

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007732.D
 Acq On : 22 Sep 2018 13:59
 Operator : SY/MD
 Sample : VSTD01064
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Quant Time: Sep 24 02:13:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 02:11:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	193880	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183522	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98916	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10288	10.66	ug/L	0.00
7) Chloroethane-d5	1.59	69	9226	10.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	23940	9.98	ug/L	0.00
21) 2-Butanone-d5	3.96	46	13171	19.03	ug/L	0.00
24) Chloroform-d	4.41	84	21441	10.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	13727	9.98	ug/L	0.00
32) Benzene-d6	5.11	84	40801	10.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	12266	10.40	ug/L	0.00
41) Toluene-d8	7.36	98	42158	10.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5430	9.29	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	9734	17.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	18055	9.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	19858	10.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13658	9.830 ug/L	99
3) Chloromethane	1.26	50	11173	10.268 ug/L	95
5) Vinyl chloride	1.33	62	12564	10.098 ug/L	100
6) Bromomethane	1.54	94	9731	13.267 ug/L	97
8) Chloroethane	1.60	64	8588	9.661 ug/L	100
9) Trichlorofluoromethane	1.78	101	26413	10.004 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	15010	10.014 ug/L	98
12) 1,1-Dichloroethene	2.15	96	12967	9.815 ug/L	96
13) Acetone	2.20	43	16995	25.129 ug/L	100
14) Carbon disulfide	2.33	76	31545	9.749 ug/L	99
15) Methyl Acetate	2.47	43	13606	10.379 ug/L	99
16) Methylene chloride	2.54	84	14554	9.987 ug/L	98
17) trans-1,2-Dichloroethene	2.80	96	14798	10.269 ug/L	97
18) Methyl tert-butyl Ether	2.82	73	43268	9.812 ug/L	97
19) 1,1-Dichloroethane	3.24	63	18772	10.031 ug/L	95
20) cis-1,2-Dichloroethene	3.97	96	12892	9.793 ug/L	98
22) 2-Butanone	4.04	43	16859	21.386 ug/L	99
23) Bromochloromethane	4.31	128	7336	10.184 ug/L	97
25) Chloroform	4.44	83	21824	9.238 ug/L	97
27) 1,2-Dichloroethane	5.19	62	18285	10.297 ug/L	97
29) Cyclohexane	4.73	56	16435	10.041 ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	20387	10.176 ug/L	96
31) Carbon tetrachloride	4.88	117	17890	10.017 ug/L	97
33) Benzene	5.15	78	44960	10.079 ug/L	100
34) Trichloroethene	5.96	95	13317	10.383 ug/L	96
35) Methylcyclohexane	6.18	83	19381	9.784 ug/L	96
37) 1,2-Dichloropropane	6.23	63	11346	10.111 ug/L	100
38) Bromodichloromethane	6.56	83	14695	9.657 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	16471	9.459 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	29769	19.854 ug/L	99

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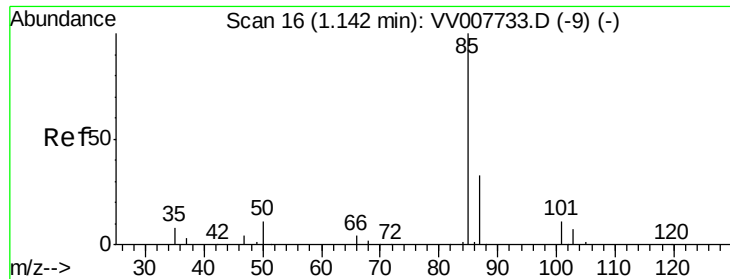
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	52803	10.130	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	14644	8.879	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	12476	9.947	ug/L	97
46) Tetrachloroethene	8.02	164	13891	10.552	ug/L	96
48) 2-Hexanone	8.19	43	22835	19.470	ug/L	95
49) Dibromochloromethane	8.30	129	12663	8.933	ug/L	96
50) 1,2-Dibromoethane	8.40	107	13322	9.675	ug/L	96
51) Chlorobenzene	8.93	112	38255	10.192	ug/L	99
52) Ethylbenzene	9.06	91	57405	9.636	ug/L	99
53) m,p-Xylene	9.19	106	22963	9.702	ug/L	94
54) o-xylene	9.59	106	22224	9.459	ug/L	98
55) Styrene	9.61	104	36497	9.168	ug/L	99
56) Isopropylbenzene	9.98	105	58981	9.426	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	19766	9.359	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	15423	9.310	ug/L	98
61) Bromoform	9.78	173	9487	9.154	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	32090	10.276	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	33111	10.396	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	32771	10.082	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3333	8.687	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.70	180	25608	10.330	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	22643	11.015	ug/L	99
69) Naphthalene	13.56	128	56783	10.707	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	23727	11.190	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 9.830 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

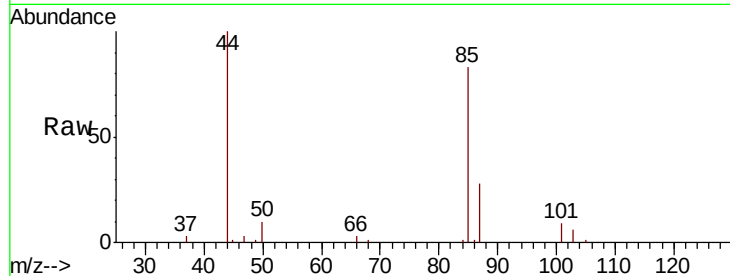
VSTD01064

Tgt Ion: 85 Resp: 13658

Ion Ratio Lower Upper

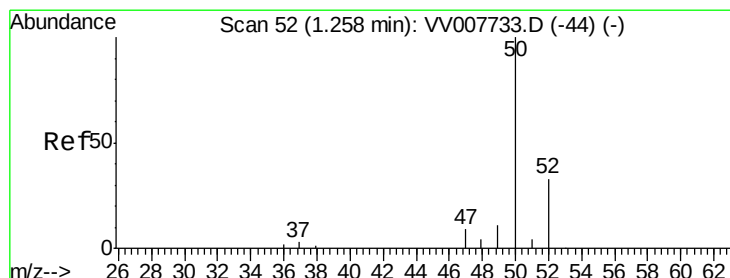
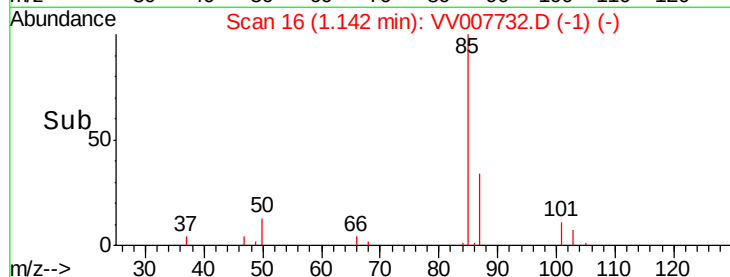
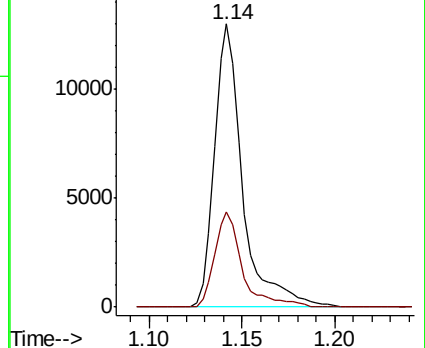
85 100

