

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007739.D
 Acq On : 22 Sep 2018 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Sep 24 02:31:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:30:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	194141	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	188857	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	109231	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49881	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.54%
7) Chloroethane-d5	1.58	69	46644	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.30%
11) 1,1-Dichloroethene-d2	2.14	63	119370	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
21) 2-Butanone-d5	3.95	46	72310	103.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	4.41	84	110204	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.09	65	70898	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
32) Benzene-d6	5.11	84	211604	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
36) 1,2-Dichloropropane-d6	6.13	67	61527	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.36	98	220882	48.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.38%
43) trans-1,3-Dichloropropene-	7.67	79	32937	50.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.92%
47) 2-Hexanone-d5	8.14	63	56818	100.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.65%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	99518	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
64) 1,2-Dichlorobenzene-d4	11.68	152	107276	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66022	48.980	ug/L 98
3) Chloromethane	1.25	50	53371	49.263	ug/L 99
5) Vinyl chloride	1.33	62	61686	49.155	ug/L 99
6) Bromomethane	1.53	94	49871	50.805	ug/L 97
8) Chloroethane	1.60	64	40211	47.925	ug/L 97
9) Trichlorofluoromethane	1.78	101	124368	48.058	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	71006	48.375	ug/L 98
12) 1,1-Dichloroethene	2.15	96	63960	49.671	ug/L 95
13) Acetone	2.19	43	67709	92.066	ug/L 99
14) Carbon disulfide	2.33	76	160139	46.946	ug/L 99
15) Methyl Acetate	2.46	43	65432	50.263	ug/L 100
16) Methylene chloride	2.54	84	69602	49.283	ug/L 99
17) trans-1,2-Dichloroethene	2.80	96	70301	48.395	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	216116	50.414	ug/L 99
19) 1,1-Dichloroethane	3.23	63	90234	49.164	ug/L 98
20) cis-1,2-Dichloroethene	3.97	96	64031	49.147	ug/L 98
22) 2-Butanone	4.03	43	79319	99.636	ug/L 99

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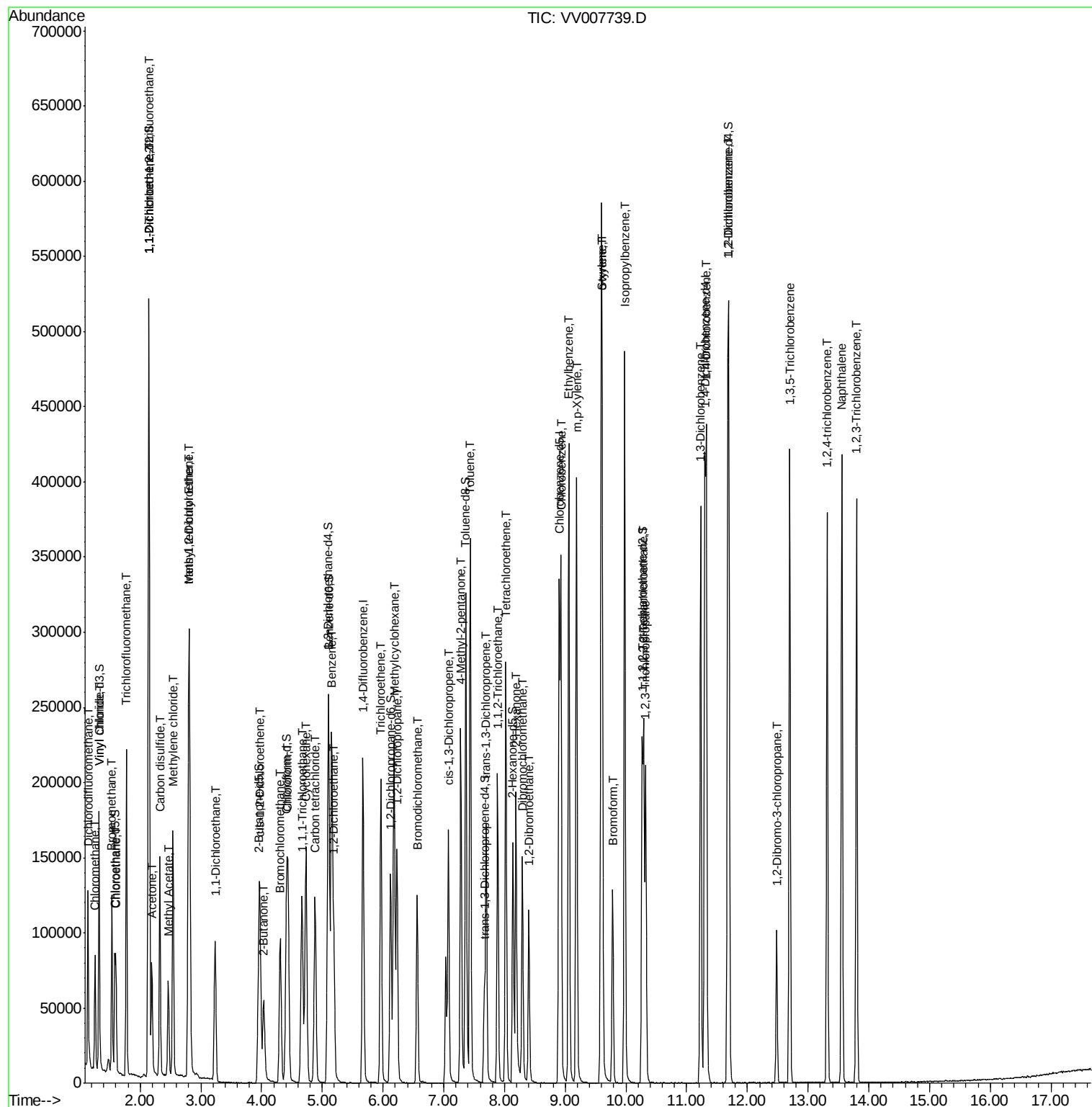
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	36988	51.227	ug/L	97
25) Chloroform	4.44	83	109540	50.347	ug/L	97
27) 1,2-Dichloroethane	5.19	62	86940	49.264	ug/L	99
29) Cyclohexane	4.73	56	80144	48.527	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	99947	49.451	ug/L	99
31) Carbon tetrachloride	4.88	117	92563	49.568	ug/L	99
33) Benzene	5.15	78	227754	50.346	ug/L	100
34) Trichloroethene	5.96	95	65343	48.841	ug/L	99
35) Methylcyclohexane	6.18	83	100347	48.970	ug/L	98
37) 1,2-Dichloropropane	6.23	63	54436	47.794	ug/L	99
38) Bromodichloromethane	6.56	83	78302	50.006	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	89169	48.701	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	155190	103.036	ug/L	99
42) Toluene	7.44	91	265876	49.583	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	89203	51.315	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	63338	49.487	ug/L	99
46) Tetrachloroethene	8.02	164	65873	48.108	ug/L	98
48) 2-Hexanone	8.19	43	120528	103.885	ug/L	97
49) Dibromochloromethane	8.30	129	74483	51.287	ug/L	99
50) 1,2-Dibromoethane	8.40	107	71637	49.857	ug/L	98
51) Chlorobenzene	8.93	112	187746	48.607	ug/L	99
52) Ethylbenzene	9.06	91	299913	49.474	ug/L	100
53) m,p-Xylene	9.19	106	118402	48.807	ug/L	100
54) o-xylene	9.59	106	117400	49.609	ug/L	99
55) Styrene	9.61	104	202510	50.159	ug/L	98
56) Isopropylbenzene	9.98	105	318107	49.849	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	101097	49.641	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	80057	49.706	ug/L	99
61) Bromoform	9.78	173	58061	51.084	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	166197	47.986	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	171682	47.791	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	171148	48.872	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21249	50.173	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	141170	48.533	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	125247	47.977	ug/L	100
69) Naphthalene	13.56	128	336368	50.254	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	127205	48.207	ug/L	99

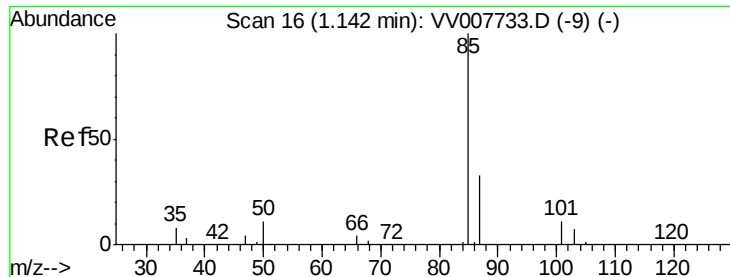
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.980 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

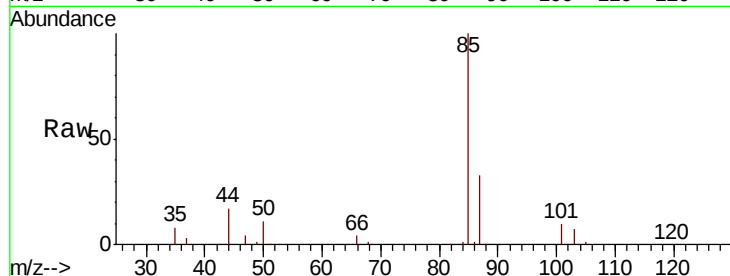
VSTD05069

Tgt Ion: 85 Resp: 66022

Ion Ratio Lower Upper

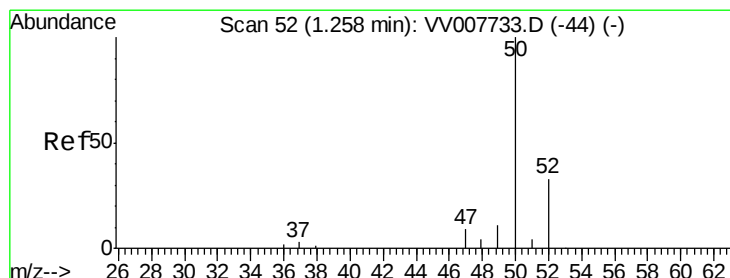
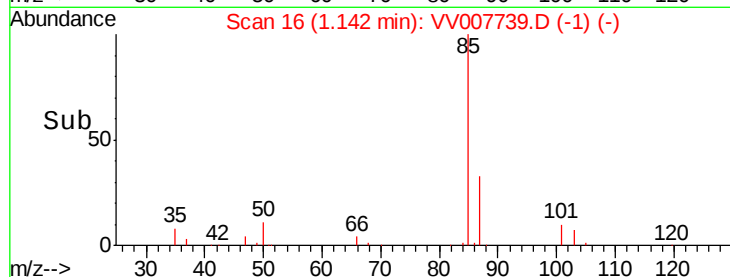
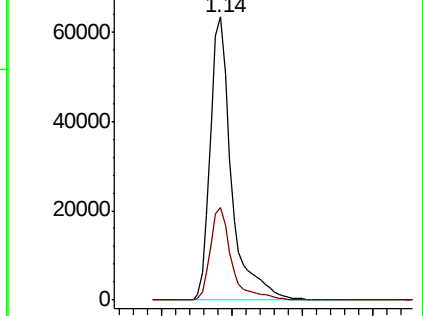
85 100

87 32.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VV007733.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007733.D (-9) (-)



#3

Chloromethane

Concen: 49.263 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007739.D

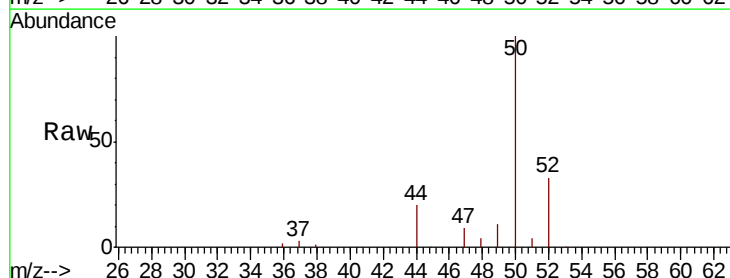
Acq: 22 Sep 2018 17:04

Tgt Ion: 50 Resp: 53371

Ion Ratio Lower Upper

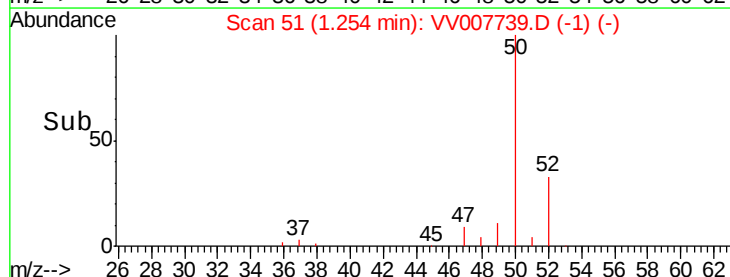
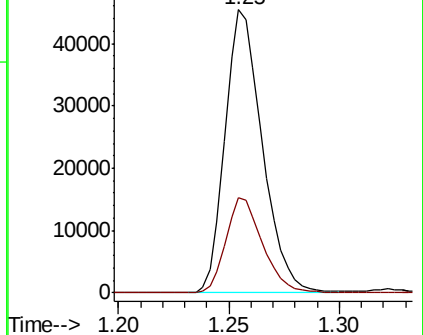
50 100

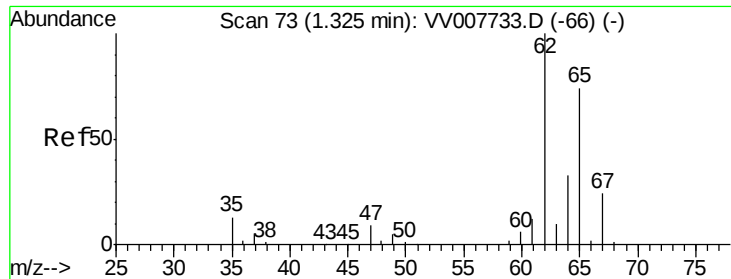
52 33.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007733.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV007733.D (-44) (-)





#5

Vinyl chloride

Concen: 49.155 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

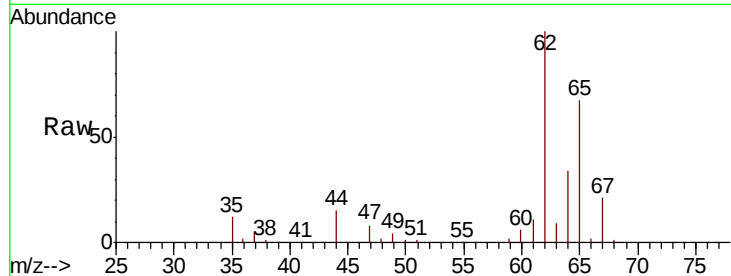
VSTD05069

Tgt Ion: 62 Resp: 61686

Ion Ratio Lower Upper

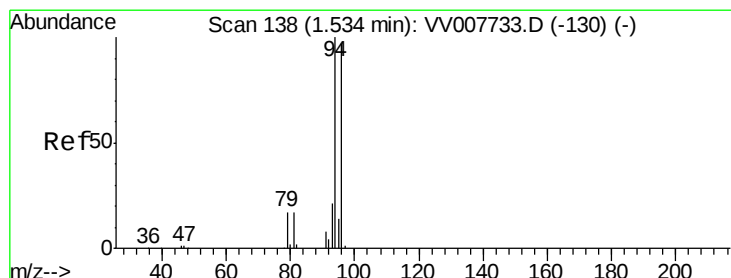
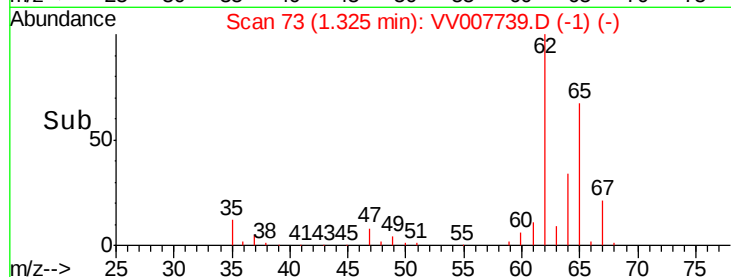
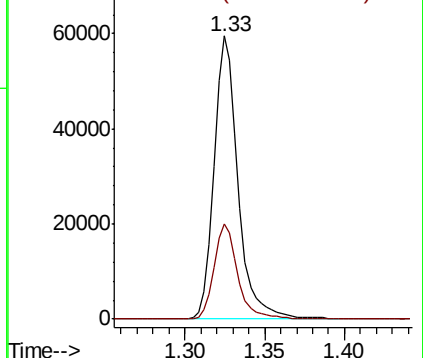
62 100

64 33.8 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.805 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV007739.D

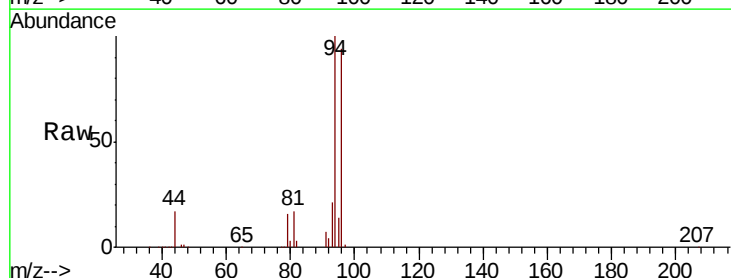
Acq: 22 Sep 2018 17:04

Tgt Ion: 94 Resp: 49871

Ion Ratio Lower Upper

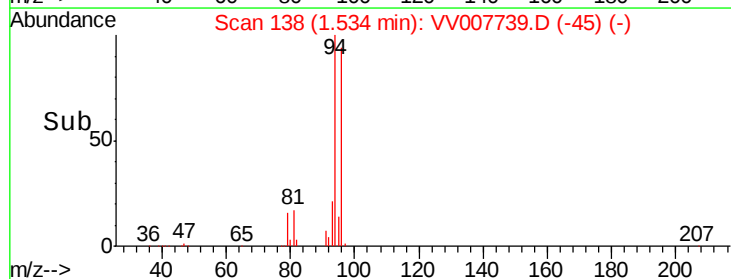
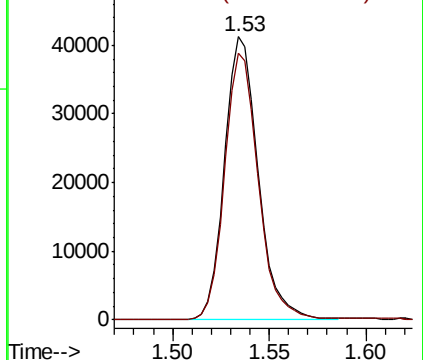
94 100

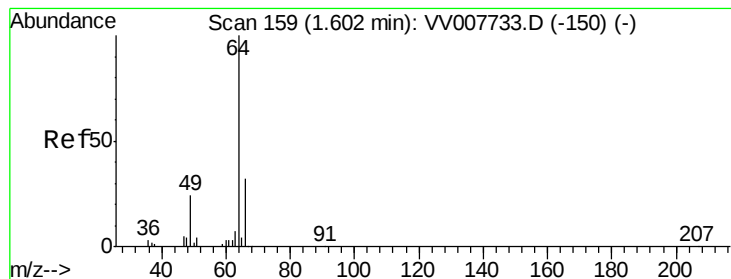
96 94.4 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.925 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

