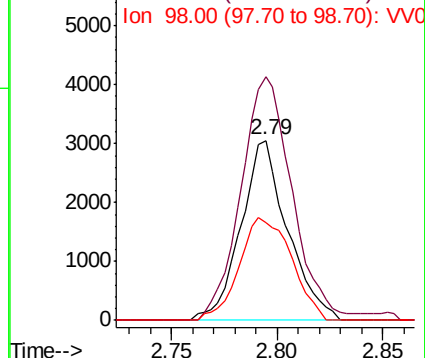
98 54.6 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VV009853.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009853.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009853.D (-517) (-)



#19

1,1-Dichloroethane

Concen: 7.783 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

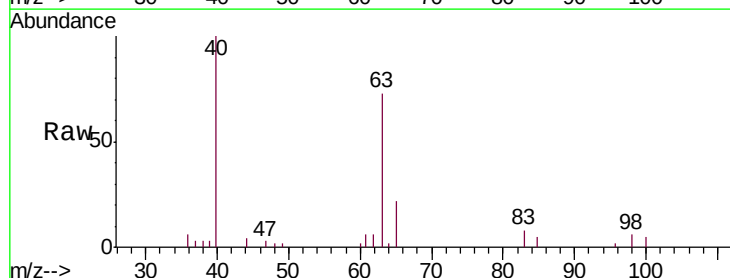
Tgt Ion: 63 Resp: 9812

Ion Ratio Lower Upper

63 100

65 30.2 20.8 38.6

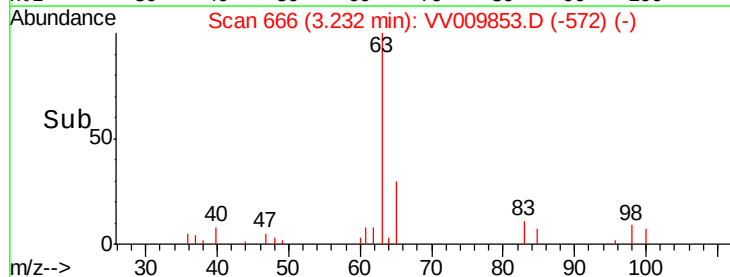
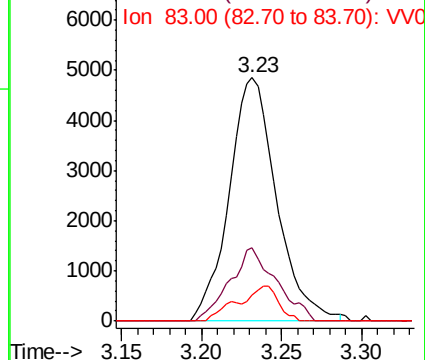
83 10.9 9.7 17.9

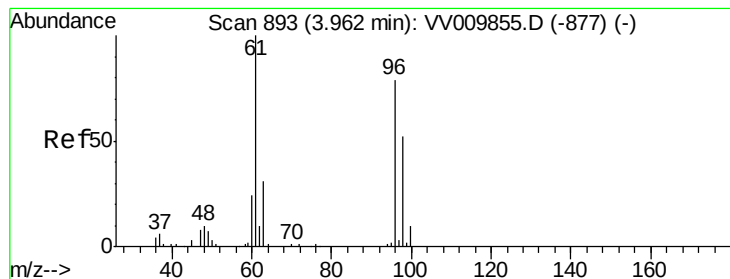


Abundance Ion 63.00 (62.70 to 63.70): VV009853.D (-572) (-)

Ion 65.00 (64.70 to 65.70): VV009853.D (-572) (-)

Ion 83.00 (82.70 to 83.70): VV009853.D (-572) (-)



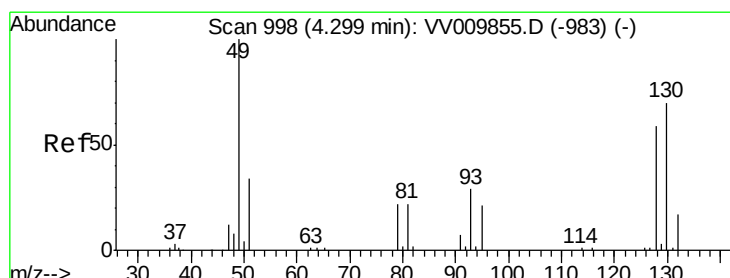
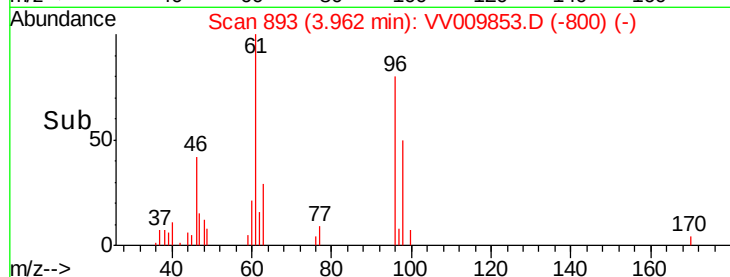
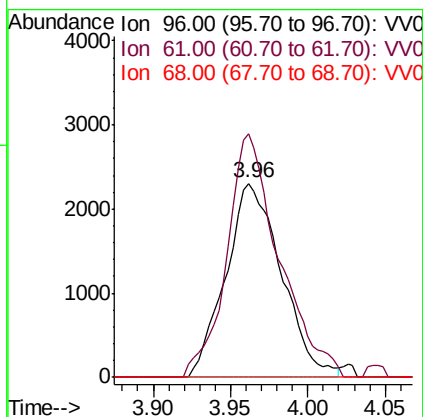
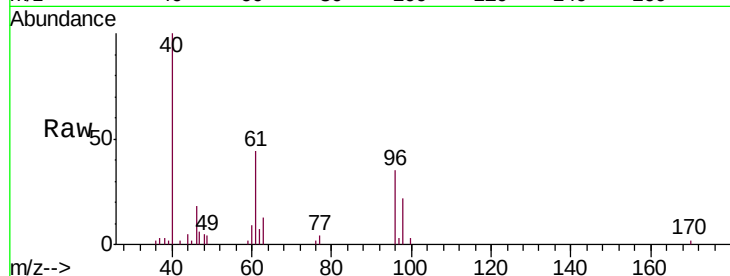


#20

cis-1,2-Dichloroethene
 Concen: 7.318 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

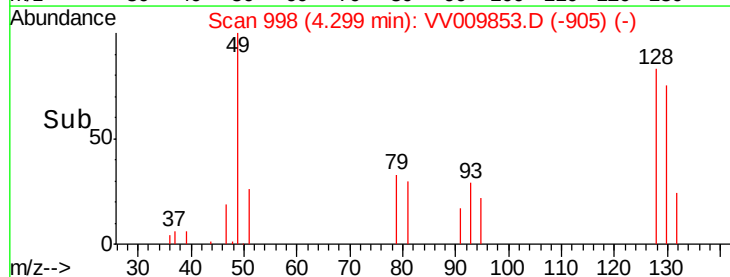
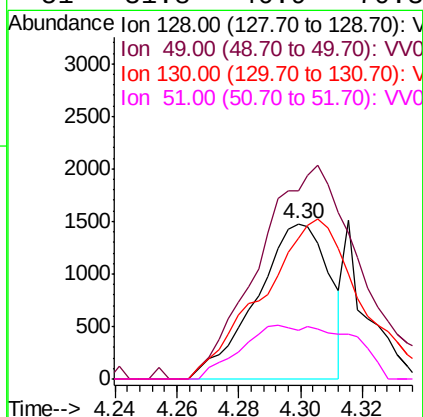
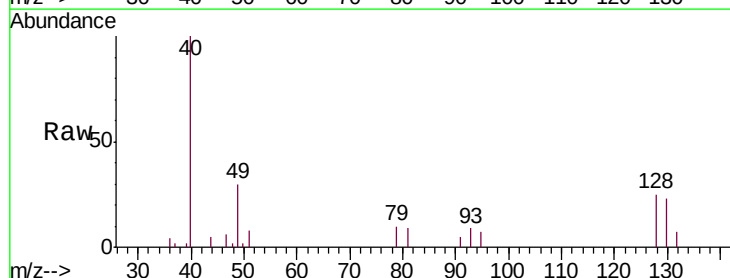
Tgt Ion: 96 Resp: 5769
 Ion Ratio Lower Upper
 96 100
 61 125.4 89.4 166.0
 68 0.0 0.0 0.0

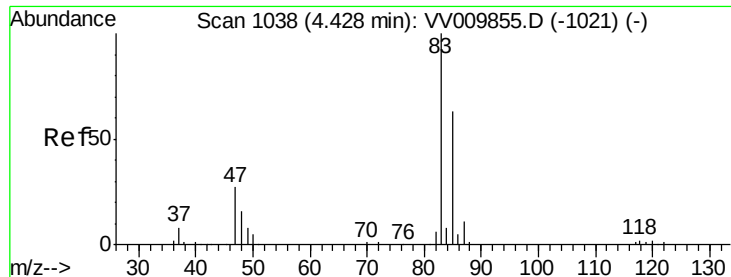


#23

Bromochloromethane
 Concen: 5.775 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

Tgt Ion: 128 Resp: 2413
 Ion Ratio Lower Upper
 128 100
 49 121.1 120.5 223.9
 130 90.9 84.0 156.0
 51 31.8 46.9 70.3#





#25

Chloroform

Concen: 7.859 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

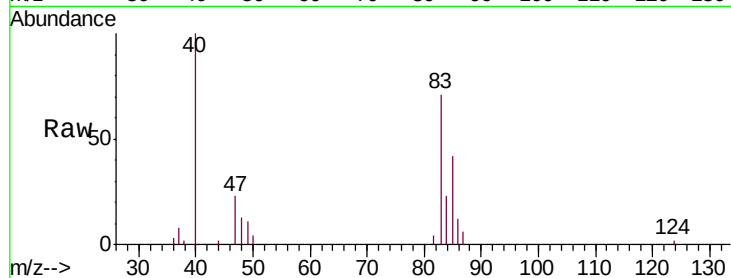
VSTD00563

Tgt Ion: 83 Resp: 10381

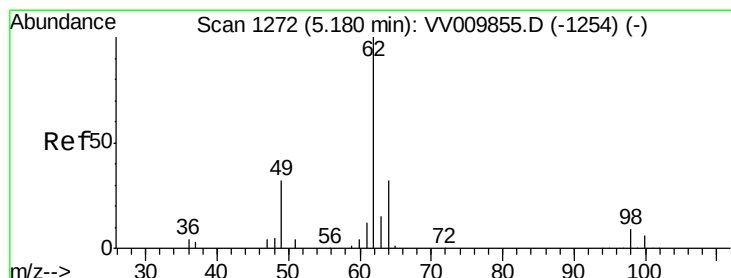
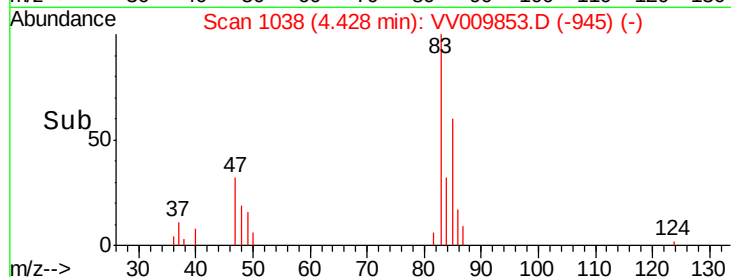
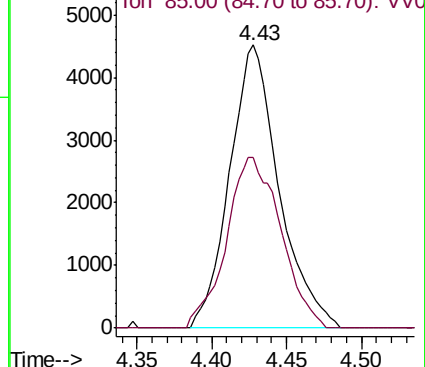
Ion Ratio Lower Upper

83 100

85 60.2 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV009853.D (-1021) (-)



#27

1,2-Dichloroethane

Concen: 3.081 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VV009853.D

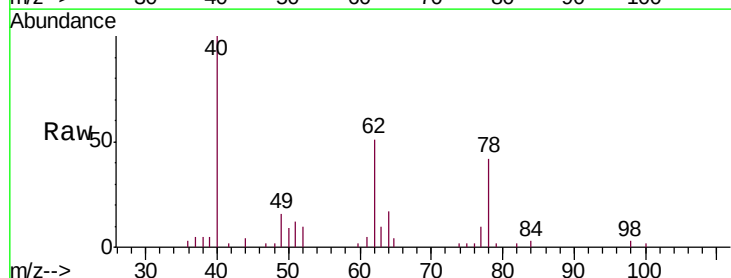
Acq: 25 Mar 2019 11:23

Tgt Ion: 62 Resp: 2963

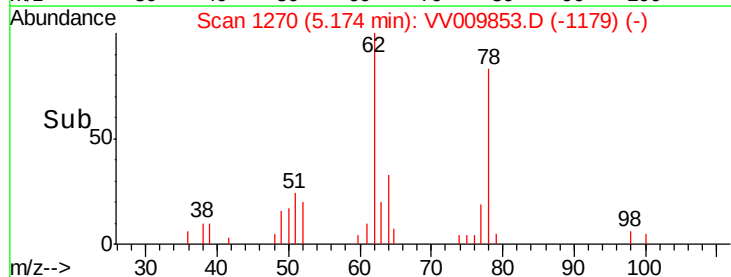
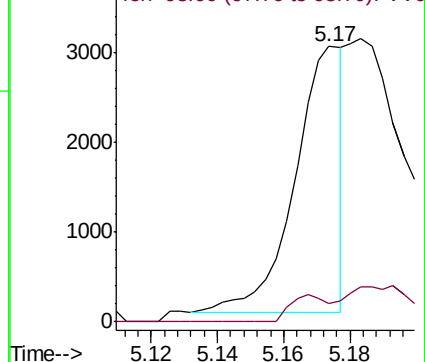
Ion Ratio Lower Upper