87 32.9 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: 10.268 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007732.D

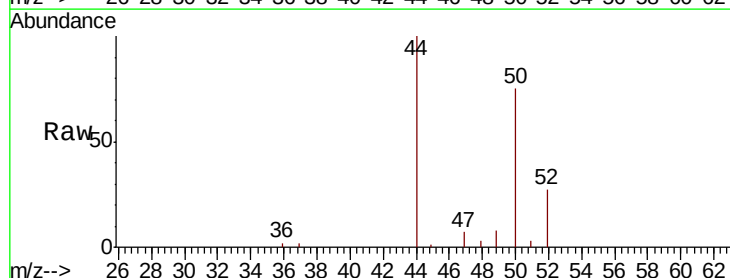
Acq: 22 Sep 2018 13:59

Tgt Ion: 50 Resp: 11173

Ion Ratio Lower Upper

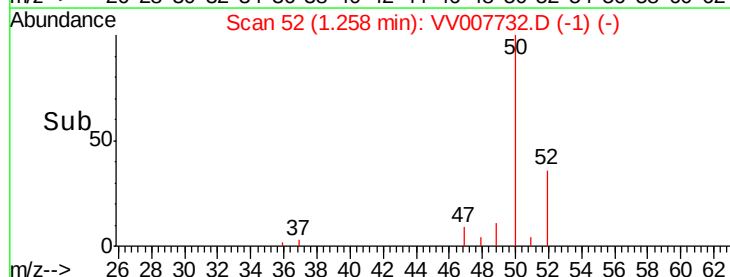
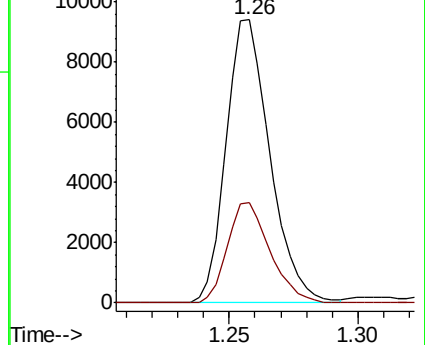
50 100

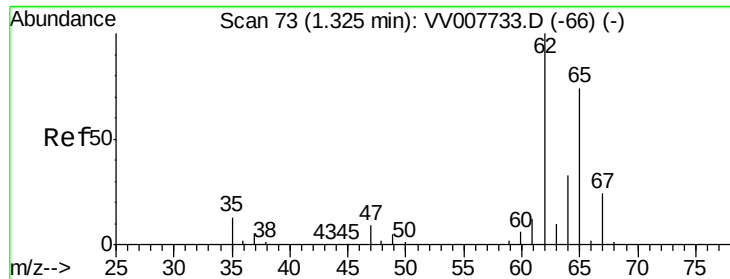
52 35.6 23.0 42.8



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: 10.098 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

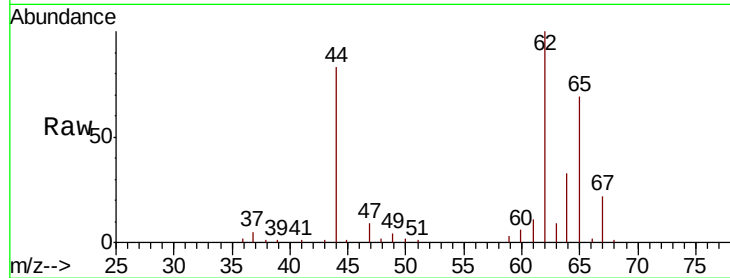
VSTD01064

Tgt Ion: 62 Resp: 12564

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

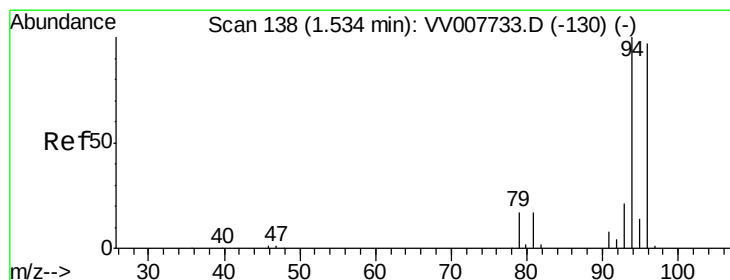
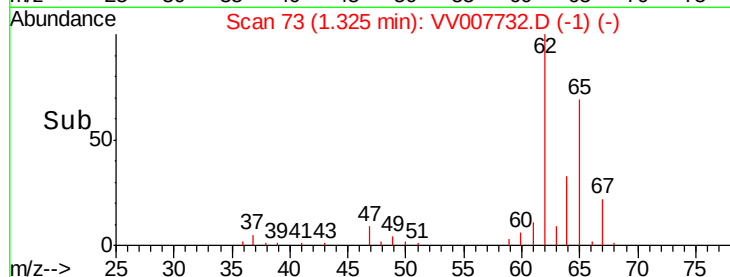
1.33