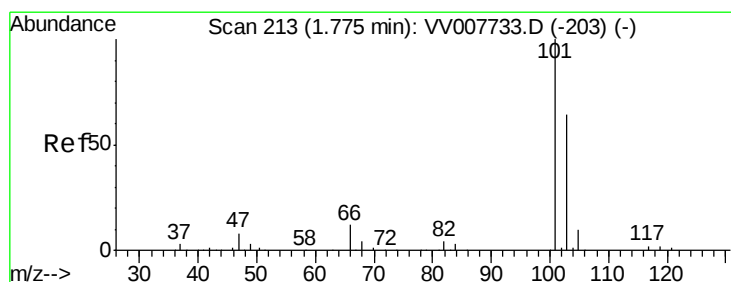
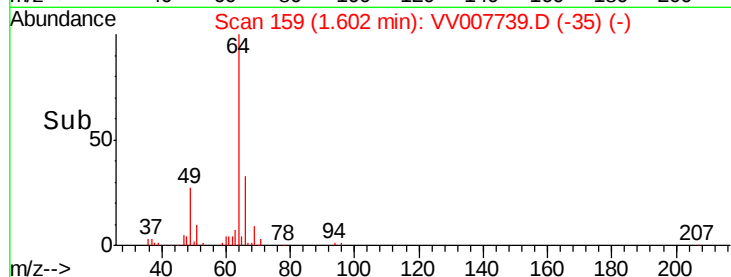
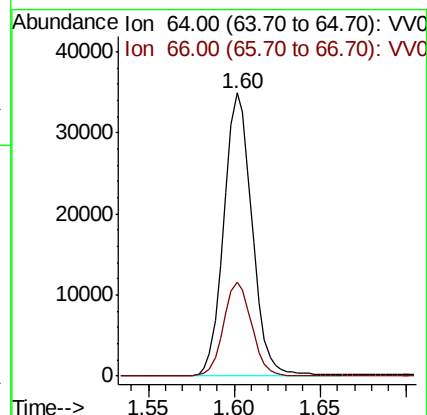
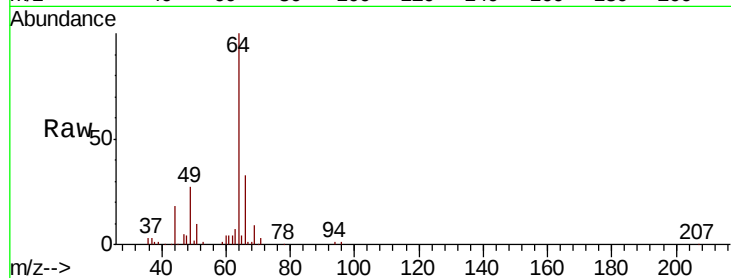
VSTD05069

Tgt Ion: 64 Resp: 40211

Ion Ratio Lower Upper

64 100

66 33.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 48.058 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007739.D

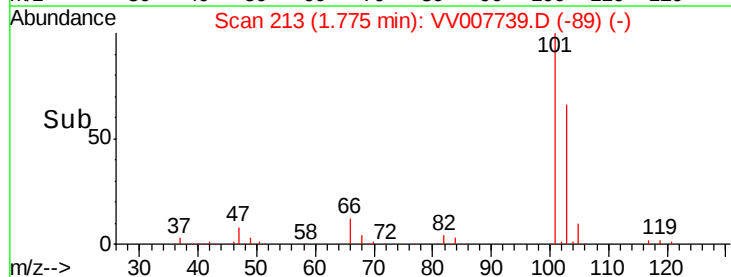
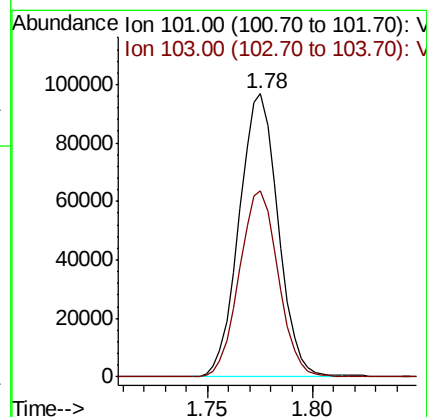
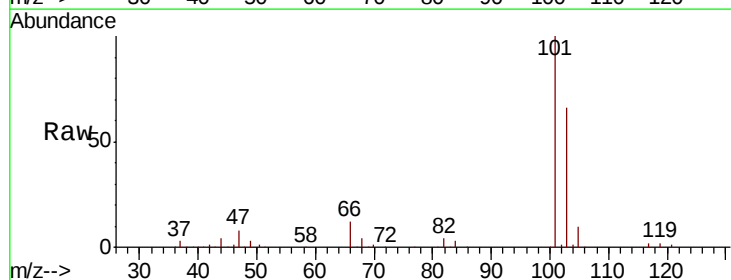
Acq: 22 Sep 2018 17:04

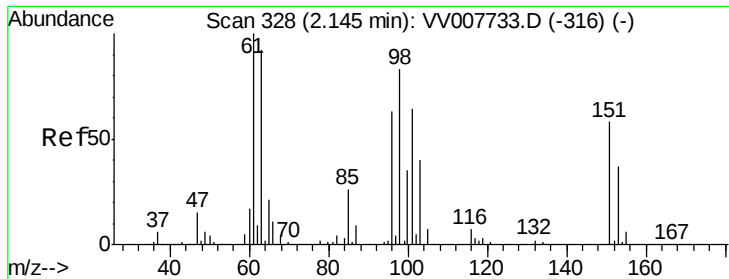
Tgt Ion: 101 Resp: 124368

Ion Ratio Lower Upper

101 100

103 65.7 51.4 77.2





#10

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

Concen: 48.375 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampled :

VSTD05069

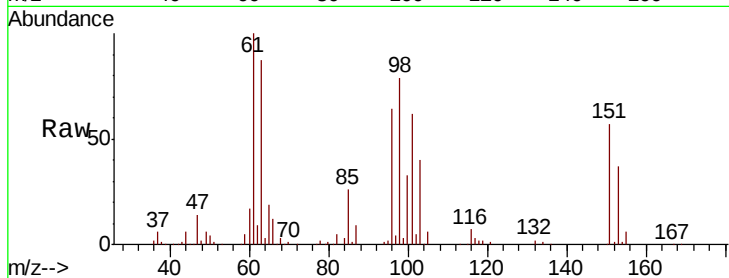
Tgt Ion: 101 Resp: 71006

Ion Ratio Lower Upper

101 100

85 42.2 32.7 49.1

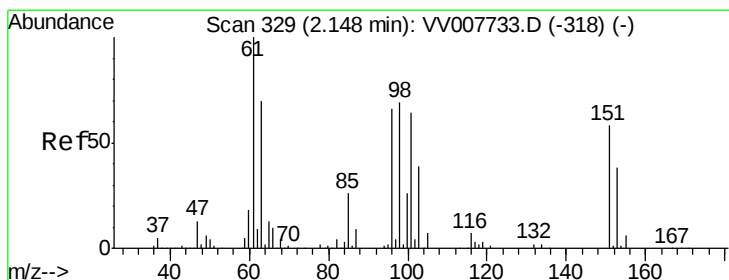
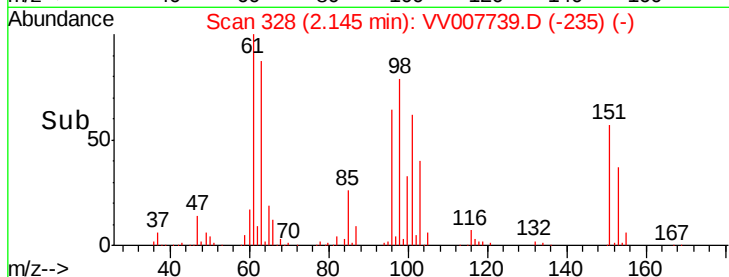
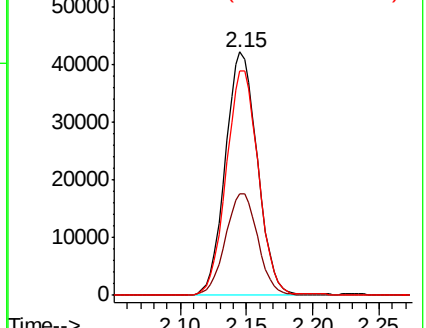
151 92.1 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007739.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV007739.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV007739.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 49.671 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

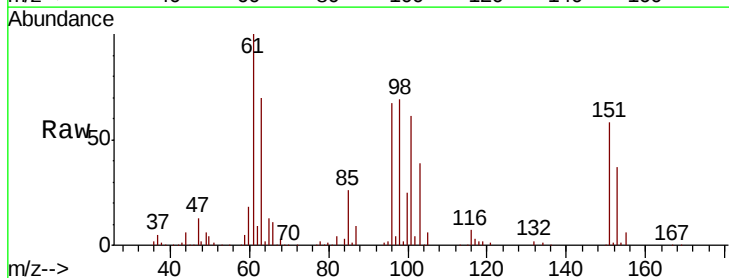
Tgt Ion: 96 Resp: 63960

Ion Ratio Lower Upper

96 100

61 150.1 107.3 199.3

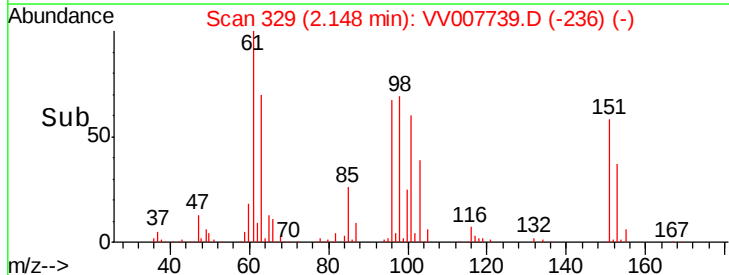
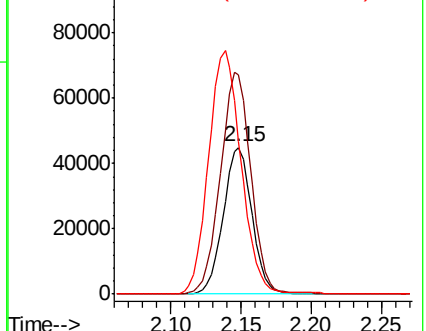
63 104.7 78.8 146.4

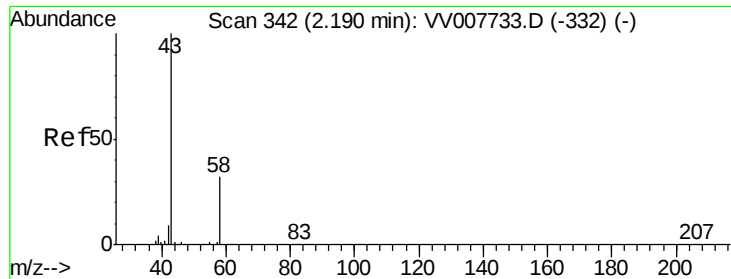


Abundance Ion 96.00 (95.70 to 96.70): VV007739.D (-236) (-)

Ion 61.00 (60.70 to 61.70): VV007739.D (-236) (-)

Ion 63.00 (62.70 to 63.70): VV007739.D (-236) (-)





#13

Acetone

Concen: 92.066 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

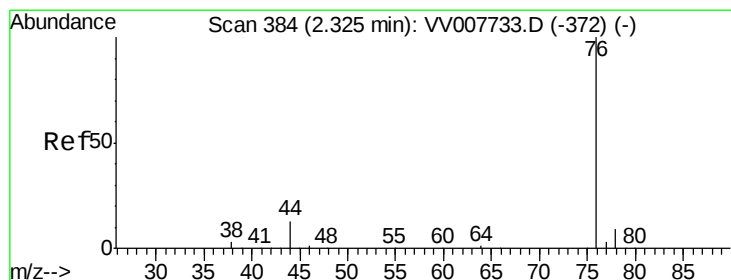
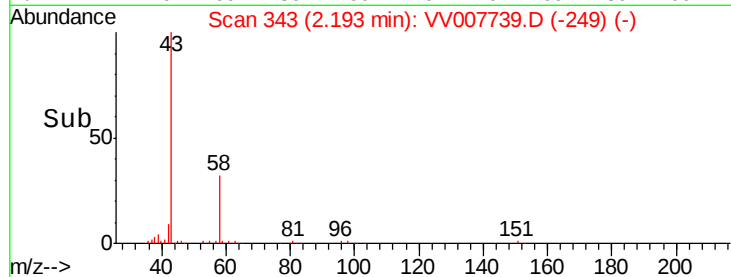
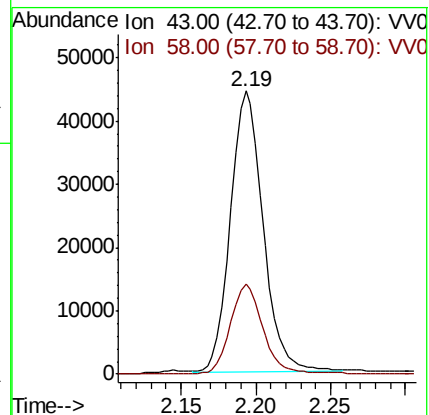
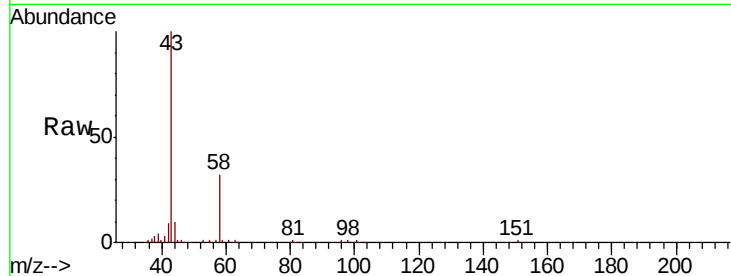
VSTD05069

Tgt Ion: 43 Resp: 67709

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.2



#14

Carbon disulfide

Concen: 46.946 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007739.D

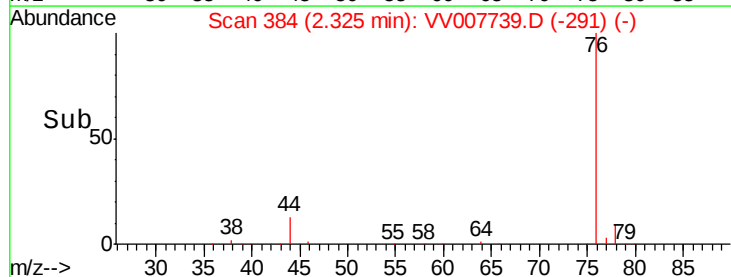
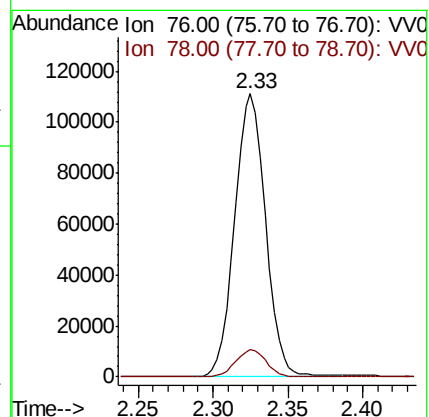
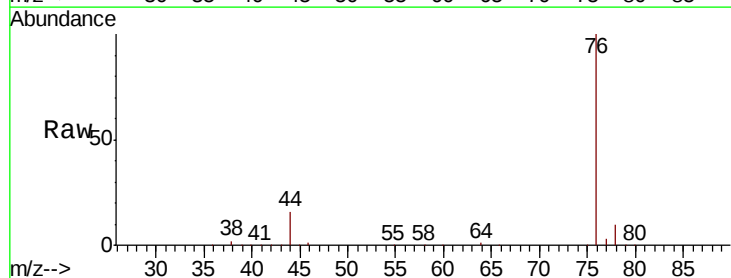
Acq: 22 Sep 2018 17:04

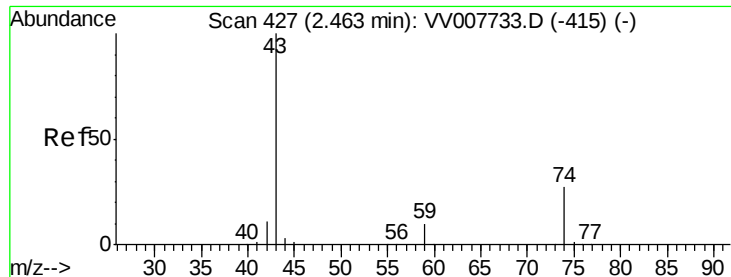
Tgt Ion: 76 Resp: 160139

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

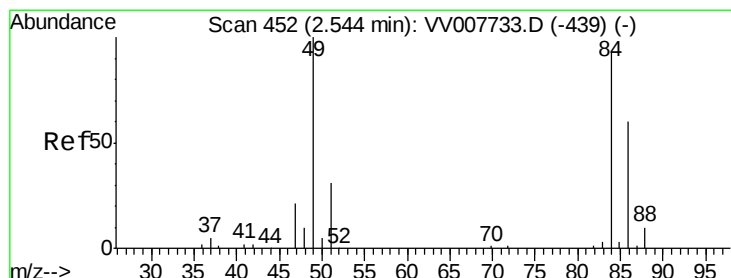
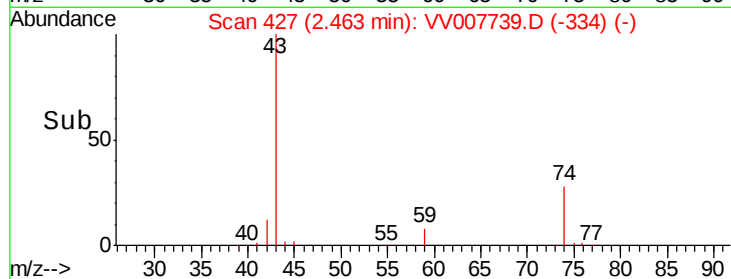
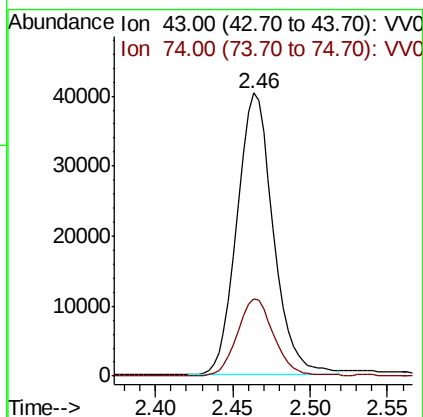
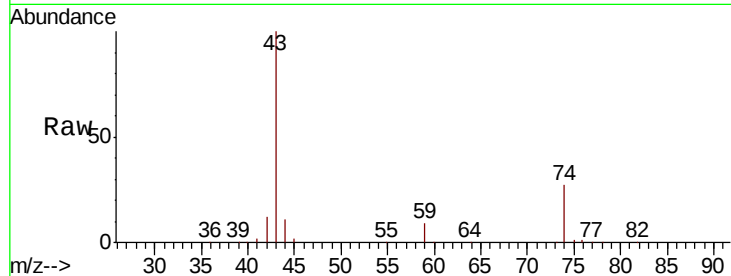




