

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007731.D
 Acq On : 22 Sep 2018 13:34
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Sep 24 02:12:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:11:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	112558	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	106688	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4441	7.92	ug/L	0.00
7) Chloroethane-d5	1.59	69	4051	7.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	10898	7.83	ug/L	0.00
21) 2-Butanone-d5	3.96	46	5709	14.20	ug/L	0.00
24) Chloroform-d	4.41	84	9950	8.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	6591	8.25	ug/L	0.00
32) Benzene-d6	5.10	84	18789	8.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	5525	8.06	ug/L	0.00
41) Toluene-d8	7.36	98	18882	7.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2410	7.09	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	4074	12.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	7696	6.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	8870	7.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5396	6.689 ug/L	98
3) Chloromethane	1.26	50	4307	6.818 ug/L	99
5) Vinyl chloride	1.32	62	5037	6.973 ug/L	99
6) Bromomethane	1.54	94	3940	9.253 ug/L	94
8) Chloroethane	1.60	64	3295	6.385 ug/L	99
9) Trichlorofluoromethane	1.78	101	10138	6.614 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6182	7.104 ug/L	98
12) 1,1-Dichloroethene	2.15	96	5299	6.909 ug/L	92
13) Acetone	2.20	43	7636	19.448 ug/L	97
14) Carbon disulfide	2.32	76	13787	7.340 ug/L	100
15) Methyl Acetate	2.47	43	5036	6.617 ug/L	98
16) Methylene chloride	2.54	84	6035	7.133 ug/L	97
17) trans-1,2-Dichloroethene	2.80	96	5799	6.931 ug/L	96
18) Methyl tert-butyl Ether	2.82	73	16430	6.418 ug/L	95
19) 1,1-Dichloroethane	3.23	63	7363	6.777 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	5029	6.580 ug/L	99
22) 2-Butanone	4.05	43	6707	14.655 ug/L #	67
23) Bromochloromethane	4.31	128	2681	6.411 ug/L	97
25) Chloroform	4.44	83	8336	6.078 ug/L	92
27) 1,2-Dichloroethane	5.19	62	6601	6.403 ug/L	99
29) Cyclohexane	4.73	56	6138	6.450 ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	7402	6.356 ug/L	100
31) Carbon tetrachloride	4.88	117	6684	6.438 ug/L	96
33) Benzene	5.15	78	17436	6.724 ug/L	100
34) Trichloroethene	5.96	95	5014	6.724 ug/L	91
35) Methylcyclohexane	6.18	83	7859	6.825 ug/L	99
37) 1,2-Dichloropropane	6.23	63	4231	6.486 ug/L #	96
38) Bromodichloromethane	6.56	83	5424	6.132 ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	6298	6.221 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10591	12.150 ug/L	98

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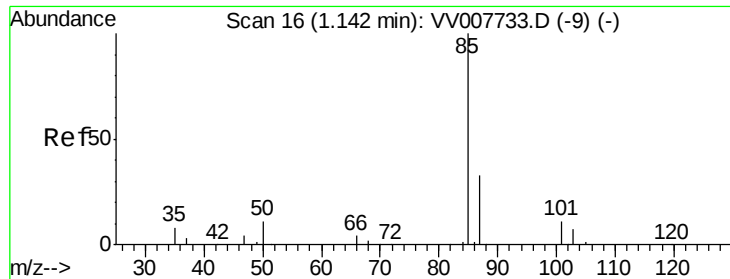
Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	19834	6.546	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	5323	5.552	ug/L	87
45) 1,1,2-Trichloroethane	7.89	97	4564	6.259	ug/L	98
46) Tetrachloroethene	8.02	164	5279	6.898	ug/L	96
48) 2-Hexanone	8.19	43	8254	12.106	ug/L	94
49) Dibromochloromethane	8.29	129	4672	5.669	ug/L	91
50) 1,2-Dibromoethane	8.40	107	4881	6.098	ug/L #	90
51) Chlorobenzene	8.93	112	14263	6.536	ug/L	98
52) Ethylbenzene	9.06	91	22013	6.356	ug/L	100
53) m,p-Xylene	9.19	106	8566	6.225	ug/L	99
54) o-xylene	9.59	106	8900	6.516	ug/L	88
55) Styrene	9.61	104	13341	5.765	ug/L	98
56) Isopropylbenzene	9.98	105	21517	5.915	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7179	5.847	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	5817	6.040	ug/L	96
61) Bromoform	9.78	173	2950	4.915	ug/L #	88
62) 1,3-Dichlorobenzene	11.23	146	12573	6.953	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	13082	7.093	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	12532	6.658	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1377	6.198	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	10583	7.372	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	9079	7.627	ug/L	96
69) Naphthalene	13.56	128	22759	7.411	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	9459	7.704	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 6.689 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007731.D

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Instrument :

MSVOA_V

ClientSampleId :

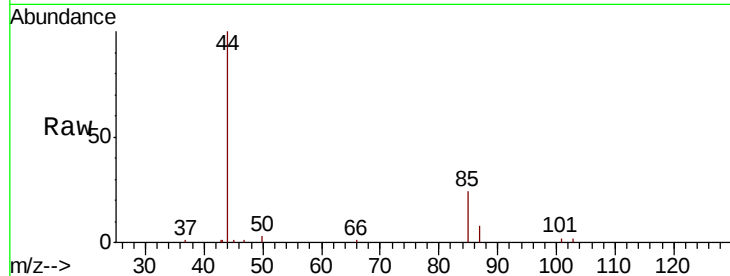
VSTD00563

Tgt Ion: 85 Resp: 5396

Ion Ratio Lower Upper

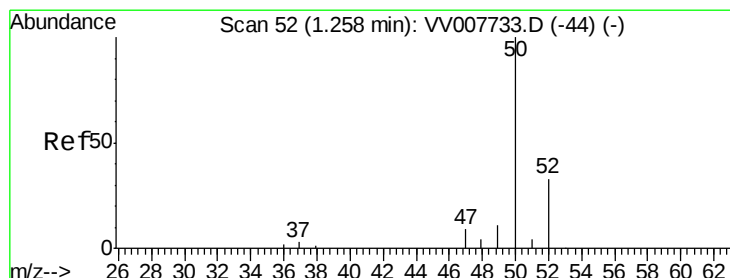
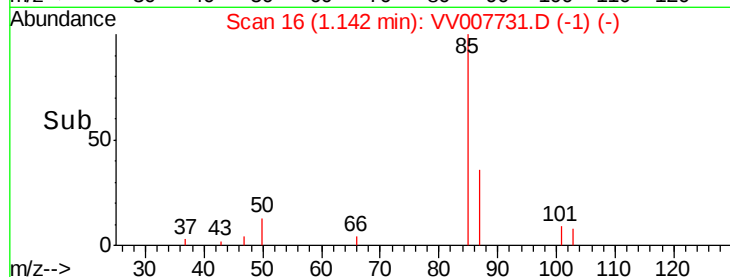
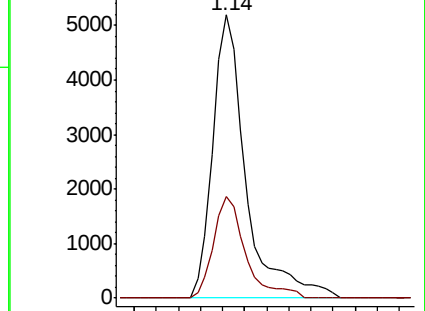
85 100

87 34.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV007731.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007731.D (-9) (-)



#3

Chloromethane

Concen: 6.818 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007731.D

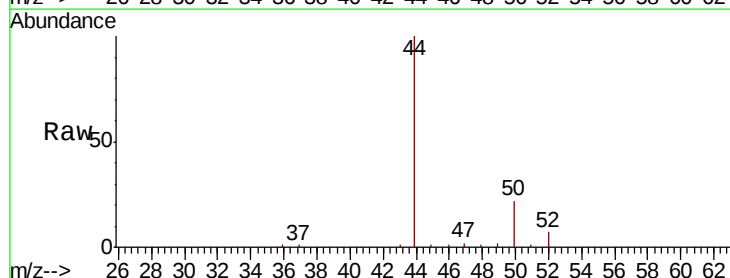
Acq: 22 Sep 2018 13:34

Tgt Ion: 50 Resp: 4307

Ion Ratio Lower Upper

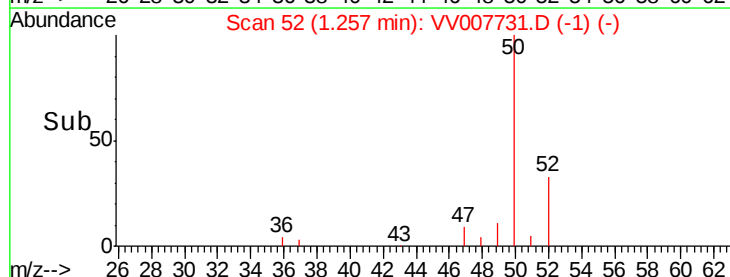
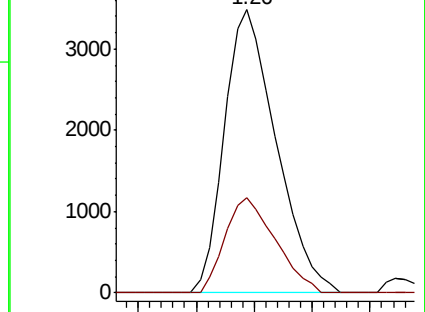
50 100

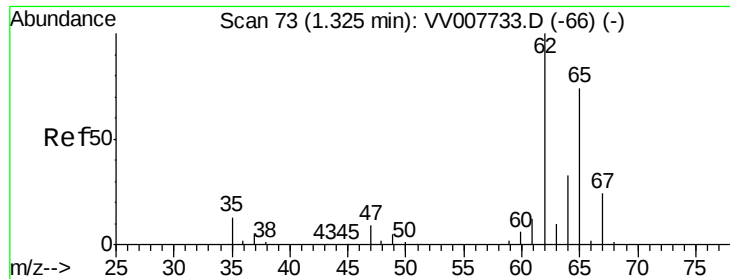
52 33.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007731.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV007731.D (-44) (-)





#5

Vinyl chloride

Concen: 6.973 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

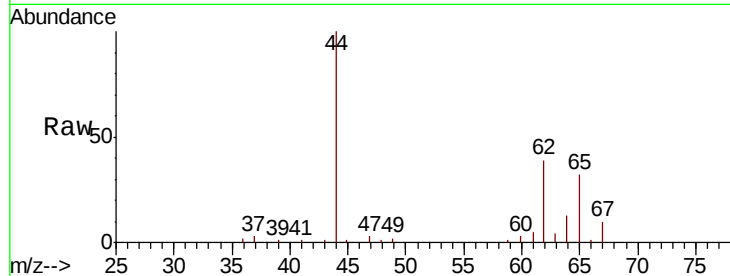
VSTD00563

Tgt Ion: 62 Resp: 5037

Ion Ratio Lower Upper

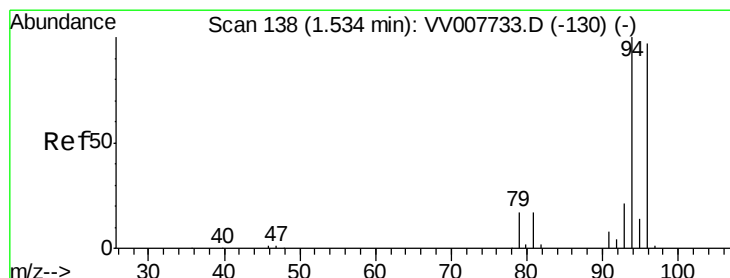
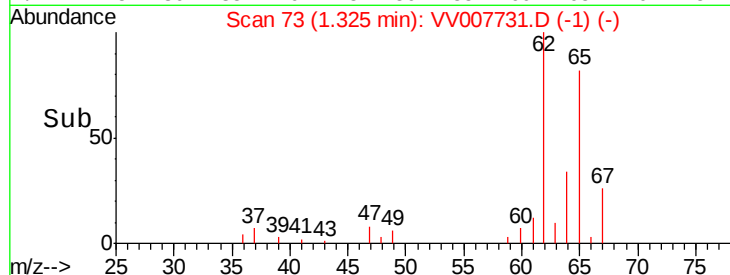
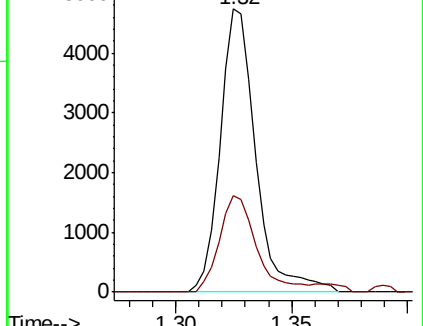
62 100

64 33.9 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV007733.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007733.D (-66) (-)



#6

Bromomethane

Concen: 9.253 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.01 min

Lab File: VV007731.D

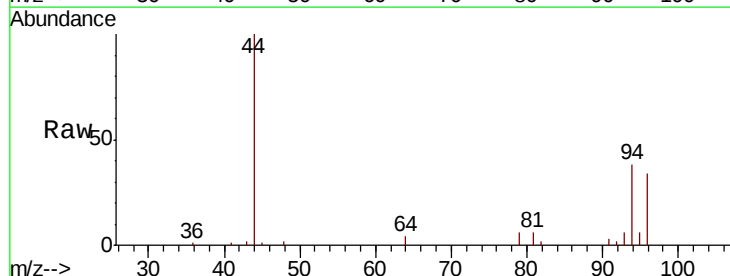
Acq: 22 Sep 2018 13:34

Tgt Ion: 94 Resp: 3940

Ion Ratio Lower Upper

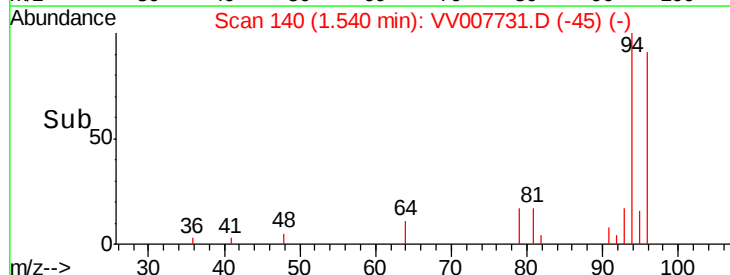
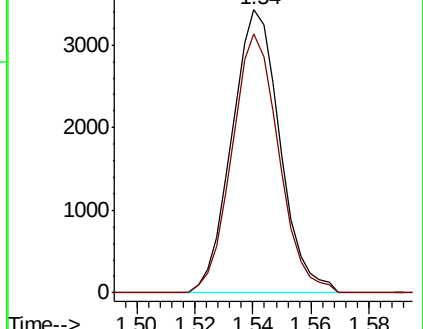
94 100

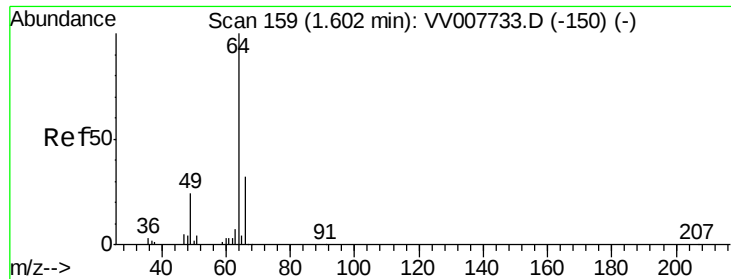
96 91.4 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV007733.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007733.D (-130) (-)

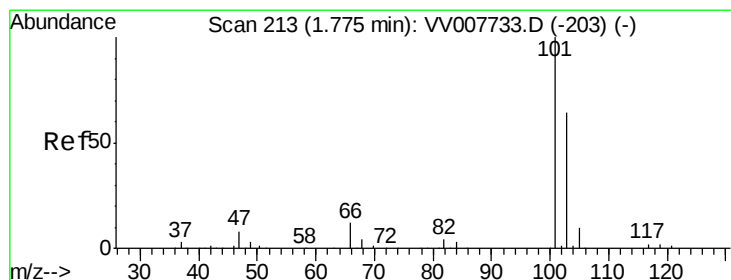
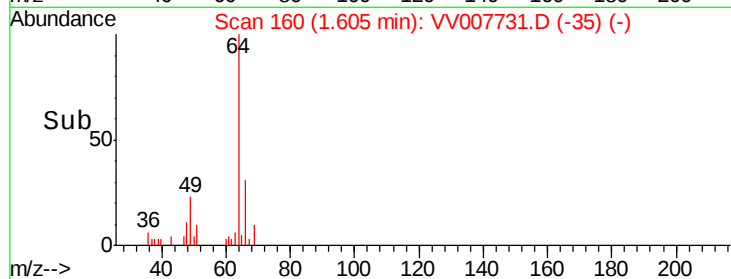
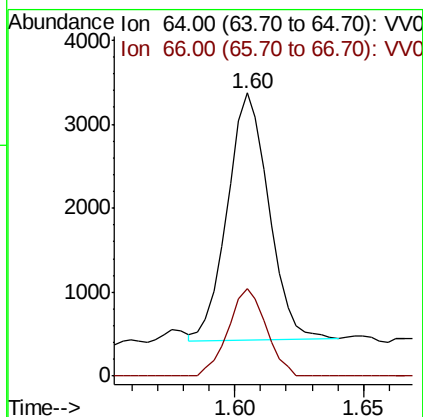
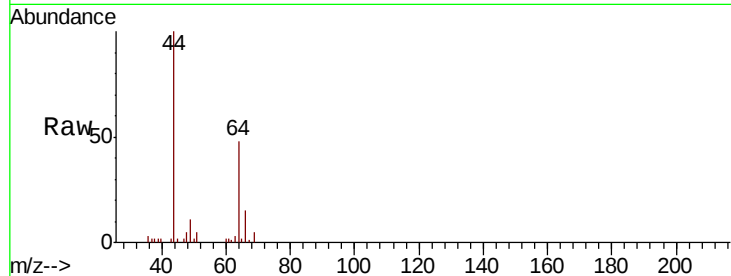




#8
Chloroethane
Concen: 6.385 ug/L
RT: 1.60 min Scan# 160
Delta R.T. 0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