10000

5000

0

Time-->



#6

Bromomethane

Concen: 13.267 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.01 min

Lab File: VV007732.D

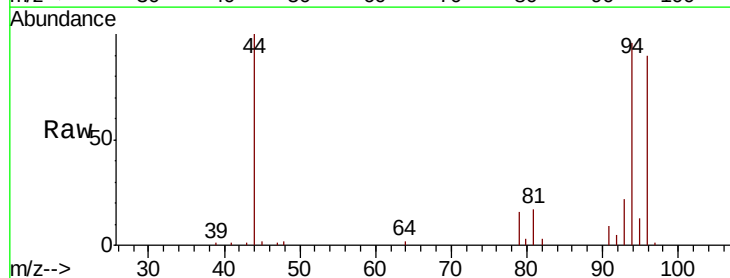
Acq: 22 Sep 2018 13:59

Tgt Ion: 94 Resp: 9731

Ion Ratio Lower Upper

94 100

96 94.0 68.2 126.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

10000

8000

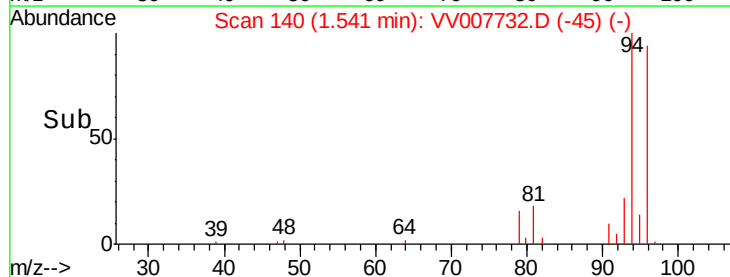
6000

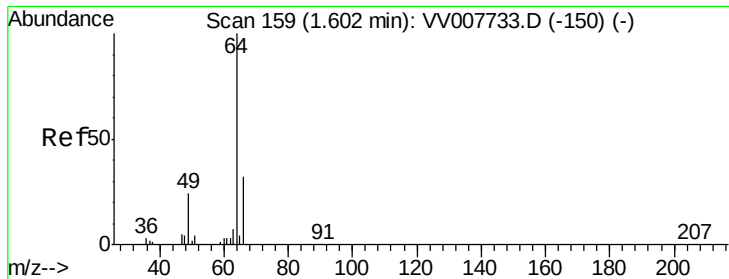
4000

2000

0

Time-->





#8

Chloroethane

Concen: 9.661 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

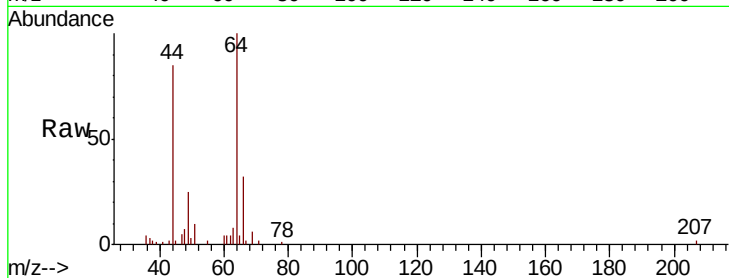
VSTD01064

Tgt Ion: 64 Resp: 8588

Ion Ratio Lower Upper

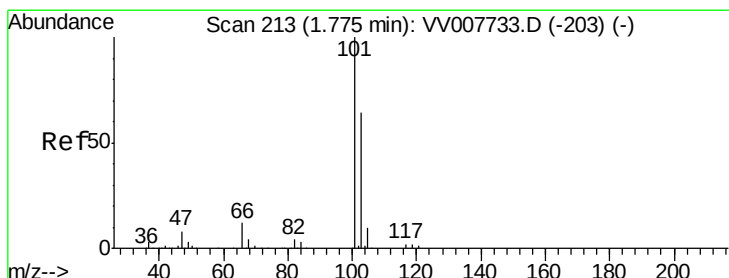
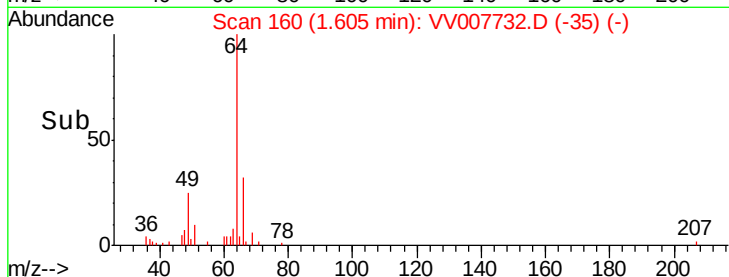
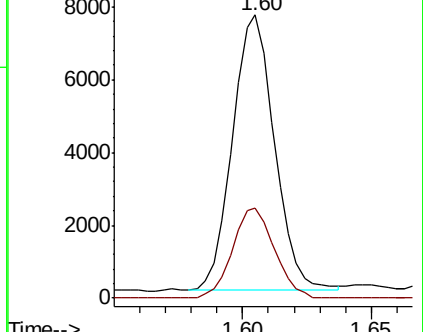
64 100

66 31.8 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV007733.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV007733.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 10.004 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007732.D

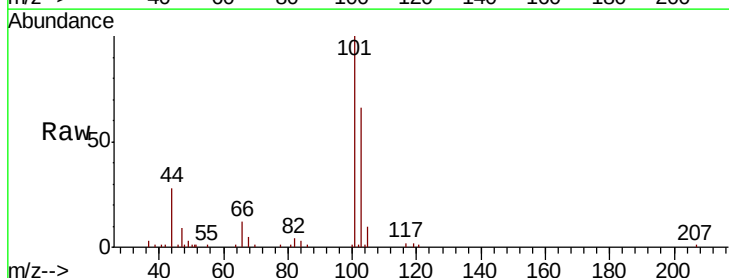
Acq: 22 Sep 2018 13:59

Tgt Ion: 101 Resp: 26413

Ion Ratio Lower Upper

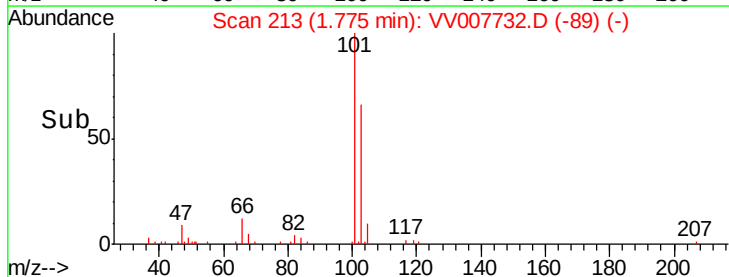
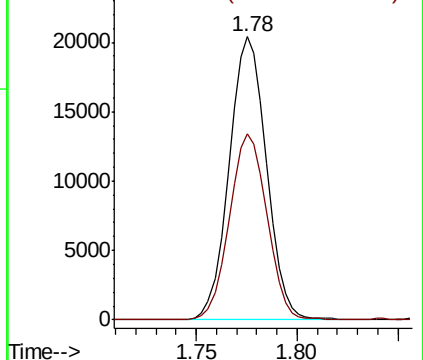
101 100

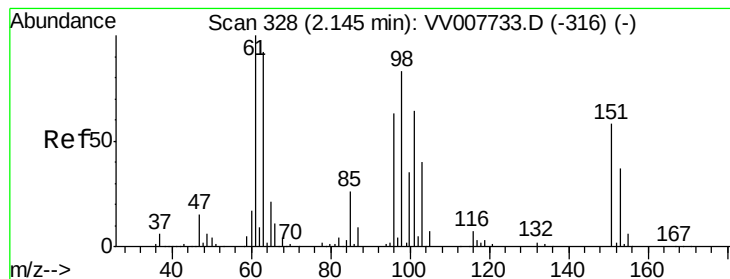
103 66.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV007733.D (-203) (-)

Ion 103.00 (102.70 to 103.70): VV007733.D (-203) (-)





#10

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

Concen: 10.014 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

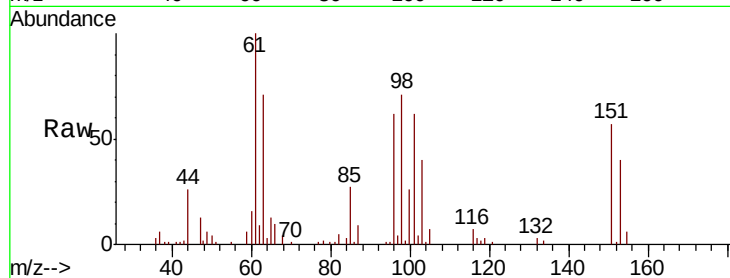
Tgt Ion: 101 Resp: 15010

Ion Ratio Lower Upper

101 100

85 44.2 32.7 49.1

151 91.1 72.2 108.2

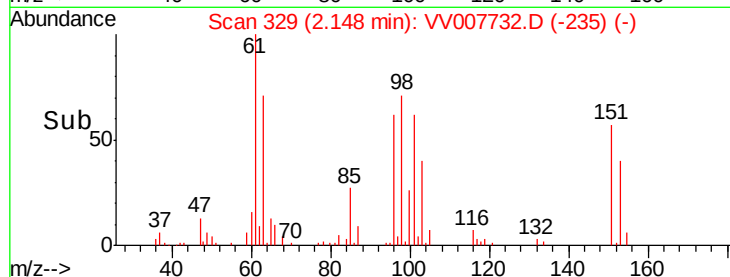


Abundance Ion 101.00 (100.70 to 101.70): VV007732.D (-316) (-)