#15
Methyl Acetate
Concen: 50.263 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007739.D
Acq: 22 Sep 2018 17:04

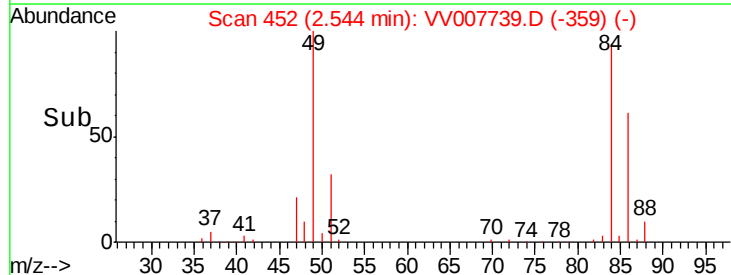
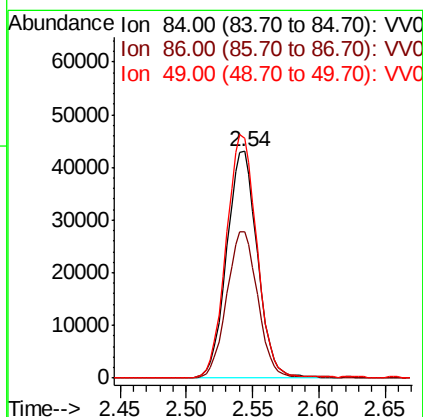
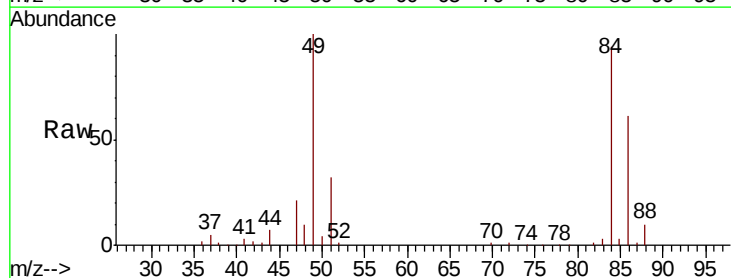
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

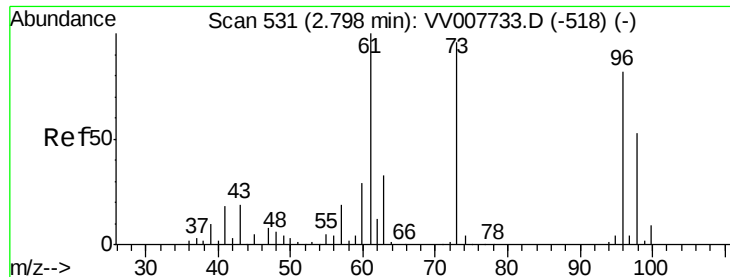
Tgt Ion: 43 Resp: 65432
Ion Ratio Lower Upper
43 100
74 27.9 22.2 33.2



#16
Methylene chloride
Concen: 49.283 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV007739.D
Acq: 22 Sep 2018 17:04

Tgt Ion: 84 Resp: 69602
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.4
49 105.9 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 48.395 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

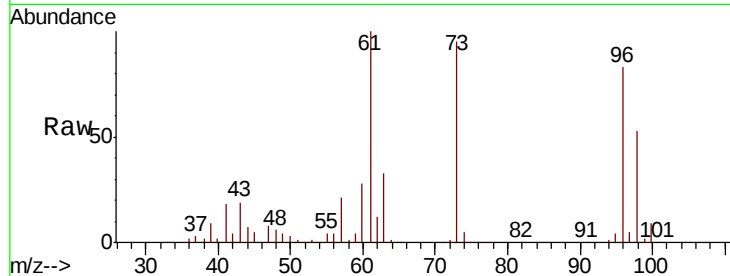
Tgt Ion: 96 Resp: 70301

Ion Ratio Lower Upper

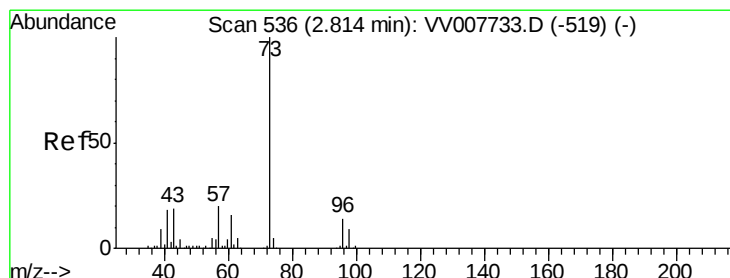
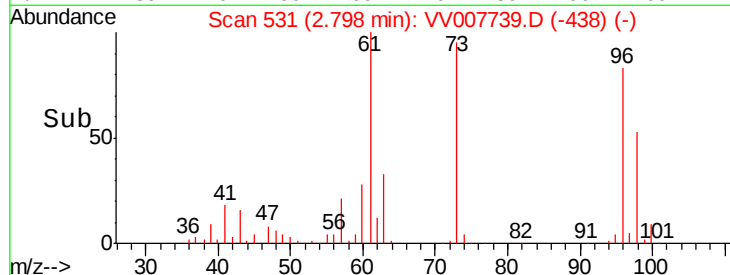
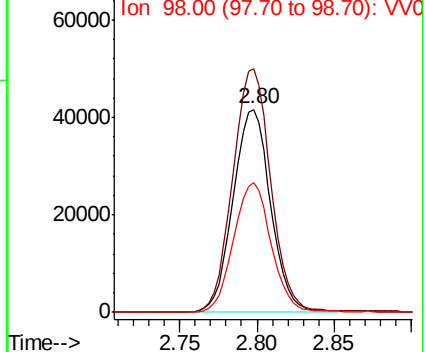
96 100

61 119.8 84.9 157.7

98 63.6 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: 50.414 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

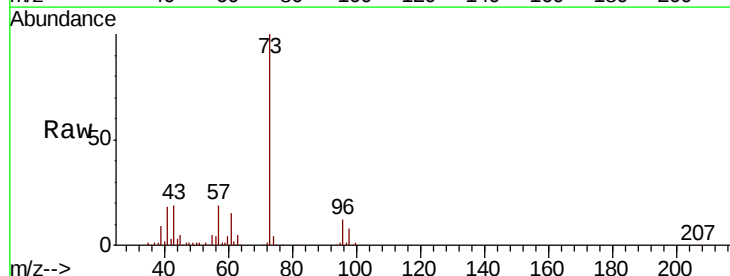
Tgt Ion: 73 Resp: 216116

Ion Ratio Lower Upper

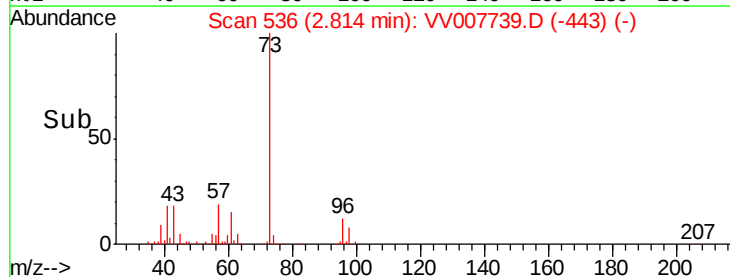
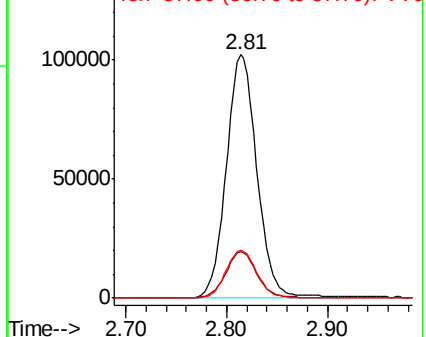
73 100

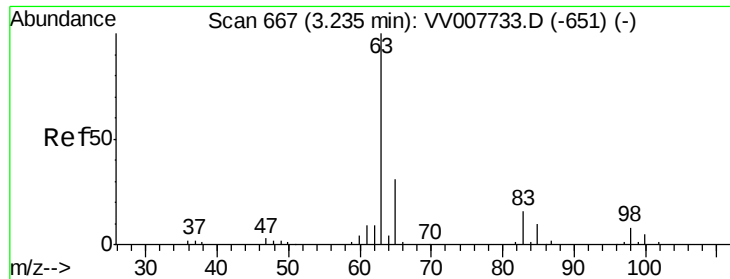
43 19.1 15.0 22.6

57 20.0 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

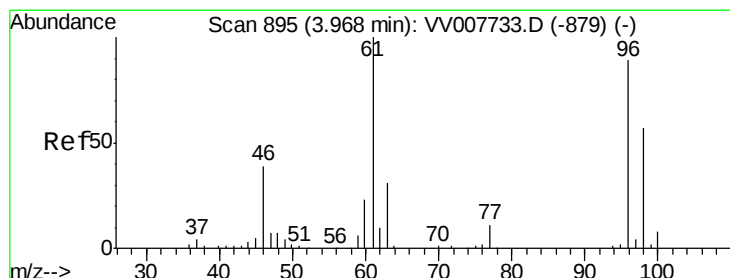
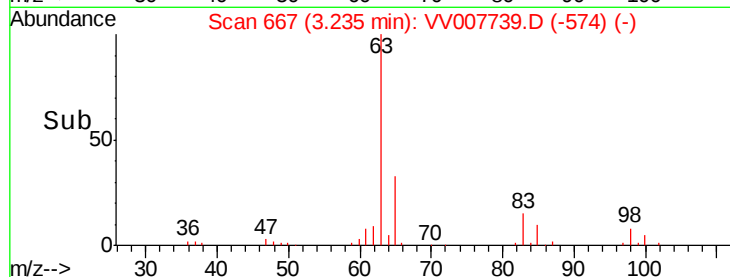
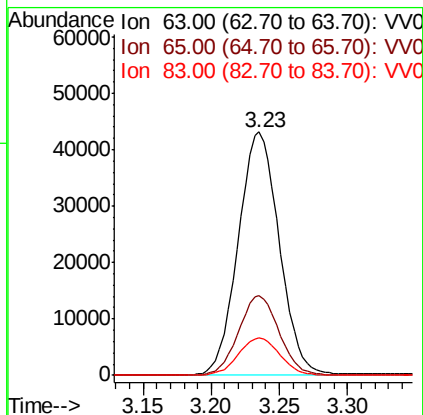
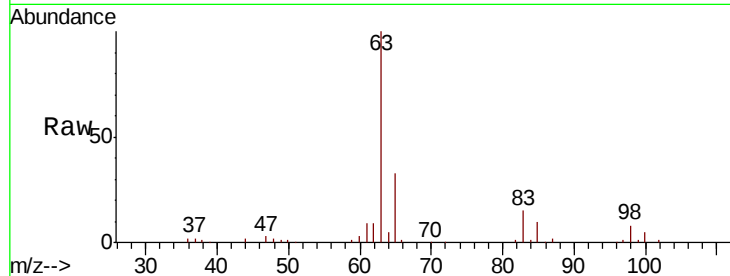




#19
 1,1-Dichloroethane
 Concen: 49.164 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

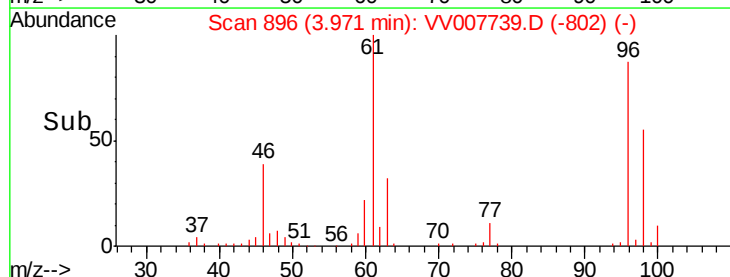
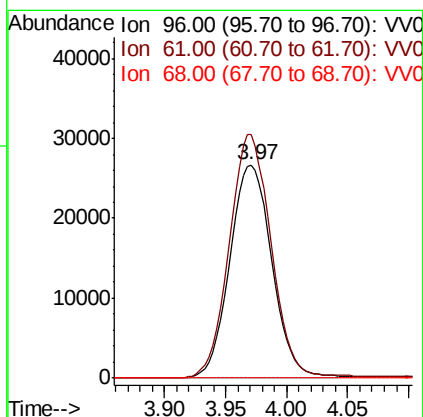
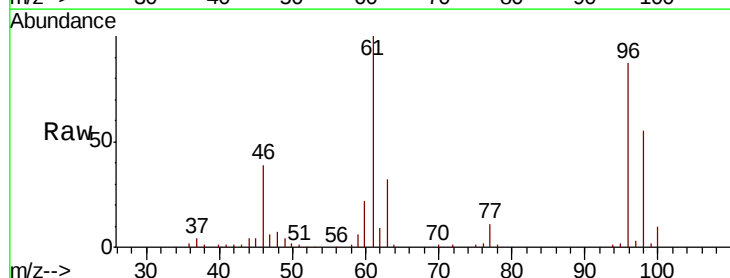
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

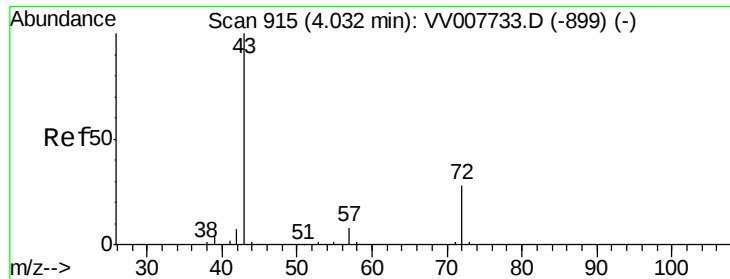
Tgt Ion: 63 Resp: 90234
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.2
 83 15.4 11.2 20.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.147 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Tgt Ion: 96 Resp: 64031
 Ion Ratio Lower Upper
 96 100
 61 114.3 78.8 146.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.636 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

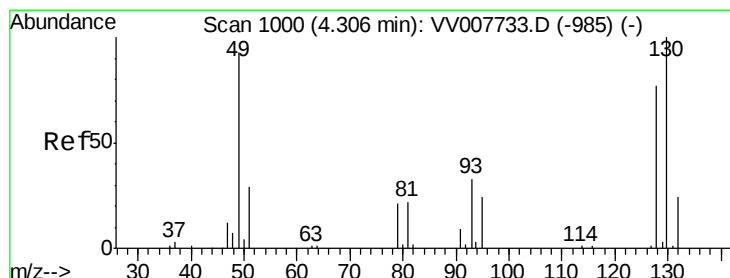
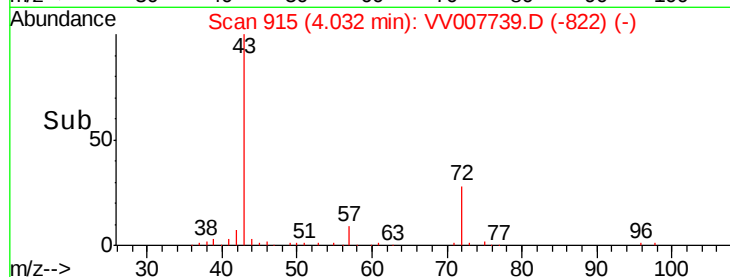
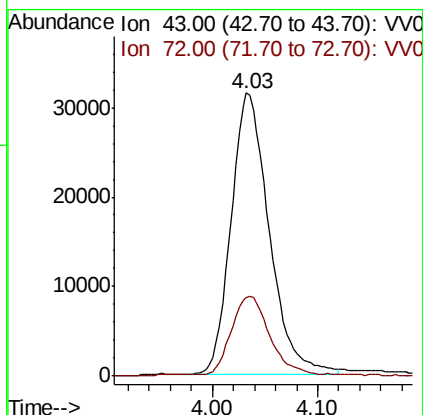
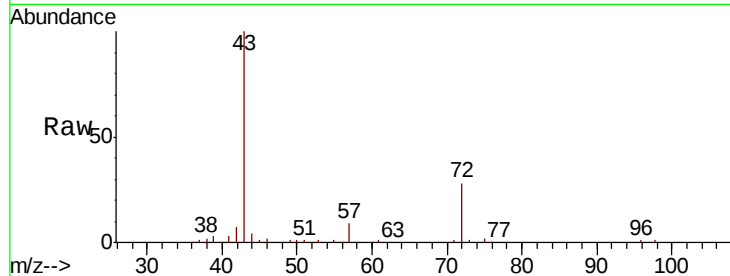
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion: 43 Resp: 79319

Ion Ratio Lower Upper

43 100

72 27.9 14.2 42.6



#23

Bromochloromethane

Concen: 51.227 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Tgt Ion: 128 Resp: 36988

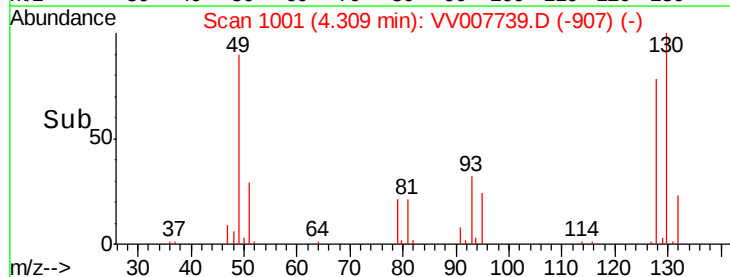
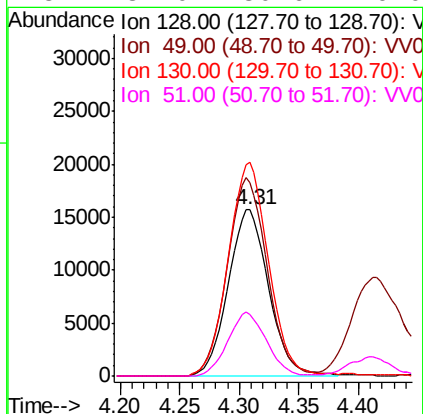
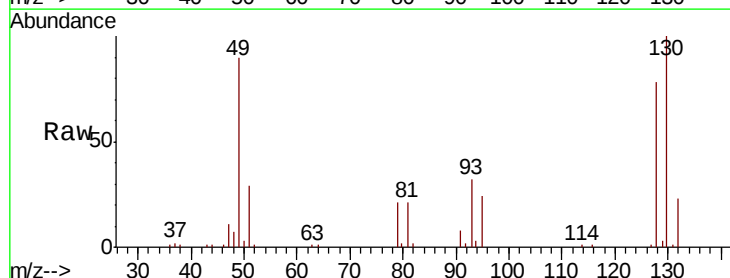
Ion Ratio Lower Upper