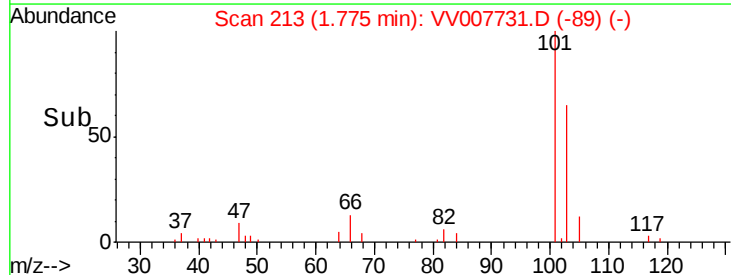
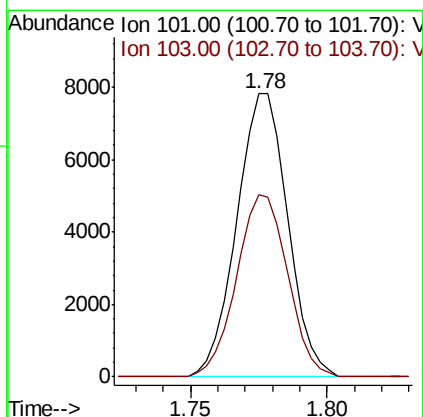
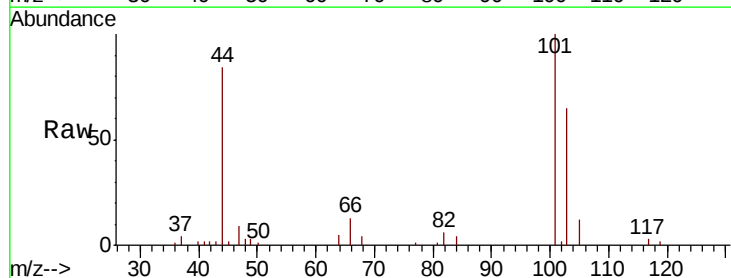
Instrument :
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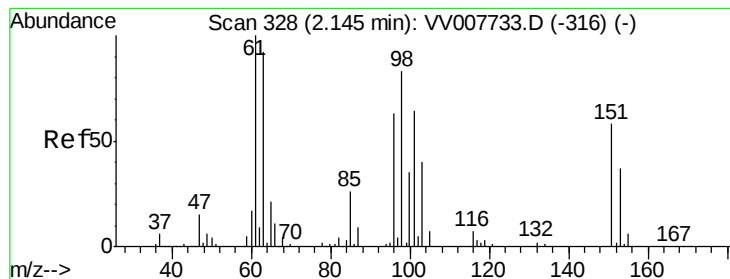
Tgt Ion: 64 Resp: 3295
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 6.614 ug/L
RT: 1.78 min Scan# 213
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Tgt Ion: 101 Resp: 10138
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2





#10

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

Concen: 7.104 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

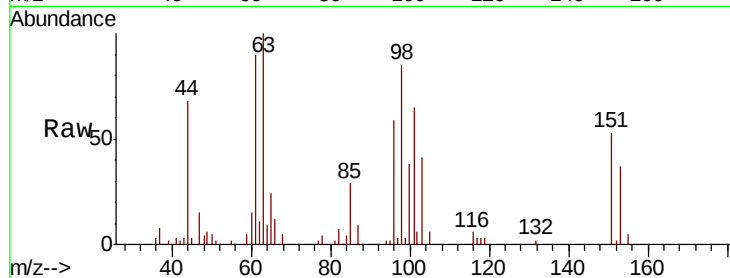
Tgt Ion: 101 Resp: 6182

Ion Ratio Lower Upper

101 100

85 43.6 32.7 49.1

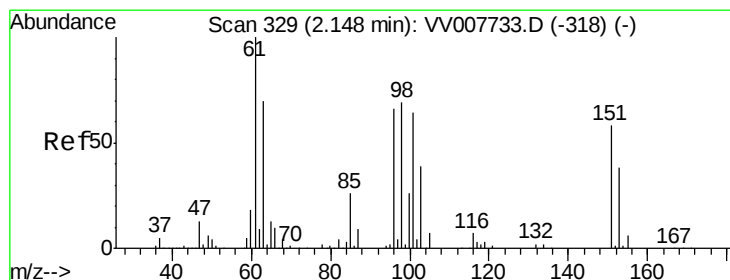
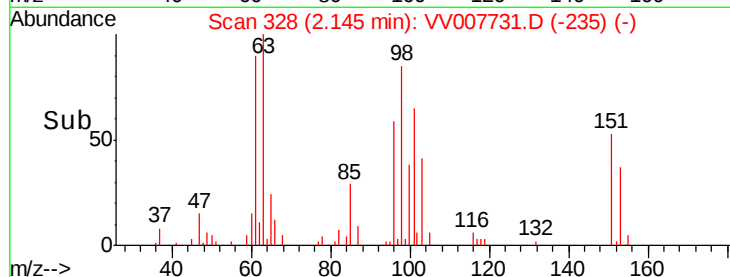
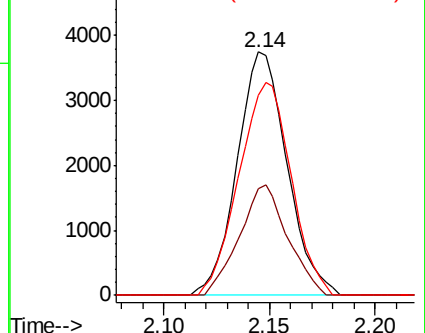
151 91.1 72.2 108.2



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: 6.909 ug/L

RT: 2.15 min Scan# 329

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

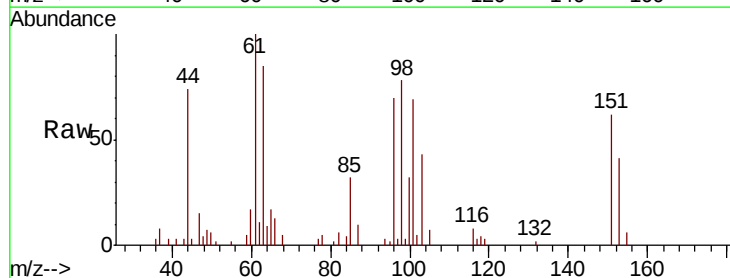
Tgt Ion: 96 Resp: 5299

Ion Ratio Lower Upper

96 100

61 142.9 107.3 199.3

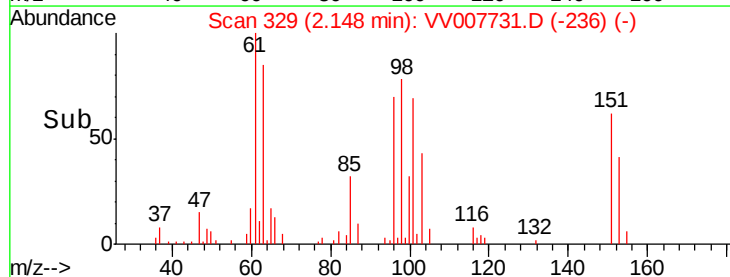
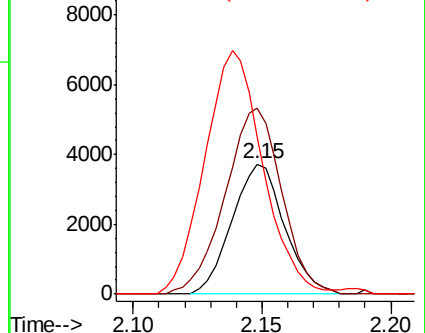
63 120.8 78.8 146.4

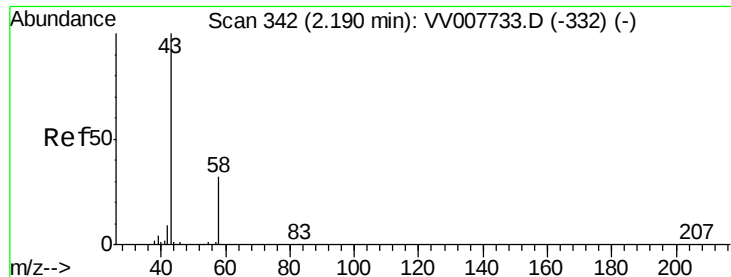


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.448 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

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Acq: 22 Sep 2018 13:34

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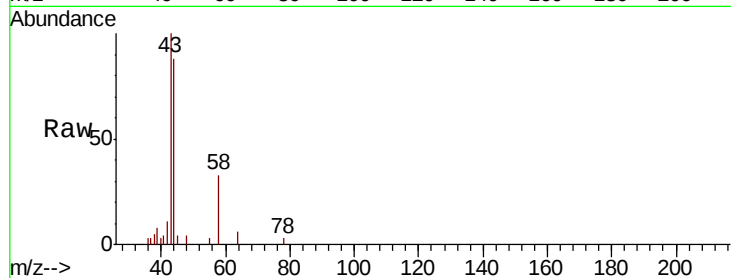
VSTD00563

Tgt Ion: 43 Resp: 7636

Ion Ratio Lower Upper

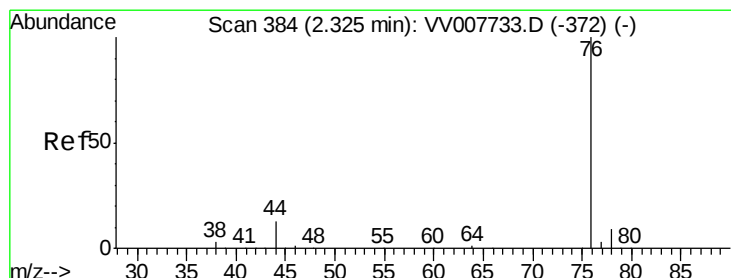
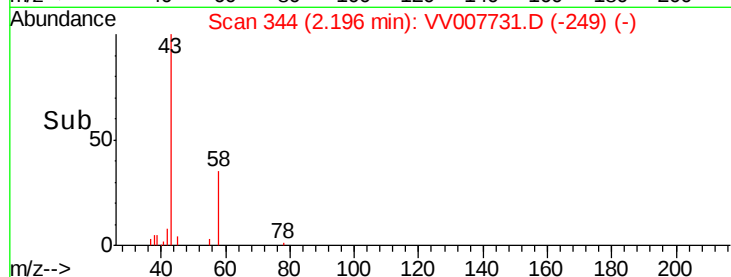
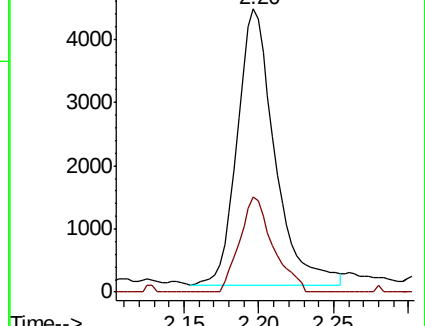
43 100

58 30.7 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV007731.D (-344) (-)

Ion 58.00 (57.70 to 58.70): VV007731.D (-344) (-)



#14

Carbon disulfide

Concen: 7.340 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VV007731.D

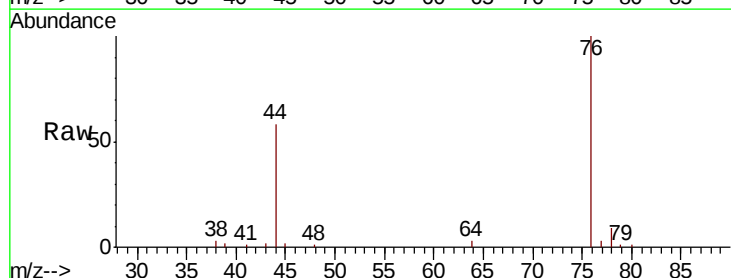
Acq: 22 Sep 2018 13:34

Tgt Ion: 76 Resp: 13787

Ion Ratio Lower Upper

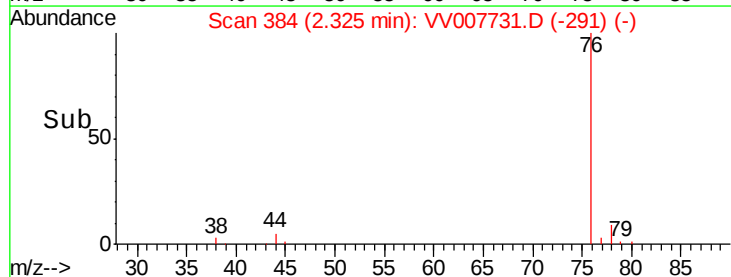
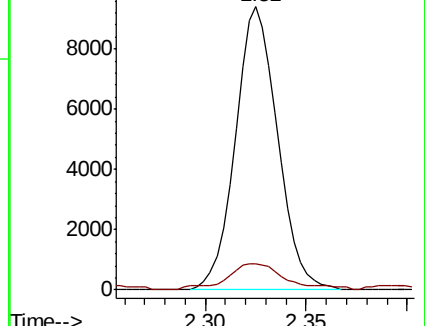
76 100

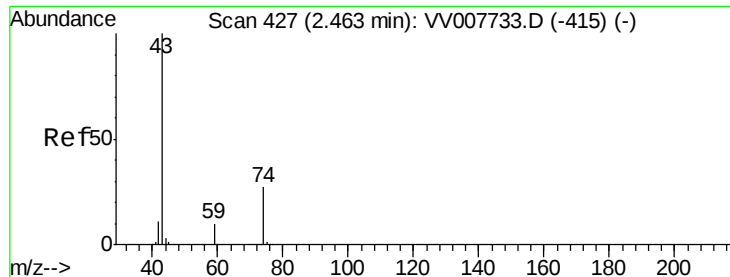
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007731.D (-384) (-)

Ion 78.00 (77.70 to 78.70): VV007731.D (-384) (-)

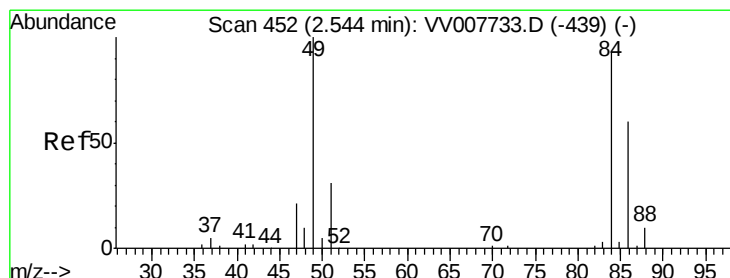
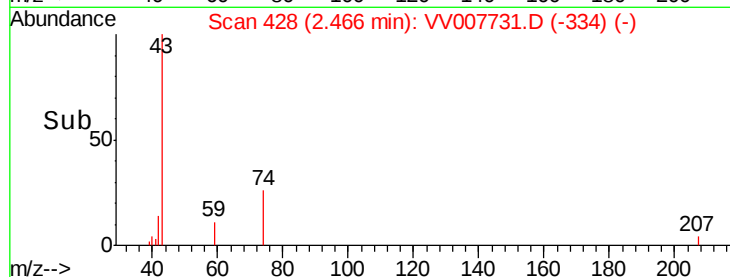
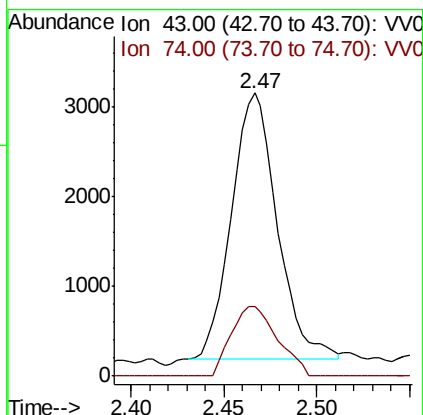
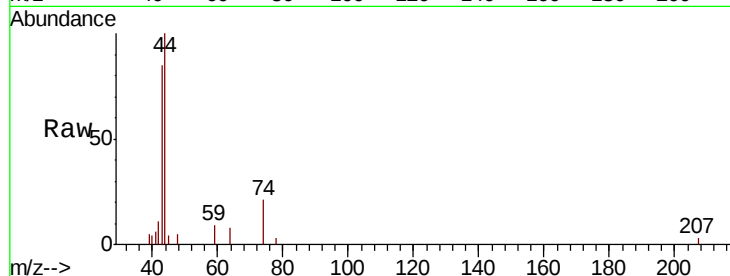




#15
Methyl Acetate
Concen: 6.617 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

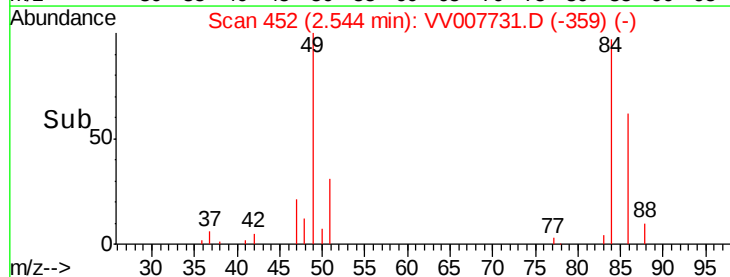
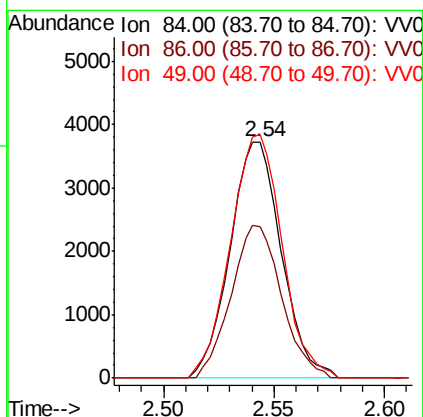
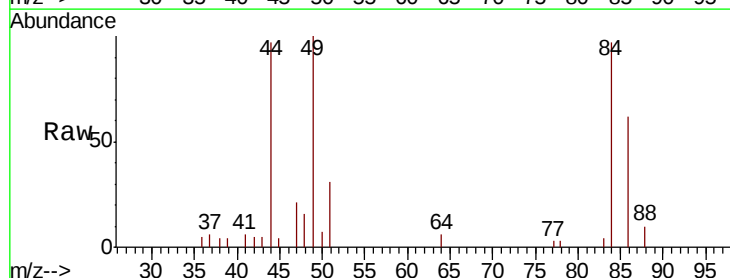
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

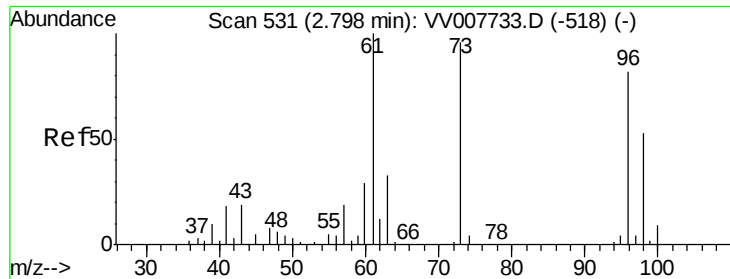
Tgt Ion: 43 Resp: 5036
Ion Ratio Lower Upper
43 100
74 26.6 22.2 33.2