Ion 85.00 (84.70 to 85.70): VV007732.D (-316) (-)

Ion 151.00 (150.70 to 151.70): VV007732.D (-316) (-)

Time-->



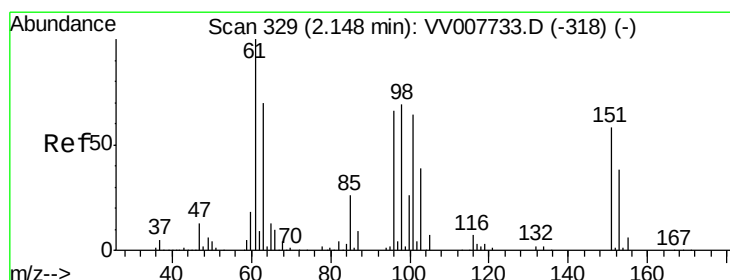
Abundance

Ion 101.00 (100.70 to 101.70): VV007732.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV007732.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV007732.D (-235) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 9.815 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

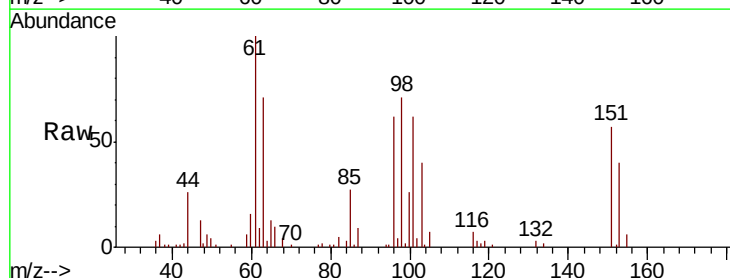
Tgt Ion: 96 Resp: 12967

Ion Ratio Lower Upper

96 100

61 161.2 107.3 199.3

63 114.2 78.8 146.4

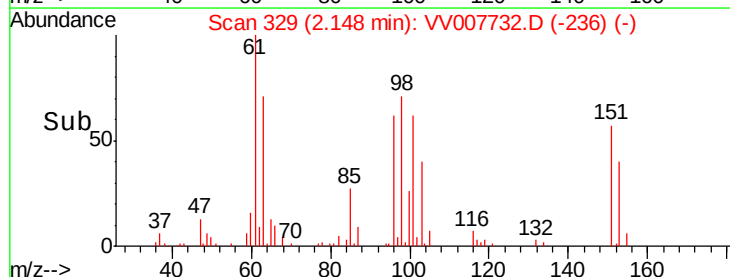


Abundance Ion 96.00 (95.70 to 96.70): VV007732.D (-318) (-)

Ion 61.00 (60.70 to 61.70): VV007732.D (-318) (-)

Ion 63.00 (62.70 to 63.70): VV007732.D (-318) (-)

Time-->



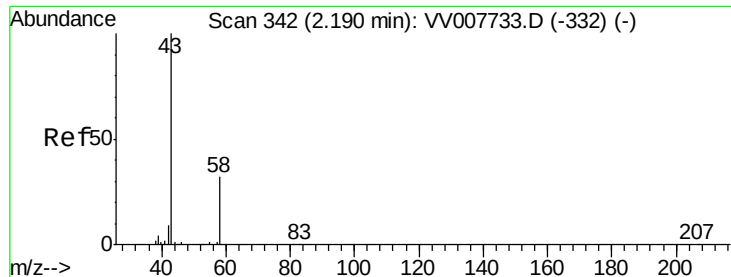
Abundance

Ion 96.00 (95.70 to 96.70): VV007732.D (-236) (-)

Ion 61.00 (60.70 to 61.70): VV007732.D (-236) (-)

Ion 63.00 (62.70 to 63.70): VV007732.D (-236) (-)

Time-->



#13

Acetone

Concen: 25.129 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

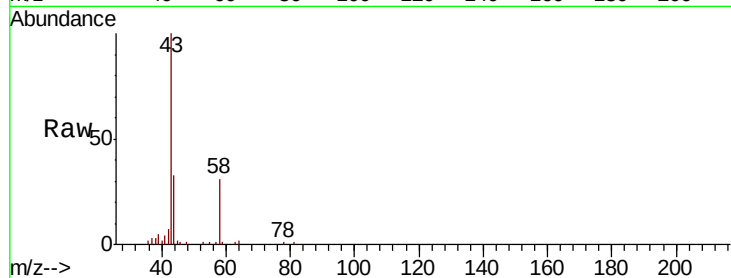
VSTD01064

Tgt Ion: 43 Resp: 16995

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007733.D (-332) (-)

2.20

12000

10000

8000

6000

4000

2000

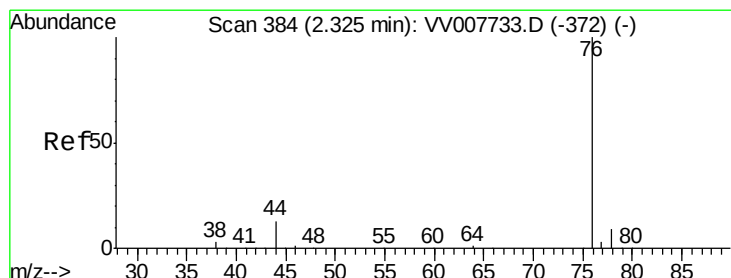
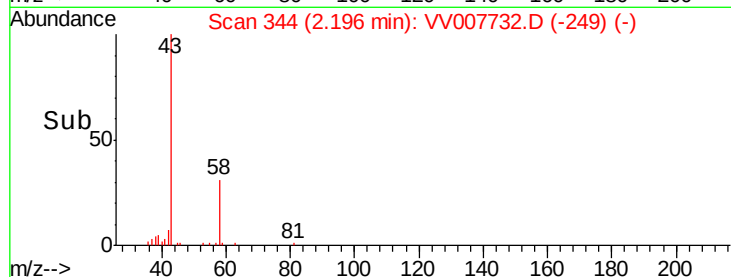
0

Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 9.749 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007732.D

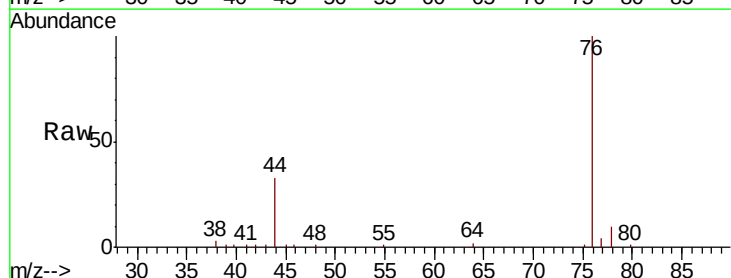
Acq: 22 Sep 2018 13:59

Tgt Ion: 76 Resp: 31545

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007733.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV007733.D (-372) (-)