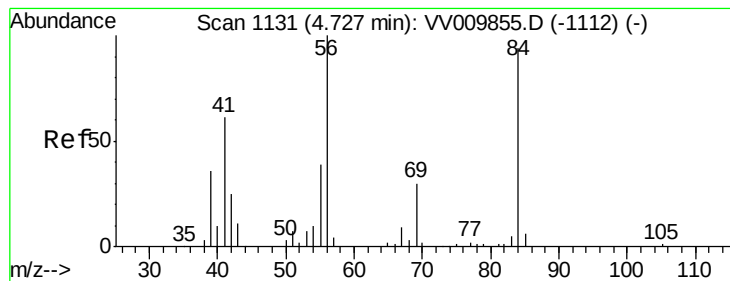
62 100

98 6.5 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV009853.D (-1179) (-)





#29

Cyclohexane

Concen: 3.246 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

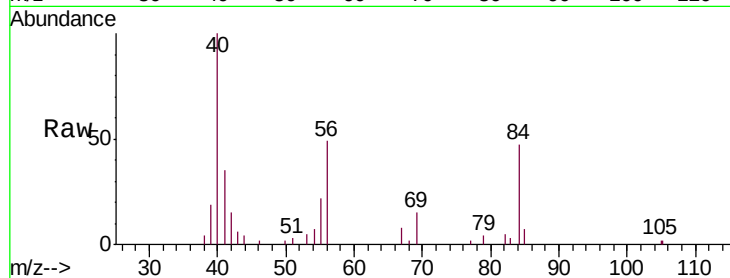
Tgt Ion: 56 Resp: 3381

Ion Ratio Lower Upper

56 100

69 63.4 23.4 35.0#

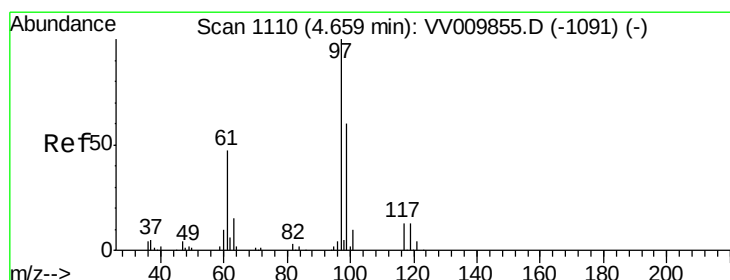
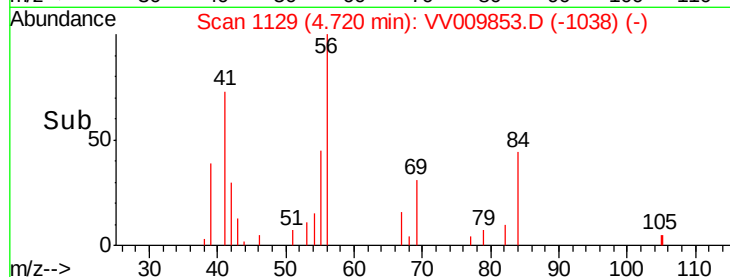
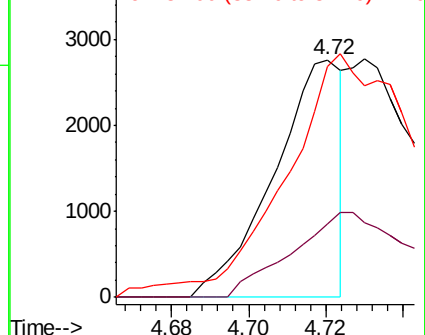
84 120.3 75.0 112.6#



Abundance Ion 56.00 (55.70 to 56.70): VV009853.D (-1129) (-)

Ion 69.00 (68.70 to 69.70): VV009853.D (-1129) (-)

Ion 84.00 (83.70 to 84.70): VV009853.D (-1129) (-)



#30

1,1,1-Trichloroethane

Concen: 7.213 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

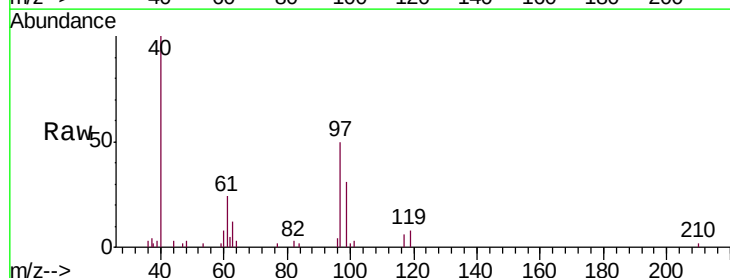
Tgt Ion: 97 Resp: 7537

Ion Ratio Lower Upper

97 100

99 42.3 49.1 73.7#

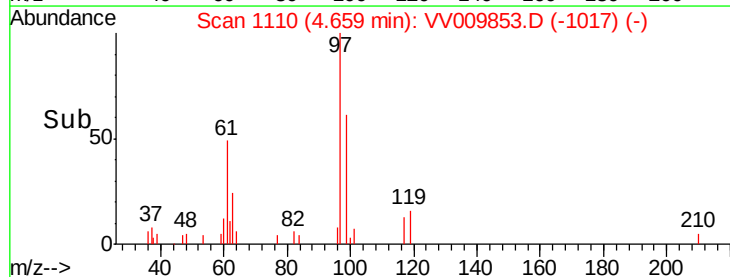
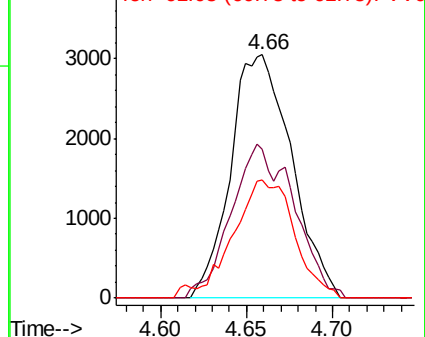
61 26.3 37.6 56.4#

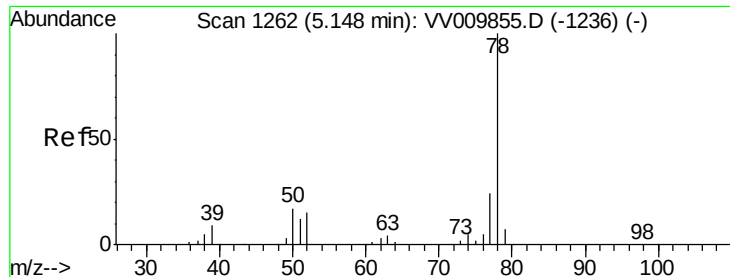


Abundance Ion 97.00 (96.70 to 97.70): VV009853.D (-1110) (-)

Ion 99.00 (98.70 to 99.70): VV009853.D (-1110) (-)

Ion 61.05 (60.75 to 61.75): VV009853.D (-1110) (-)

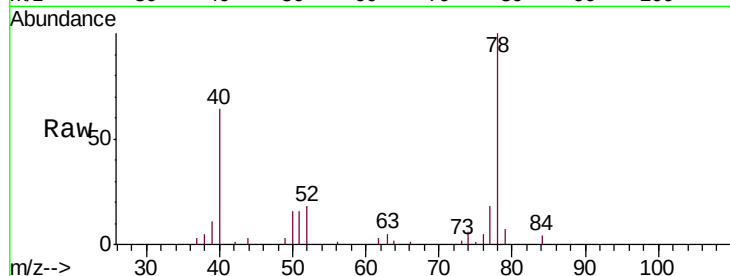




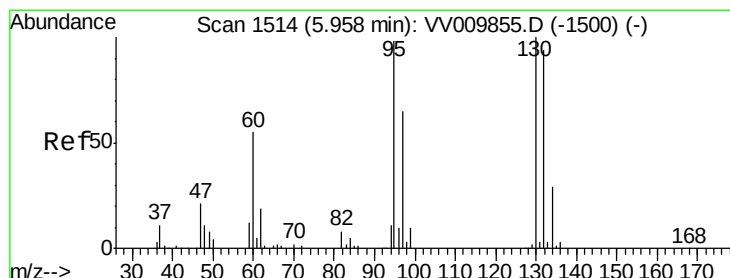
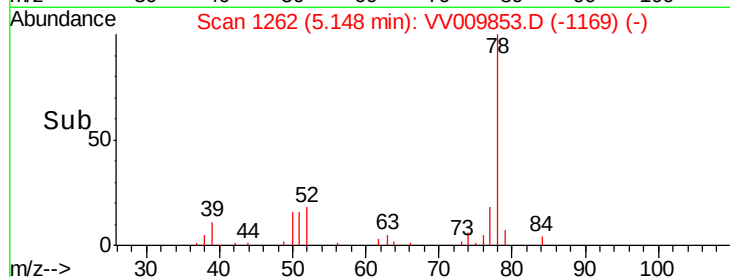
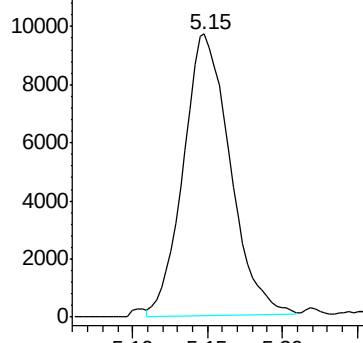
#33
Benzene
Concen: 7.618 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 78 Resp: 21095

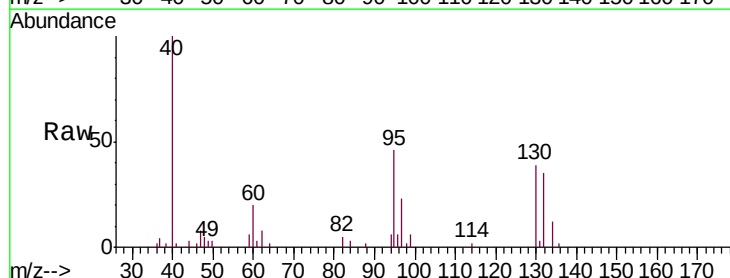


Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 7.428 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 95 Resp: 5415
Ion Ratio Lower Upper
95 100
97 49.7 46.1 85.5
132 74.8 67.0 124.4
130 84.1 71.4 132.6

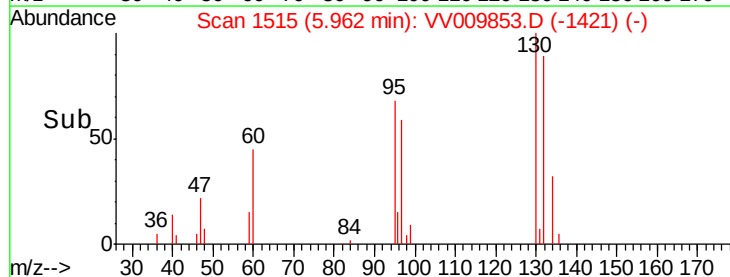
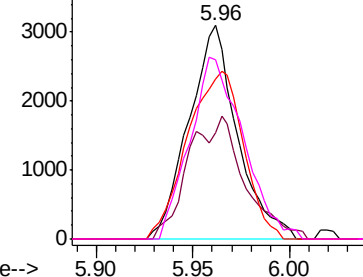


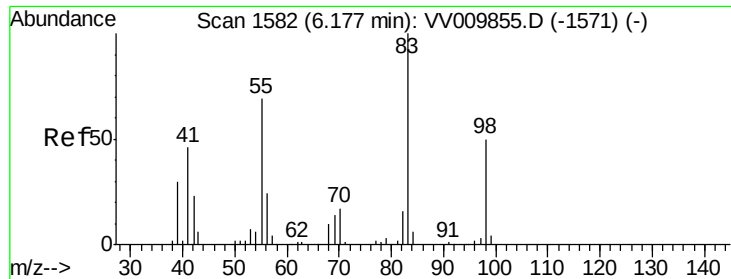
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