#16
Methylene chloride
Concen: 7.133 ug/L
RT: 2.54 min Scan# 452
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Tgt Ion: 84 Resp: 6035
Ion Ratio Lower Upper
84 100
86 63.9 45.4 84.4
49 103.0 75.3 139.9

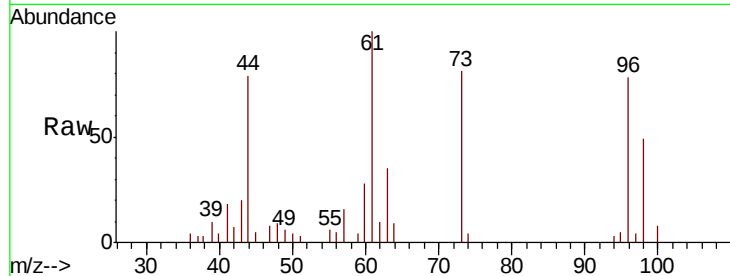




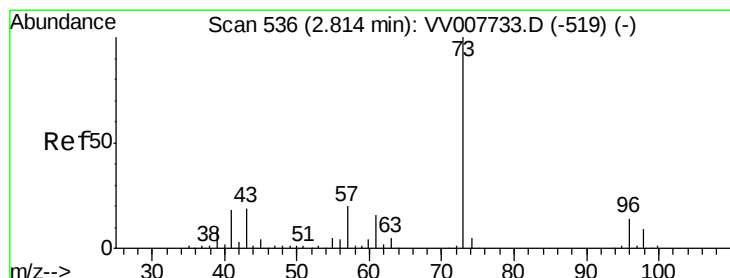
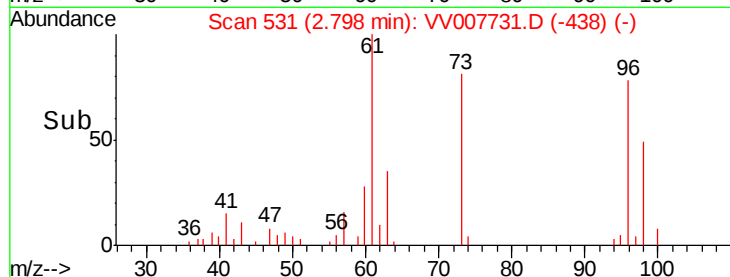
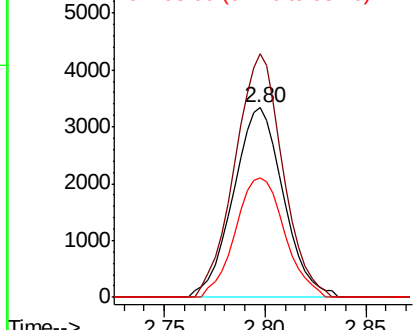
#17
trans-1,2-Dichloroethene
Concen: 6.931 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Instrument :
MSVOA_V
ClientSampled :
VSTD00563

Tgt Ion: 96 Resp: 5799
Ion Ratio Lower Upper
96 100
61 128.4 84.9 157.7
98 63.0 44.6 82.8

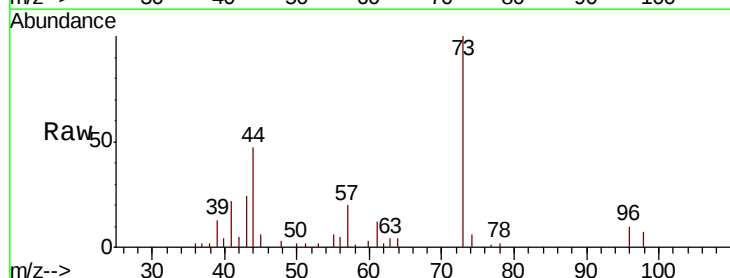


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

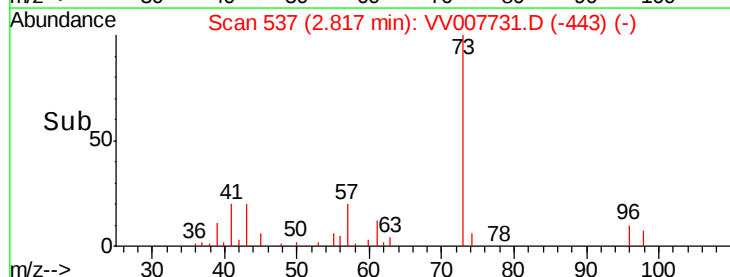
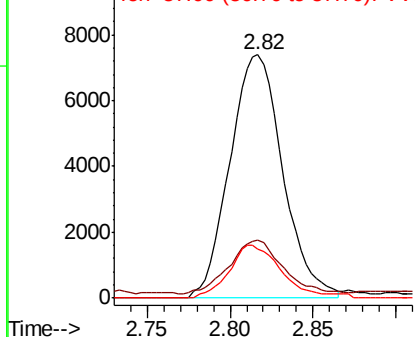


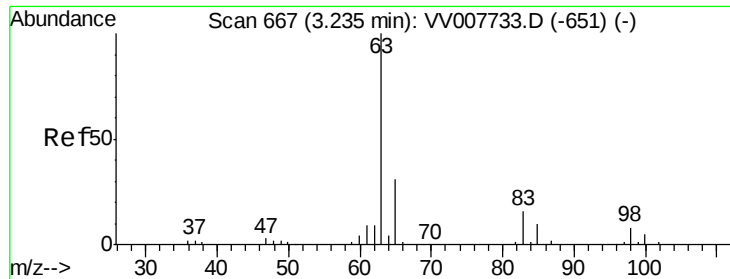
#18
Methyl tert-butyl Ether
Concen: 6.418 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Tgt Ion: 73 Resp: 16430
Ion Ratio Lower Upper
73 100
43 22.0 15.0 22.6
57 21.0 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

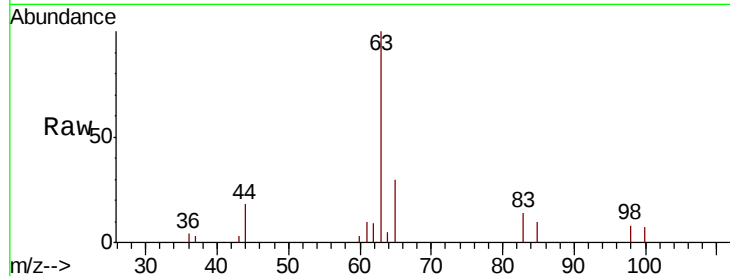




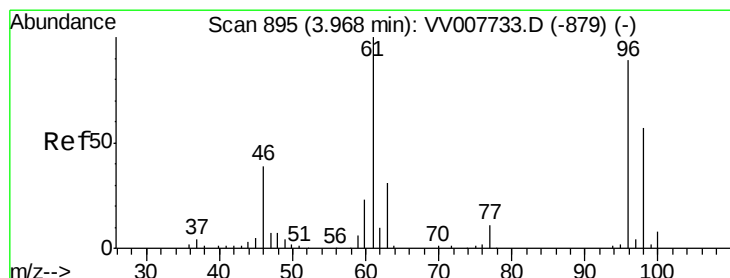
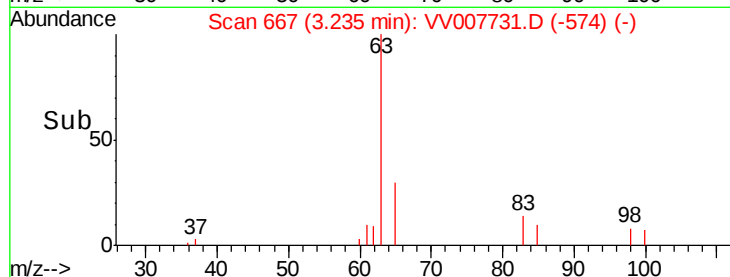
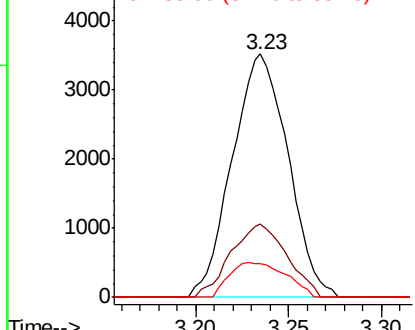
#19
 1,1-Dichloroethane
 Concen: 6.777 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 63 Resp: 7363
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.6 40.2
 83 13.6 11.2 20.8

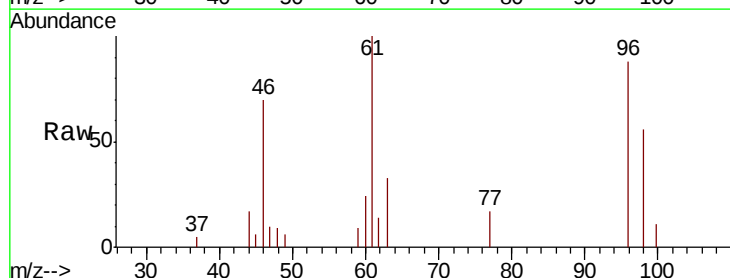


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

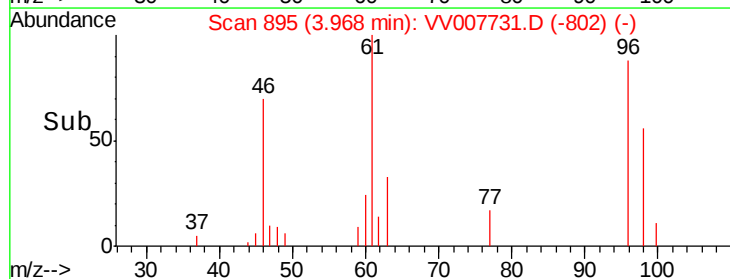
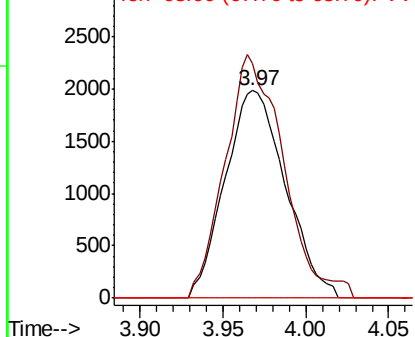


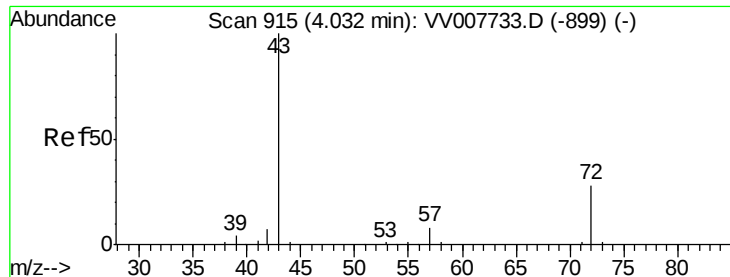
#20
 cis-1,2-Dichloroethene
 Concen: 6.580 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Tgt Ion: 96 Resp: 5029
 Ion Ratio Lower Upper
 96 100
 61 113.2 78.8 146.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 14.655 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

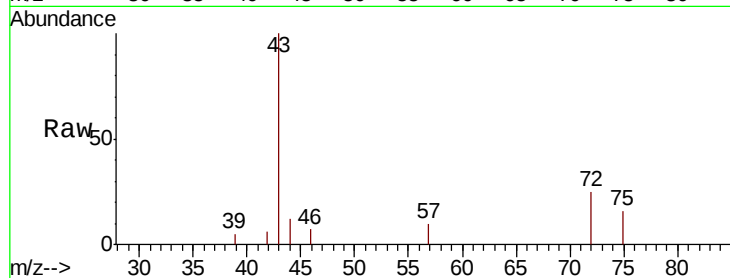
VSTD00563

Tgt Ion: 43 Resp: 6707

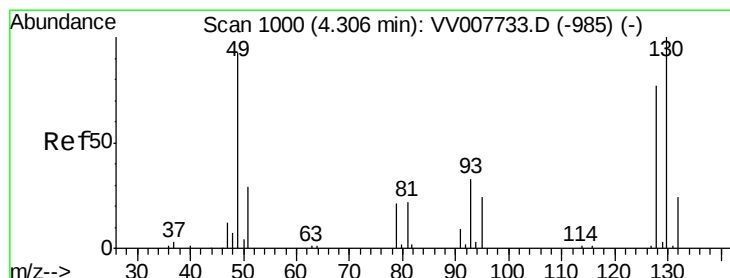
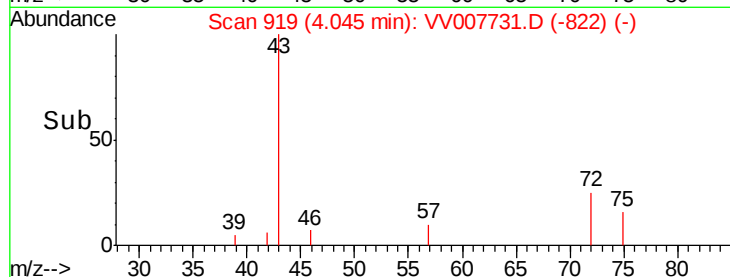
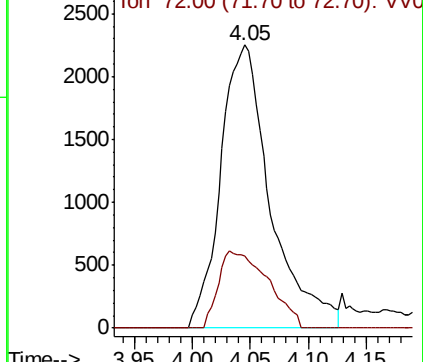
Ion Ratio Lower Upper

43 100

72 10.8 14.2 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VV007731.D (-899) (-)



#23

Bromochloromethane

Concen: 6.411 ug/L

RT: 4.31 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Tgt Ion: 128 Resp: 2681

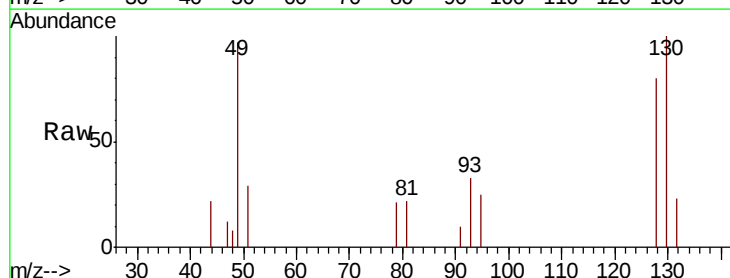
Ion Ratio Lower Upper

128 100

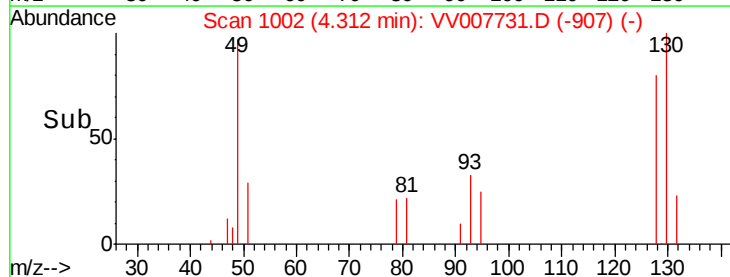
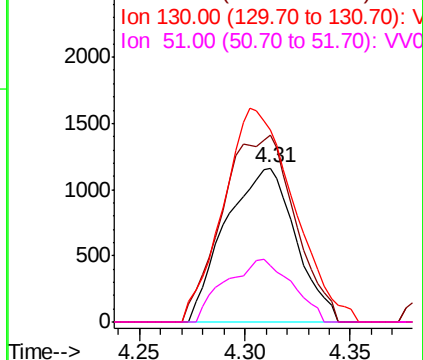
49 120.9 84.8 157.4

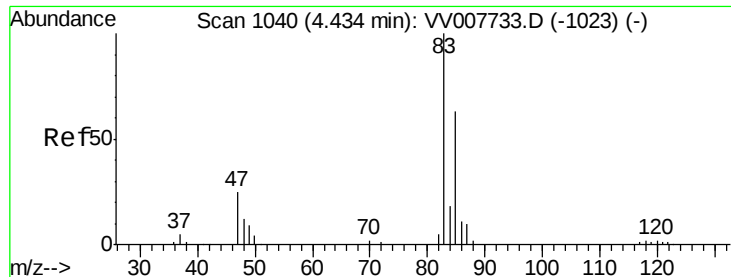
130 124.3 90.9 168.9

51 36.6 30.6 46.0



Abundance Ion 128.00 (127.70 to 128.70): VV007731.D (-985) (-)

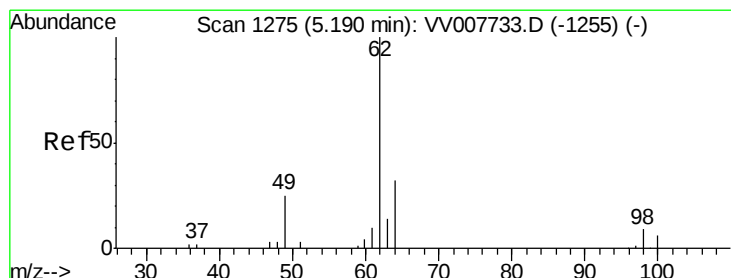
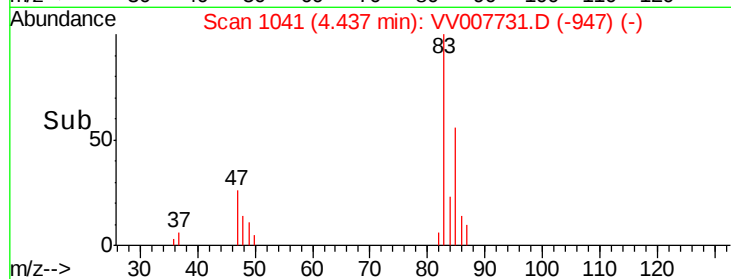
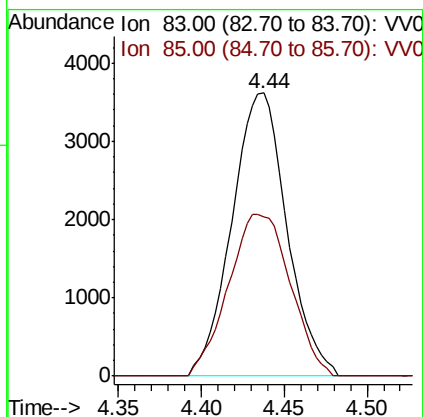
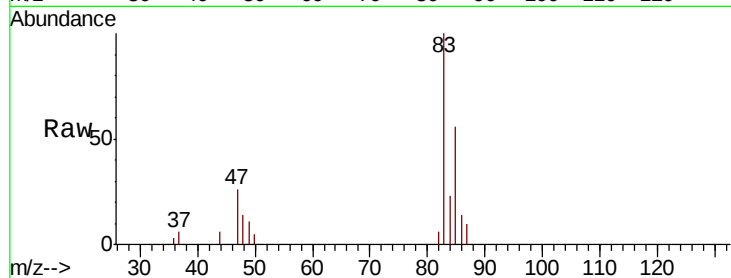