2.33

25000

20000

15000

10000

5000

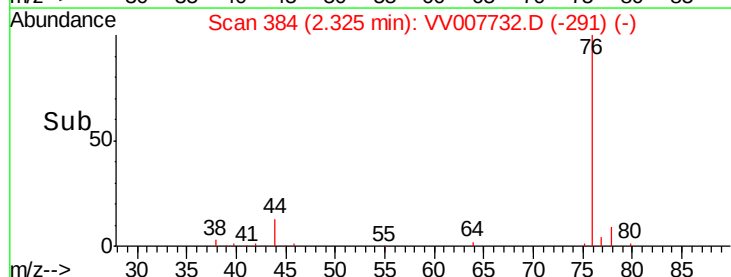
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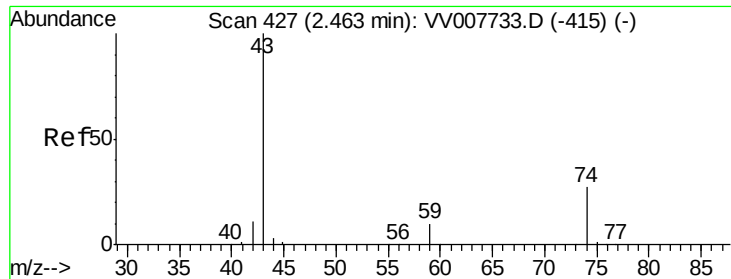
Time-->

2.30

2.35

2.40





#15

Methyl Acetate

Concen: 10.379 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

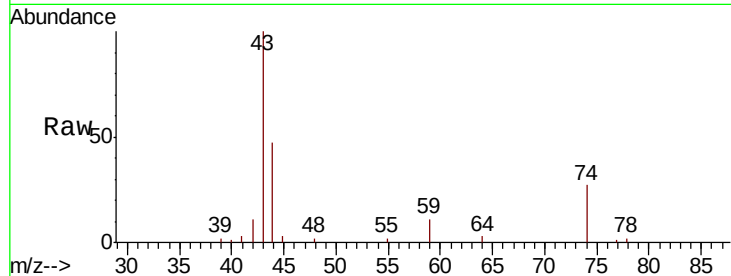
VSTD01064

Tgt Ion: 43 Resp: 13606

Ion Ratio Lower Upper

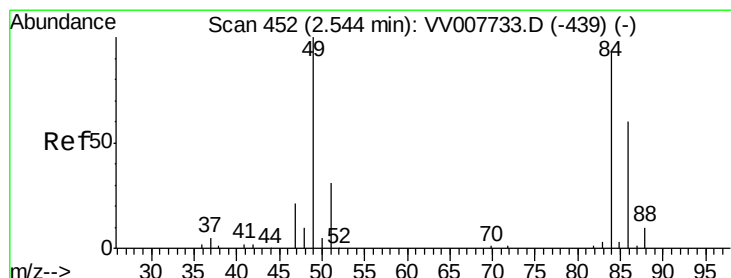
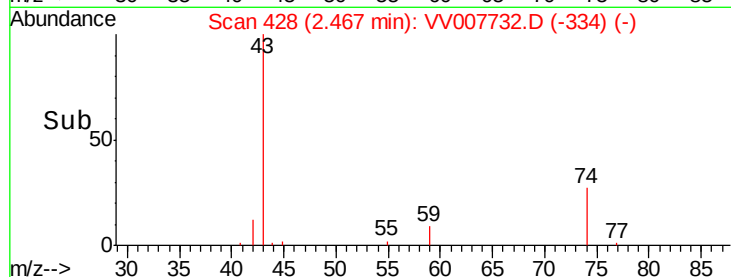
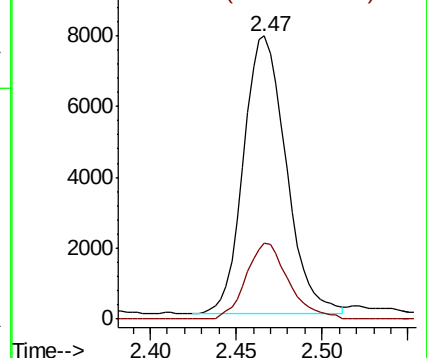
43 100

74 27.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-415) (-)

Ion 74.00 (73.70 to 74.70): VV007733.D (-415) (-)



#16

Methylene chloride

Concen: 9.987 ug/L

RT: 2.54 min Scan# 452

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

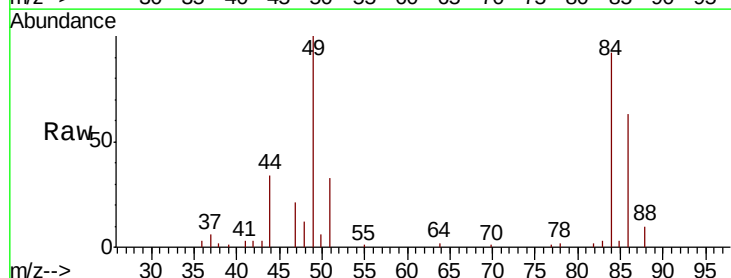
Tgt Ion: 84 Resp: 14554

Ion Ratio Lower Upper

84 100

86 68.4 45.4 84.4

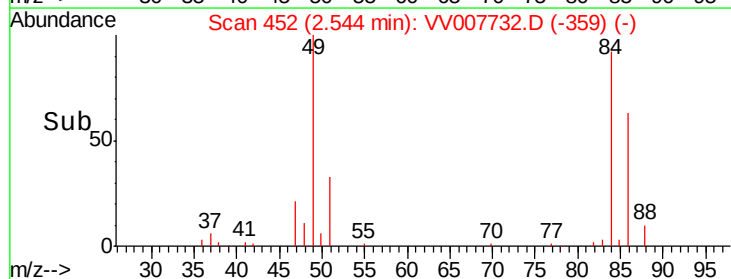
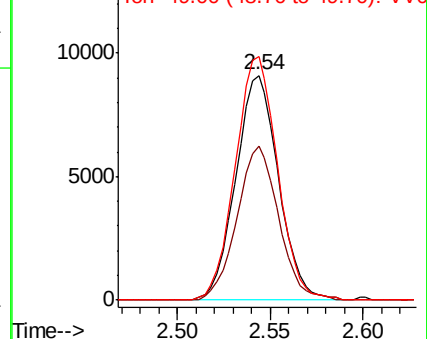
49 108.3 75.3 139.9

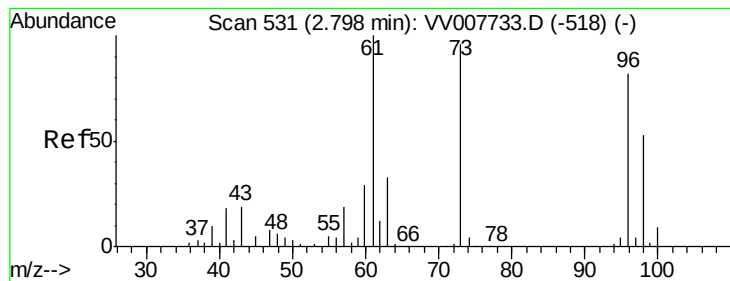


Abundance Ion 84.00 (83.70 to 84.70): VV007733.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV007733.D (-439) (-)

Ion 49.00 (48.70 to 49.70): VV007733.D (-439) (-)