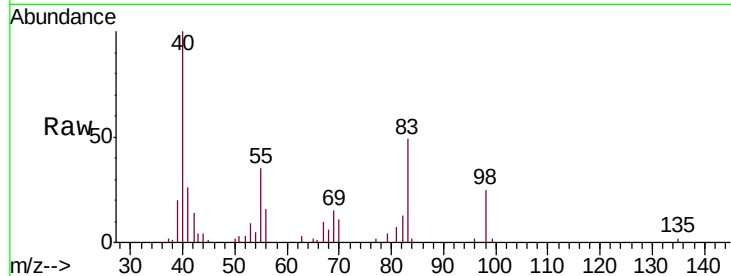




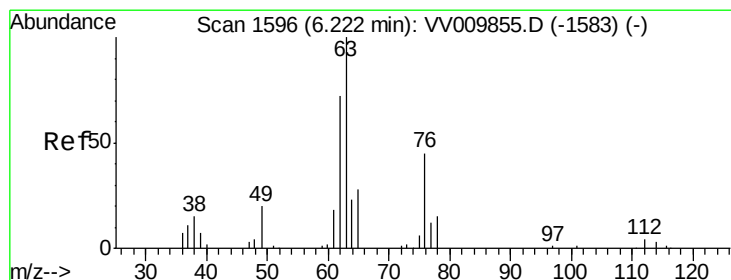
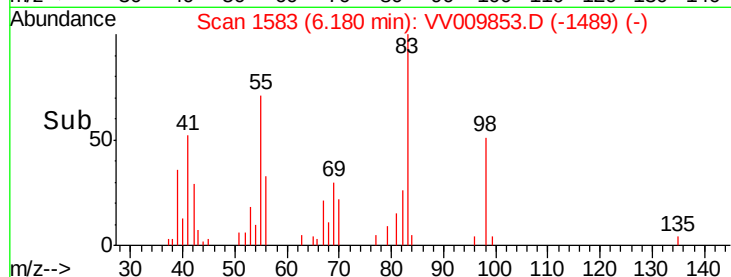
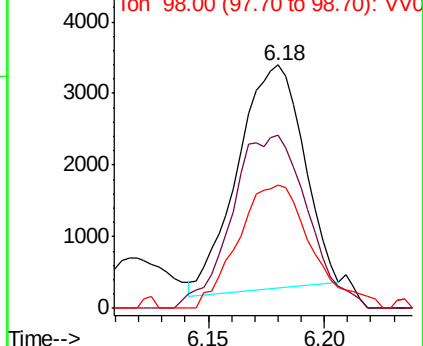
#35
Methylcyclohexane
Concen: 5.422 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 83 Resp: 6193
Ion Ratio Lower Upper
83 100
55 41.1 55.5 83.3#
98 61.4 40.2 60.2#

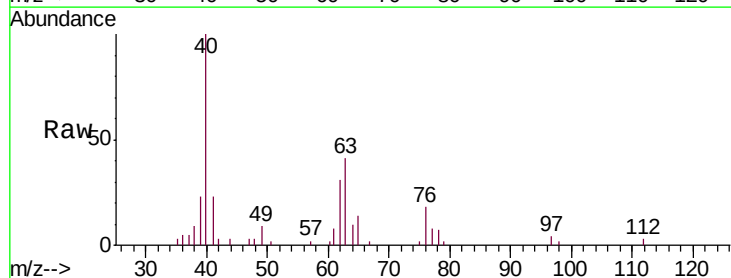


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

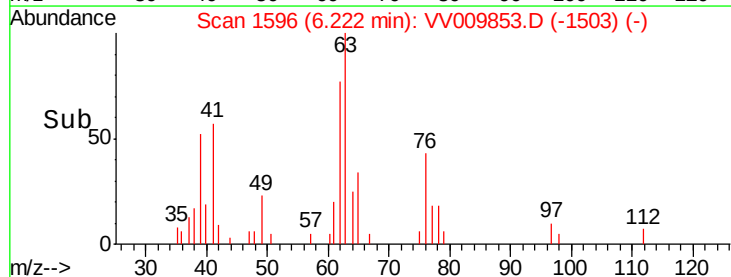
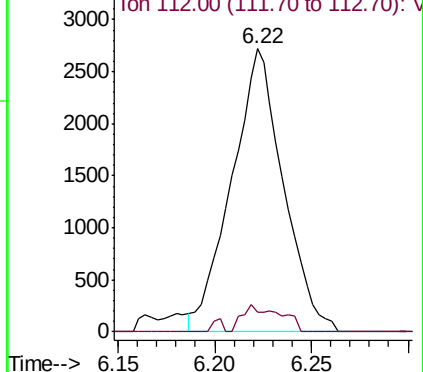


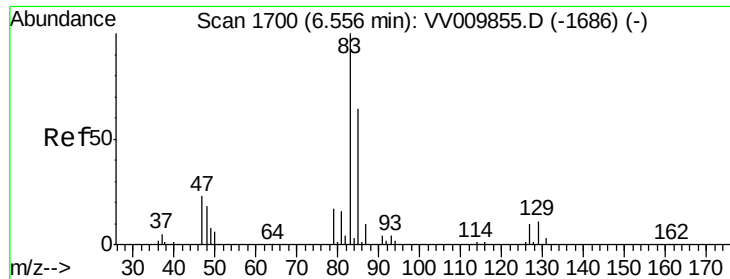
#37
1,2-Dichloropropane
Concen: 7.149 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 63 Resp: 5055
Ion Ratio Lower Upper
63 100
112 3.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 6.635 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

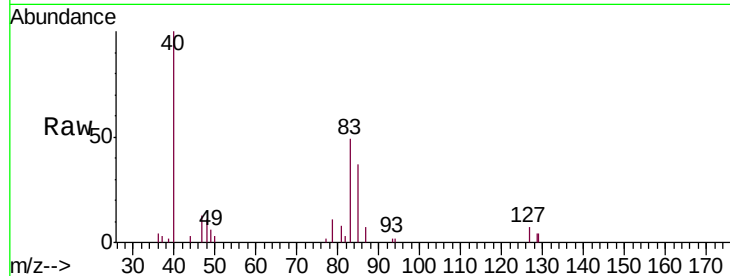
Tgt Ion: 83 Resp: 6027

Ion Ratio Lower Upper

83 100

85 75.9 44.6 82.8

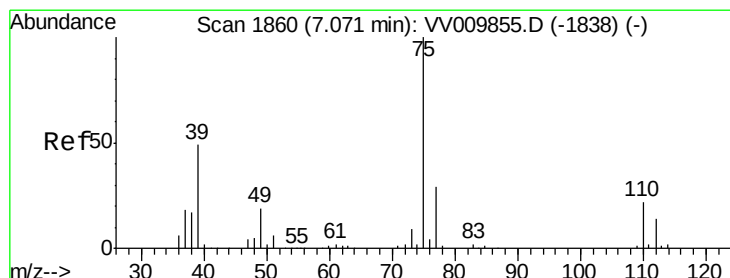
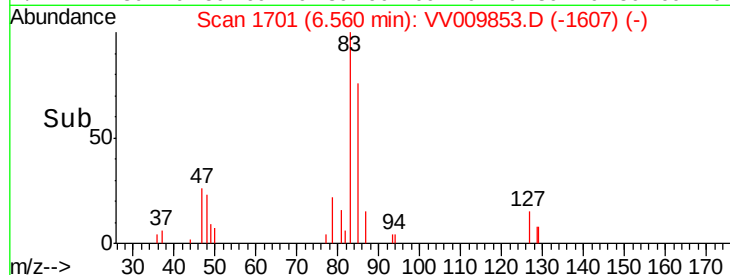
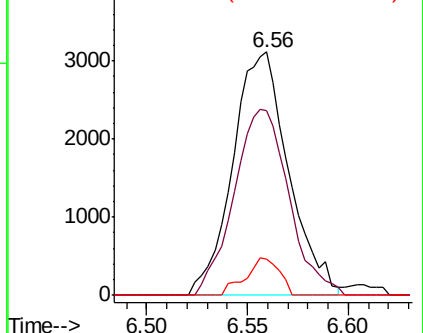
127 15.0 8.2 12.2#



Abundance Ion 83.00 (82.70 to 83.70): VV009853.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV009853.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV009853.D (-1686) (-)



#39

cis-1,3-Dichloropropene

Concen: 5.442 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV009853.D

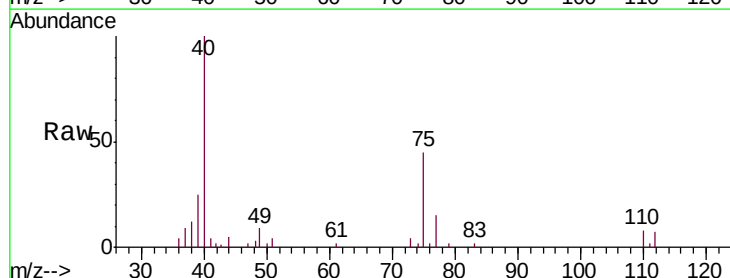
Acq: 25 Mar 2019 11:23

Tgt Ion: 75 Resp: 6148

Ion Ratio Lower Upper

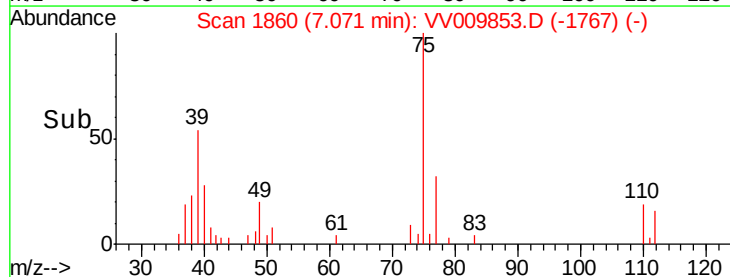
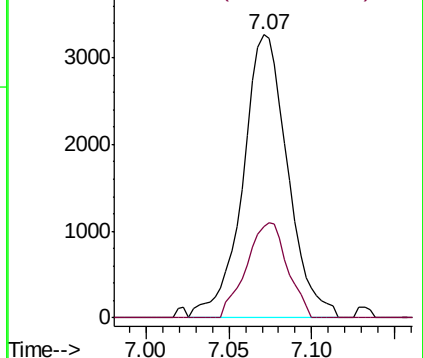
75 100

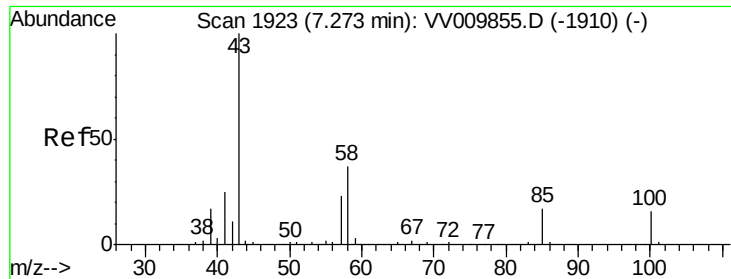
77 32.2 20.5 38.1



Abundance Ion 75.00 (74.70 to 75.70): VV009853.D (-1767) (-)

Ion 77.00 (76.70 to 77.70): VV009853.D (-1767) (-)

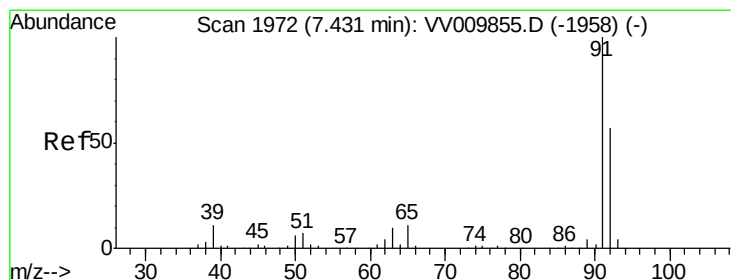
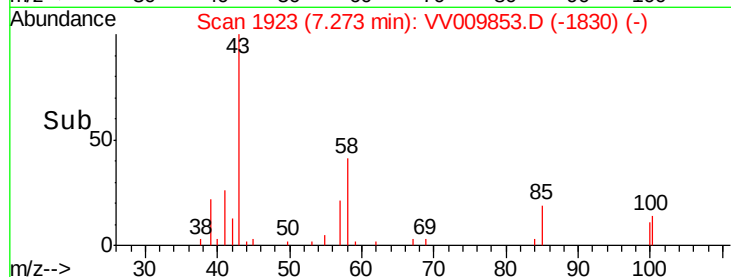
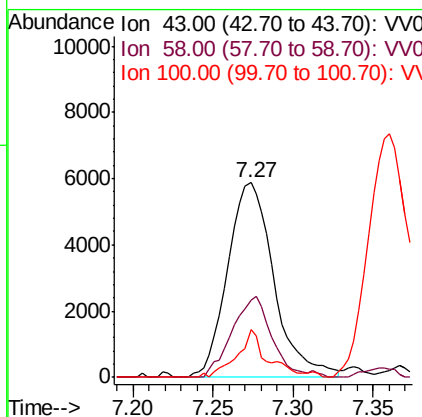
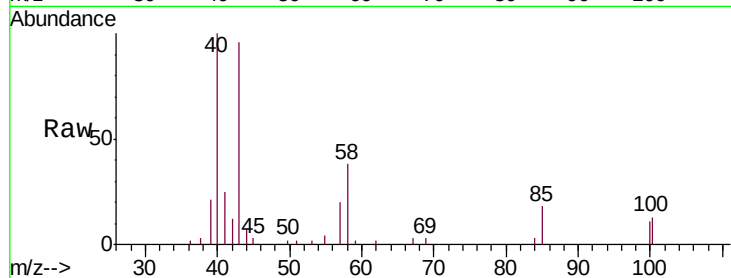