#25
Chloroform
Concen: 6.078 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

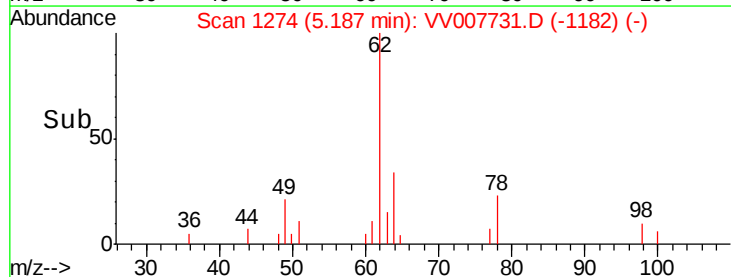
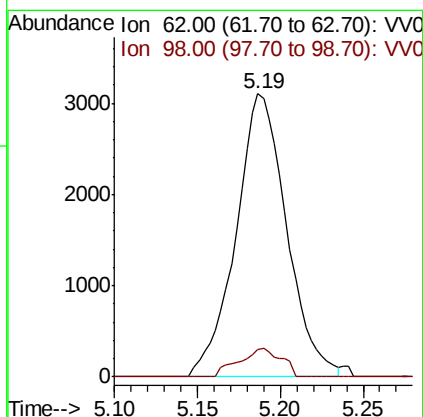
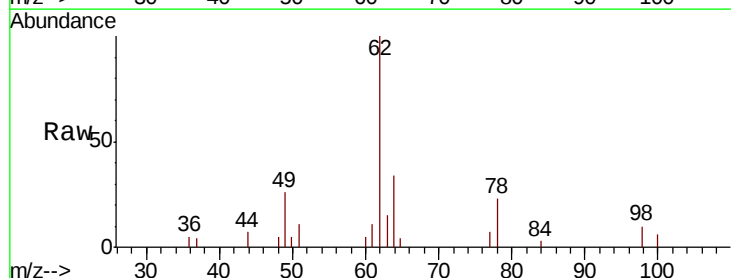
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

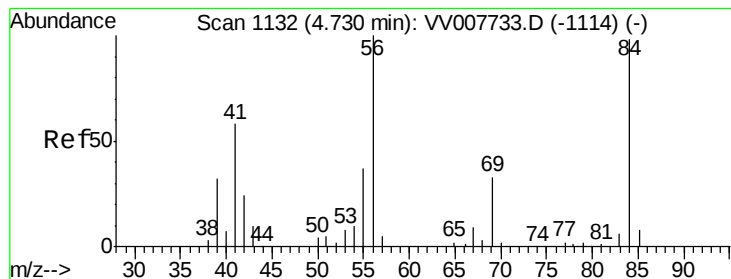
Tgt Ion: 83 Resp: 8336
Ion Ratio Lower Upper
83 100
85 56.4 44.0 81.8



#27
1,2-Dichloroethane
Concen: 6.403 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Tgt Ion: 62 Resp: 6601
Ion Ratio Lower Upper
62 100
98 9.6 7.5 11.3





#29

Cyclohexane

Concen: 6.450 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

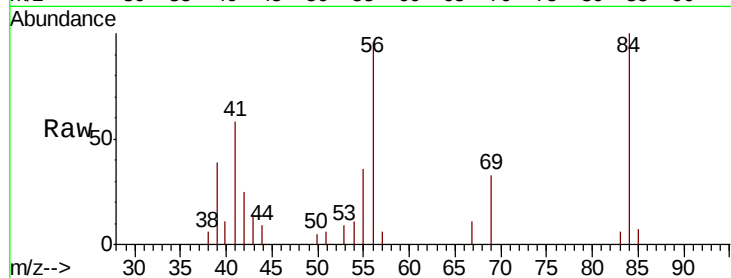
Tgt Ion: 56 Resp: 6138

Ion Ratio Lower Upper

56 100

69 32.1 26.1 39.1

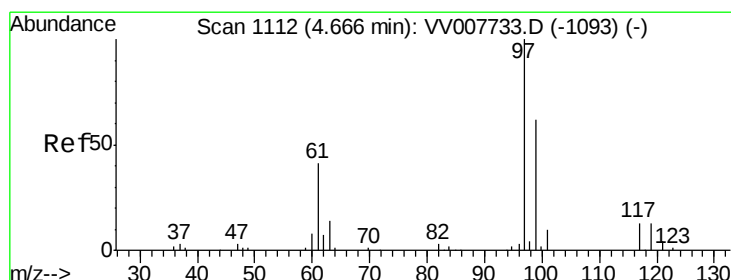
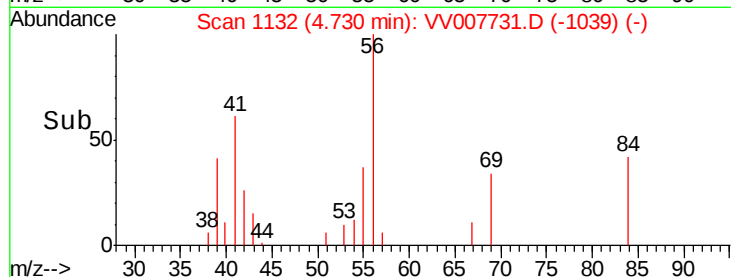
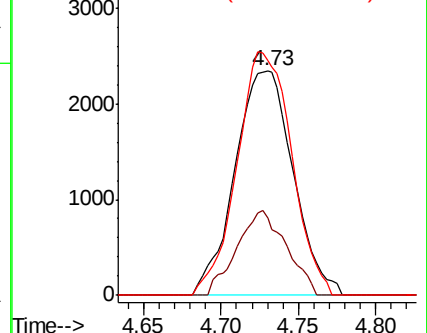
84 101.5 79.7 119.5



Abundance Ion 56.00 (55.70 to 56.70): VV007731.D (-1039) (-)

Ion 69.00 (68.70 to 69.70): VV007731.D (-1039) (-)

Ion 84.00 (83.70 to 84.70): VV007731.D (-1039) (-)



#30

1,1,1-Trichloroethane

Concen: 6.356 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

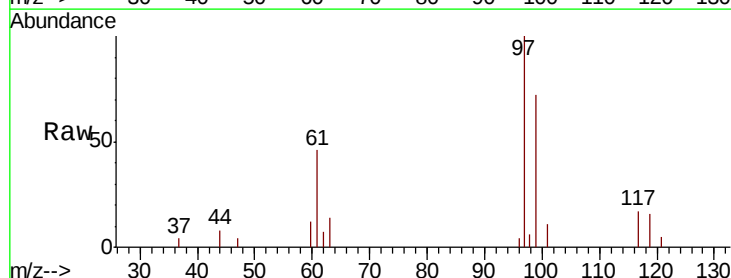
Tgt Ion: 97 Resp: 7402

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.8

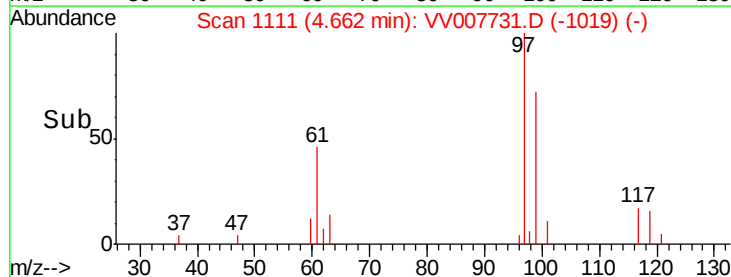
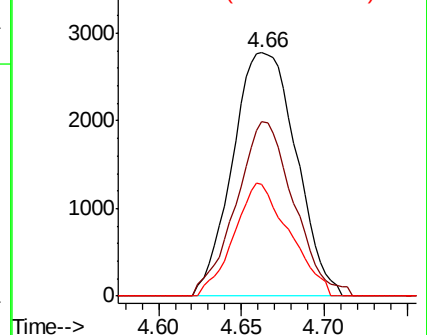
61 40.5 33.0 49.4

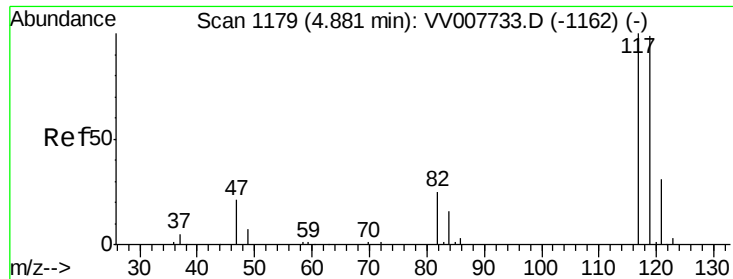


Abundance Ion 97.00 (96.70 to 97.70): VV007731.D (-1019) (-)

Ion 99.00 (98.70 to 99.70): VV007731.D (-1019) (-)

Ion 61.05 (60.75 to 61.75): VV007731.D (-1019) (-)

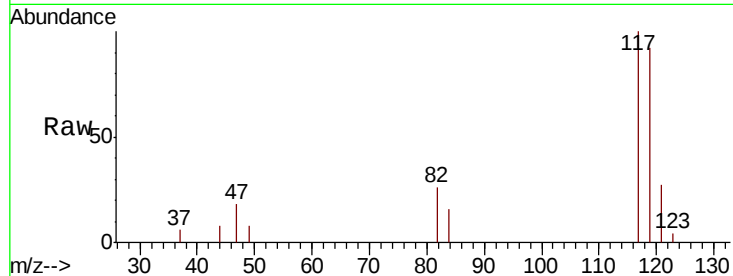




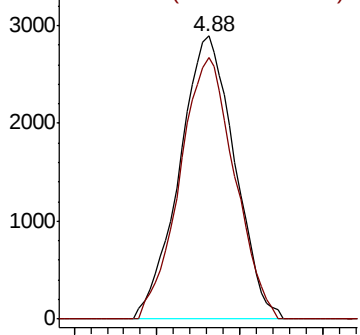
#31
Carbon tetrachloride
Concen: 6.438 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

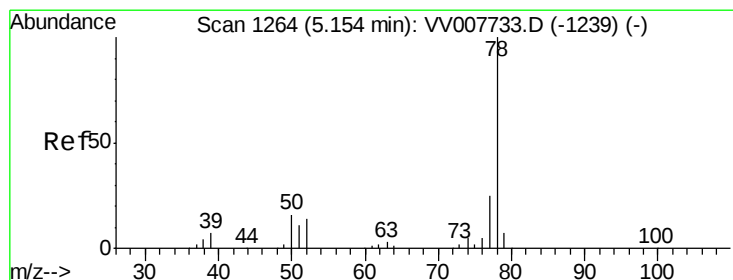
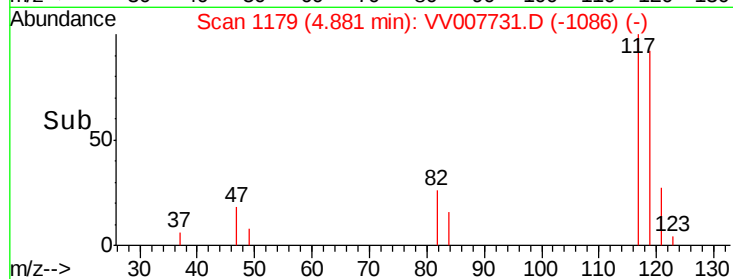
Tgt Ion:117 Resp: 6684
Ion Ratio Lower Upper
117 100
119 91.9 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

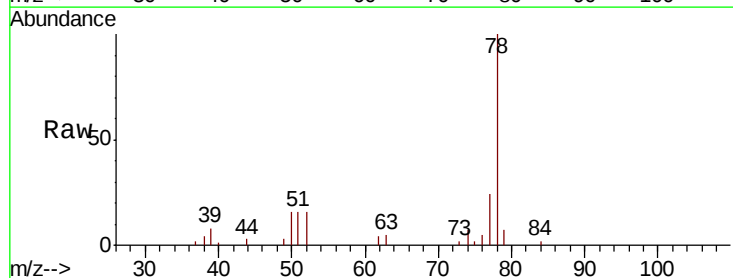


Time--> 4.80 4.85 4.90 4.95

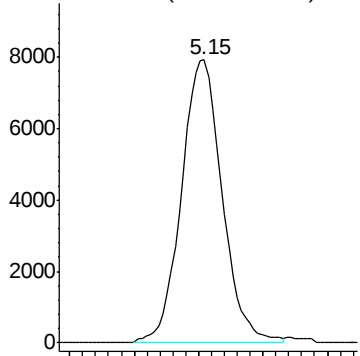


#33
Benzene
Concen: 6.724 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

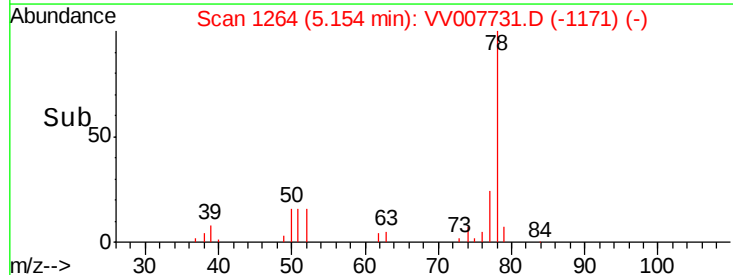
Tgt Ion: 78 Resp: 17436

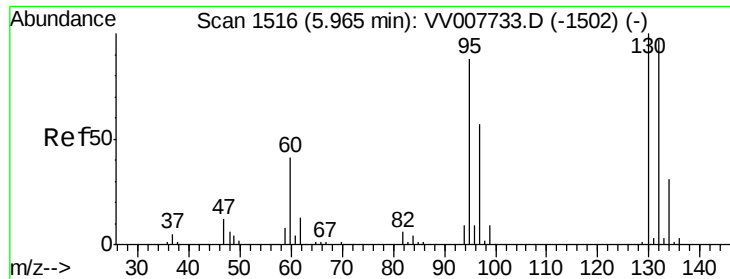


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time--> 5.05 5.10 5.15 5.20 5.25

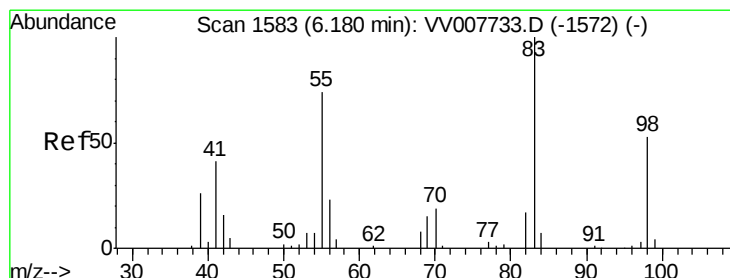
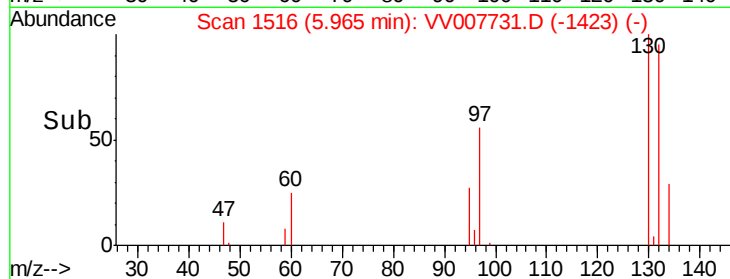
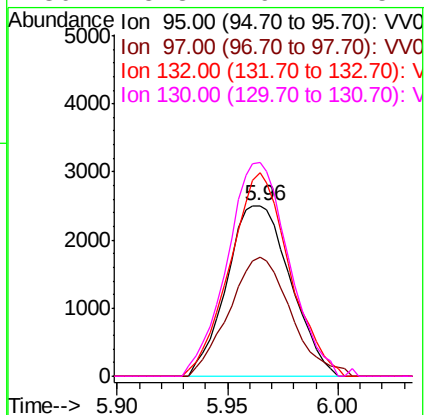
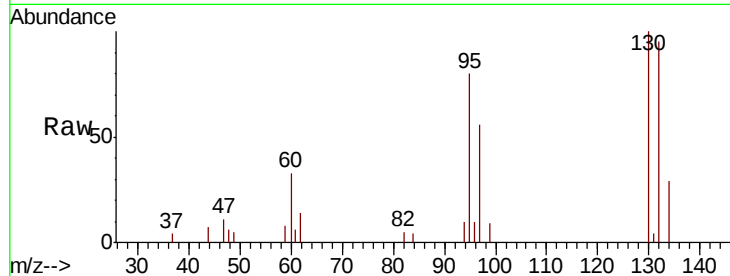




#34
 Trichloroethene
 Concen: 6.724 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

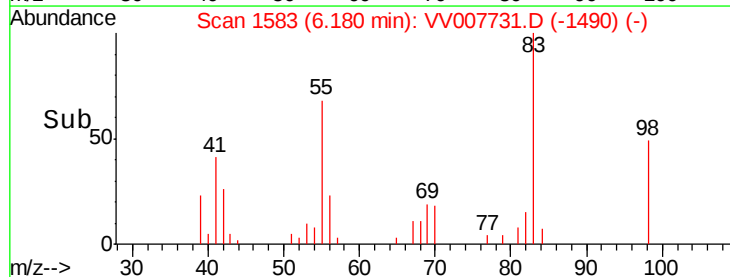
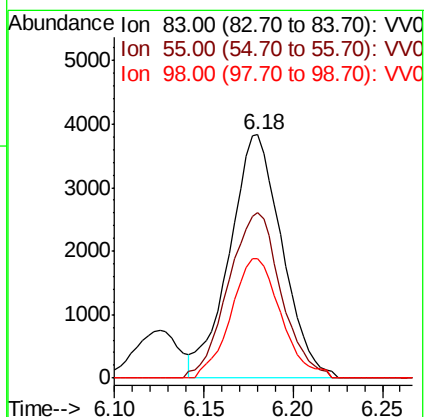
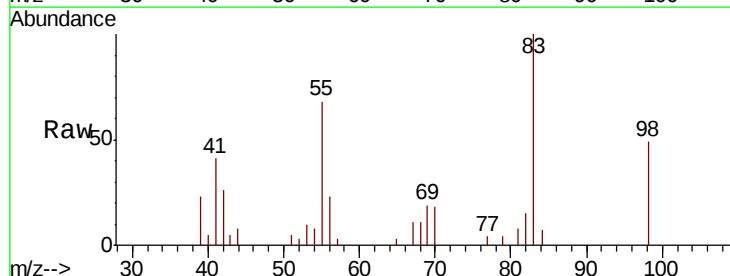
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