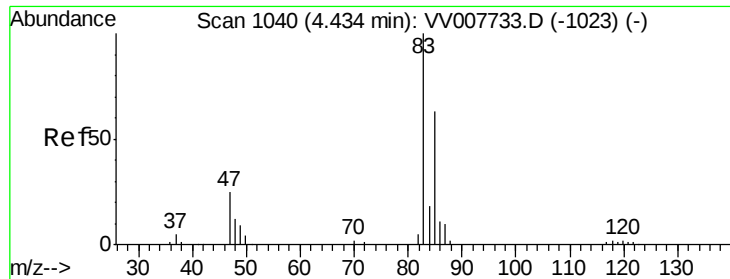
128 100

49 116.3 84.8 157.4

130 128.7 90.9 168.9

51 37.0 30.6 46.0

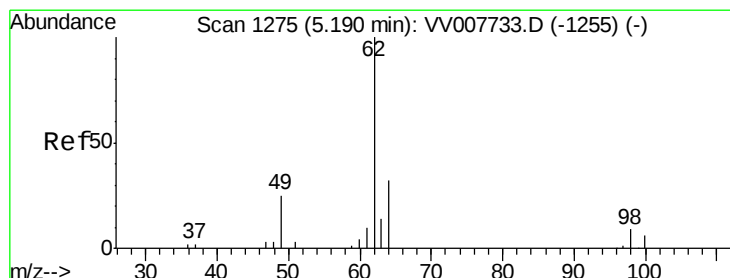
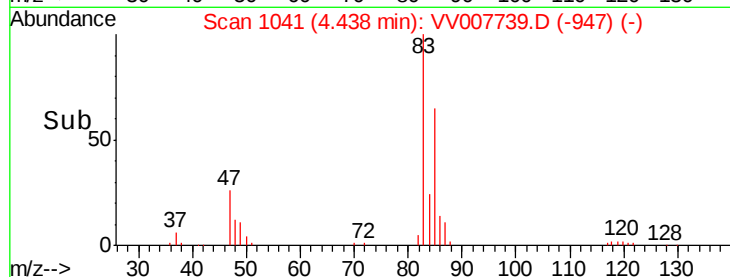
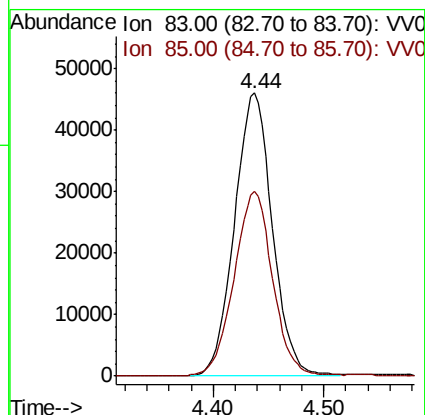
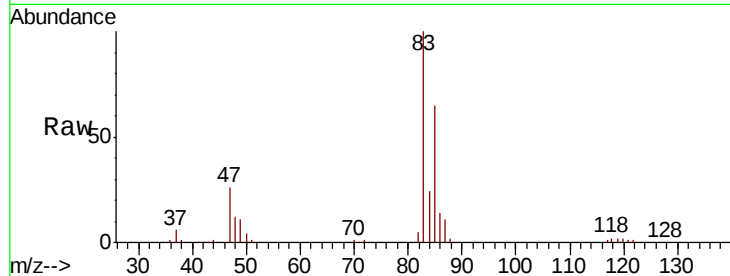




#25
Chloroform
Concen: 50.347 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007739.D
Acq: 22 Sep 2018 17:04

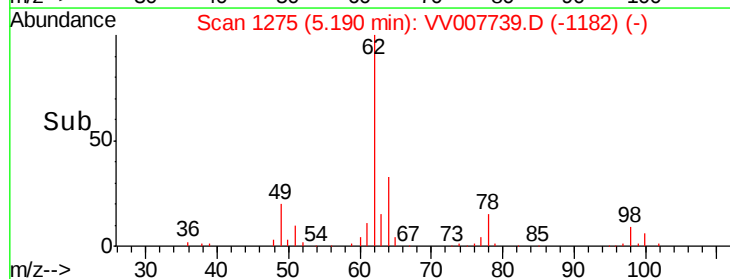
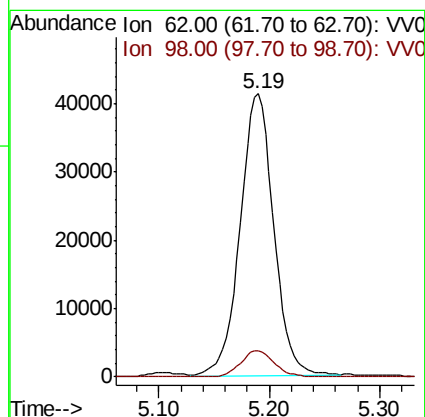
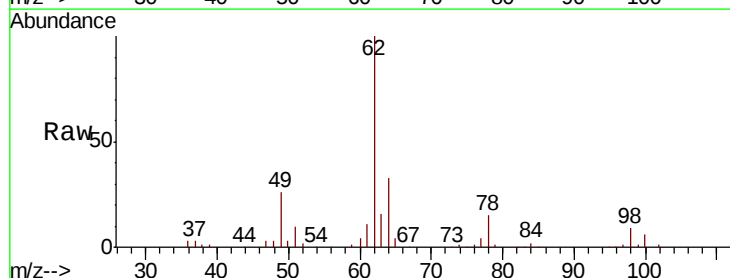
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

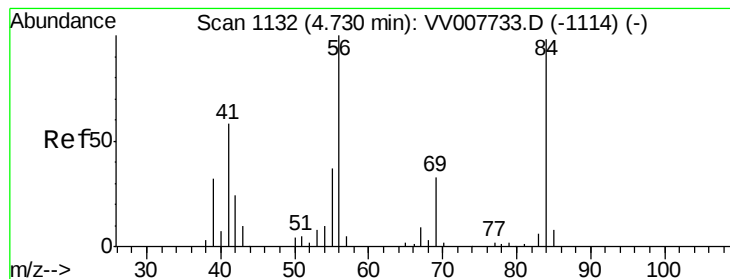
Tgt Ion: 83 Resp: 109540
Ion Ratio Lower Upper
83 100
85 65.4 44.0 81.8



#27
1,2-Dichloroethane
Concen: 49.264 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007739.D
Acq: 22 Sep 2018 17:04

Tgt Ion: 62 Resp: 86940
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3





#29

Cyclohexane

Concen: 48.527 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

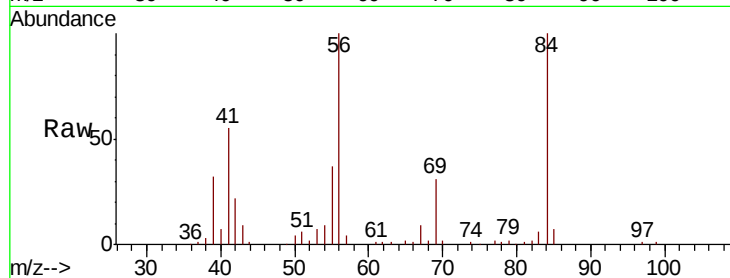
Tgt Ion: 56 Resp: 80144

Ion Ratio Lower Upper

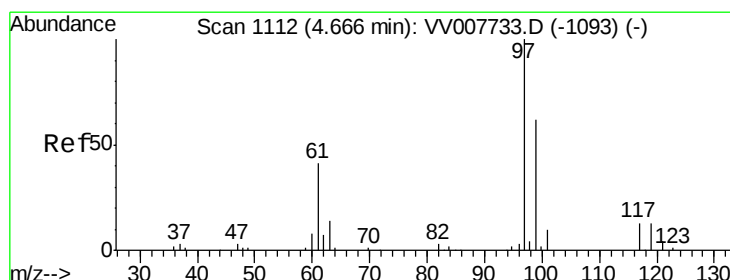
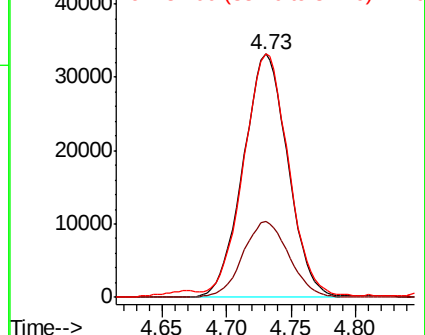
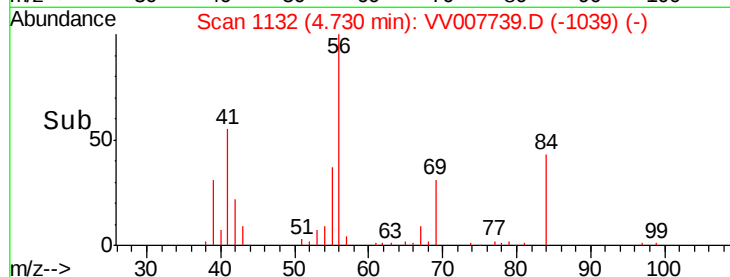
56 100

69 31.9 26.1 39.1

84 98.9 79.7 119.5



Abundance Ion 56.00 (55.70 to 56.70): VV007739.D (-1039) (-)



#30

1,1,1-Trichloroethane

Concen: 49.451 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

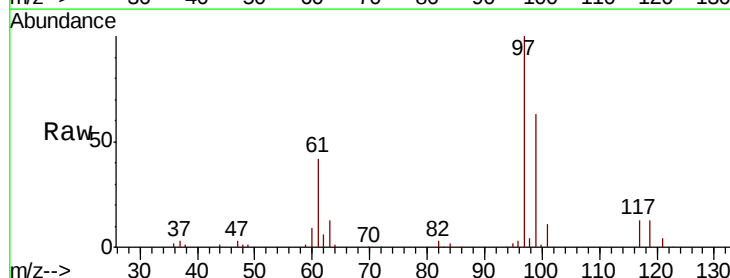
Tgt Ion: 97 Resp: 99947

Ion Ratio Lower Upper

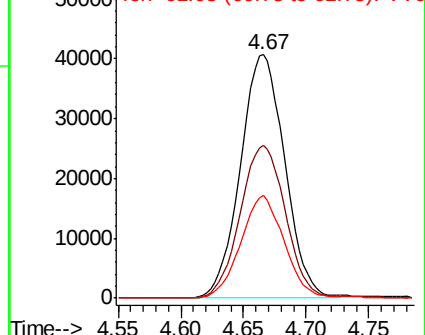
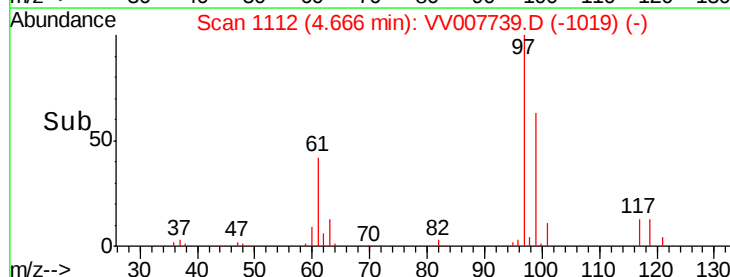
97 100

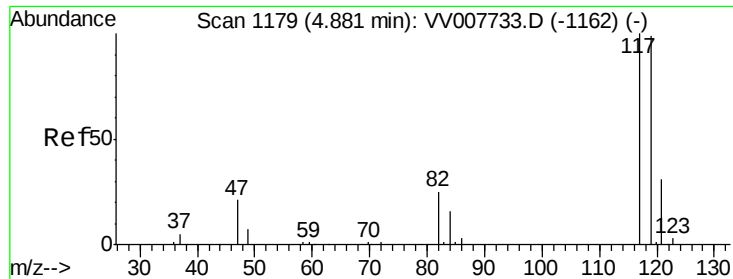
99 63.8 51.8 77.8

61 41.0 33.0 49.4



Abundance Ion 97.00 (96.70 to 97.70): VV007739.D (-1019) (-)





#31

Carbon tetrachloride

Concen: 49.568 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

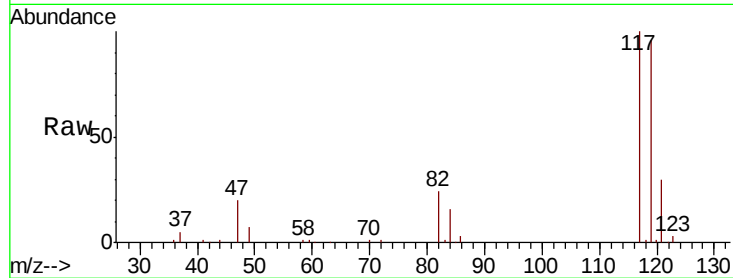
VSTD05069

Tgt Ion:117 Resp: 92563

Ion Ratio Lower Upper

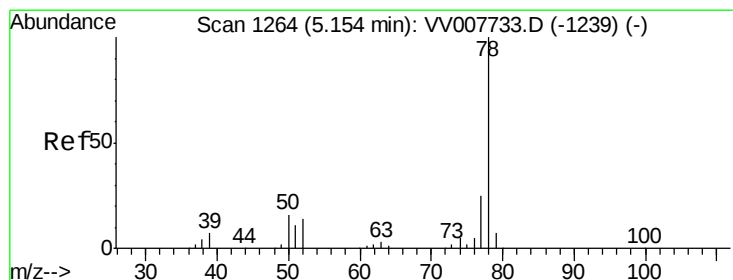
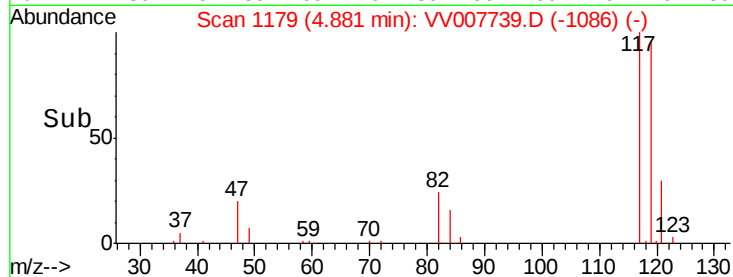
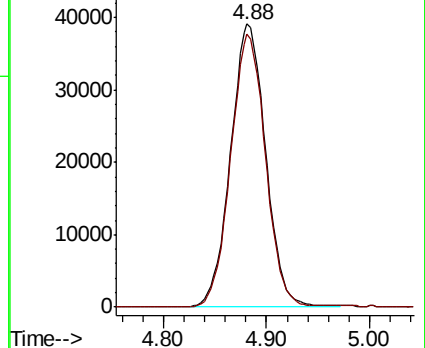
117 100

119 95.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.346 ug/L

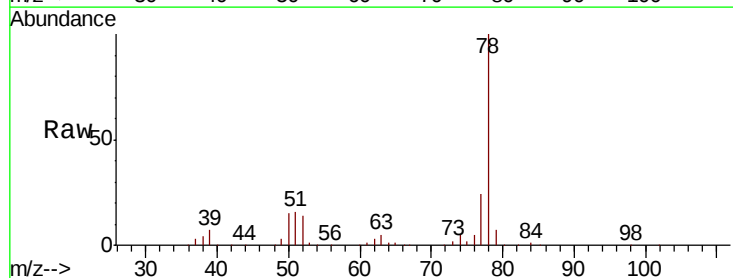
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

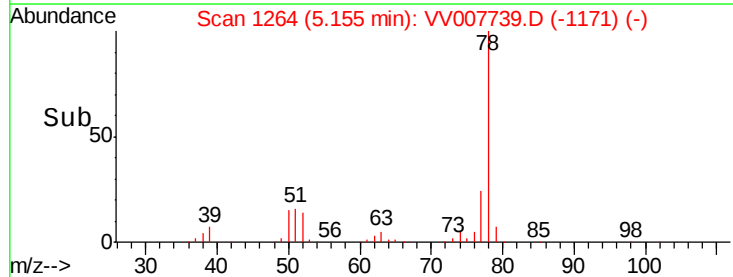
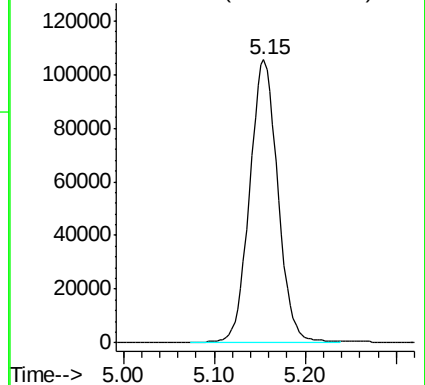
Lab File: VV007739.D

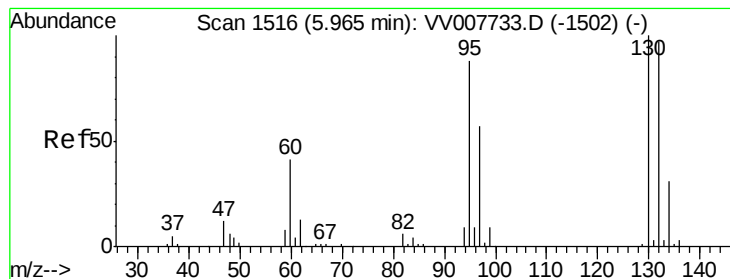
Acq: 22 Sep 2018 17:04

Tgt Ion: 78 Resp: 227754



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.841 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tgt Ion: 95 Resp: 65343

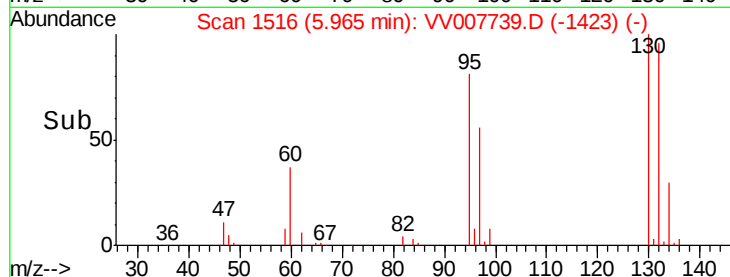
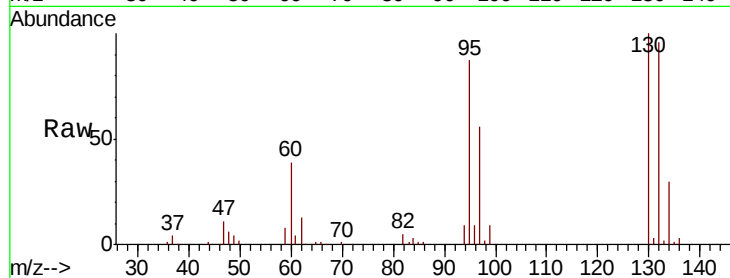
Ion Ratio Lower Upper

95 100

97 64.0 45.2 84.0

132 109.9 77.7 144.3

130 114.6 79.7 148.1

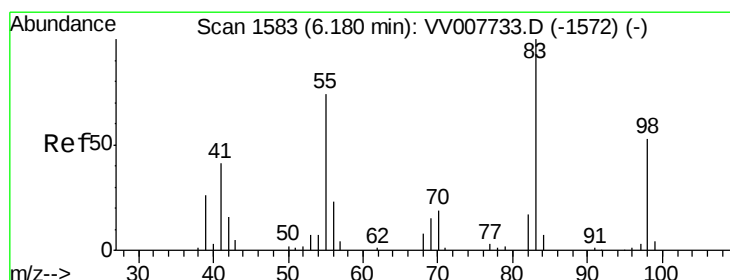
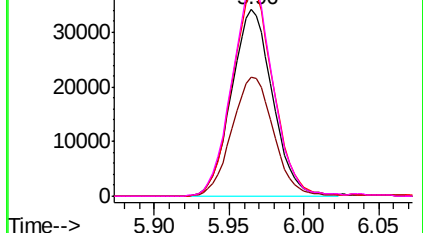