#40
4-Methyl-2-pentanone
Concen: 11.883 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

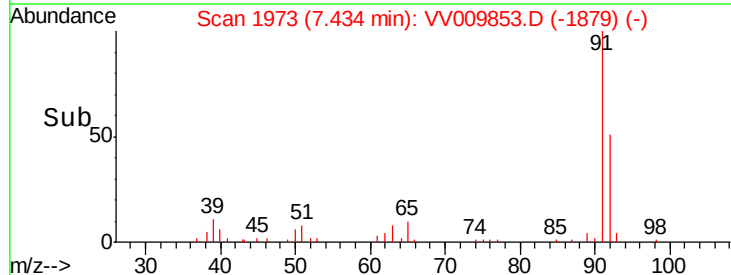
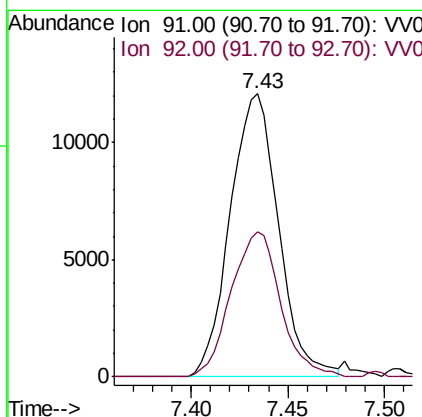
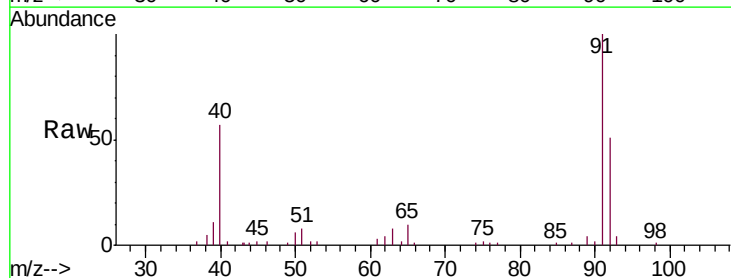
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

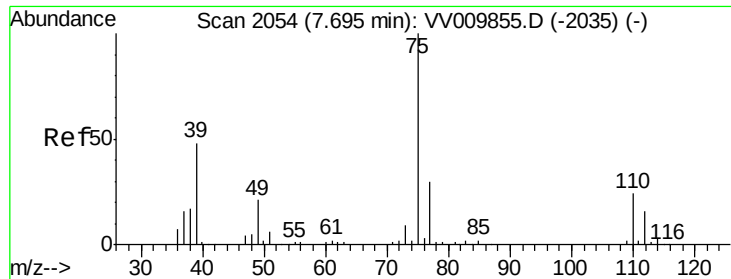
Tgt Ion: 43 Resp: 11627
Ion Ratio Lower Upper
43 100
58 35.3 29.8 44.8
100 12.6 12.2 18.4



#42
Toluene
Concen: 6.927 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 91 Resp: 21050
Ion Ratio Lower Upper
91 100
92 51.5 40.2 74.6

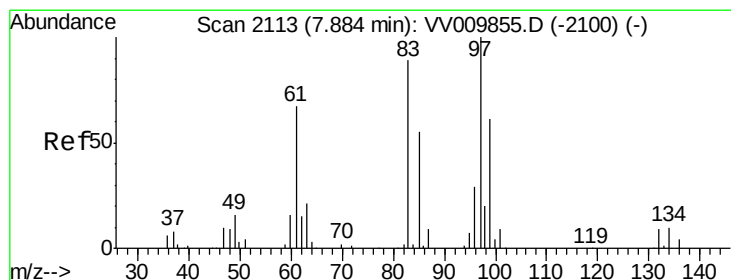
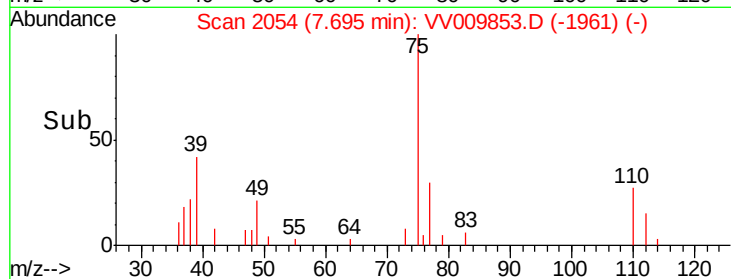
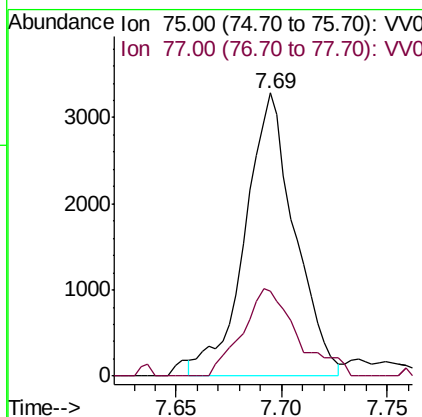
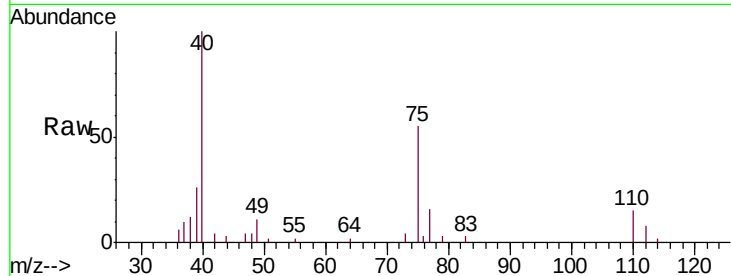




#44
trans-1,3-Dichloropropene
Concen: 5.511 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

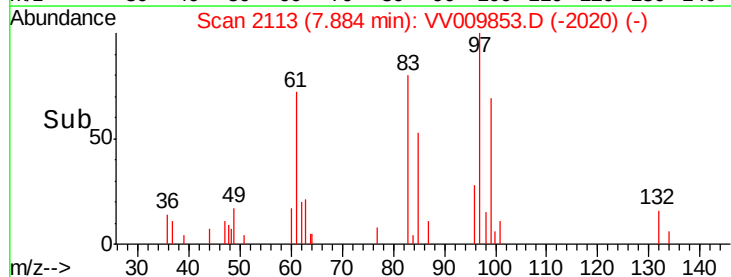
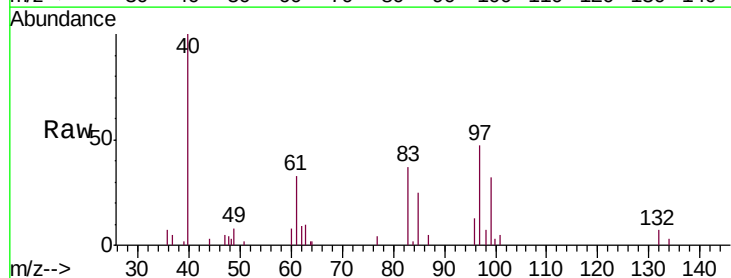
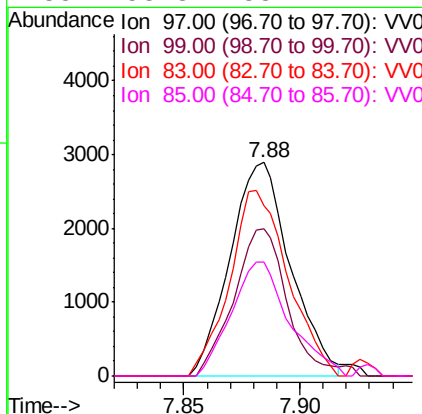
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

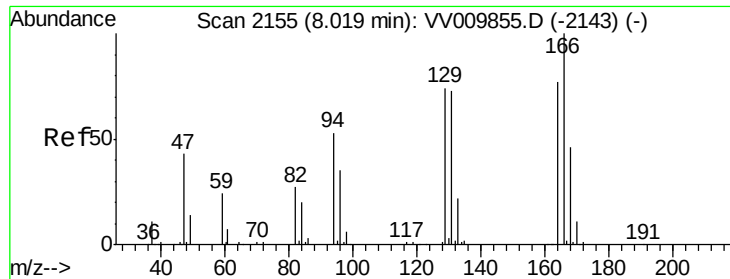
Tgt Ion: 75 Resp: 5398
Ion Ratio Lower Upper
75 100
77 29.9 20.7 38.5



#45
1,1,2-Trichloroethane
Concen: 7.236 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 97 Resp: 5249
Ion Ratio Lower Upper
97 100
99 69.2 42.4 78.6
83 79.6 62.1 115.3
85 53.3 38.4 71.4

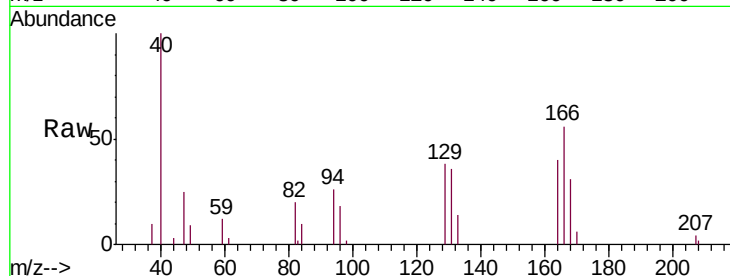




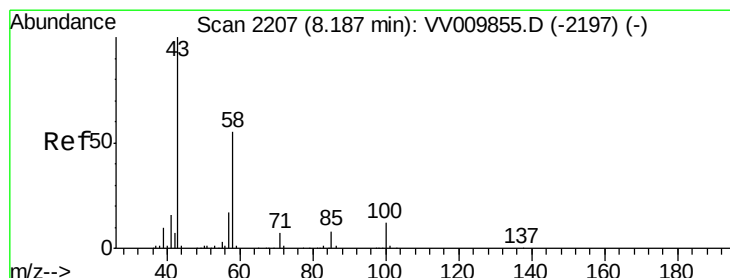
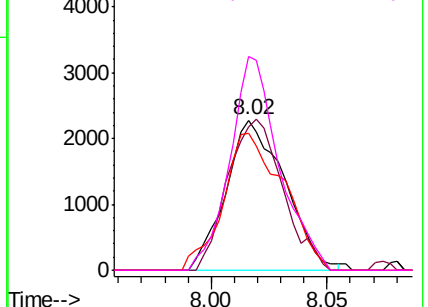
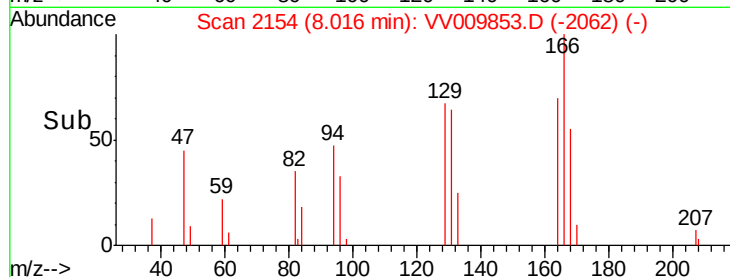
#46
Tetrachloroethene
Concen: 6.663 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:164 Resp: 4020
Ion Ratio Lower Upper
164 100
129 95.9 66.8 124.0
131 91.9 65.7 122.1
166 142.6 90.4 167.8

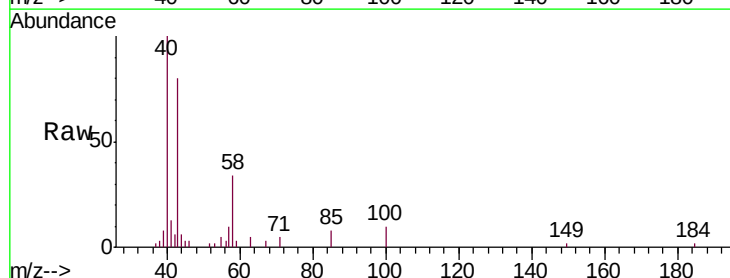


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

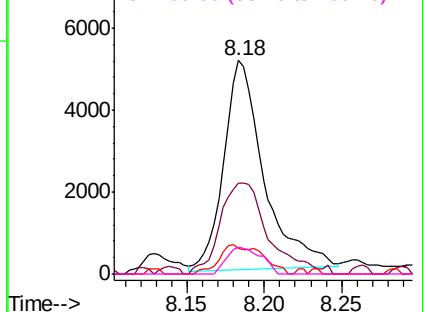
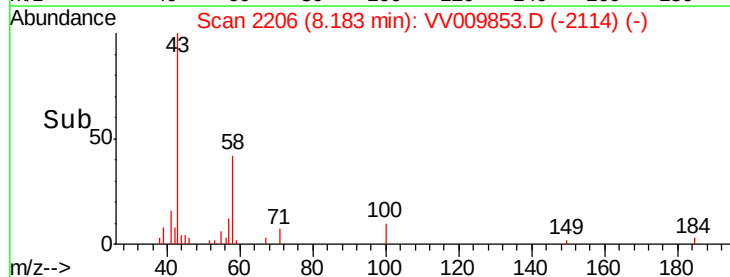