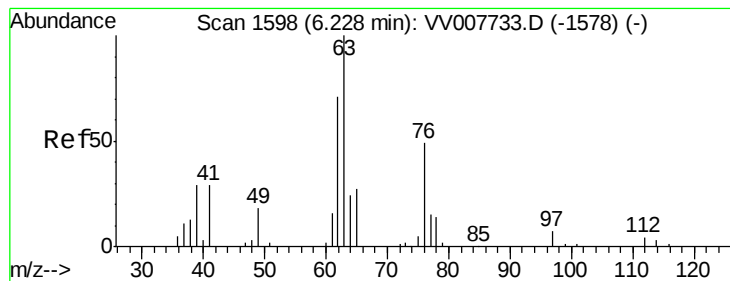
Tgt Ion: 95 Resp: 5014
 Ion Ratio Lower Upper
 95 100
 97 69.8 45.2 84.0
 132 119.6 77.7 144.3
 130 125.3 79.7 148.1



#35
 Methylcyclohexane
 Concen: 6.825 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Tgt Ion: 83 Resp: 7859
 Ion Ratio Lower Upper
 83 100
 55 68.4 54.6 82.0
 98 46.5 39.0 58.6





#37

1,2-Dichloropropane

Concen: 6.486 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

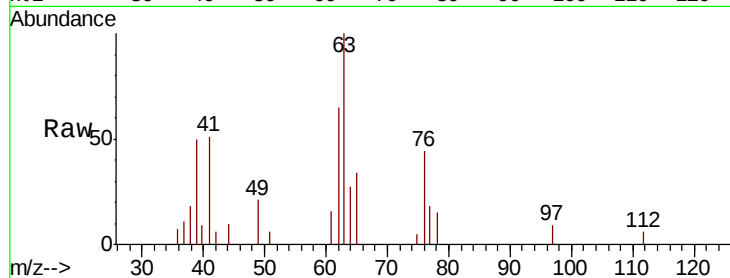
VSTD00563

Tgt Ion: 63 Resp: 4231

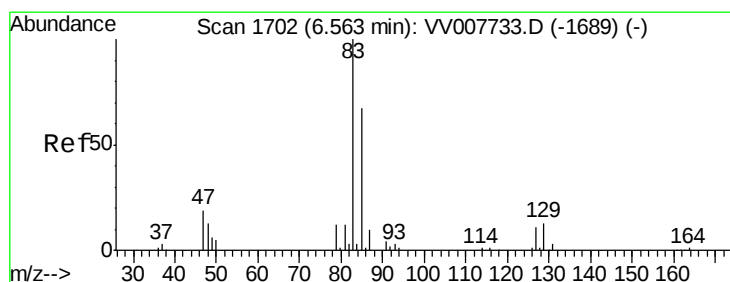
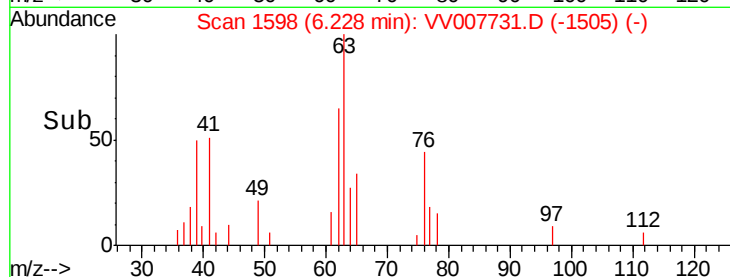
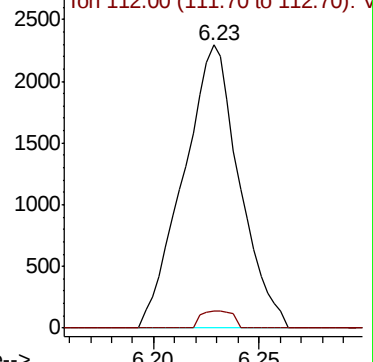
Ion Ratio Lower Upper

63 100

112 3.5 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV007731.D (-1505) (-)



#38

Bromodichloromethane

Concen: 6.132 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

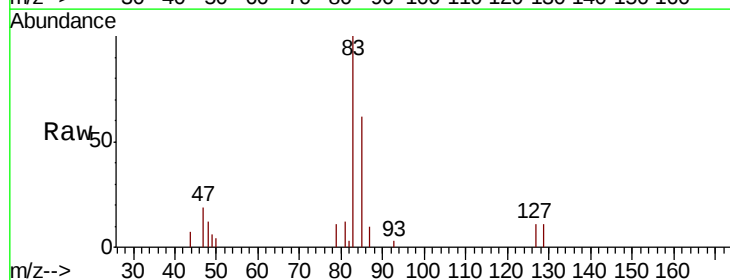
Tgt Ion: 83 Resp: 5424

Ion Ratio Lower Upper

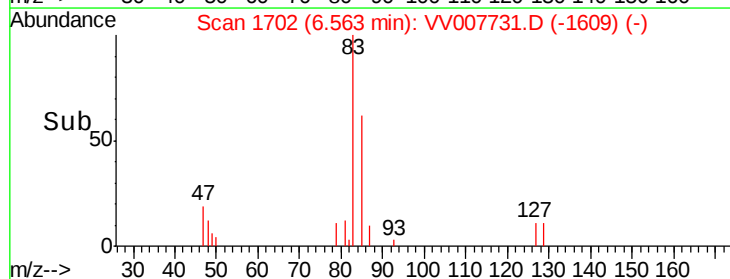
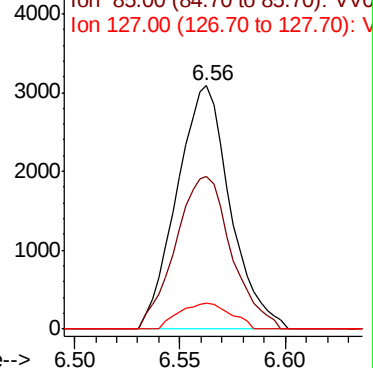
83 100

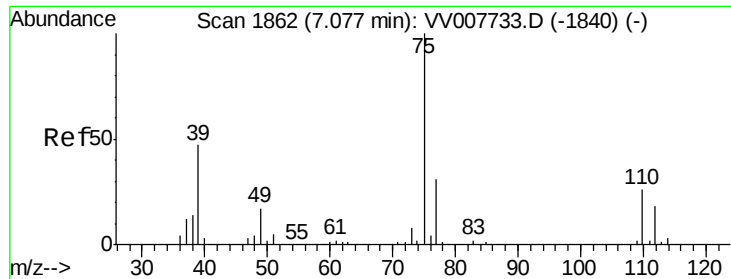
85 62.5 46.6 86.6

127 10.9 8.7 13.1



Abundance Ion 83.00 (82.70 to 83.70): VV007731.D (-1609) (-)

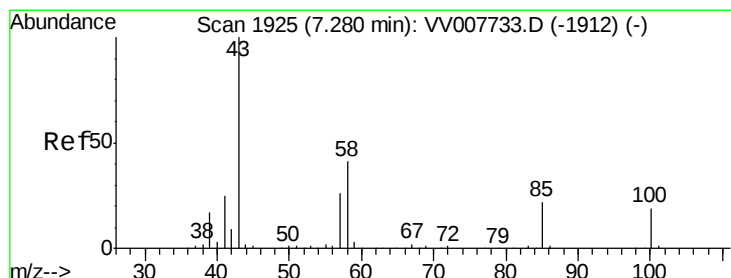
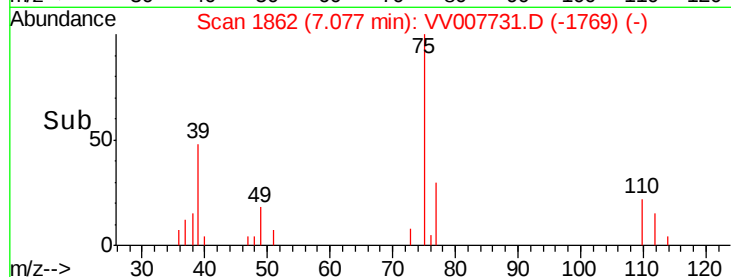
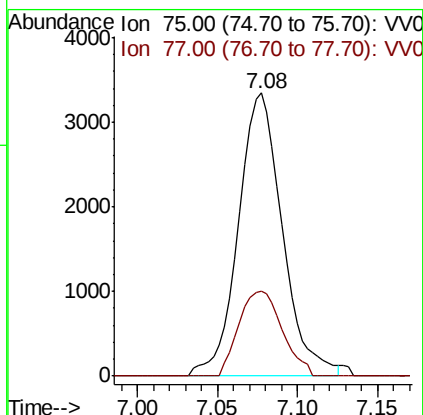
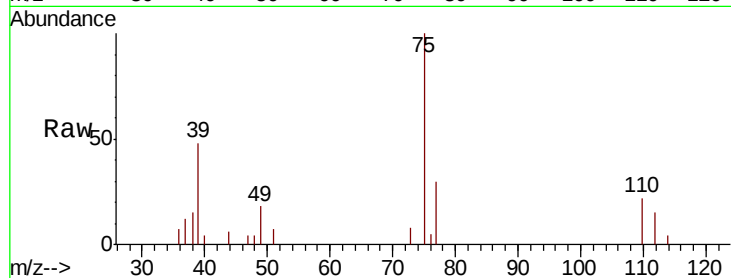




#39
 cis-1,3-Dichloropropene
 Concen: 6.221 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

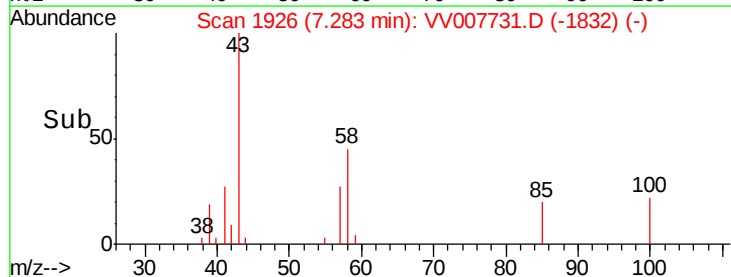
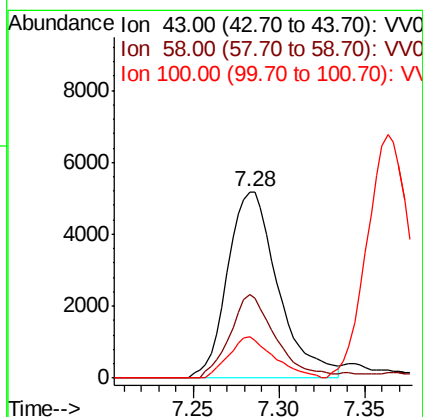
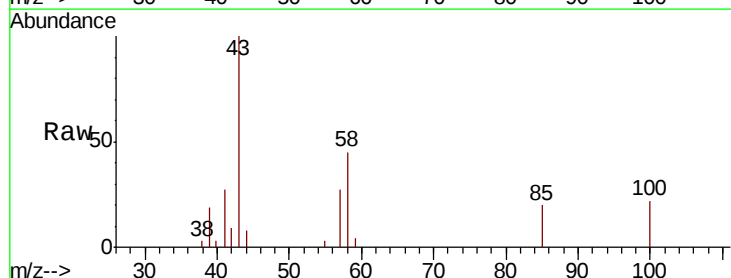
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

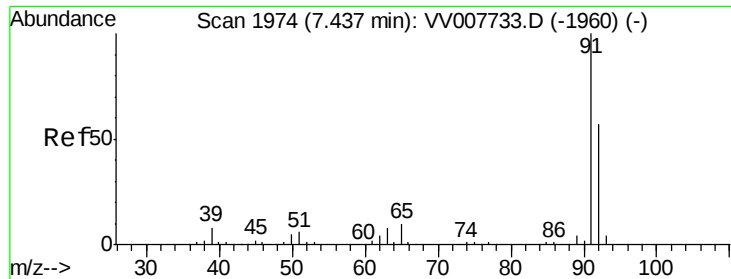
Tgt Ion: 75 Resp: 6298
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 12.150 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Tgt Ion: 43 Resp: 10591
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.5 47.3
 100 19.9 14.7 22.1





#42

Toluene

Concen: 6.546 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

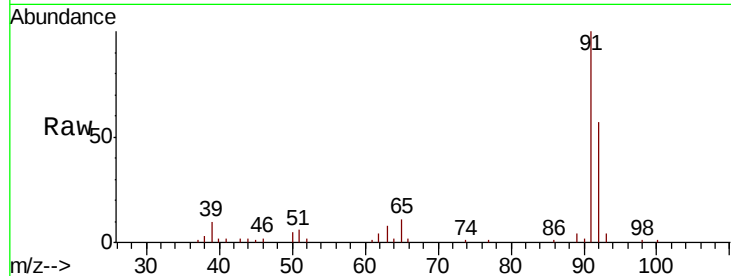
VSTD00563

Tgt Ion: 91 Resp: 19834

Ion Ratio Lower Upper

91 100

92 57.1 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007733.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007733.D (-1960) (-)

7.43

12000

10000

8000

6000

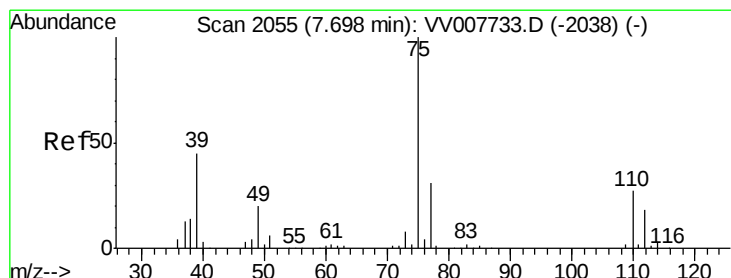
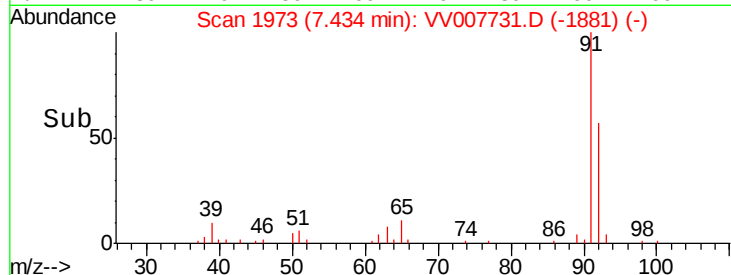
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.552 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007731.D

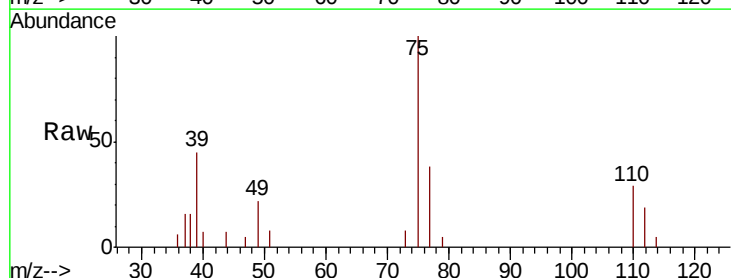
Acq: 22 Sep 2018 13:34

Tgt Ion: 75 Resp: 5323

Ion Ratio Lower Upper

75 100

77 38.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007733.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007733.D (-2038) (-)

7.70

3000

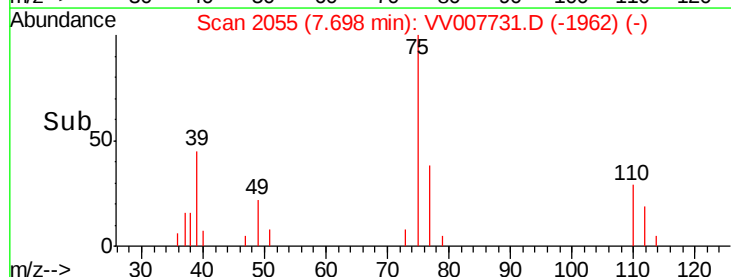
2000

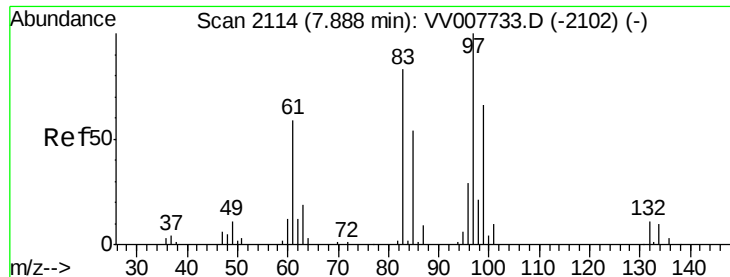
1000

0

Time-->

7.65 7.70 7.75

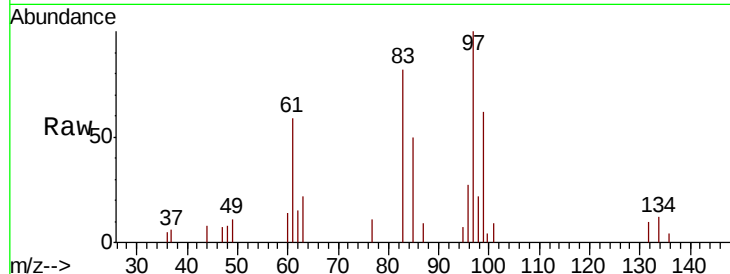




#45
 1,1,2-Trichloroethane
 Concen: 6.259 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	97	Resp:	4564
Ion	Ratio	Lower	Upper
97	100		
99	66.2	45.8	85.2
83	82.3	58.2	108.0
85	49.9	38.0	70.6