Abundance Ion 95.00 (94.70 to 95.70): VV007739.D (-1423) (-)

Ion 97.00 (96.70 to 97.70): VV007739.D (-1423) (-)

Ion 132.00 (131.70 to 132.70): VV007739.D (-1423) (-)

Ion 130.00 (129.70 to 130.70): VV007739.D (-1423) (-)



#35

Methylcyclohexane

Concen: 48.970 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

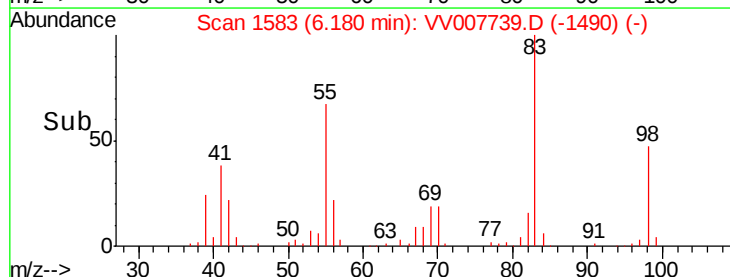
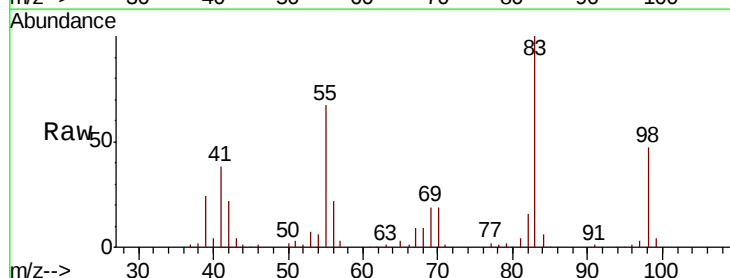
Tgt Ion: 83 Resp: 100347

Ion Ratio Lower Upper

83 100

55 67.4 54.6 82.0

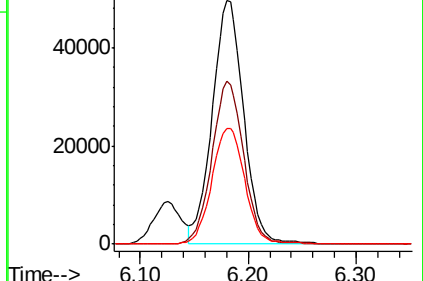
98 50.2 39.0 58.6

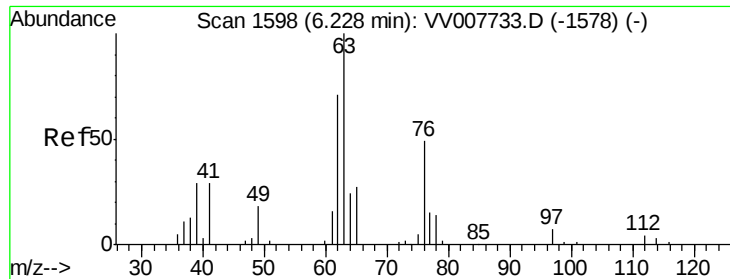


Abundance Ion 83.00 (82.70 to 83.70): VV007739.D (-1490) (-)

Ion 55.00 (54.70 to 55.70): VV007739.D (-1490) (-)

Ion 98.00 (97.70 to 98.70): VV007739.D (-1490) (-)

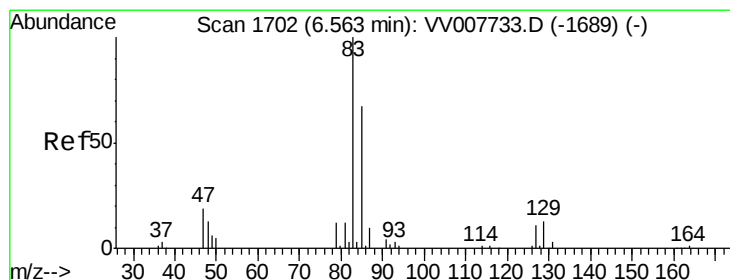
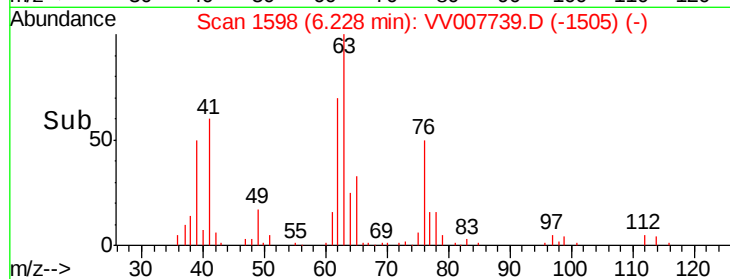
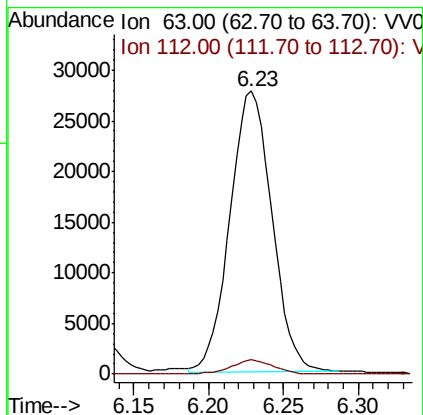
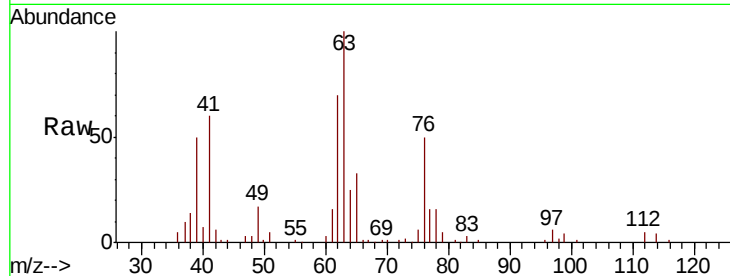




#37
 1,2-Dichloropropane
 Concen: 47.794 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

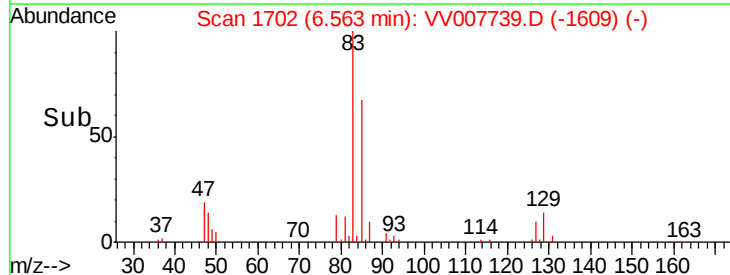
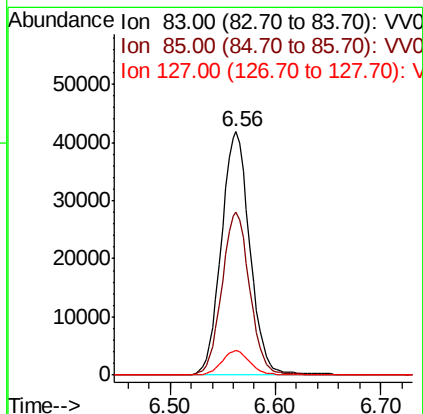
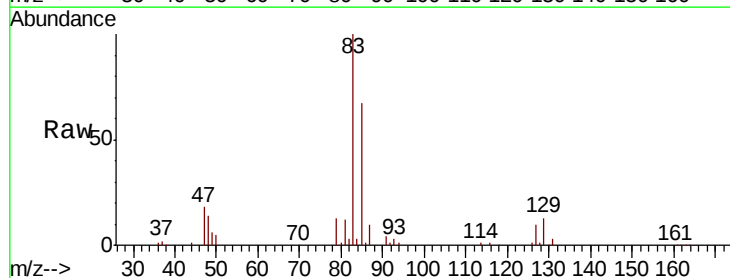
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

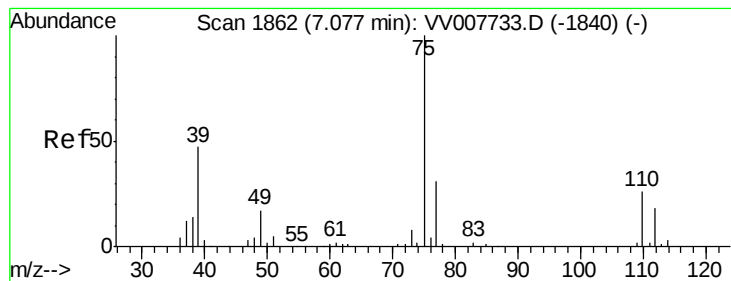
Tgt Ion: 63 Resp: 54436
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.006 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Tgt Ion: 83 Resp: 78302
 Ion Ratio Lower Upper
 83 100
 85 67.1 46.6 86.6
 127 10.2 8.7 13.1



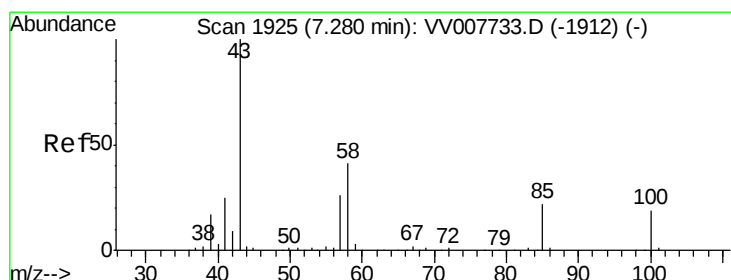
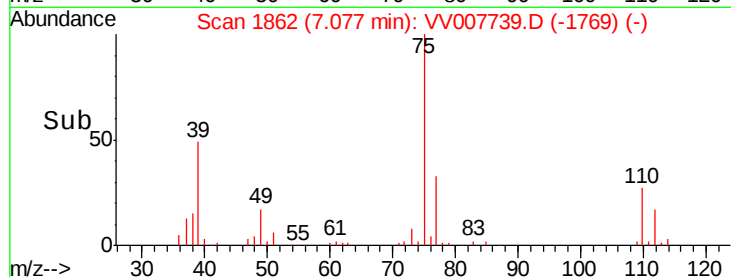
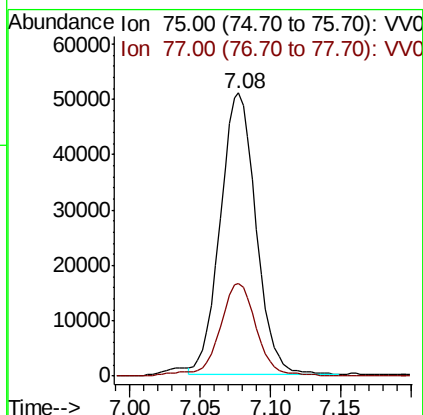
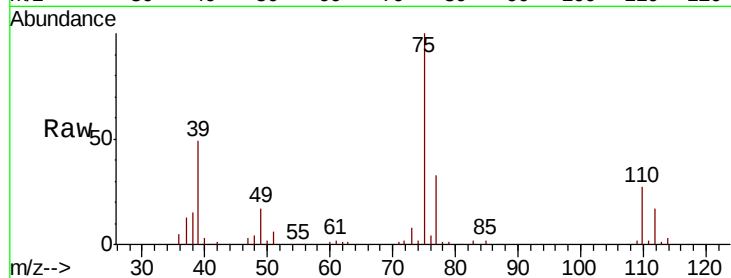


#39

cis-1,3-Dichloropropene
 Concen: 48.701 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

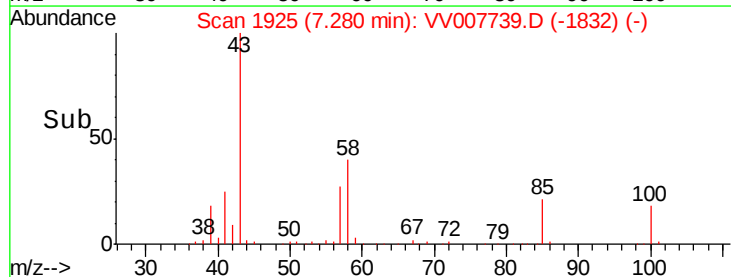
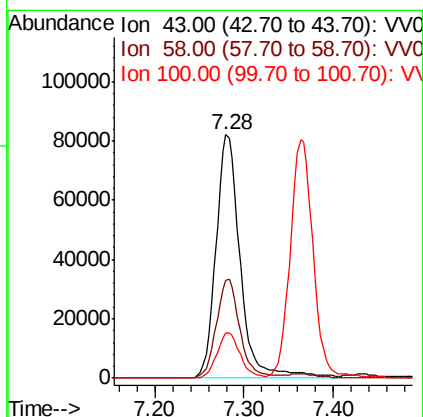
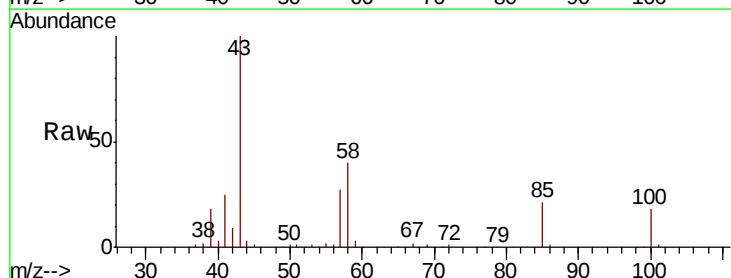
Tgt Ion: 75 Resp: 89169
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.0 40.8

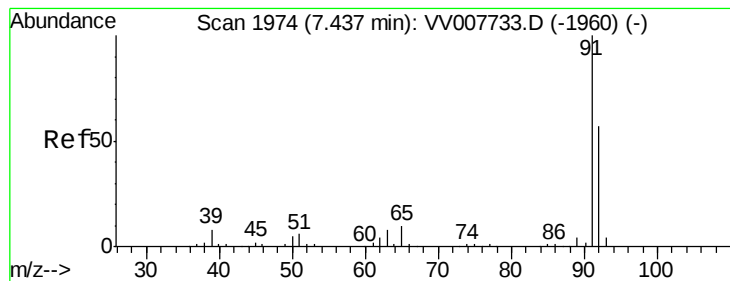


#40

4-Methyl-2-pentanone
 Concen: 103.036 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Tgt Ion: 43 Resp: 155190
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.5 47.3
 100 17.8 14.7 22.1





#42

Toluene

Concen: 49.583 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

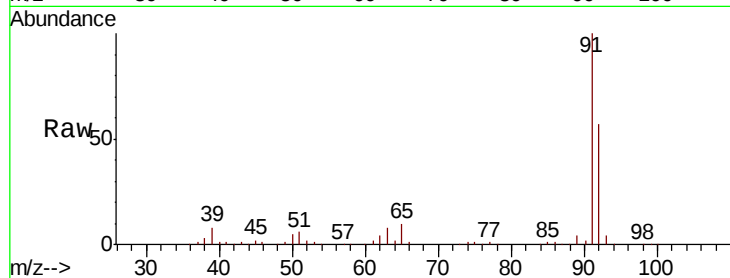
VSTD05069

Tgt Ion: 91 Resp: 265876

Ion Ratio Lower Upper

91 100

92 57.0 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007739.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007739.D (-1960) (-)

7.44

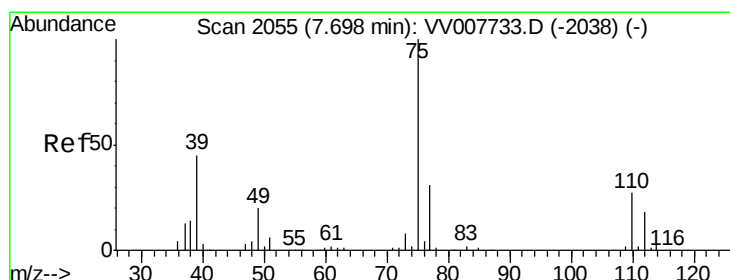
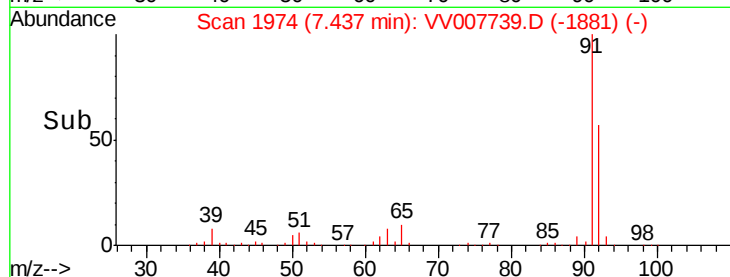
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.315 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007739.D

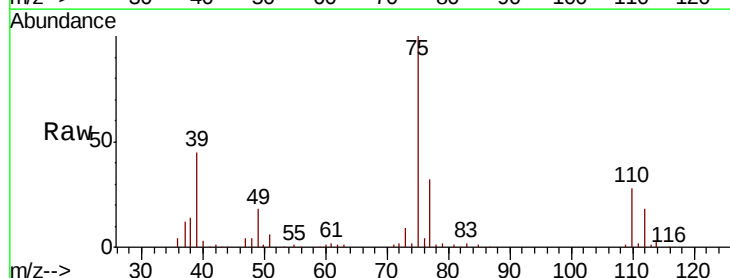
Acq: 22 Sep 2018 17:04

Tgt Ion: 75 Resp: 89203

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV007739.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007739.D (-2038) (-)

7.70

60000

50000

40000

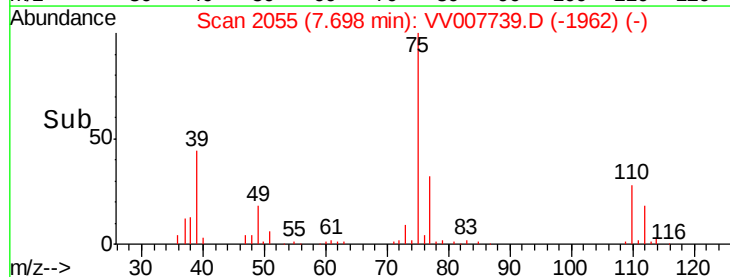
30000

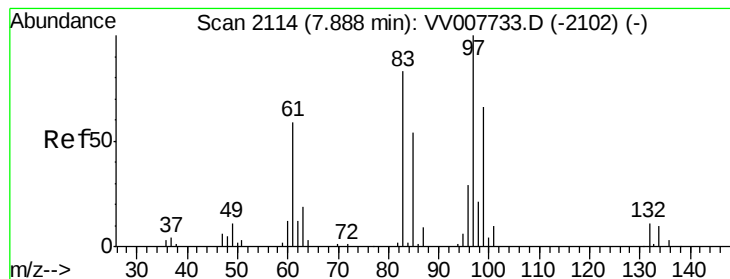
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 49.487 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampled :

VSTD05069

Tgt Ion: 97 Resp: 63338

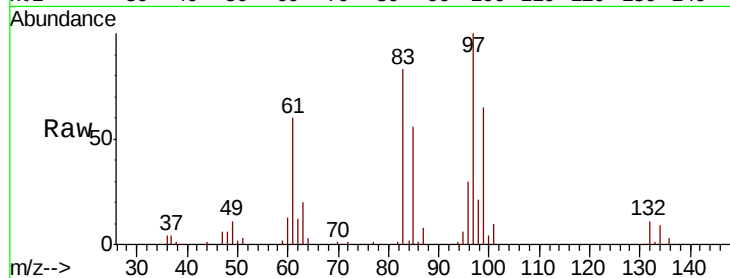
Ion Ratio Lower Upper

97 100

99 65.2 45.8 85.2

83 83.2 58.2 108.0

85 56.3 38.0 70.6

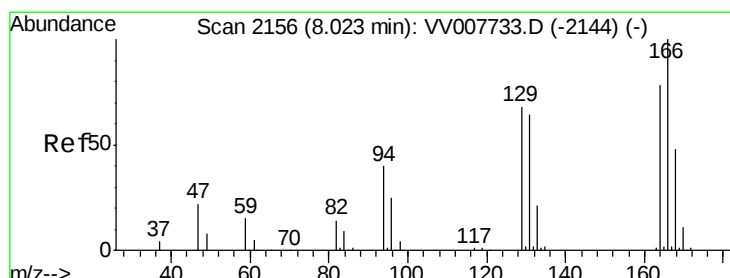
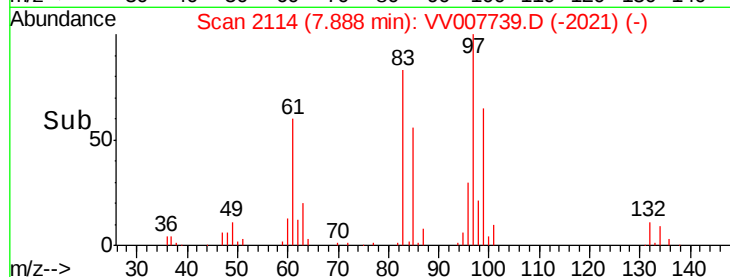
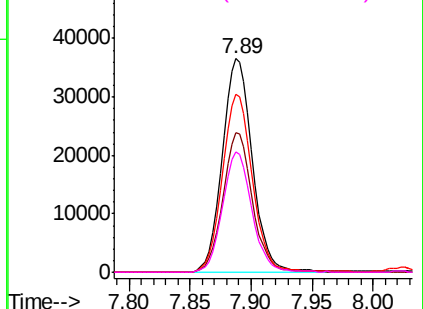


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 48.108 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Tgt Ion: 164 Resp: 65873

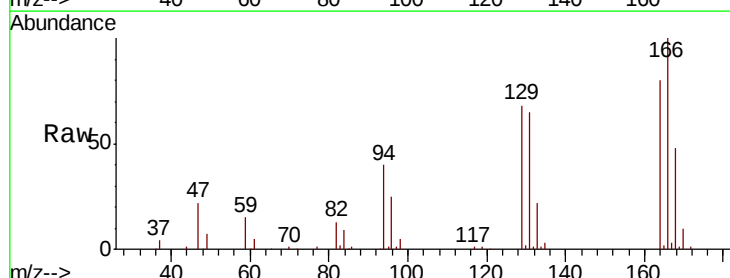
Ion Ratio Lower Upper

164 100

129 86.0 61.0 113.4

131 81.6 57.8 107.4

166 125.7 89.9 167.0

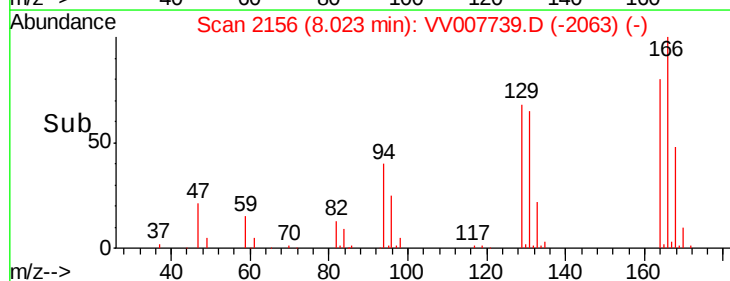
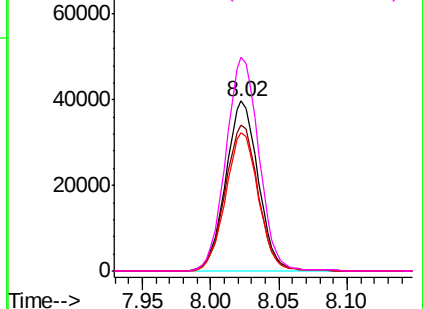


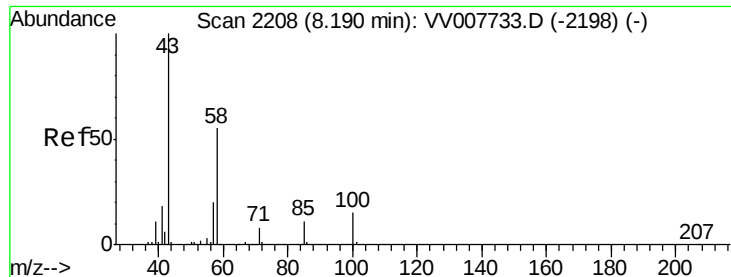
Abundance Ion 164.00 (163.70 to 164.70): V

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

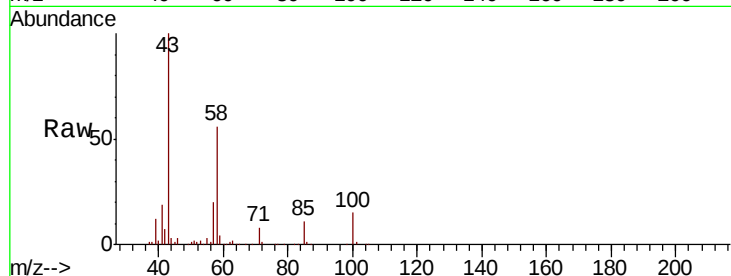




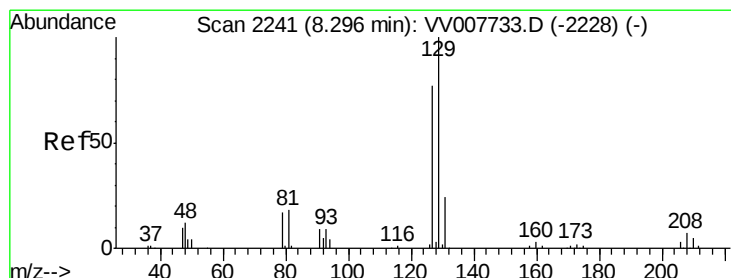
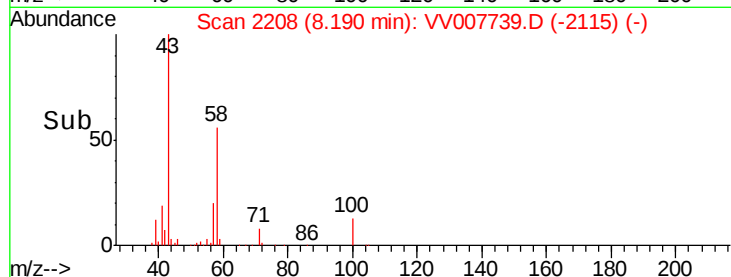
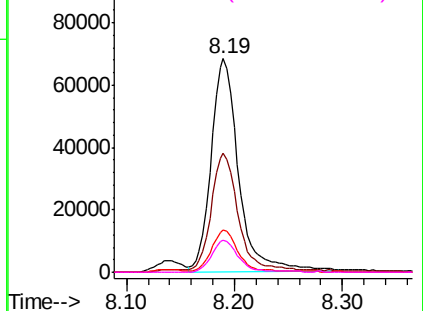
#48
2-Hexanone
Concen: 103.885 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007739.D
Acq: 22 Sep 2018 17:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion:	43	Resp:	120528
Ion	Ratio	Lower	Upper
43	100		
58	54.4	41.4	62.0
57	18.3	16.0	24.0
100	14.3	11.9	17.9

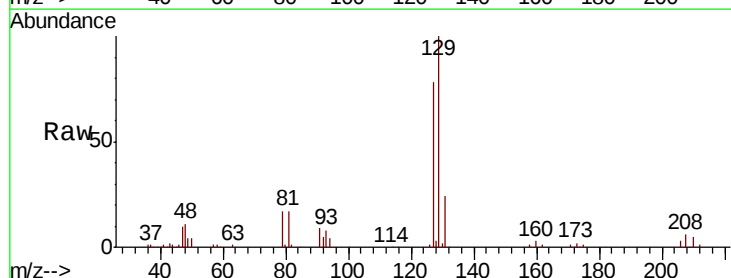


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

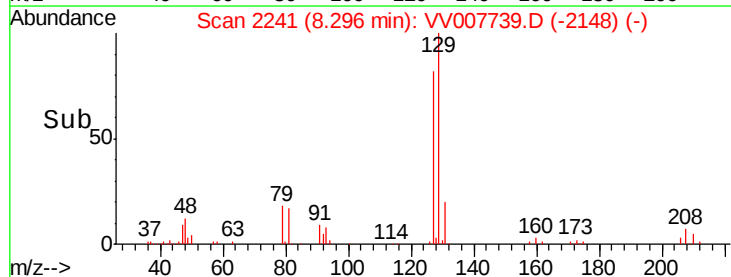
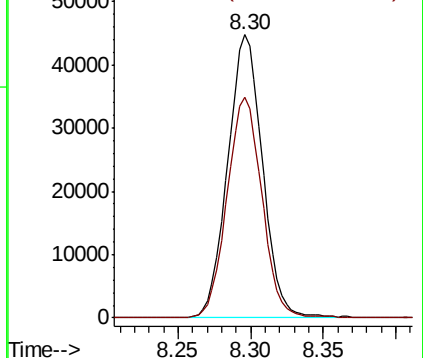


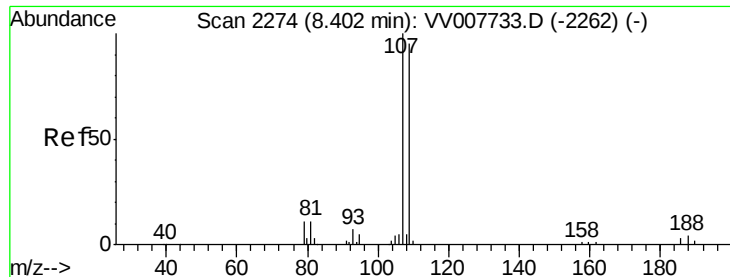
#49
Dibromochloromethane
Concen: 51.287 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007739.D
Acq: 22 Sep 2018 17:04

Tgt Ion:	129	Resp:	74483
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.0	100.2



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

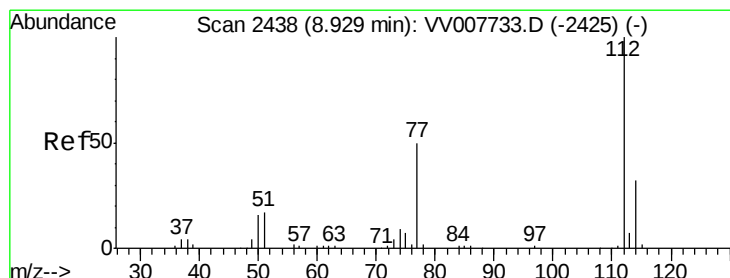
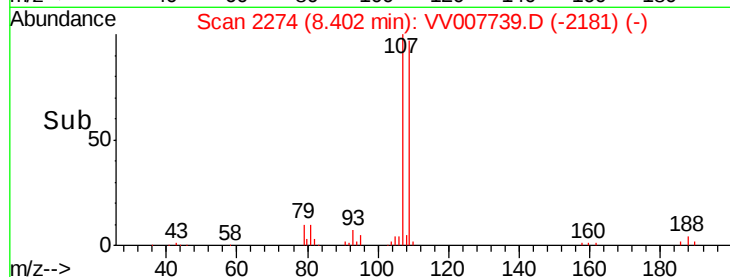
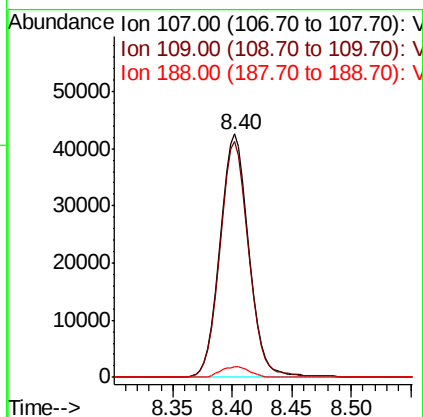
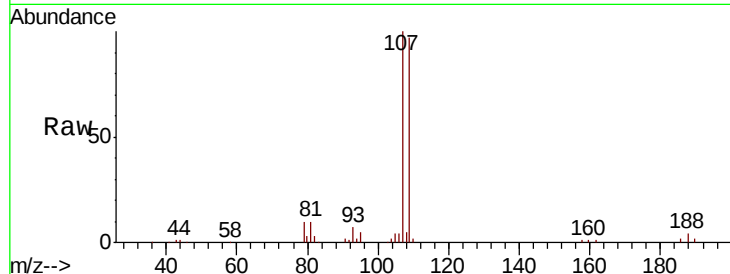




#50
 1,2-Dibromoethane
 Concen: 49.857 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

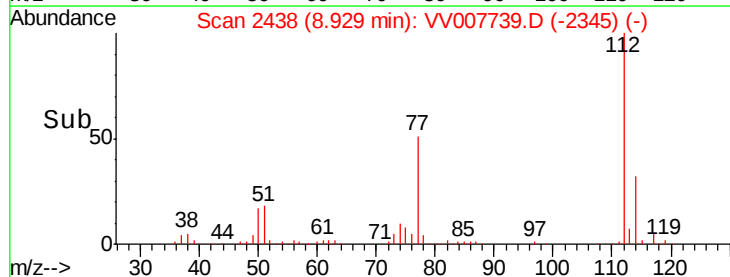
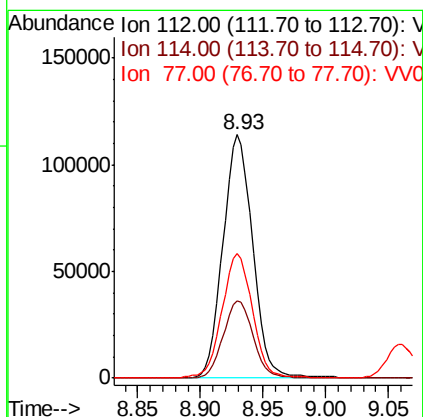
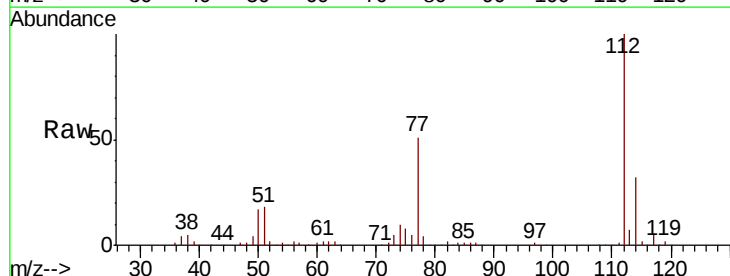
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

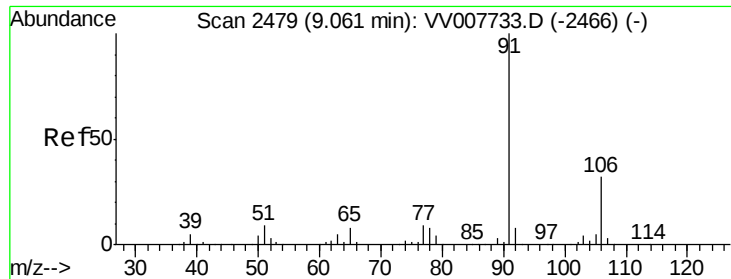
Tgt Ion:107 Resp: 71637
 Ion Ratio Lower Upper
 107 100
 109 96.8 66.4 123.2
 188 4.2 3.5 5.3



#51
 Chlorobenzene
 Concen: 48.607 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Tgt Ion:112 Resp: 187746
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.3 41.3
 77 51.3 40.6 60.8





#52

Ethylbenzene

Concen: 49.474 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

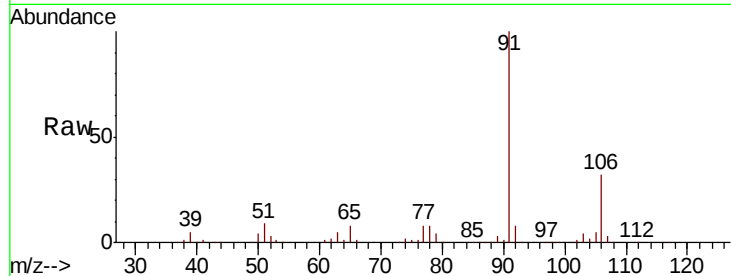
VSTD05069

Tgt Ion: 91 Resp: 299913

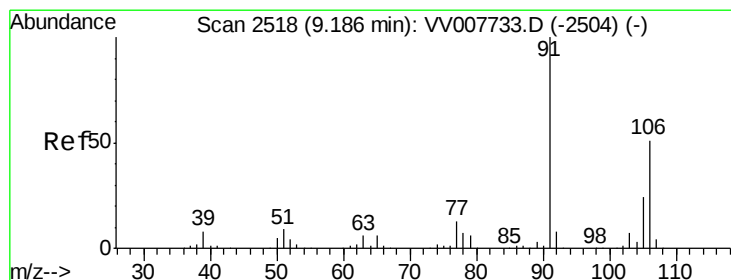
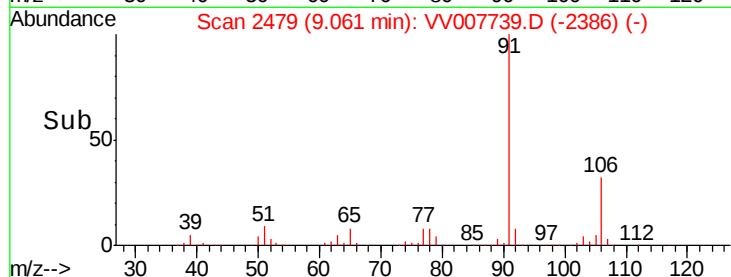
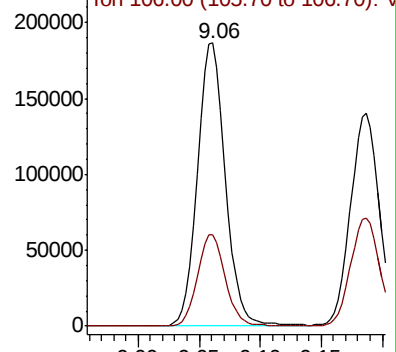
Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007739.D (-2466) (-)