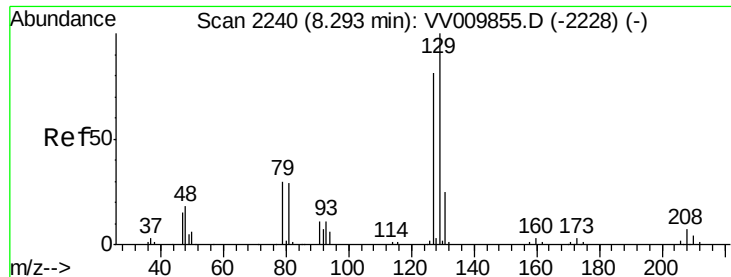
#48
2-Hexanone
Concen: 11.383 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 43 Resp: 9229
Ion Ratio Lower Upper
43 100
58 51.3 41.9 62.9
57 8.4 14.2 21.2#
100 10.9 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: 5.376 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.01 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

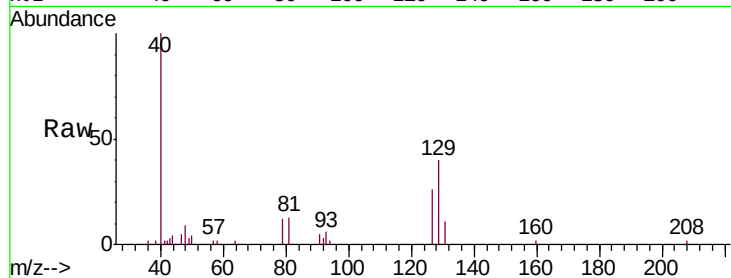
VSTD00563

Tgt Ion:129 Resp: 4287

Ion Ratio Lower Upper

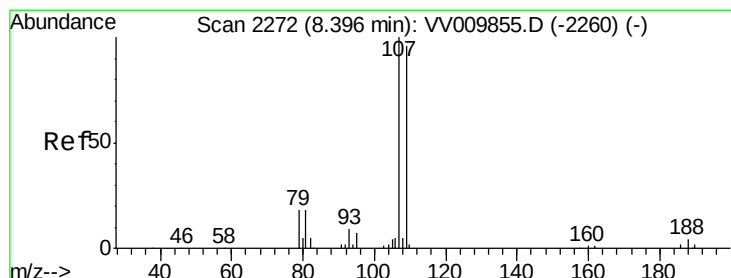
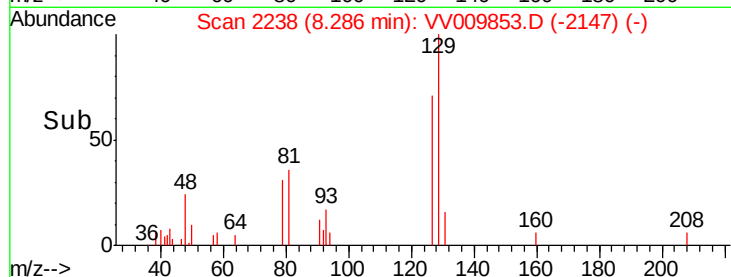
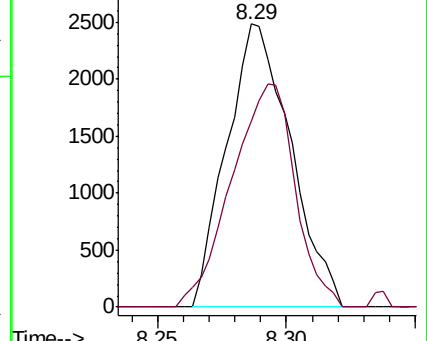
129 100

127 65.6 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: 6.550 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

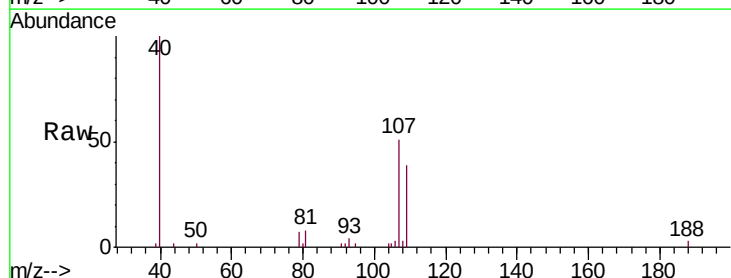
Tgt Ion:107 Resp: 5216

Ion Ratio Lower Upper

107 100

109 76.6 67.5 125.3

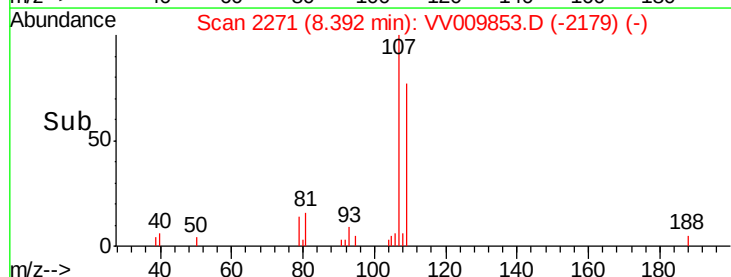
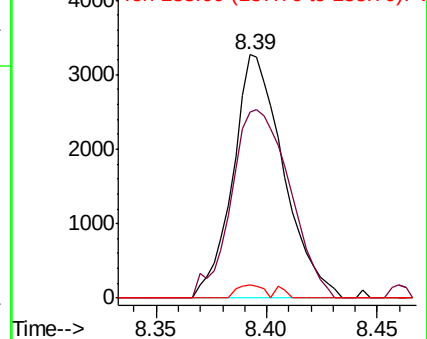
188 5.3 3.0 4.6#

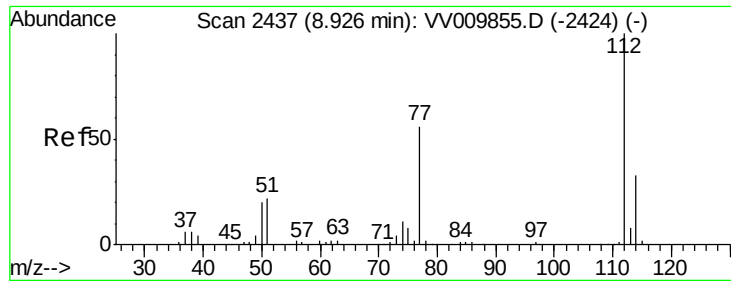


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

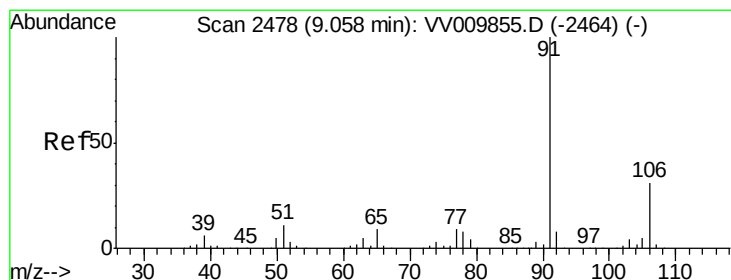
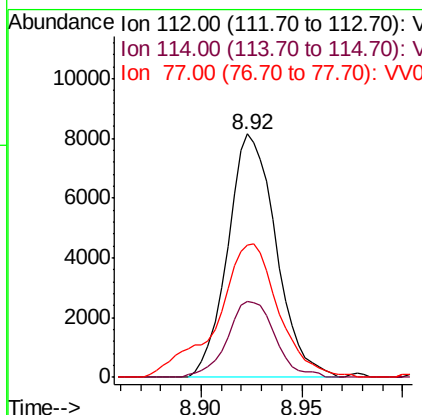
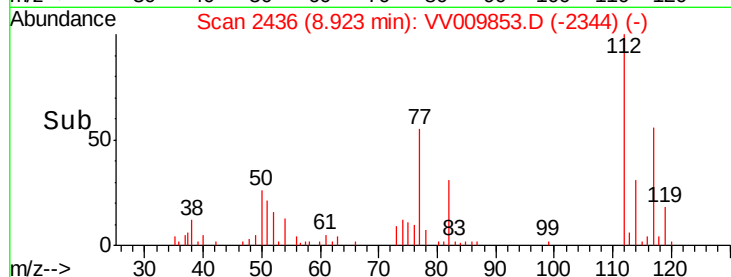
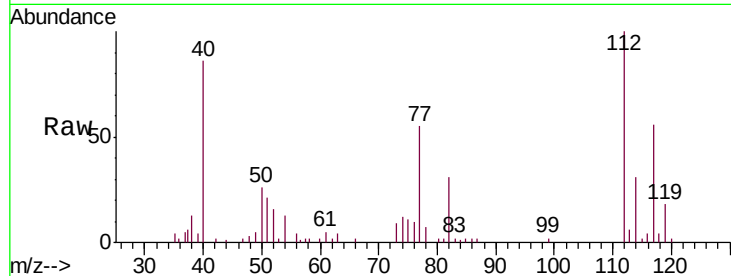




#51
Chlorobenzene
Concen: 6.776 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

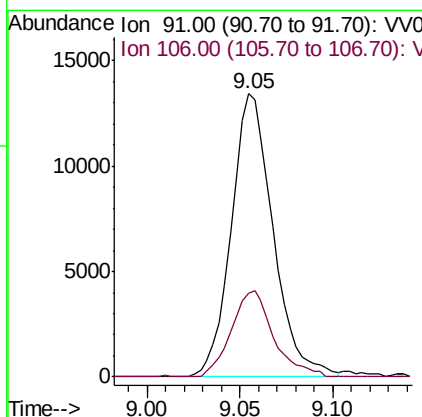
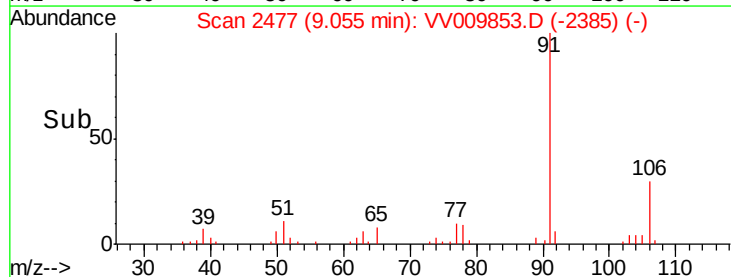
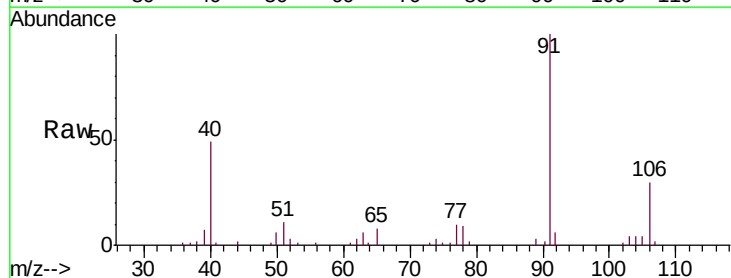
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

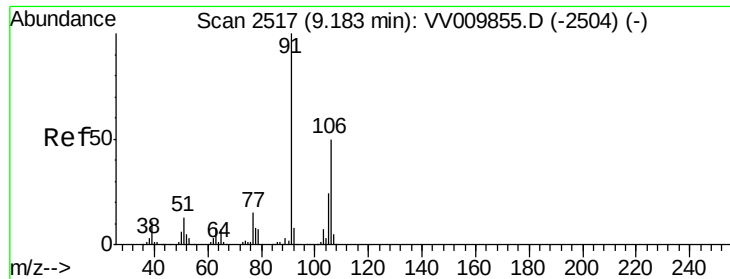
Tgt Ion: 112 Resp: 13638
Ion Ratio Lower Upper
112 100
114 30.9 23.3 43.3
77 54.6 45.8 68.6



#52
Ethylbenzene
Concen: 6.325 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion: 91 Resp: 20962
Ion Ratio Lower Upper
91 100
106 29.8 21.8 40.4