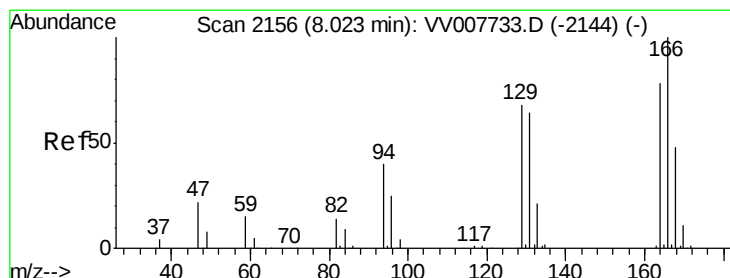
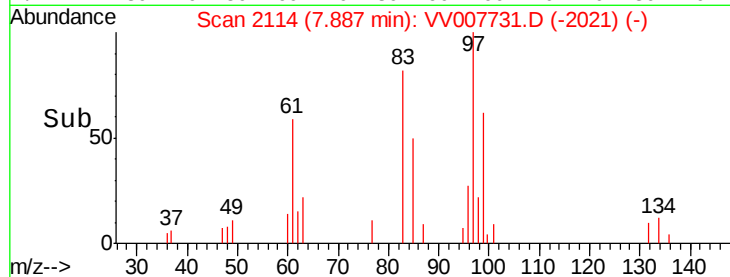
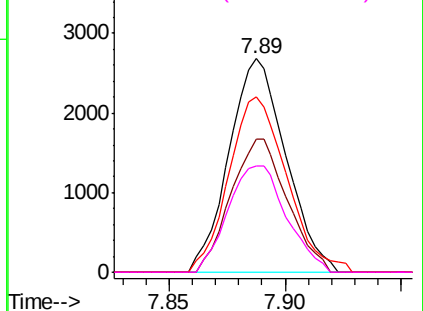
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

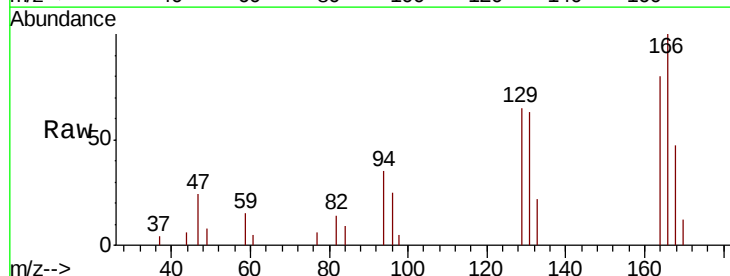
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 6.898 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Tgt Ion:	164	Resp:	5279
Ion	Ratio	Lower	Upper
164	100		
129	81.3	61.0	113.4
131	78.3	57.8	107.4
166	125.2	89.9	167.0



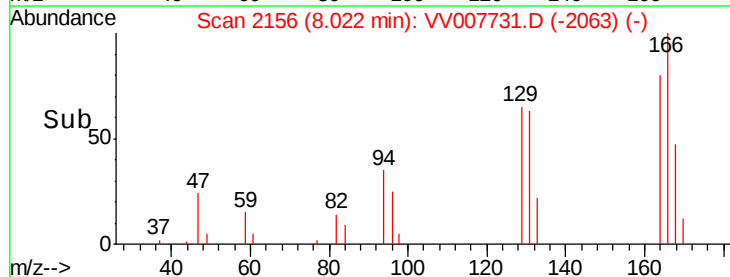
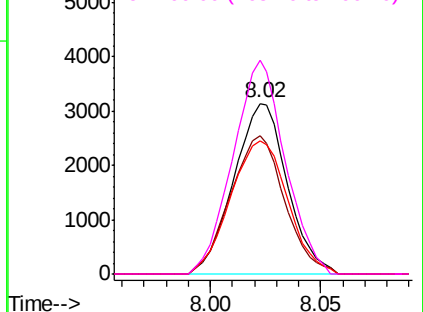
Abundance

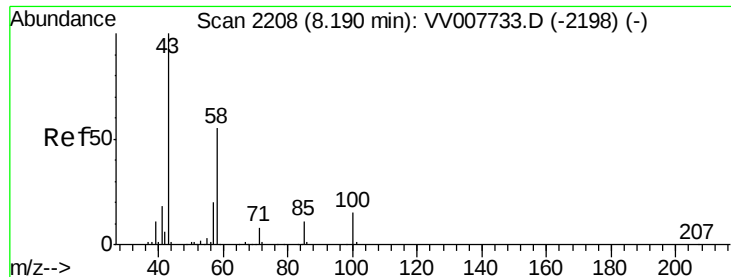
Ion 164.00 (163.70 to 164.70): V

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

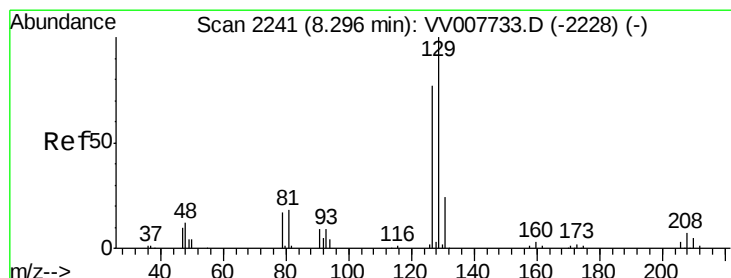
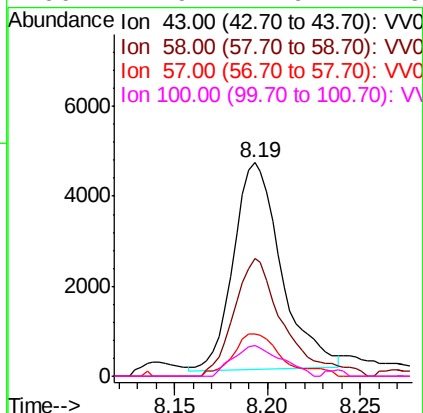
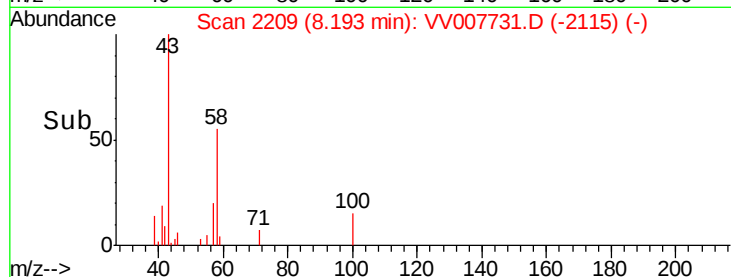
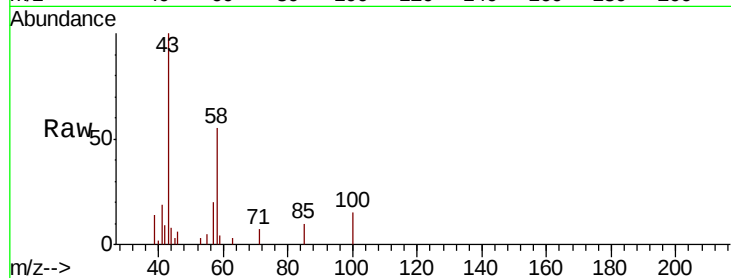




#48
2-Hexanone
Concen: 12.106 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

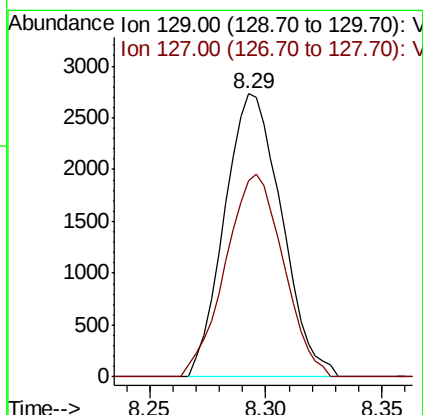
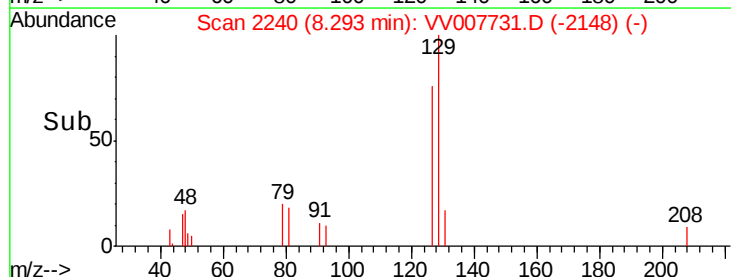
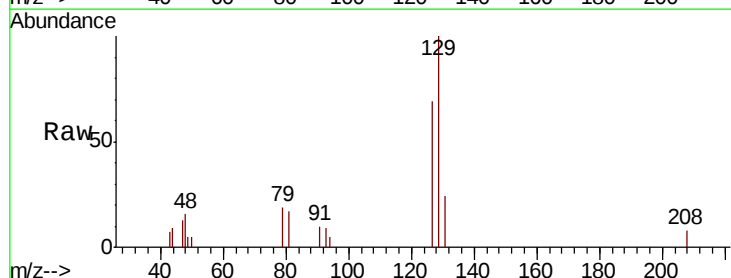
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

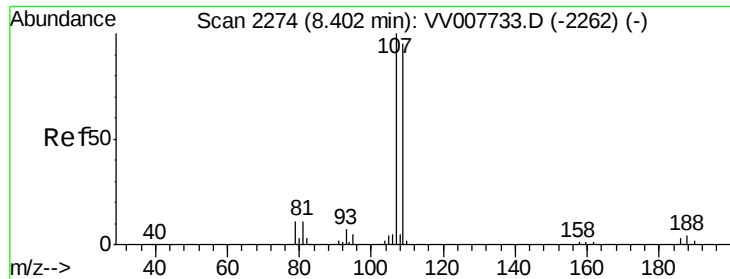
Tgt Ion: 43 Resp: 8254
Ion Ratio Lower Upper
43 100
58 58.7 41.4 62.0
57 19.5 16.0 24.0
100 14.9 11.9 17.9



#49
Dibromochloromethane
Concen: 5.669 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Tgt Ion: 129 Resp: 4672
Ion Ratio Lower Upper
129 100
127 69.3 54.0 100.2

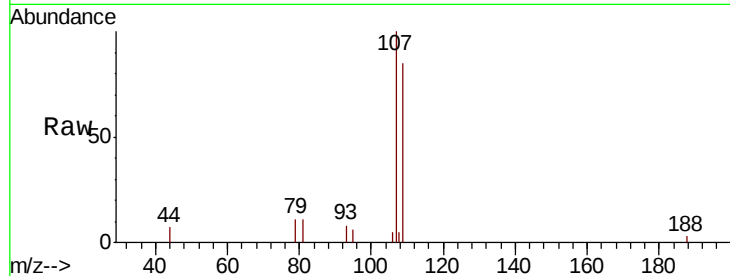




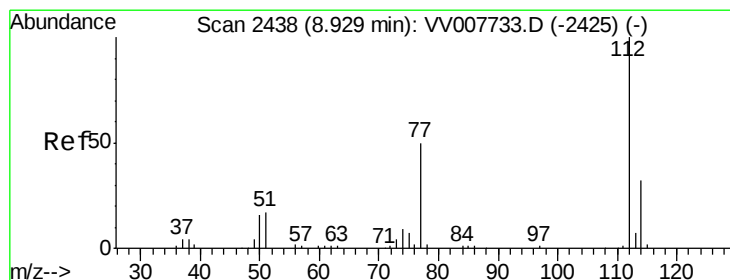
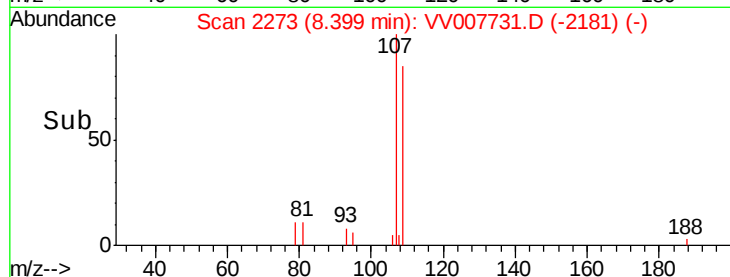
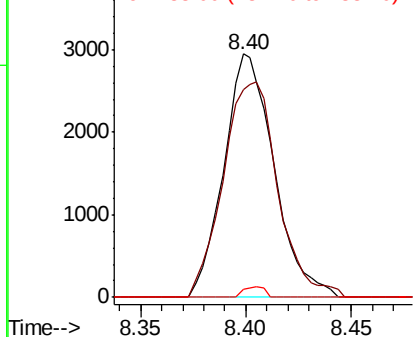
#50
1,2-Dibromoethane
Concen: 6.098 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:107 Resp: 4881
Ion Ratio Lower Upper
107 100
109 85.2 66.4 123.2
188 3.4 3.5 5.3#

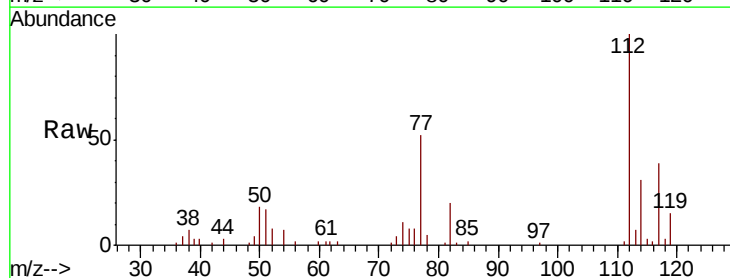


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

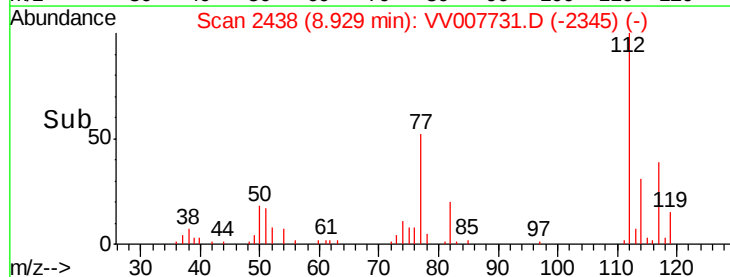
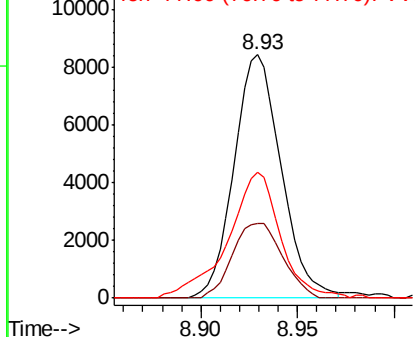


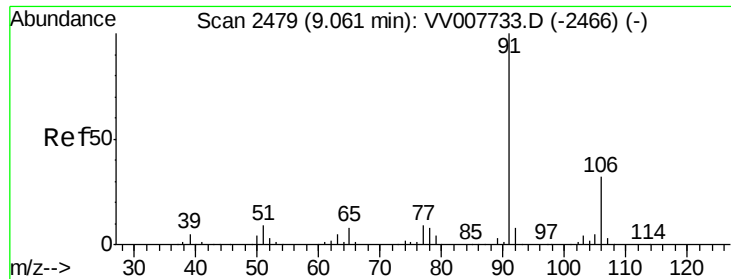
#51
Chlorobenzene
Concen: 6.536 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007731.D
Acq: 22 Sep 2018 13:34

Tgt Ion:112 Resp: 14263
Ion Ratio Lower Upper
112 100
114 30.7 22.3 41.3
77 51.6 40.6 60.8



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: 6.356 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

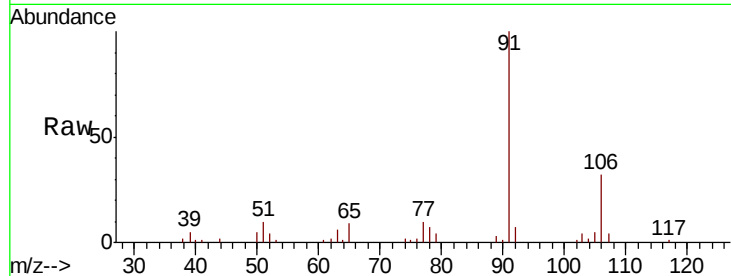
VSTD00563

Tgt Ion: 91 Resp: 22013

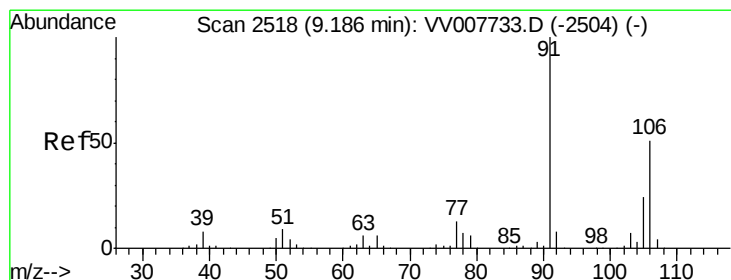
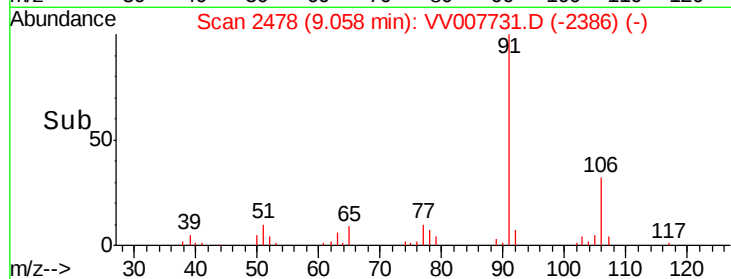
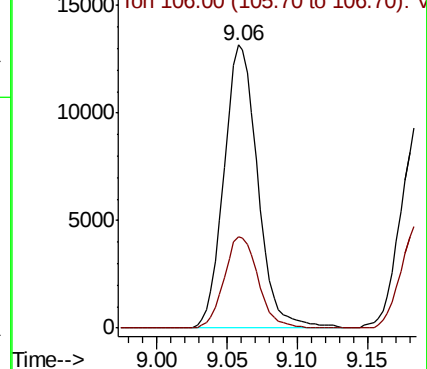
Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007731.D (-2466) (-)



#53

m,p-Xylene

Concen: 6.225 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007731.D

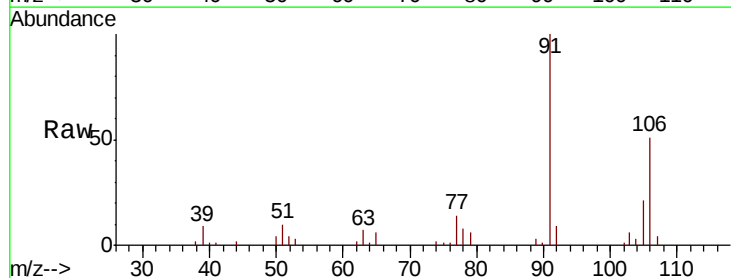
Acq: 22 Sep 2018 13:34

Tgt Ion: 106 Resp: 8566

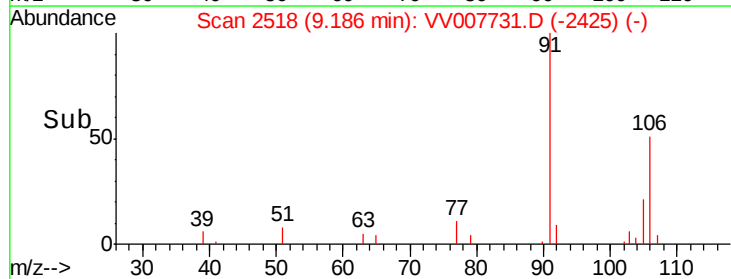
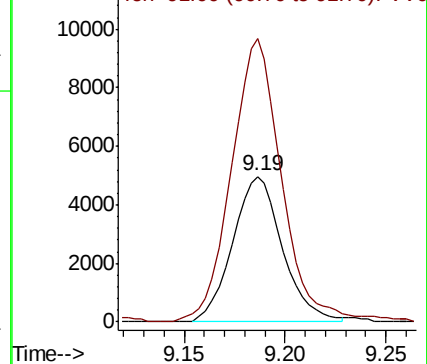
Ion Ratio Lower Upper