#17

trans-1,2-Dichloroethene

Concen: 10.269 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

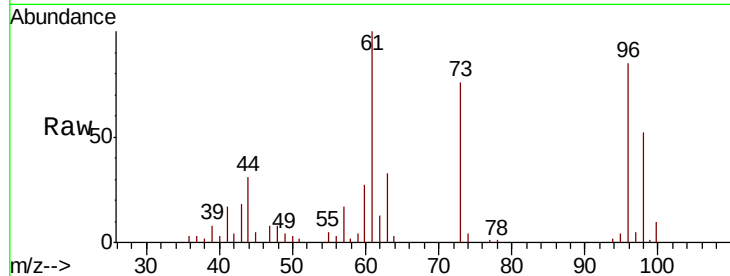
Tgt Ion: 96 Resp: 14798

Ion Ratio Lower Upper

96 100

61 117.4 84.9 157.7

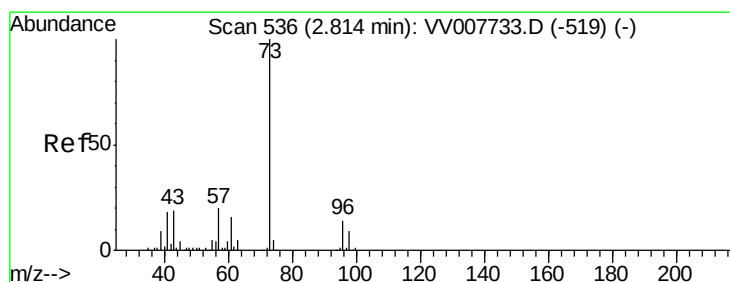
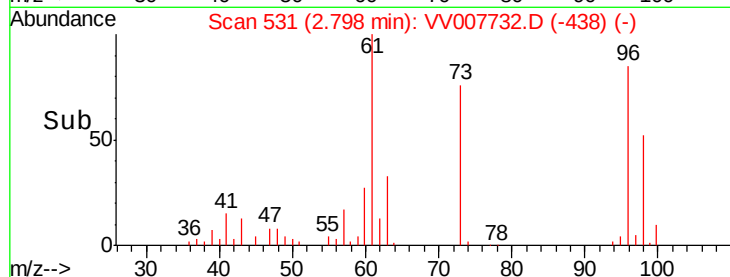
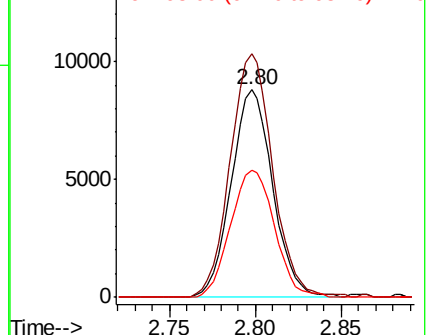
98 61.1 44.6 82.8



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: 9.812 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

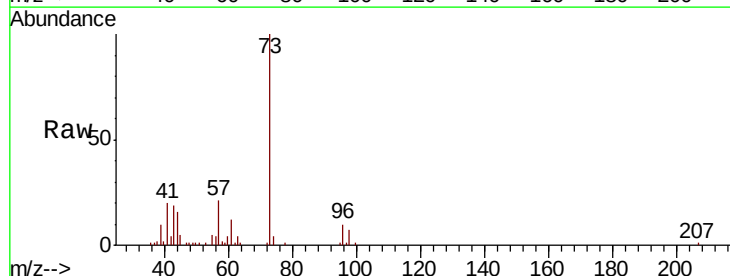
Tgt Ion: 73 Resp: 43268

Ion Ratio Lower Upper

73 100

43 19.6 15.0 22.6

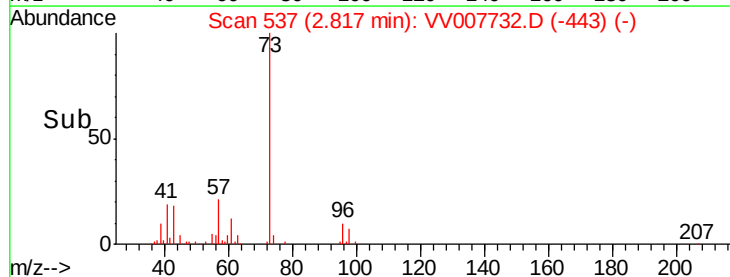
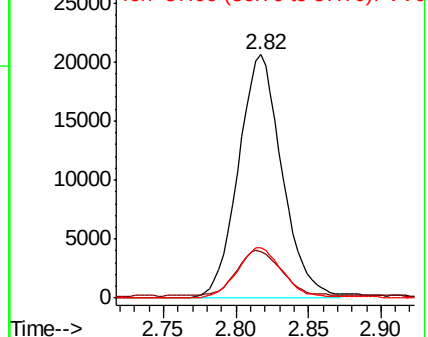
57 21.6 15.8 23.8

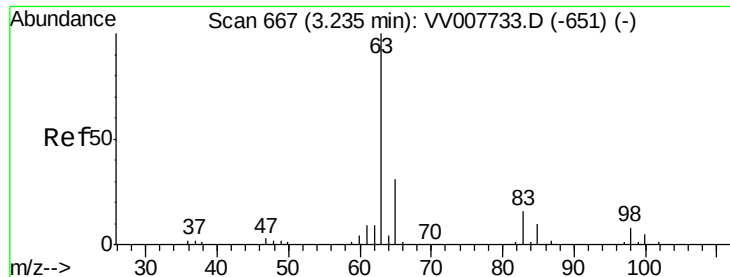


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

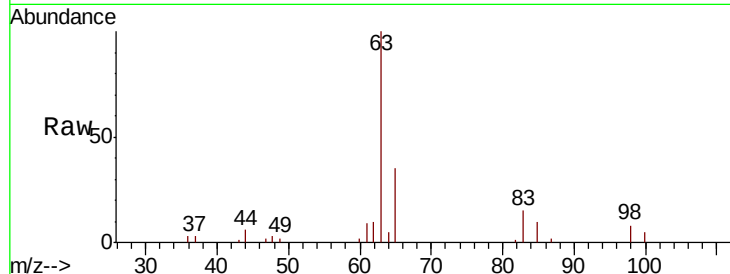




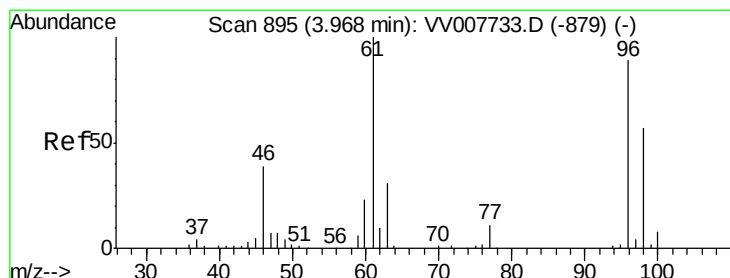
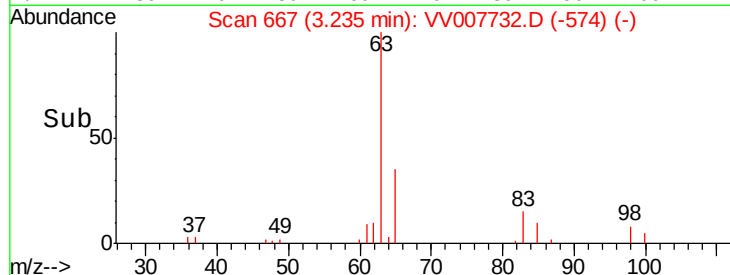
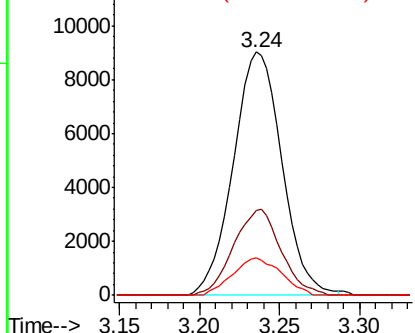
#19
 1,1-Dichloroethane
 Concen: 10.031 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion: 63 Resp: 18772
 Ion Ratio Lower Upper
 63 100
 65 34.9 21.6 40.2
 83 15.3 11.2 20.8