#53

m,p-Xylene

Concen: 5.532 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

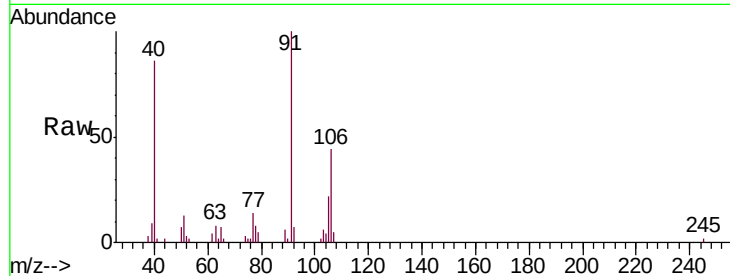
VSTD00563

Tgt Ion:106 Resp: 7053

Ion Ratio Lower Upper

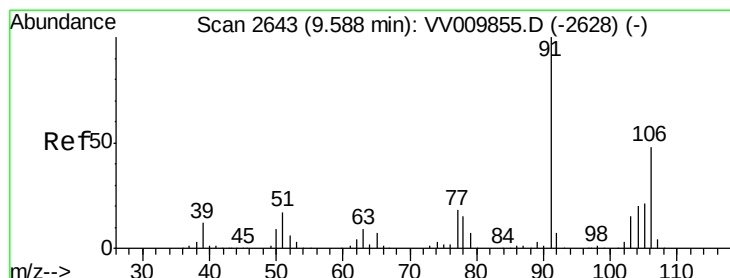
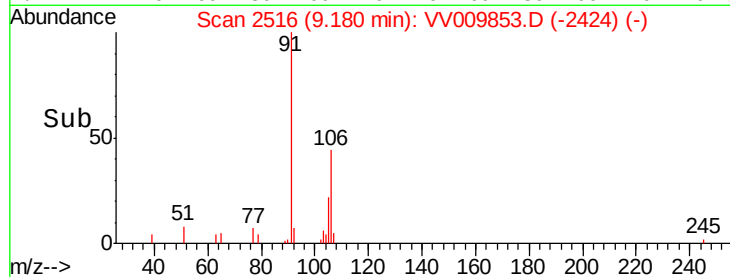
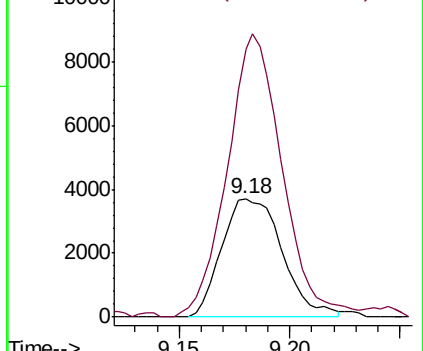
106 100

91 226.7 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 6.132 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009853.D

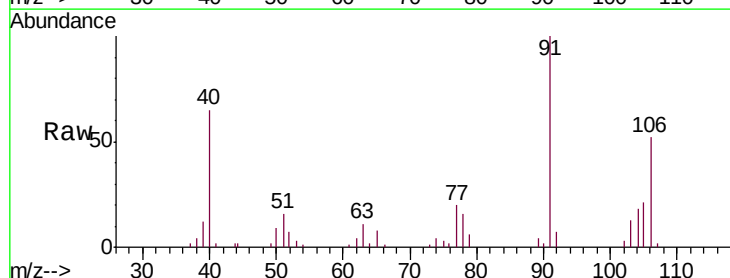
Acq: 25 Mar 2019 11:23

Tgt Ion:106 Resp: 7755

Ion Ratio Lower Upper

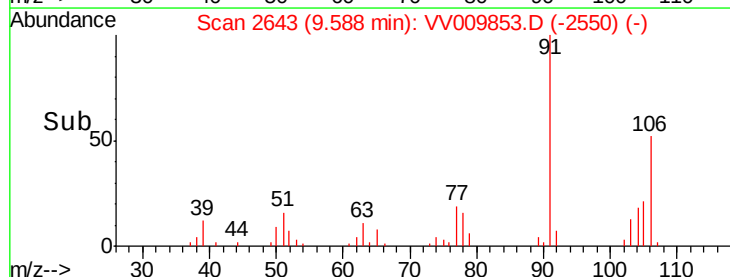
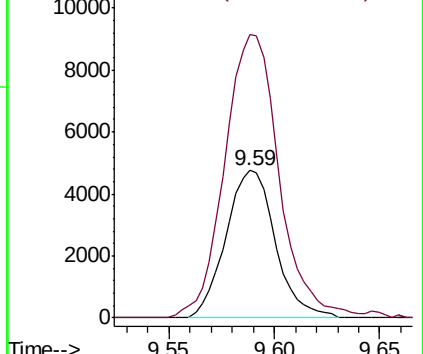
106 100

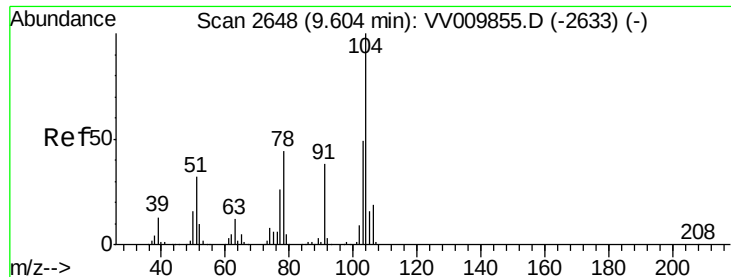
91 192.1 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 5.090 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

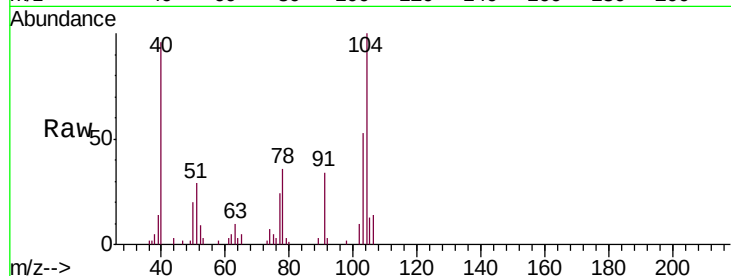
VSTD00563

Tgt Ion:104 Resp: 10841

Ion Ratio Lower Upper

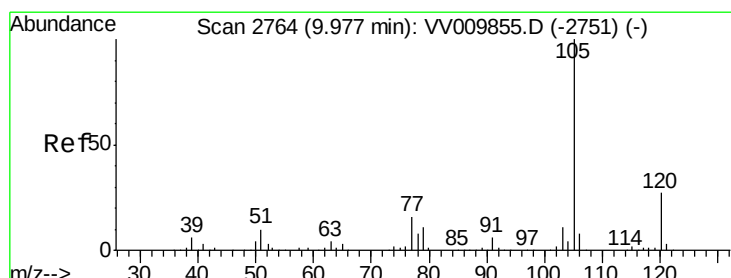
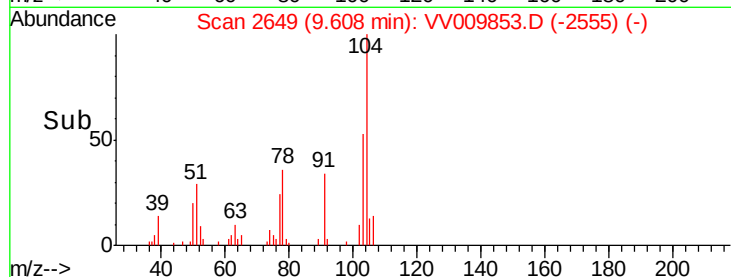
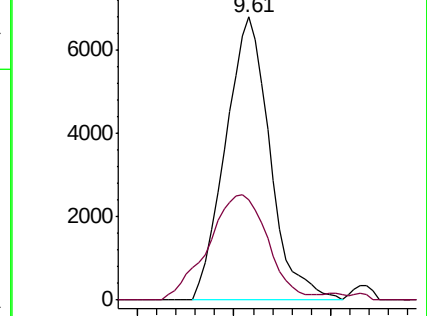
104 100

78 35.6 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: 5.803 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

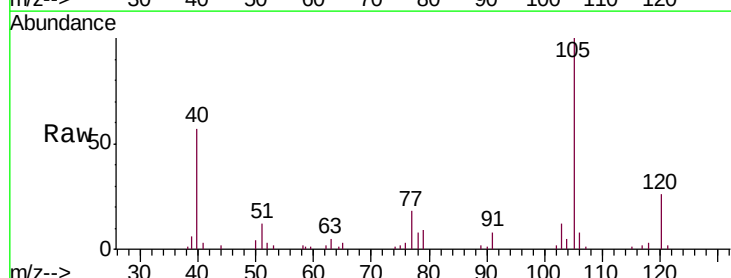
Tgt Ion:105 Resp: 18892

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

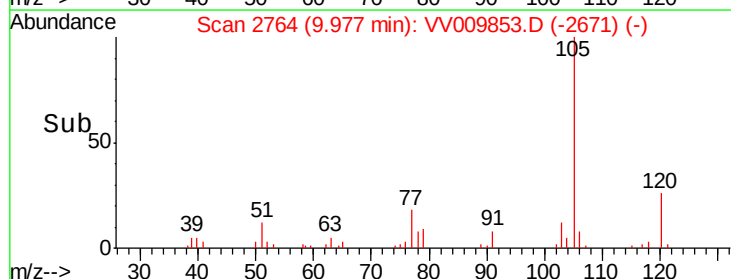
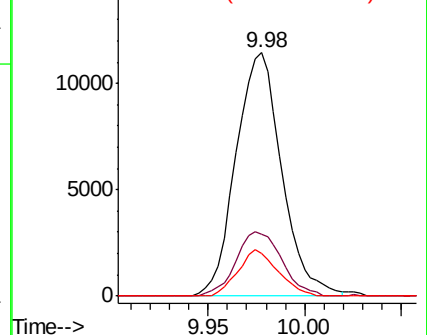
77 16.6 13.1 19.7

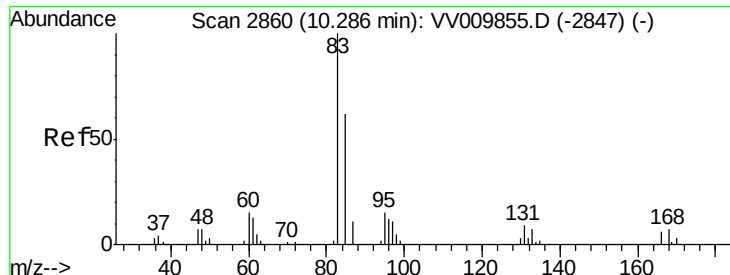


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

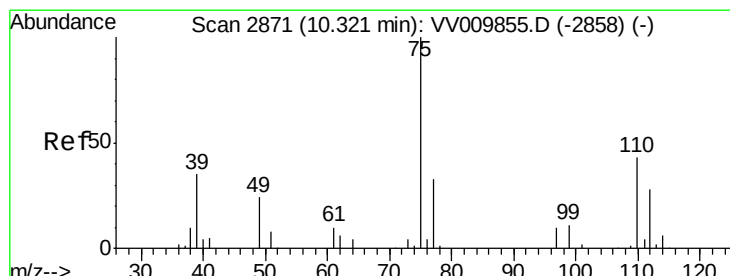
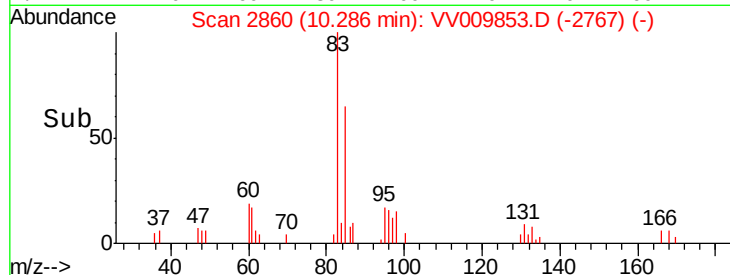
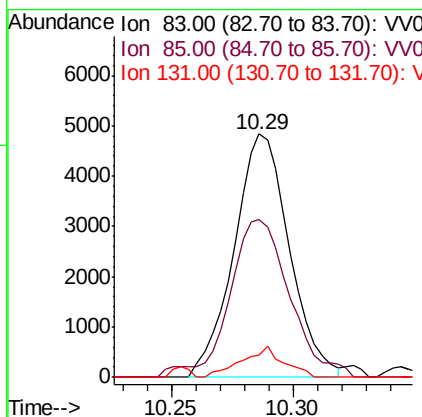
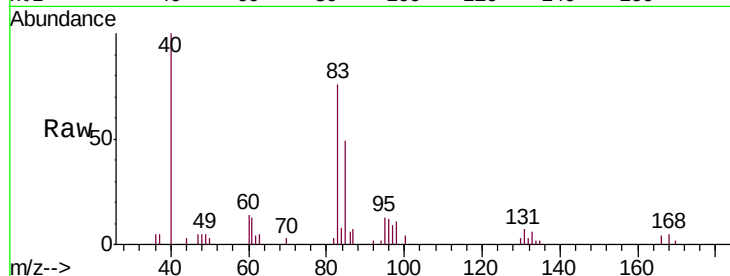




#58
 1,1,2,2-Tetrachloroethane
 Concen: 6.039 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