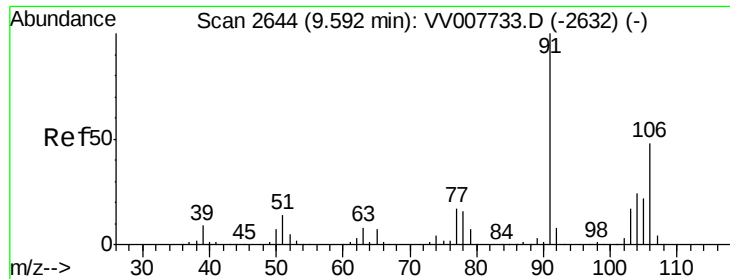
106 100

91 194.9 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007731.D (-2504) (-)





#54

o-xylene

Concen: 6.516 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

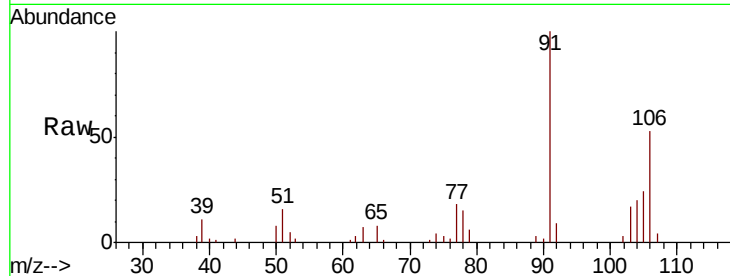
VSTD00563

Tgt Ion:106 Resp: 8900

Ion Ratio Lower Upper

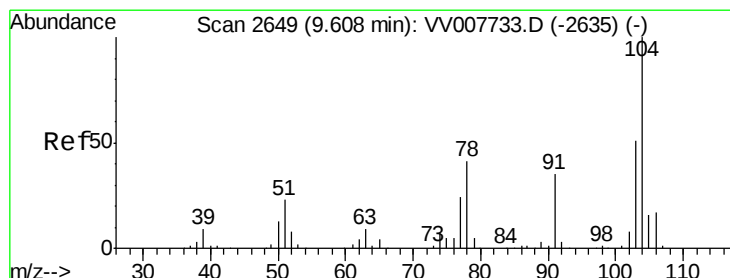
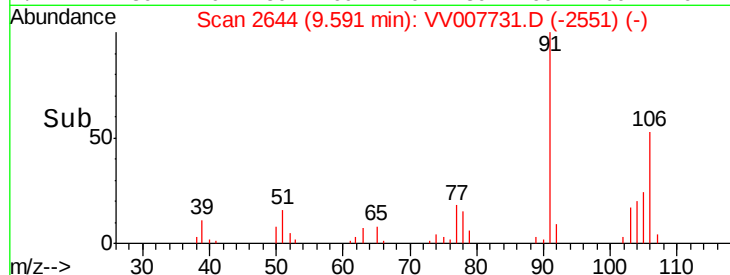
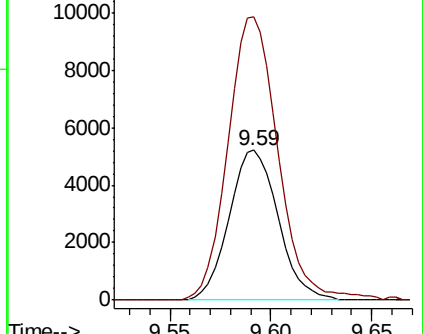
106 100

91 188.7 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 5.765 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007731.D

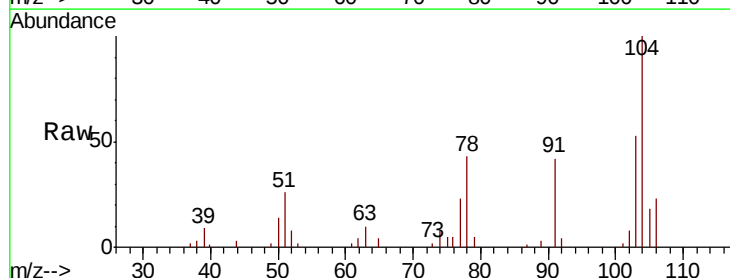
Acq: 22 Sep 2018 13:34

Tgt Ion:104 Resp: 13341

Ion Ratio Lower Upper

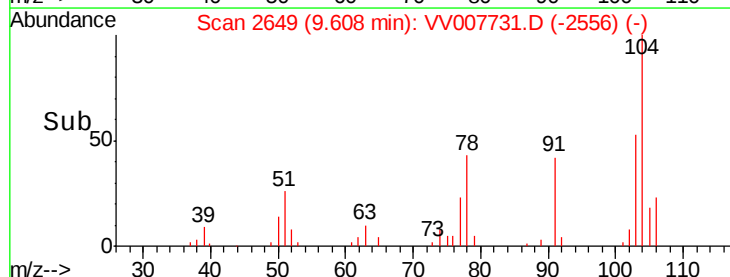
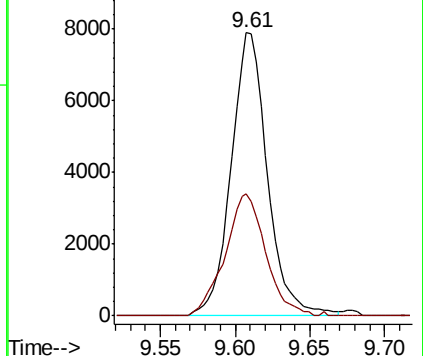
104 100

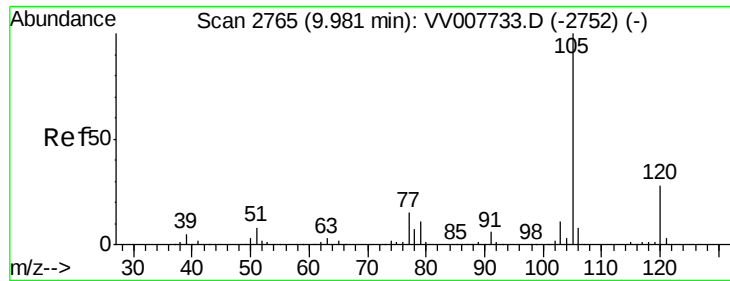
78 42.9 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.915 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

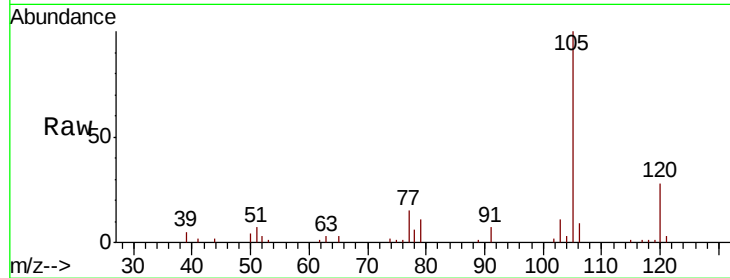
Tgt Ion: 105 Resp: 21517

Ion Ratio Lower Upper

105 100

120 28.0 22.0 33.0

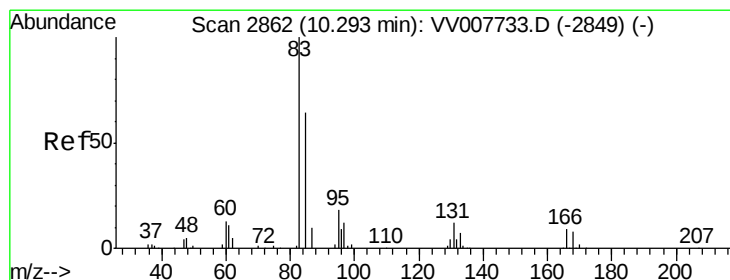
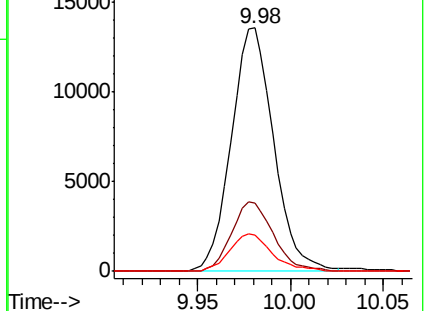
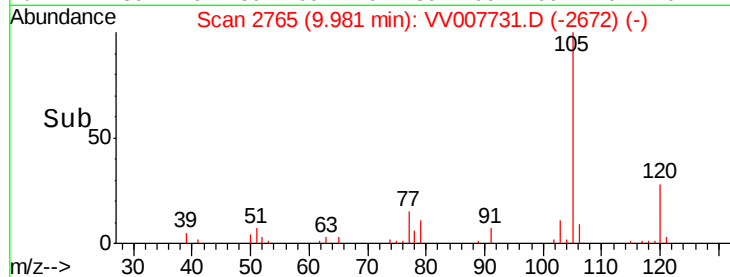
77 15.5 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.847 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

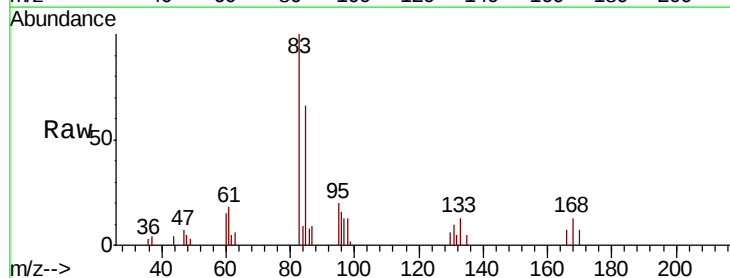
Tgt Ion: 83 Resp: 7179

Ion Ratio Lower Upper

83 100

85 65.8 45.4 84.4

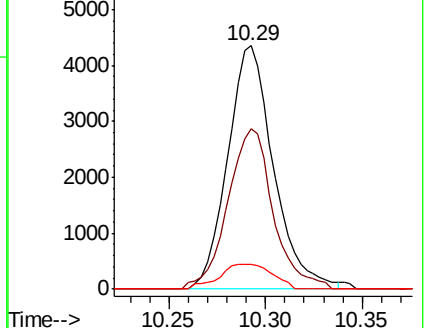
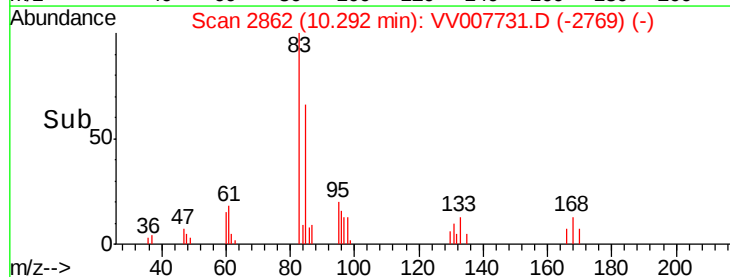
131 10.0 9.8 14.8

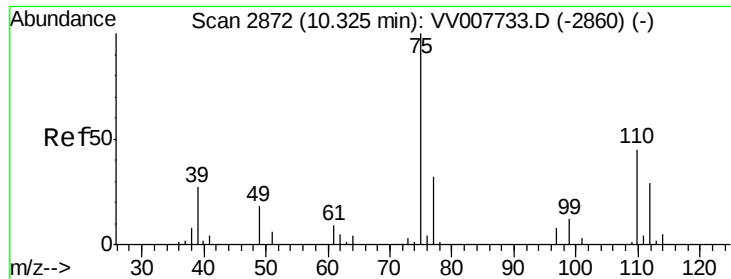


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

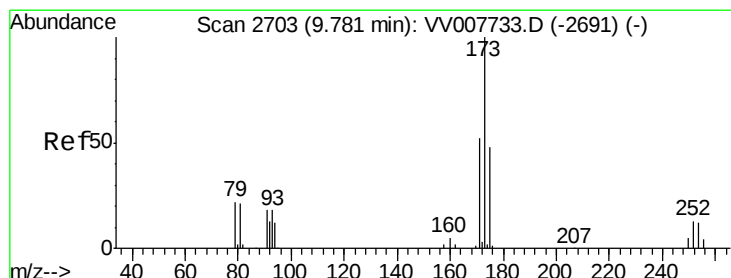
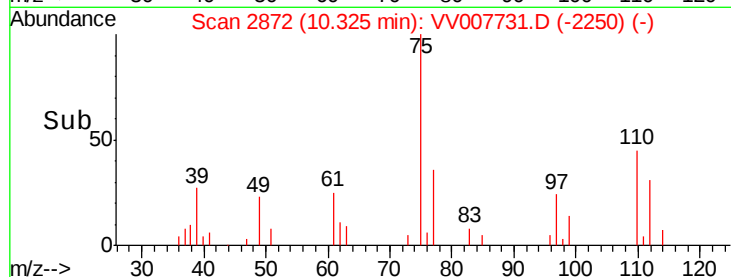
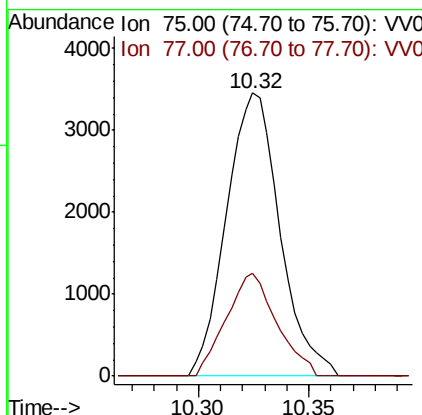
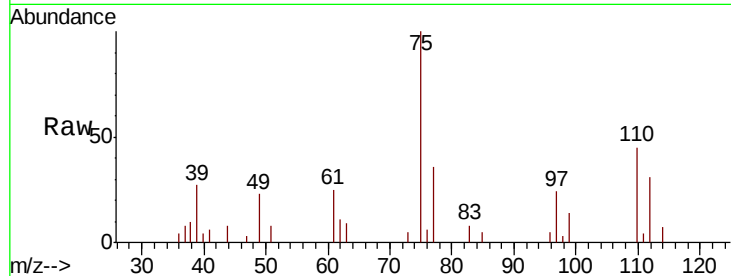




#59
 1,2,3-Trichloropropane
 Concen: 6.040 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

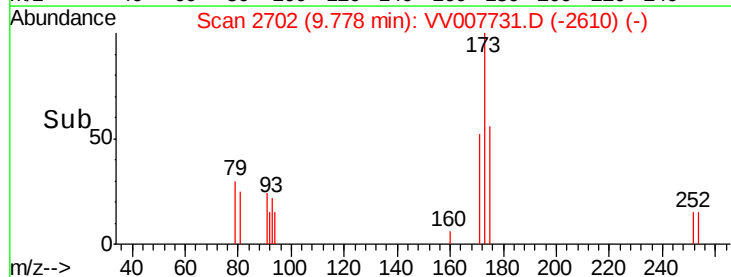
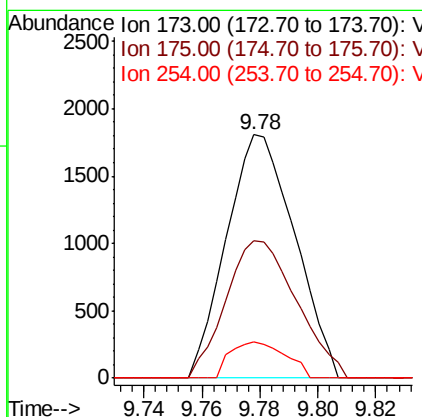
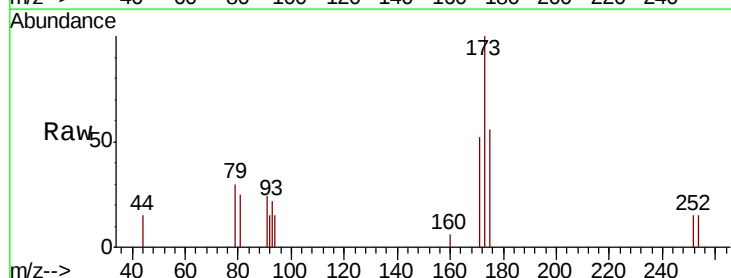
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

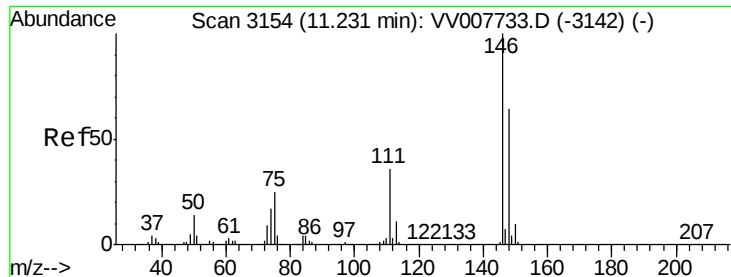
Tgt Ion: 75 Resp: 5817
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.6 38.4



#61
 Bromoform
 Concen: 4.915 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Tgt Ion: 173 Resp: 2950
 Ion Ratio Lower Upper
 173 100
 175 58.4 38.7 58.1#
 254 12.0 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 6.953 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