#53

m,p-Xylene

Concen: 48.807 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007739.D

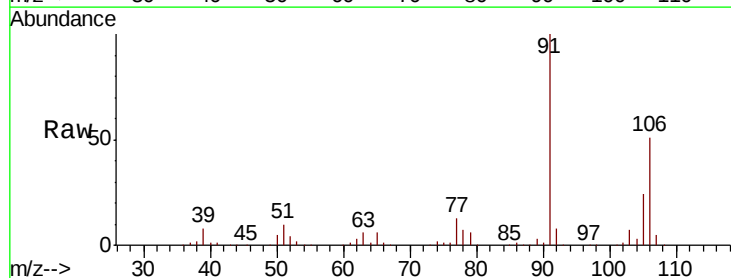
Acq: 22 Sep 2018 17:04

Tgt Ion: 106 Resp: 118402

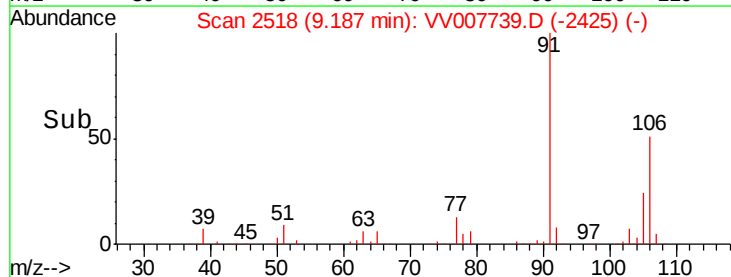
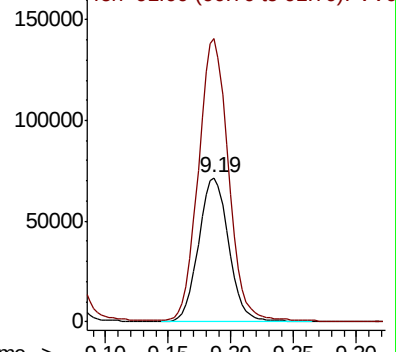
Ion Ratio Lower Upper

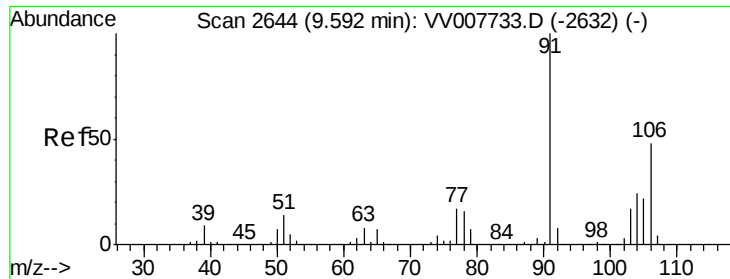
106 100

91 196.5 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007739.D (-2504) (-)





#54

o-xylene

Concen: 49.609 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

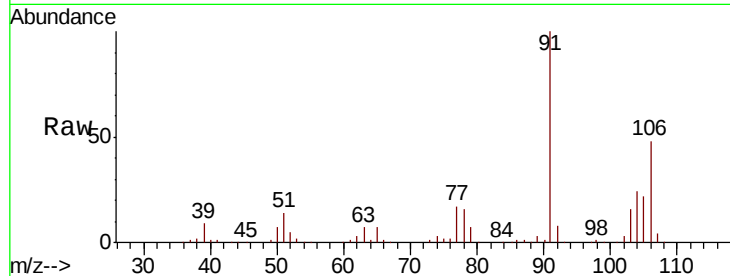
VSTD05069

Tgt Ion:106 Resp: 117400

Ion Ratio Lower Upper

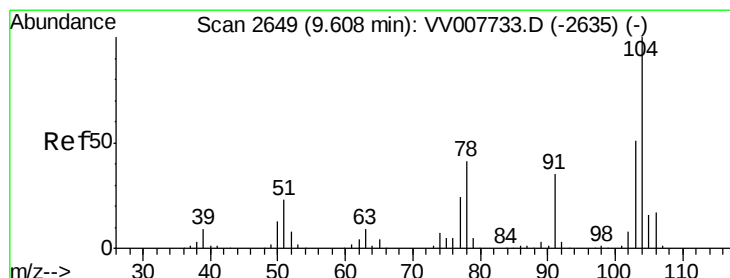
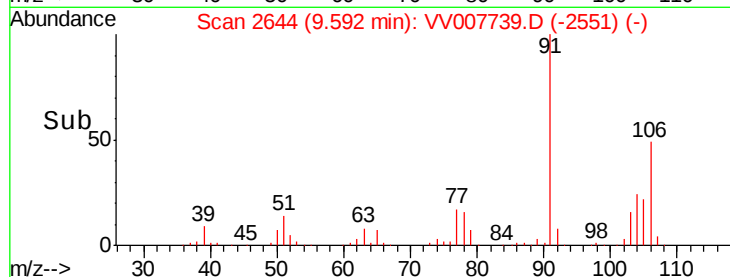
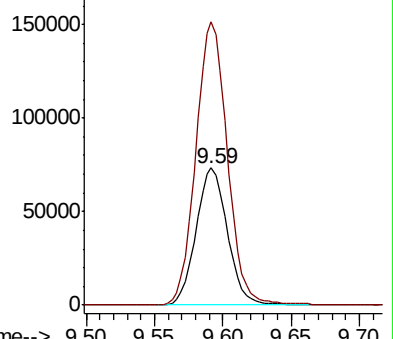
106 100

91 206.2 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.159 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007739.D

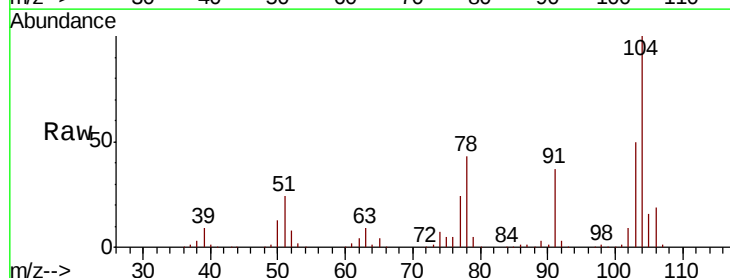
Acq: 22 Sep 2018 17:04

Tgt Ion:104 Resp: 202510

Ion Ratio Lower Upper

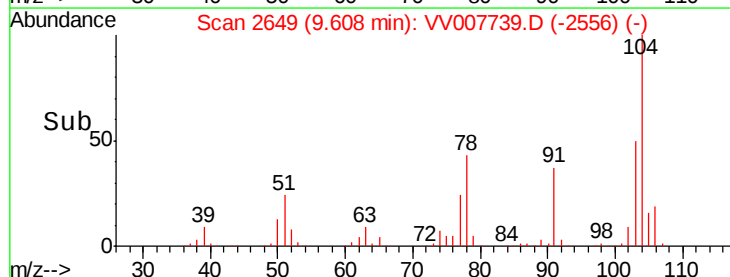
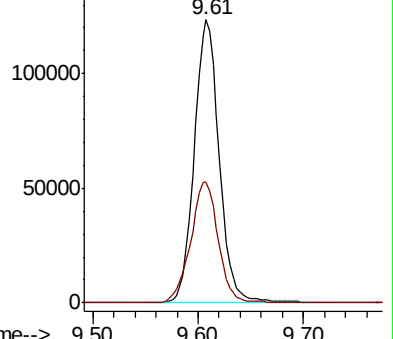
104 100

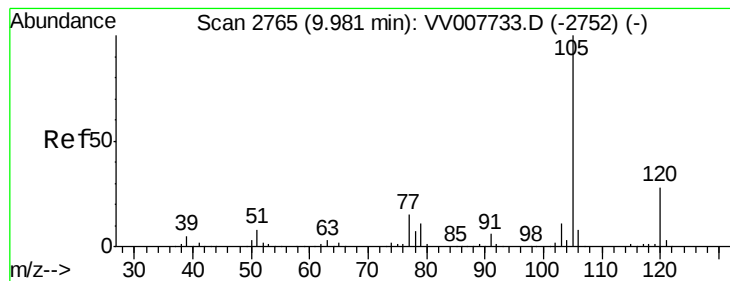
78 42.7 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.849 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

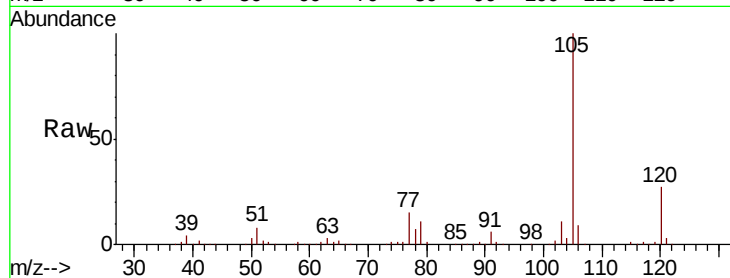
Tgt Ion:105 Resp: 318107

Ion Ratio Lower Upper

105 100

120 27.4 22.0 33.0

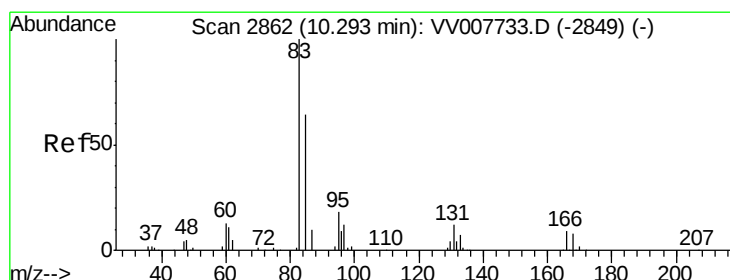
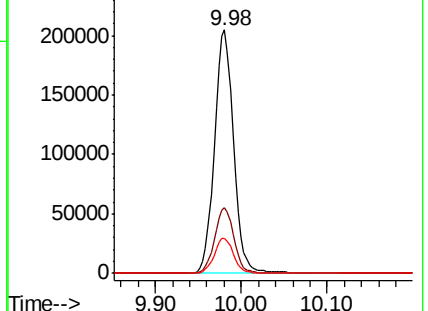
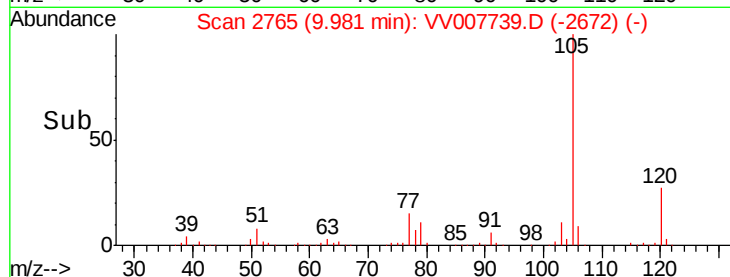
77 14.6 12.1 18.1



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: 49.641 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

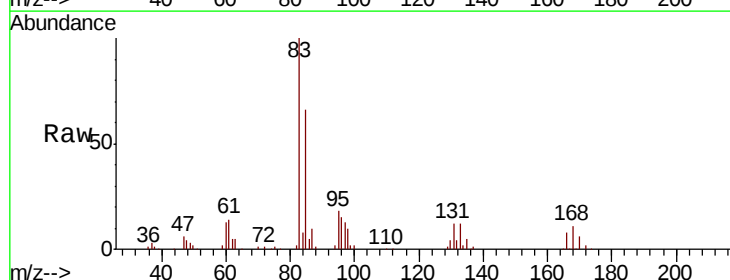
Tgt Ion: 83 Resp: 101097

Ion Ratio Lower Upper

83 100

85 66.3 45.4 84.4

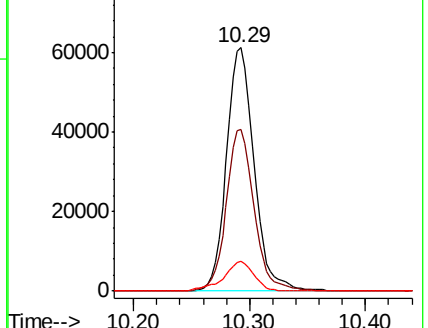
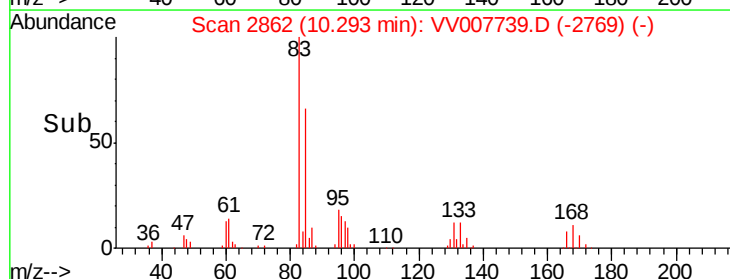
131 12.3 9.8 14.8

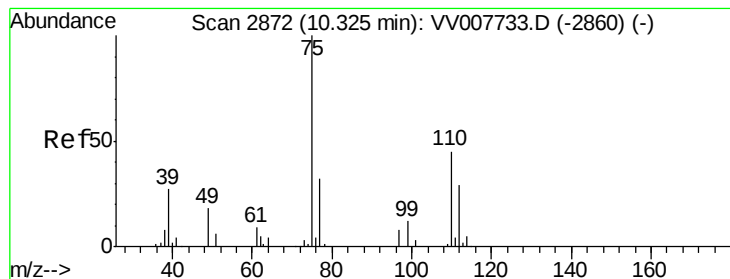


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.706 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampled :

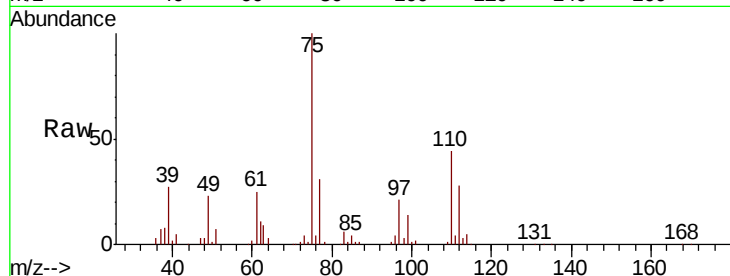
VSTD05069

Tgt Ion: 75 Resp: 80057

Ion Ratio Lower Upper

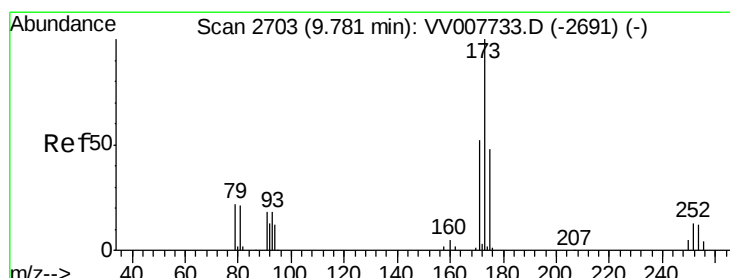
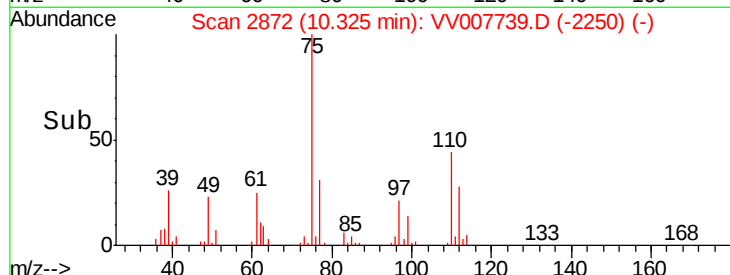
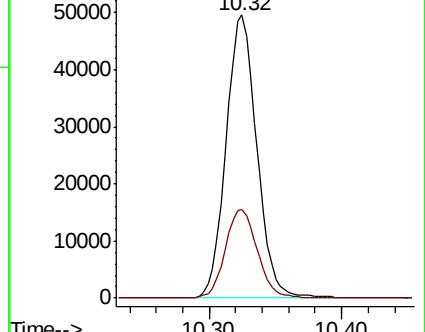
75 100

77 32.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV007733.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007733.D (-2860) (-)



#61

Bromoform

Concen: 51.084 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

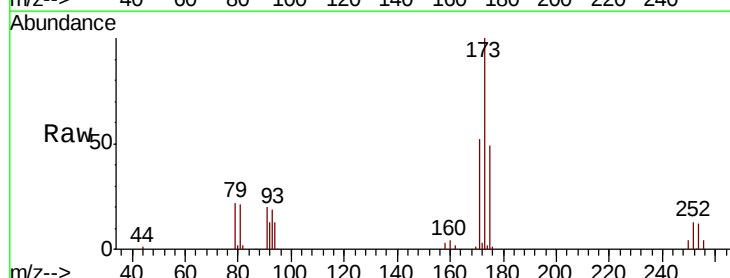
Tgt Ion: 173 Resp: 58061

Ion Ratio Lower Upper

173 100

175 46.8 38.7 58.1

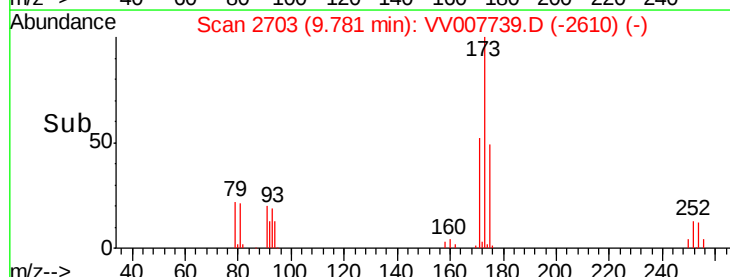
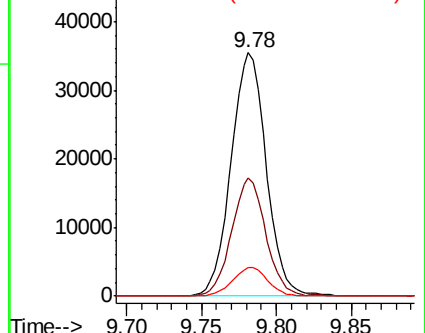
254 11.6 9.7 14.5

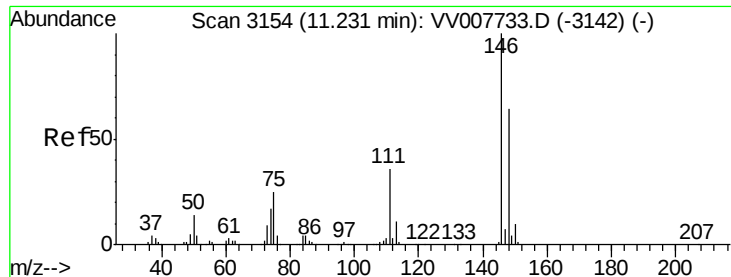


Abundance Ion 173.00 (172.70 to 173.70): VV007733.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV007733.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV007733.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 47.986 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