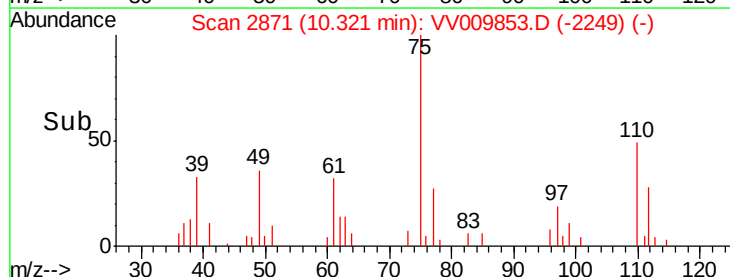
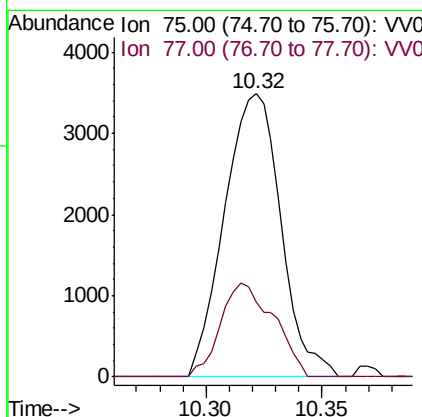
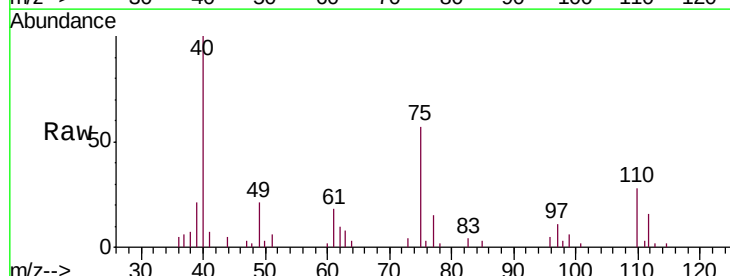
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

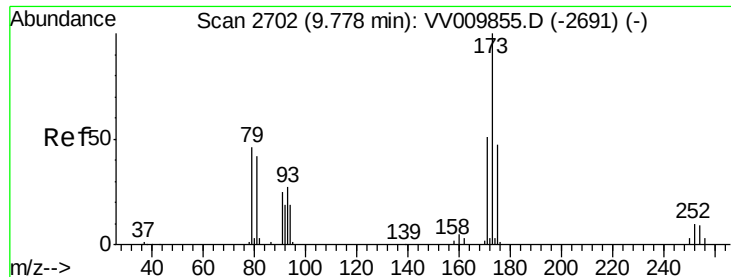
Tgt Ion: 83 Resp: 7609
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.0 81.6
 131 13.1 7.0 10.6#



#59
 1,2,3-Trichloropropane
 Concen: 6.160 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

Tgt Ion: 75 Resp: 5898
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0

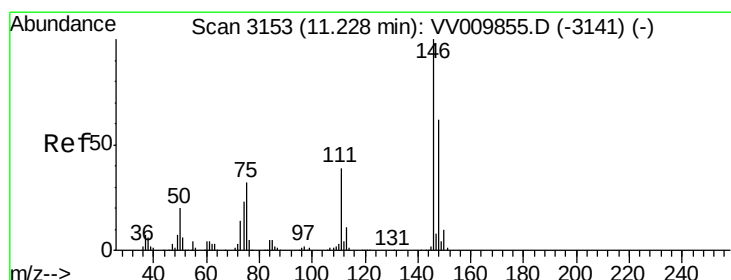
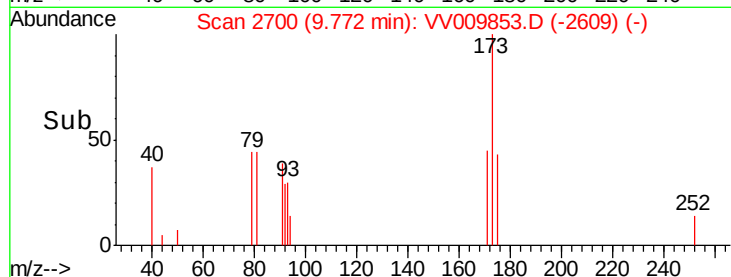
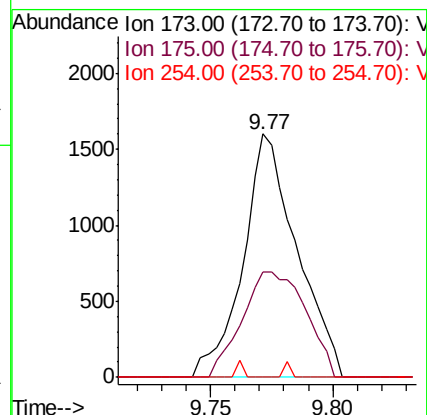
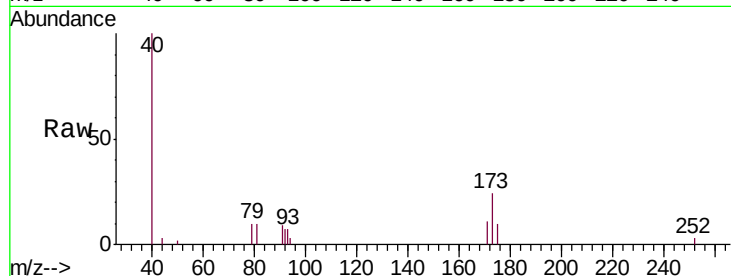




#61
Bromoform
Concen: 4.829 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.01 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

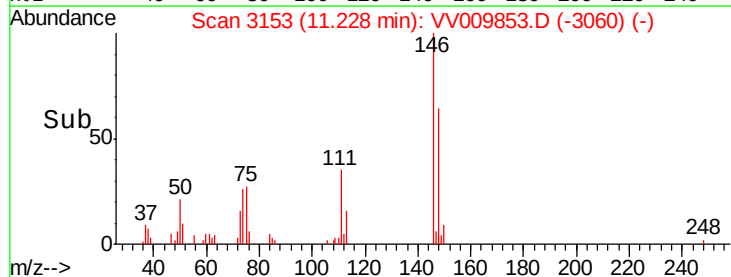
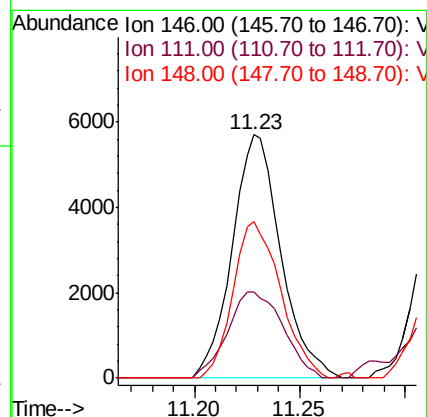
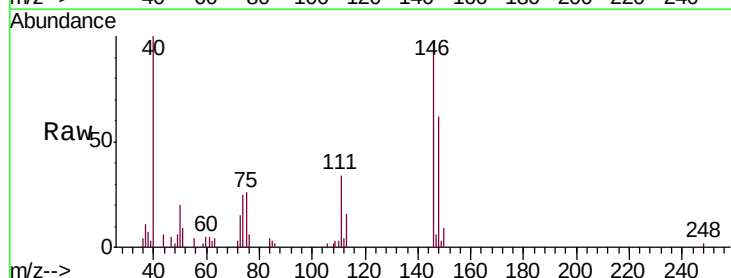
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

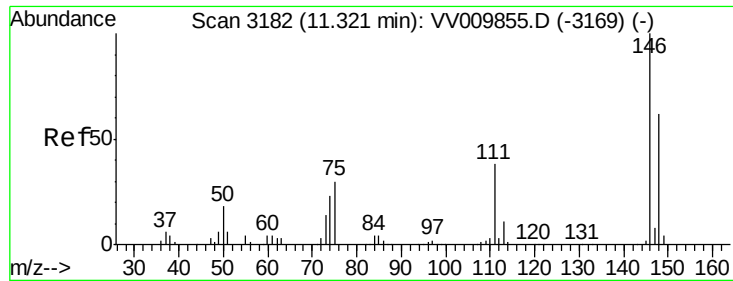
Tgt Ion:173 Resp: 2441
Ion Ratio Lower Upper
173 100
175 51.2 39.0 58.6
254 0.0 7.0 10.6#



#62
1,3-Dichlorobenzene
Concen: 6.946 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VV009853.D
Acq: 25 Mar 2019 11:23

Tgt Ion:146 Resp: 9108
Ion Ratio Lower Upper
146 100
111 35.3 27.5 51.1
148 64.1 43.0 80.0

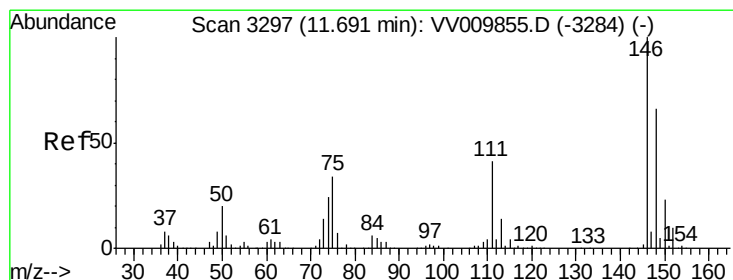
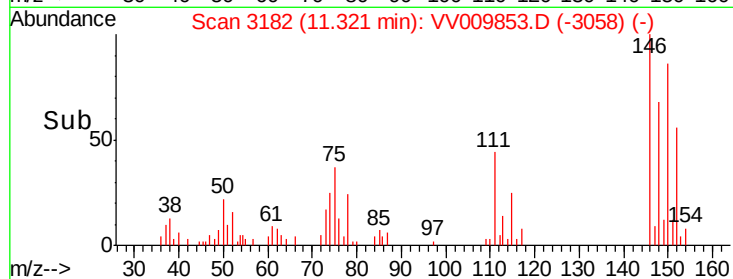
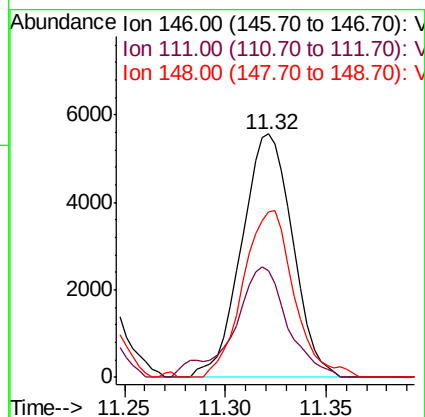
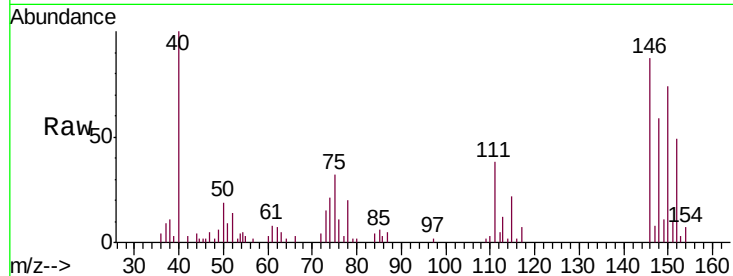




#63
 1,4-Dichlorobenzene
 Concen: 7.192 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

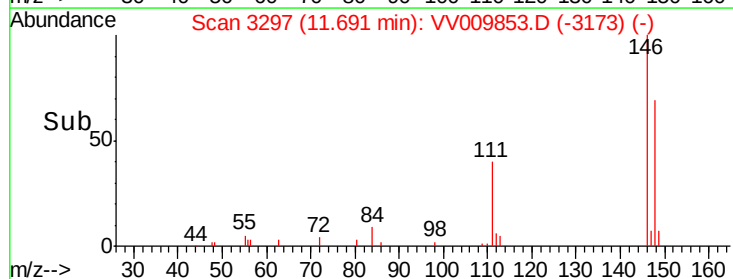
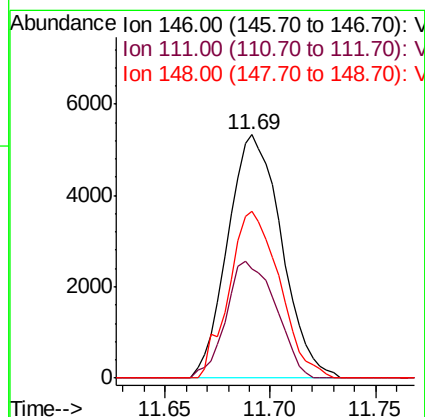
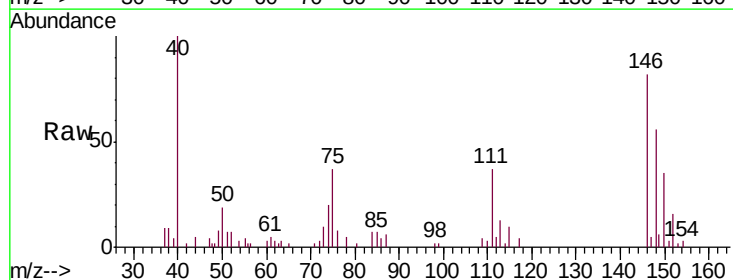
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

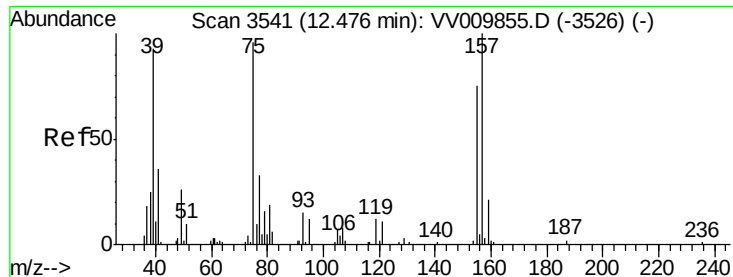
Tgt Ion:146 Resp: 9822
 Ion Ratio Lower Upper
 146 100
 111 43.6 26.5 49.3
 148 68.0 43.2 80.2