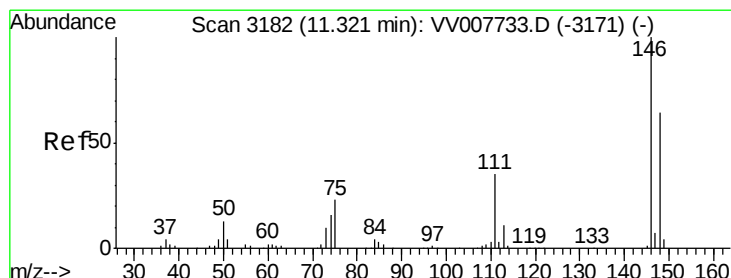
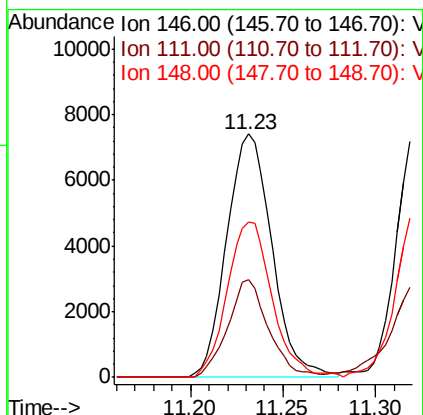
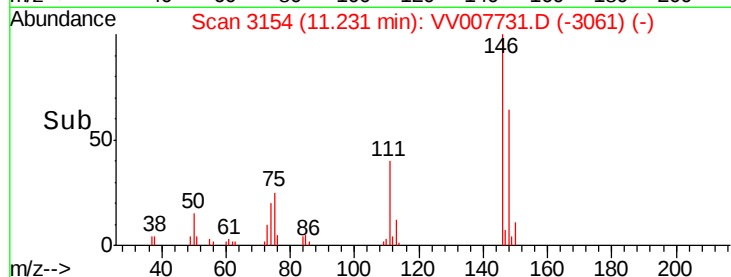
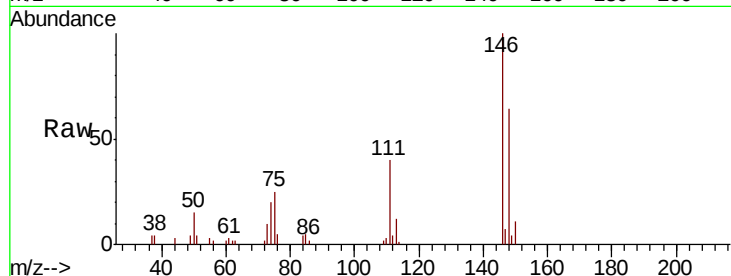
Tgt Ion:146 Resp: 12573

Ion Ratio Lower Upper

146 100

111 40.3 25.1 46.7

148 63.9 45.1 83.9



#63

1,4-Dichlorobenzene

Concen: 7.093 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

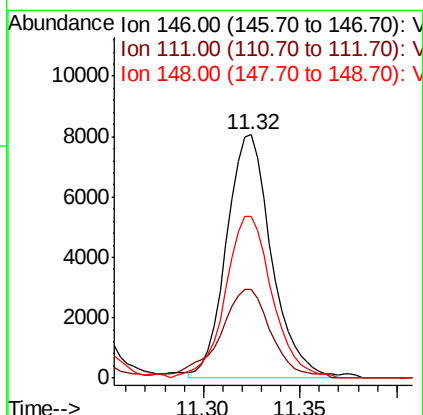
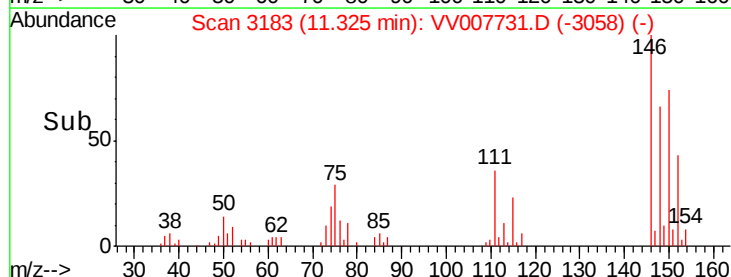
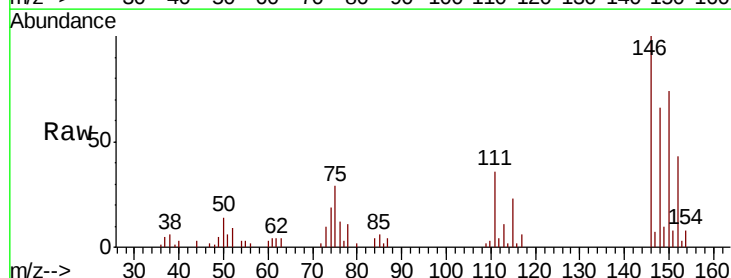
Tgt Ion:146 Resp: 13082

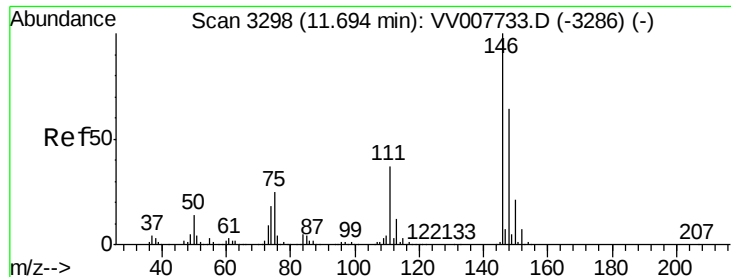
Ion Ratio Lower Upper

146 100

111 36.5 24.4 45.4

148 66.4 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 6.658 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

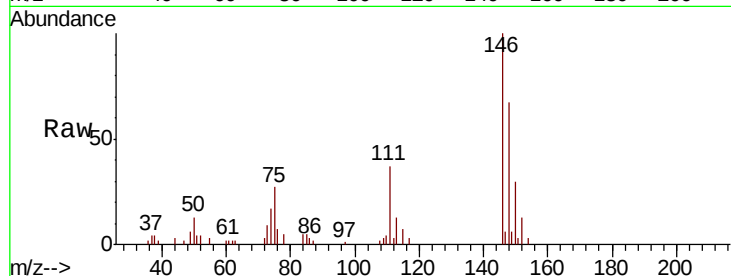
Tgt Ion:146 Resp: 12532

Ion Ratio Lower Upper

146 100

111 36.8 29.8 44.8

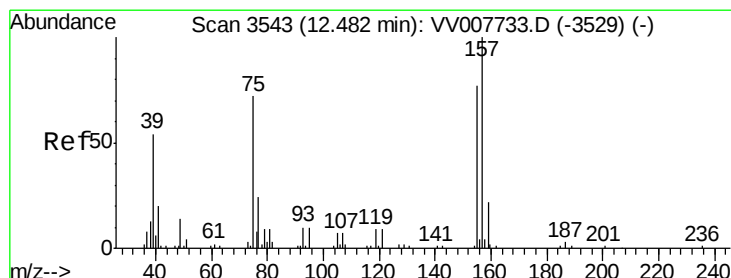
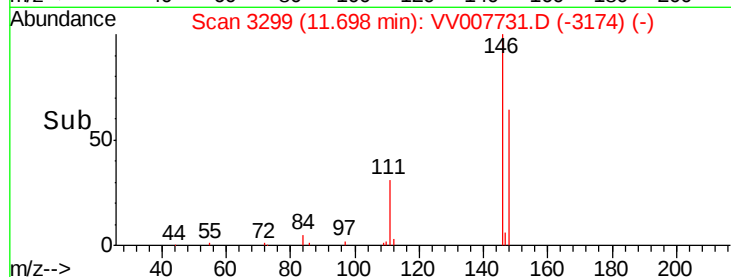
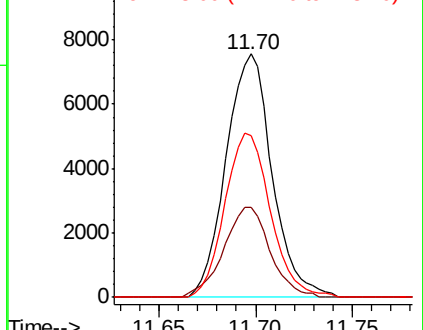
148 66.5 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 6.198 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

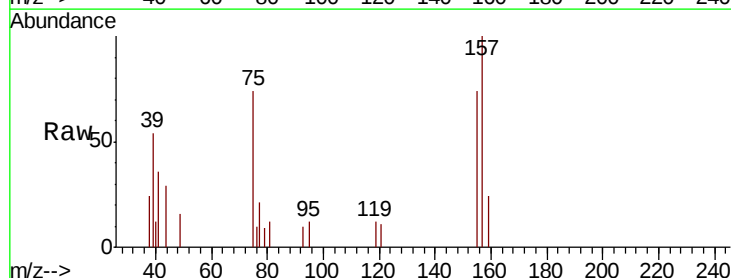
Tgt Ion: 75 Resp: 1377

Ion Ratio Lower Upper

75 100

155 100.5 86.0 129.0

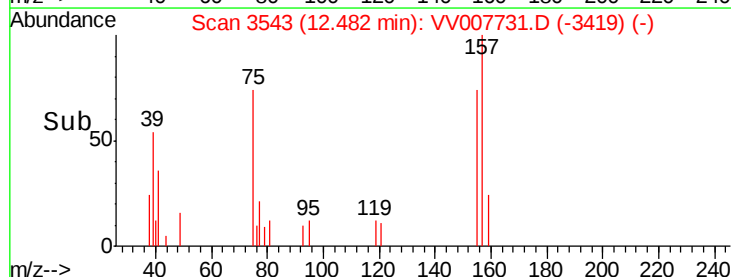
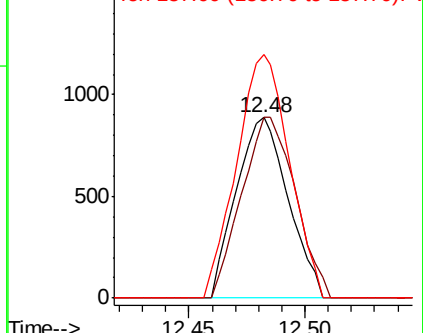
157 134.9 111.5 167.3

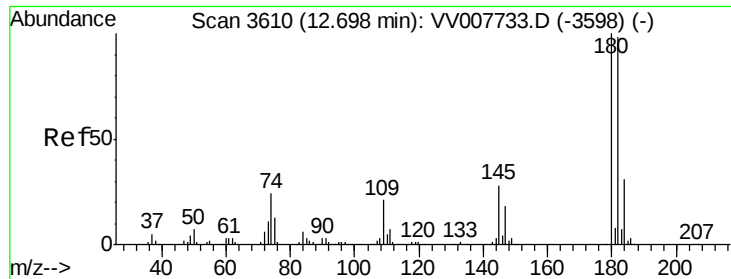


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

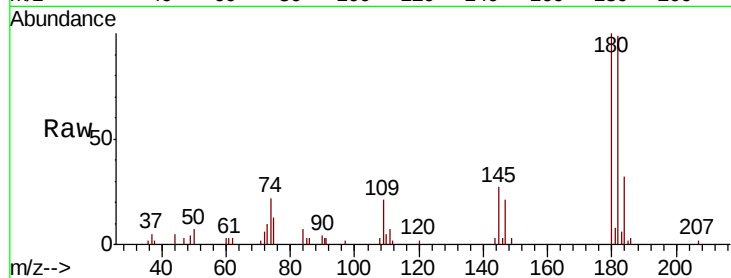




#67
 1,3,5-Trichlorobenzene
 Concen: 7.372 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	180	Resp:	10583
Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.6	116.4
184	32.8	24.7	37.1
145	27.5	21.8	32.8



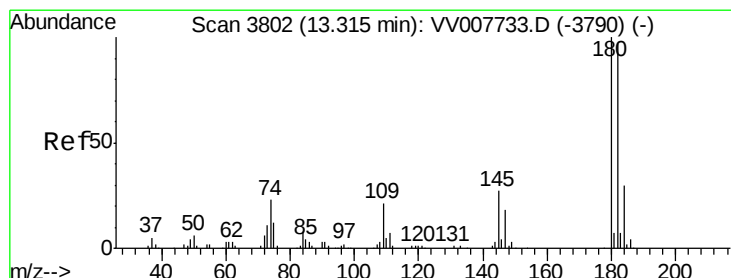
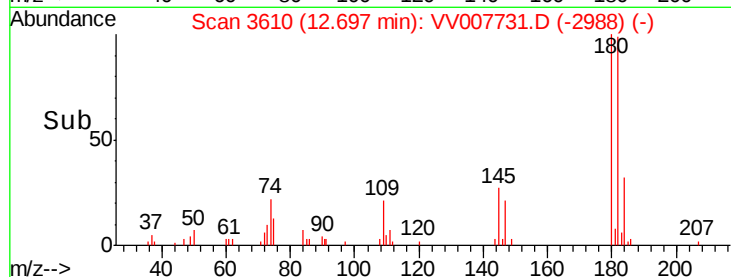
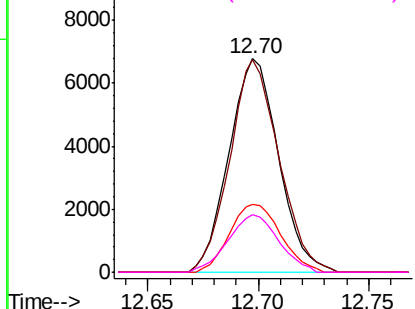
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

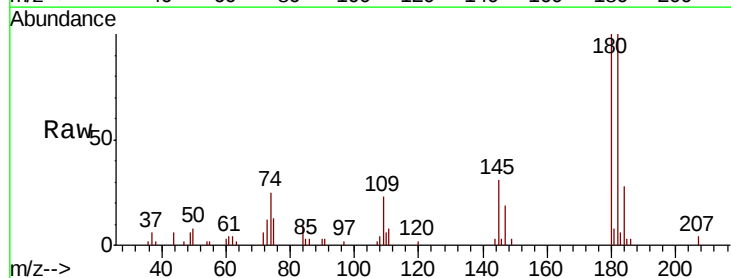
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 7.627 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007731.D
 Acq: 22 Sep 2018 13:34

Tgt Ion:	180	Resp:	9079
Ion	Ratio	Lower	Upper
180	100		
182	100.4	77.0	115.6
145	30.7	22.2	33.2

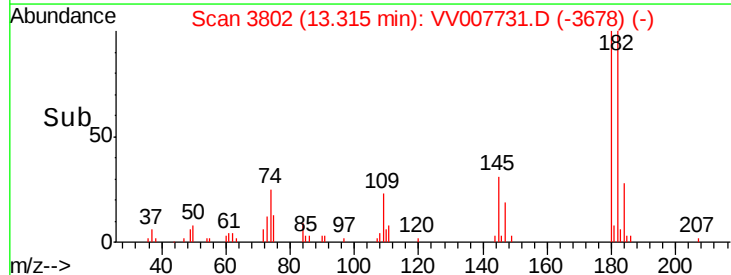
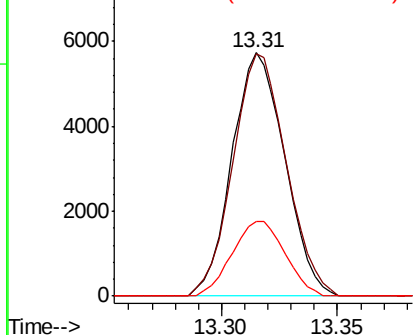


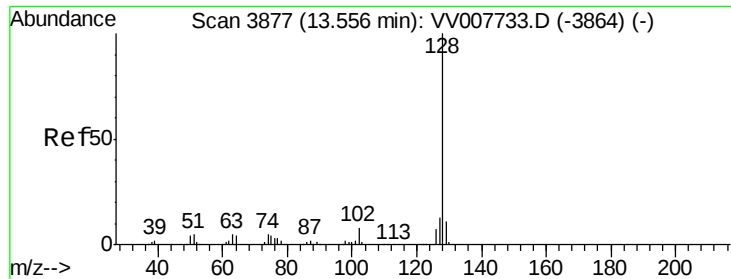
Abundance

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





#69

Naphthalene

Concen: 7.411 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

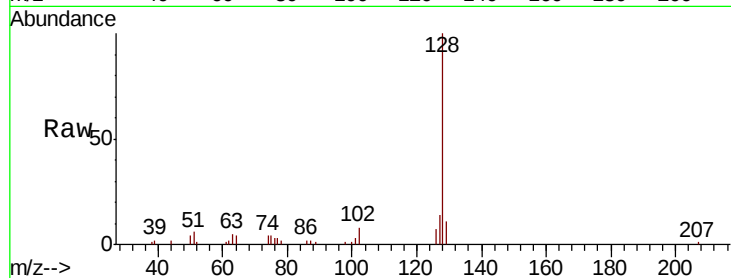
Tgt Ion:128 Resp: 22759

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

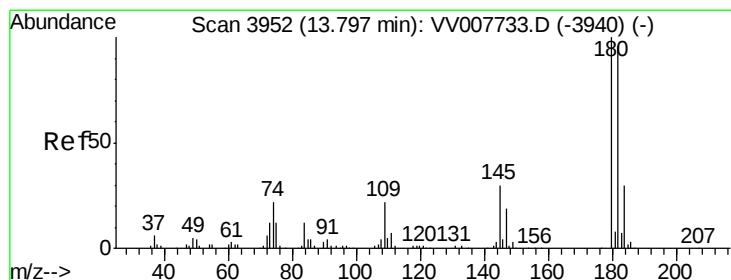
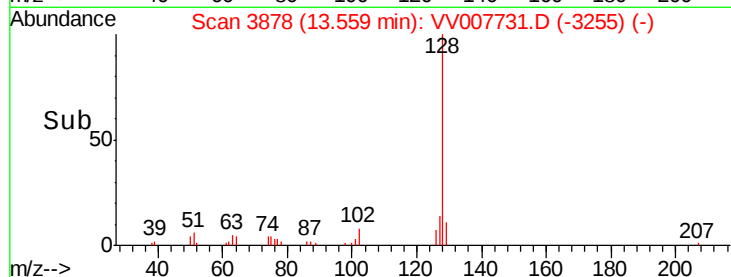
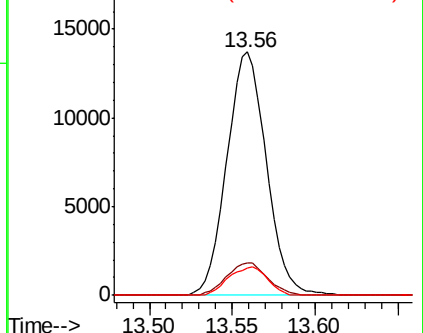
129 11.2 8.6 13.0



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: 7.704 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007731.D

Acq: 22 Sep 2018 13:34

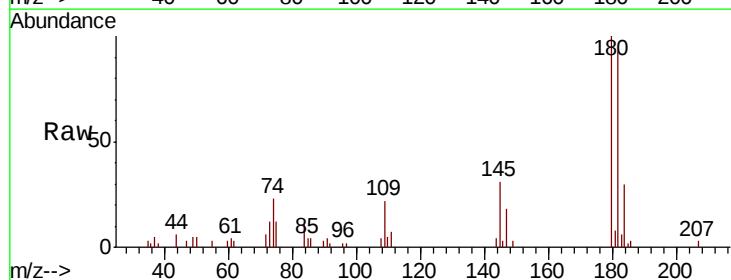
Tgt Ion:180 Resp: 9459

Ion Ratio Lower Upper

180 100

182 97.5 77.4 116.2

145 30.1 23.3 34.9



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