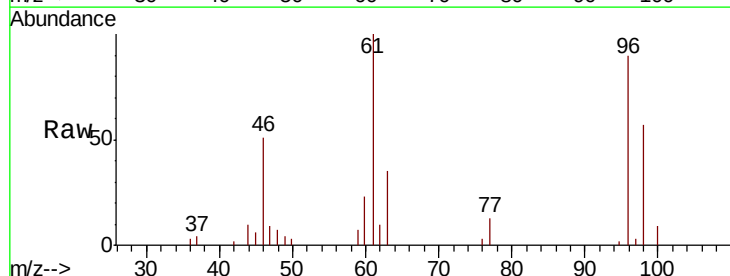


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

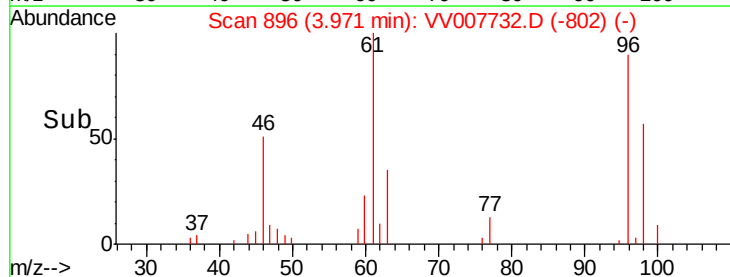
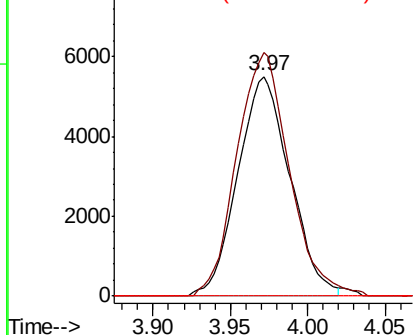


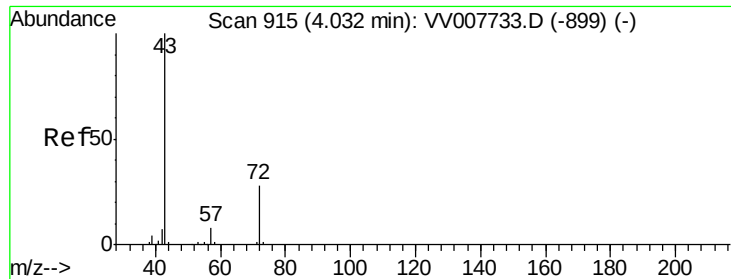
#20
 cis-1,2-Dichloroethene
 Concen: 9.793 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion: 96 Resp: 12892
 Ion Ratio Lower Upper
 96 100
 61 110.8 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: 21.386 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.01 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

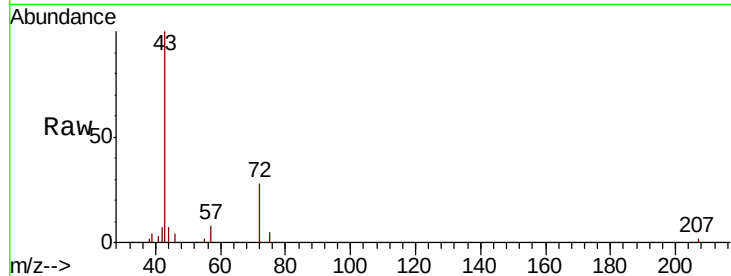
VSTD01064

Tgt Ion: 43 Resp: 16859

Ion Ratio Lower Upper

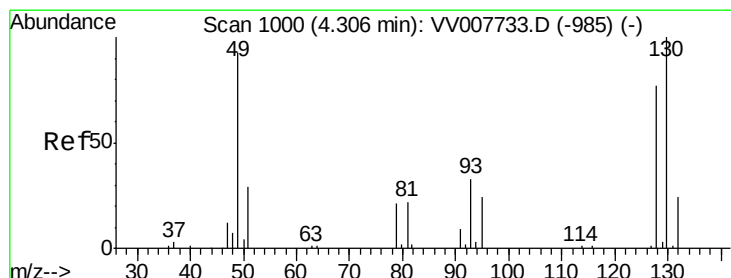
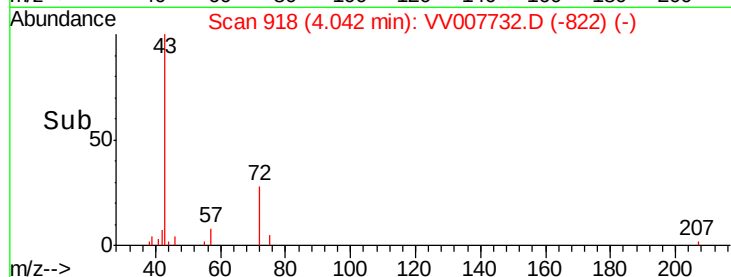
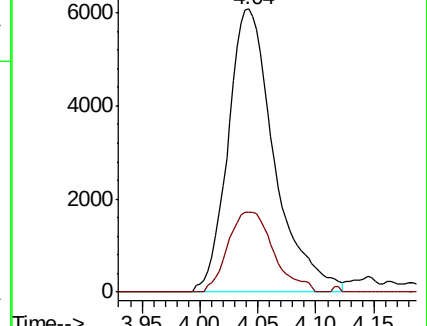
43 100

72 28.1 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV007733.D (-899) (-)

Ion 72.00 (71.70 to 72.70): VV007733.D (-899) (-)



#23

Bromochloromethane

Concen: 10.184 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Tgt Ion: 128 Resp: 7336

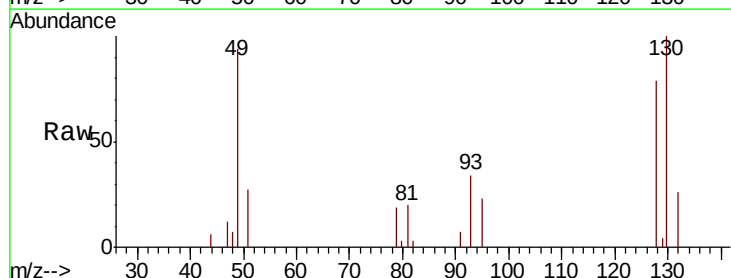
Ion Ratio Lower Upper

128 100

49 119.4 84.8 157.4

130 127.0 90.9 168.9

51 34.9 30.6 46.0

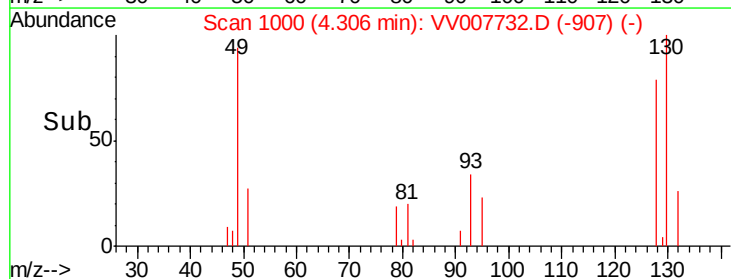
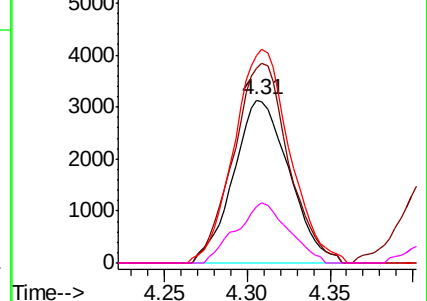