#65
 1,2-Dichlorobenzene
 Concen: 6.996 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

Tgt Ion:146 Resp: 9433
 Ion Ratio Lower Upper
 146 100
 111 45.1 33.0 49.6
 148 68.5 53.2 79.8





#66

1,2-Dibromo-3-chloropropane

Concen: 6.560 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.22 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

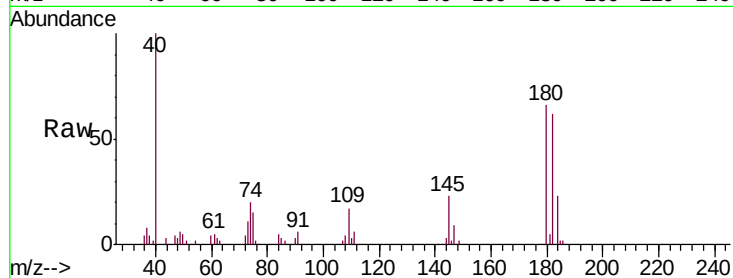
Tgt Ion: 75 Resp: 1411

Ion Ratio Lower Upper

75 100

155 0.0 62.8 94.2#

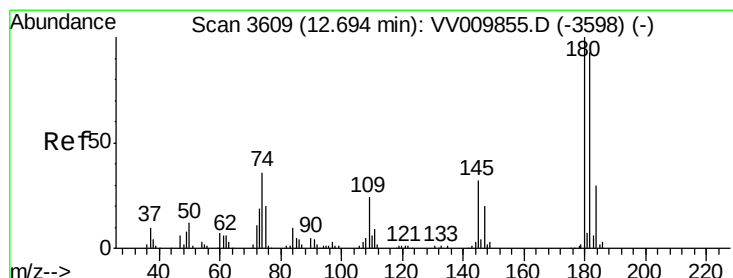
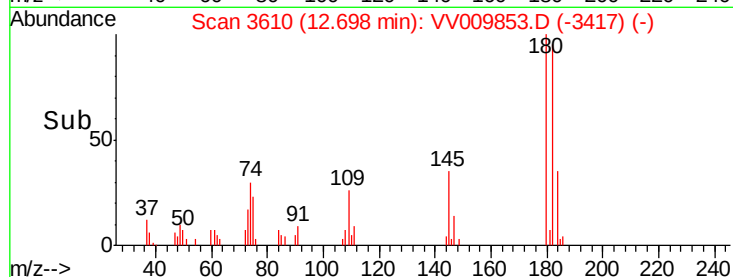
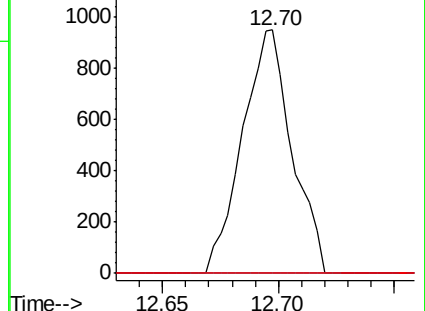
157 0.0 83.4 125.2#



Abundance Ion 75.00 (74.70 to 75.70): VV009853.D (-3610) (-)

Ion 155.00 (154.70 to 155.70): VV009853.D (-3610) (-)

Ion 157.00 (156.70 to 157.70): VV009853.D (-3610) (-)



#67

1,3,5-Trichlorobenzene

Concen: 6.222 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Tgt Ion: 180 Resp: 6251

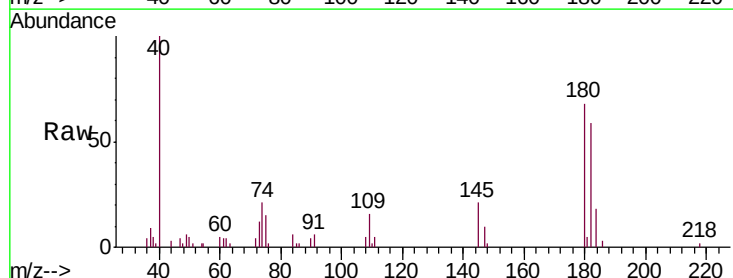
Ion Ratio Lower Upper

180 100

182 92.9 75.0 112.6

184 30.1 24.1 36.1

145 33.0 24.2 36.4

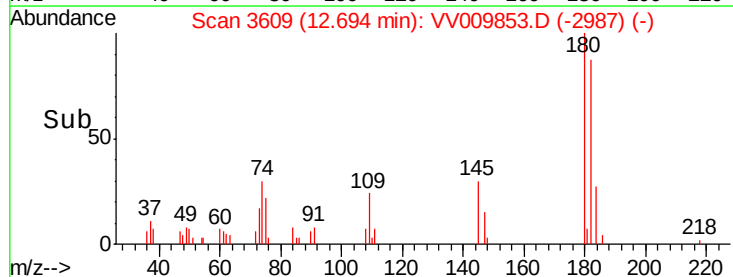
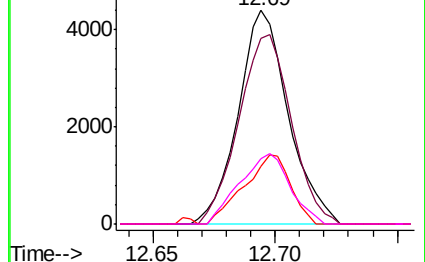


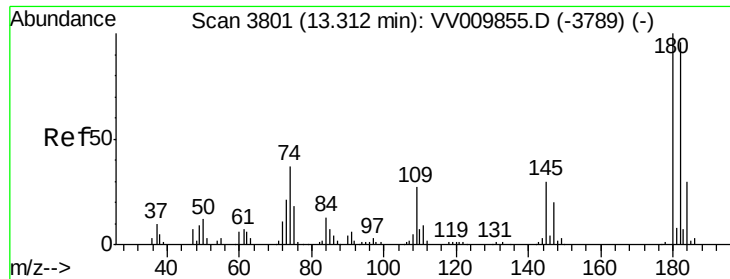
Abundance Ion 180.00 (179.70 to 180.70): VV009853.D (-3609) (-)

Ion 182.00 (181.70 to 182.70): VV009853.D (-3609) (-)

Ion 184.00 (183.70 to 184.70): VV009853.D (-3609) (-)

Ion 145.00 (144.70 to 145.70): VV009853.D (-3609) (-)

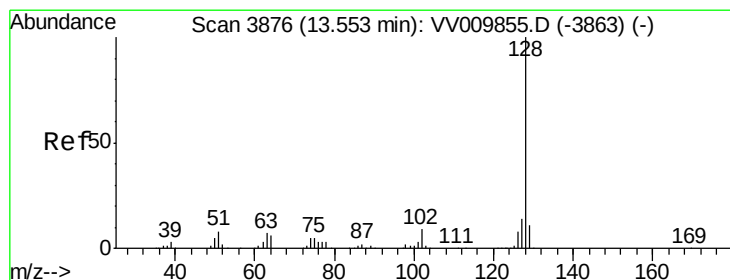
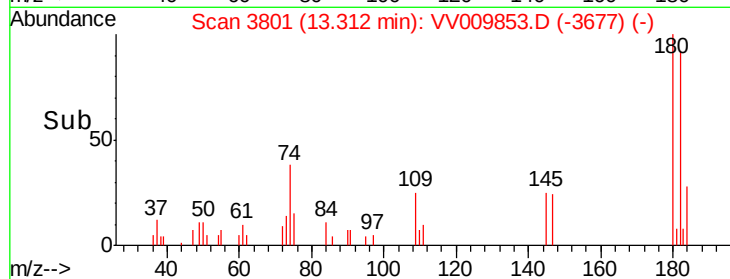
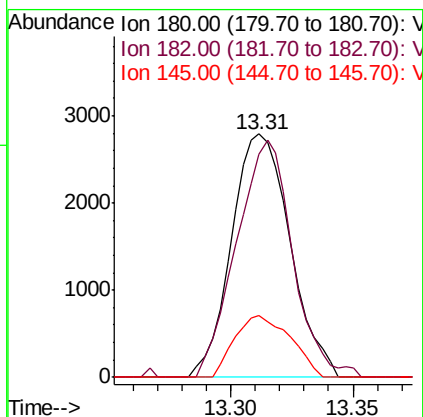
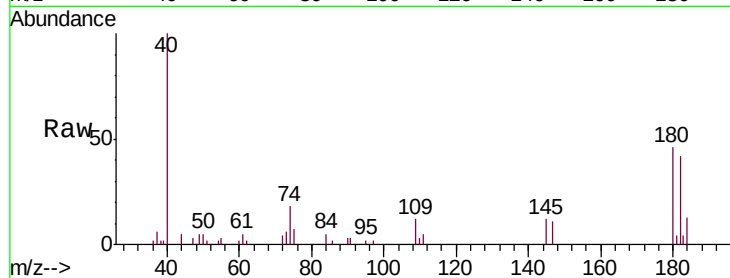




#68
 1,2,4-trichlorobenzene
 Concen: 5.340 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

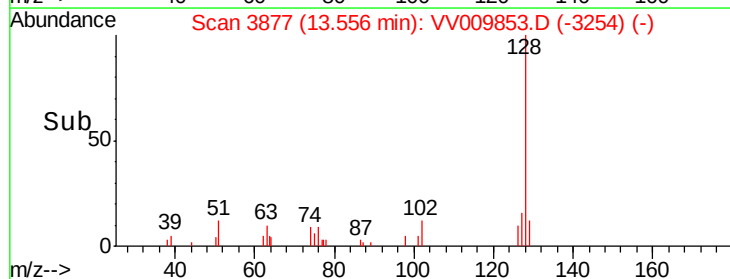
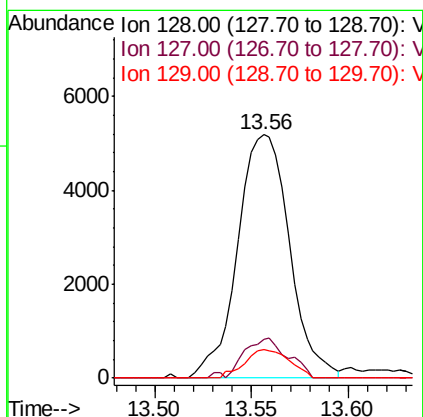
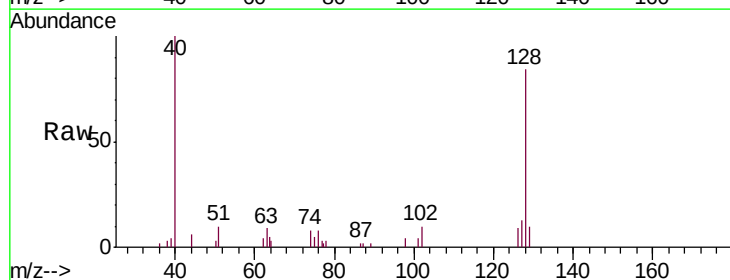
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

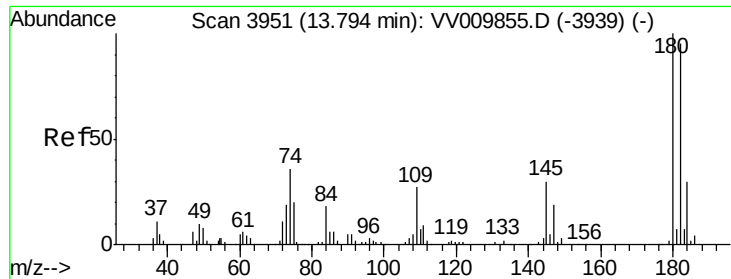
Tgt Ion:180 Resp: 4645
 Ion Ratio Lower Upper
 180 100
 182 92.8 77.1 115.7
 145 24.2 24.3 36.5#



#69
 Naphthalene
 Concen: 3.576 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV009853.D
 Acq: 25 Mar 2019 11:23

Tgt Ion:128 Resp: 9671
 Ion Ratio Lower Upper
 128 100
 127 13.6 11.0 16.6
 129 10.2 8.6 13.0





#70

1,2,3-Trichlorobenzene

Concen: 5.667 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009853.D

Acq: 25 Mar 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

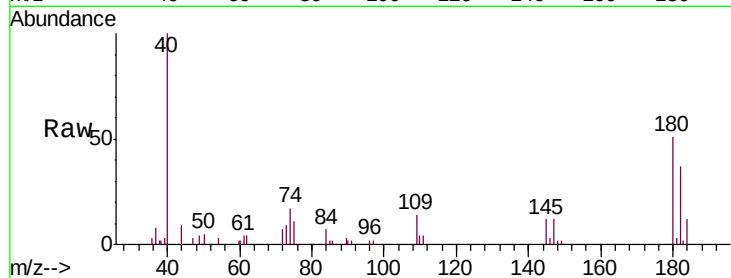
Tgt Ion:180 Resp: 5140

Ion Ratio Lower Upper

180 100

182 82.9 75.6 113.4

145 21.4 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