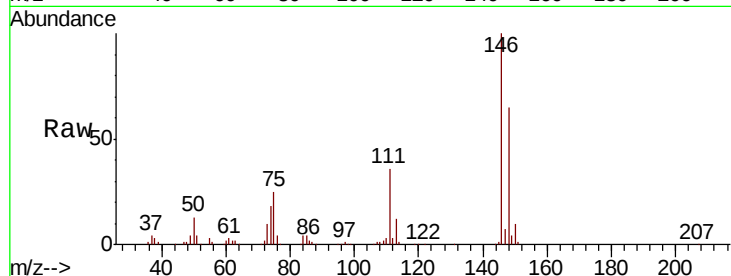
Tgt Ion:146 Resp: 166197

Ion Ratio Lower Upper

146 100

111 36.3 25.1 46.7

148 65.0 45.1 83.9

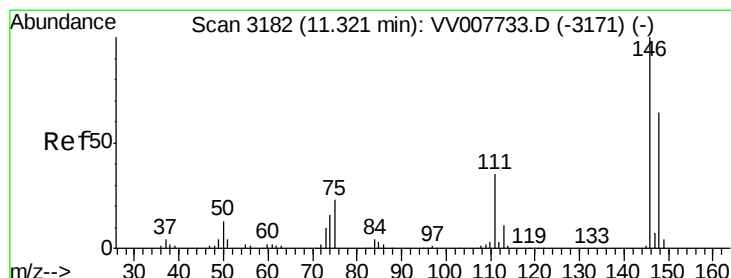
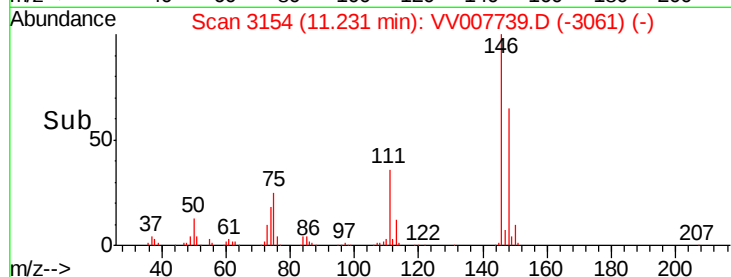
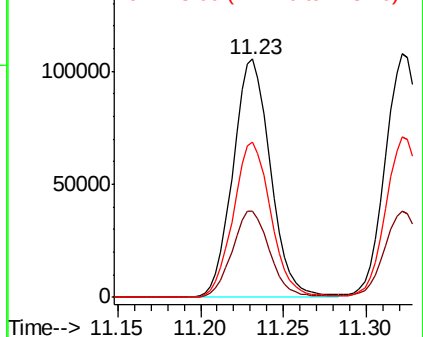


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.791 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

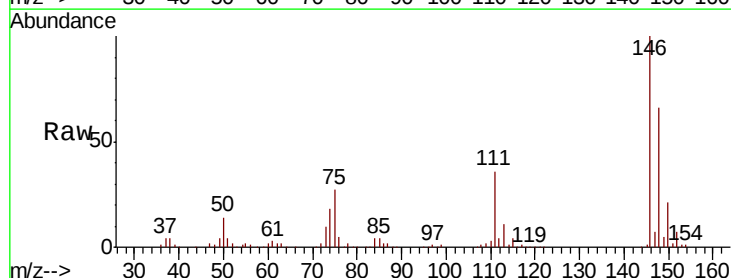
Tgt Ion:146 Resp: 171682

Ion Ratio Lower Upper

146 100

111 35.6 24.4 45.4

148 65.7 45.1 83.7

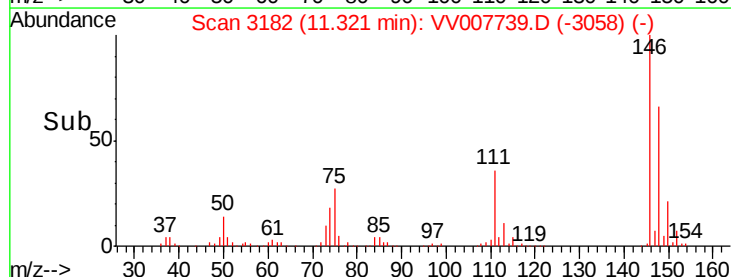
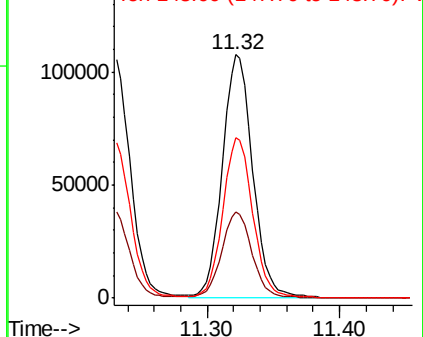


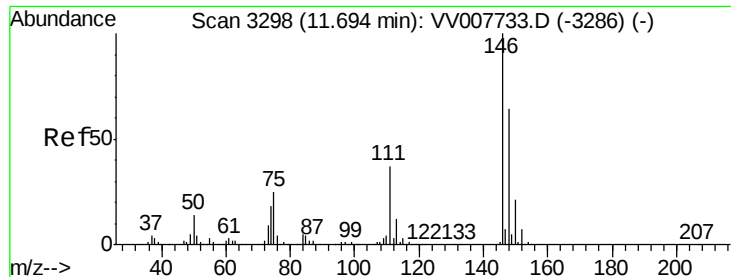
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.872 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

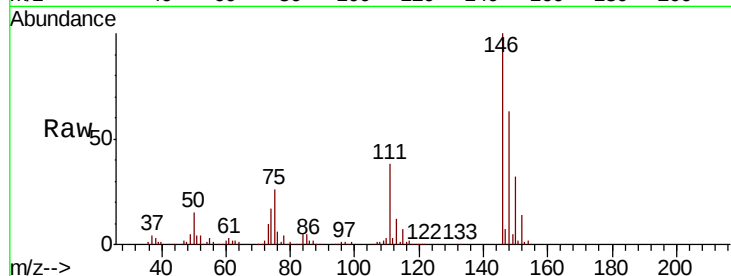
Tgt Ion:146 Resp: 171148

Ion Ratio Lower Upper

146 100

111 38.1 29.8 44.8

148 62.8 50.8 76.2

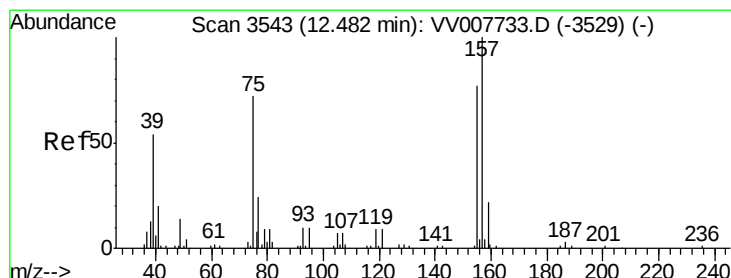
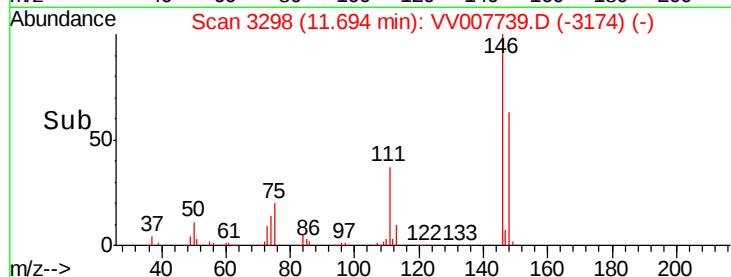
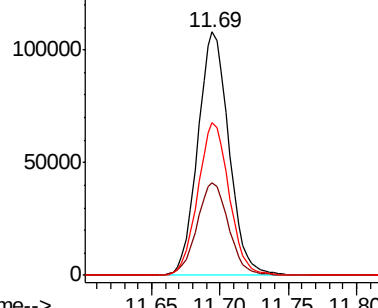


Abundance

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: 50.173 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

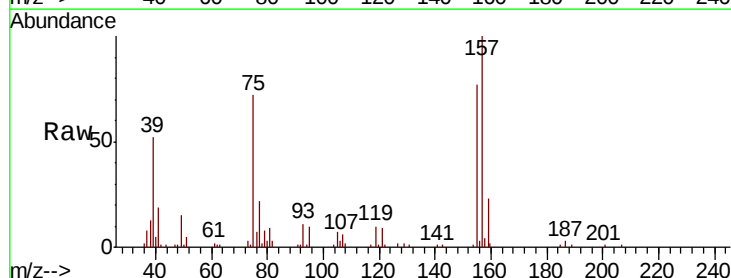
Tgt Ion: 75 Resp: 21249

Ion Ratio Lower Upper

75 100

155 106.8 86.0 129.0

157 138.2 111.5 167.3

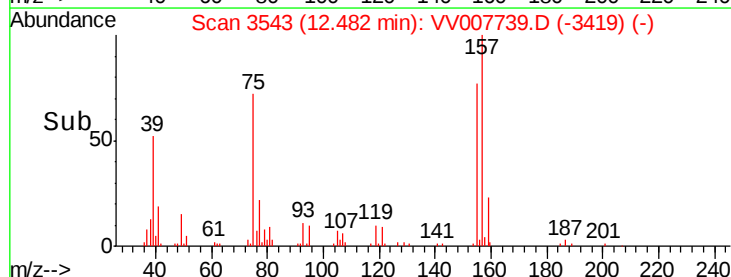
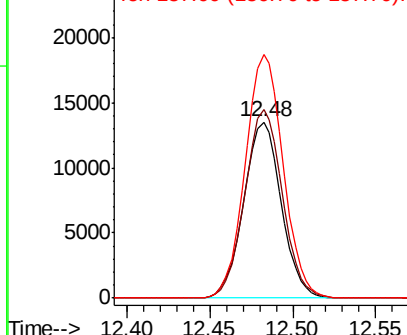


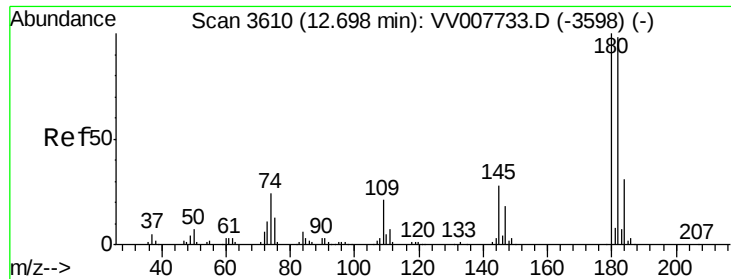
Abundance

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

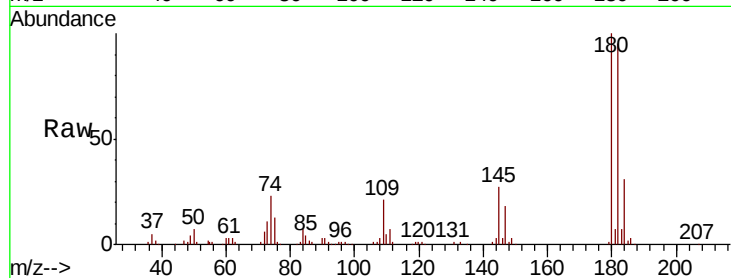




#67
 1,3,5-Trichlorobenzene
 Concen: 48.533 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.6	116.4
184	30.4	24.7	37.1
145	26.7	21.8	32.8



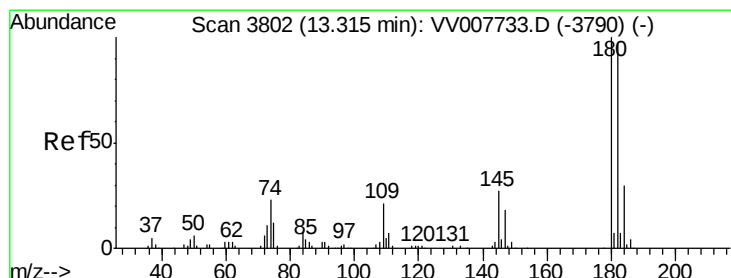
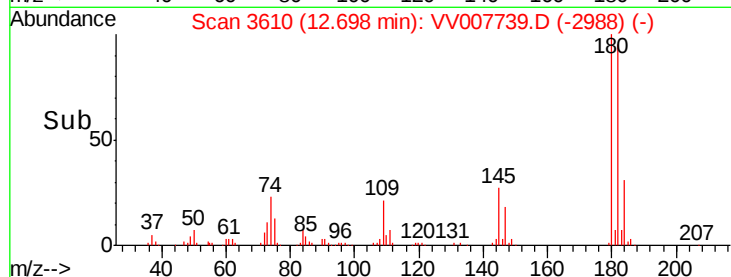
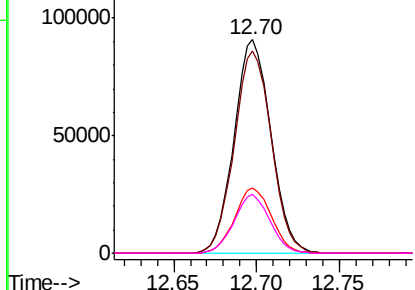
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

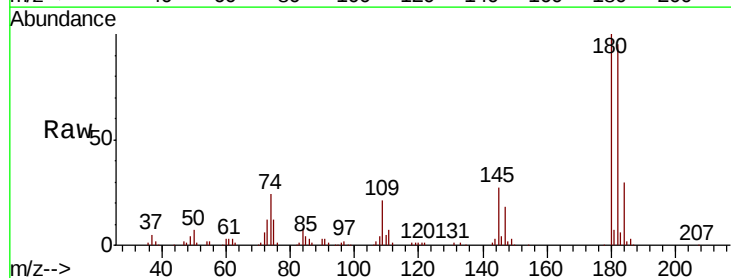
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.977 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007739.D
 Acq: 22 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
145	27.6	22.2	33.2

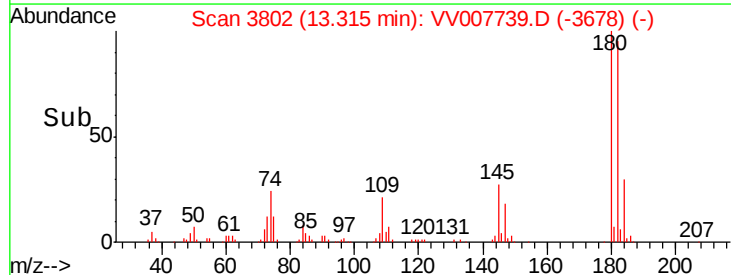
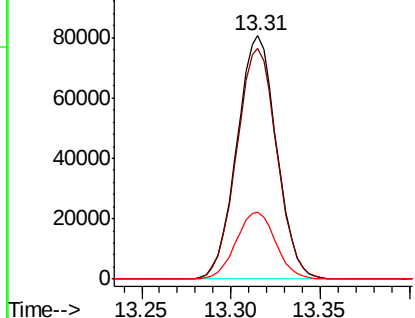


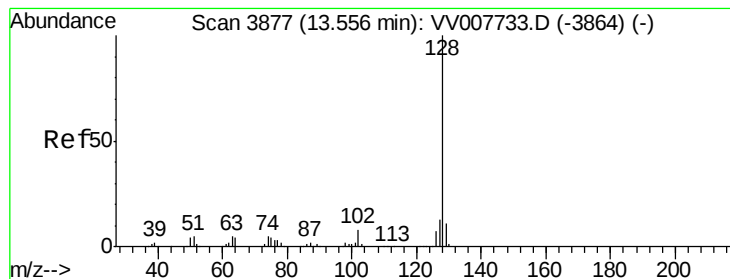
Abundance

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: 50.254 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

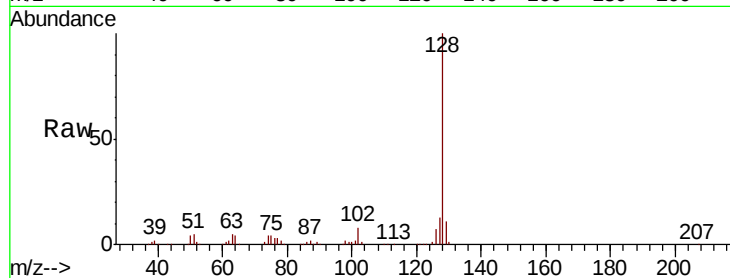
Tgt Ion:128 Resp: 336368

Ion Ratio Lower Upper

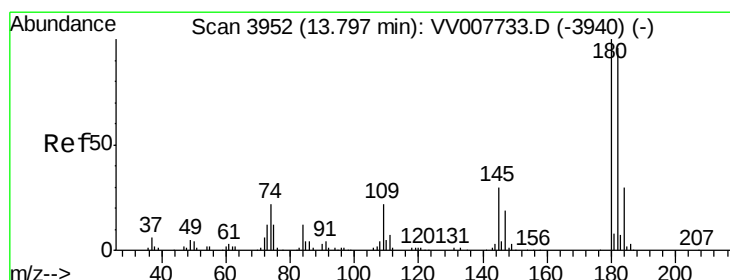
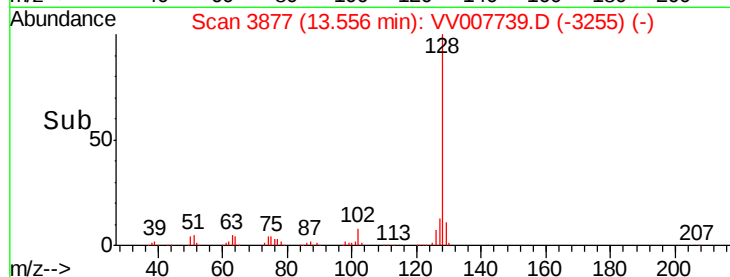
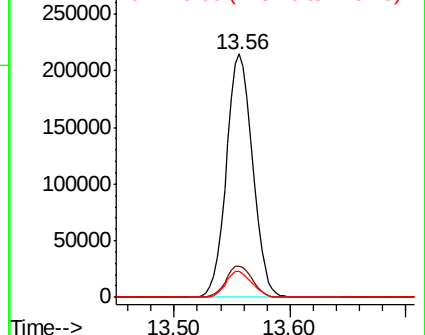
128 100

127 13.2 10.6 15.8

129 10.7 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: 48.207 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007739.D

Acq: 22 Sep 2018 17:04

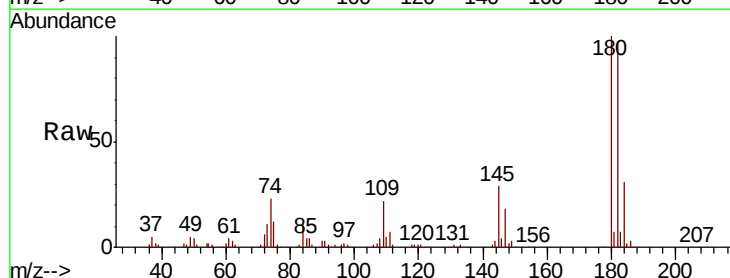
Tgt Ion:180 Resp: 127205

Ion Ratio Lower Upper

180 100

182 95.5 77.4 116.2

145 29.3 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