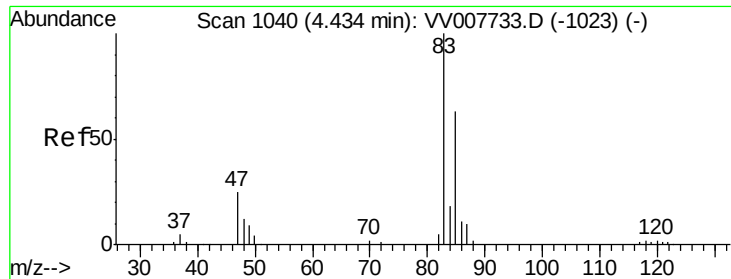
Abundance Ion 128.00 (127.70 to 128.70): VV007732.D (-907) (-)

Ion 49.00 (48.70 to 49.70): VV007732.D (-907) (-)

Ion 130.00 (129.70 to 130.70): VV007732.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VV007732.D (-907) (-)

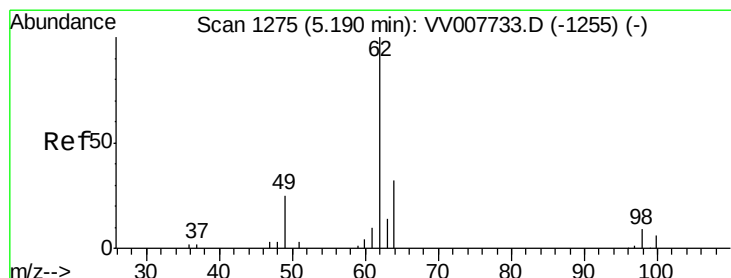
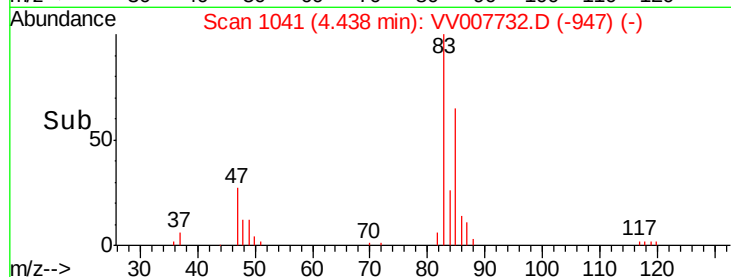
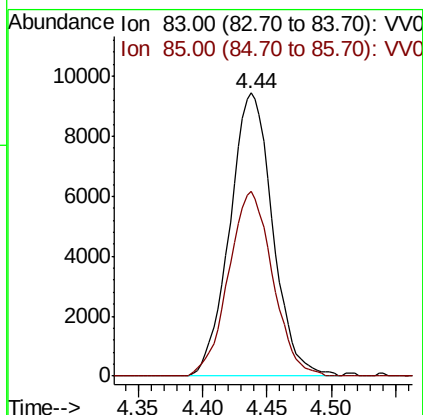
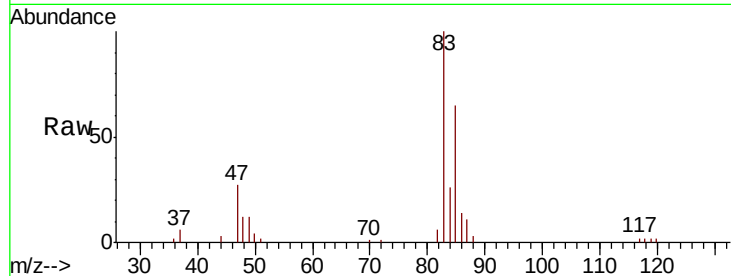




#25
Chloroform
Concen: 9.238 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

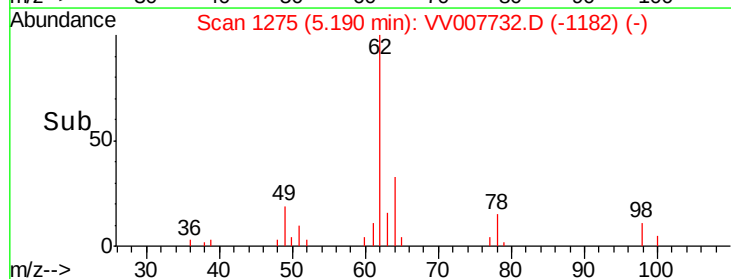
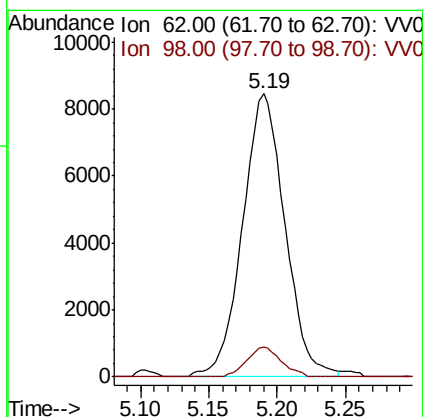
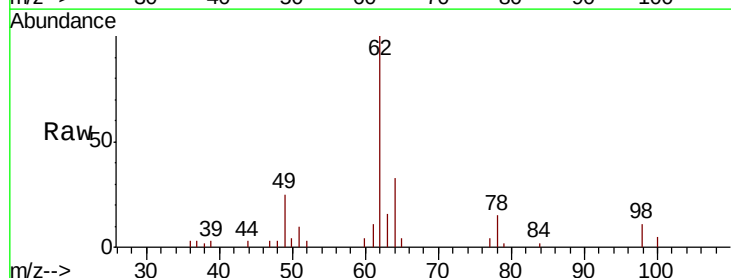
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

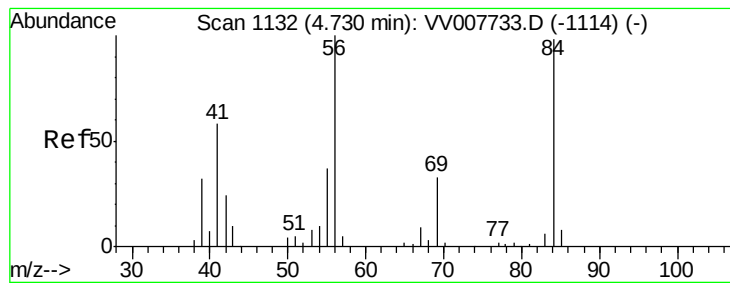
Tgt Ion: 83 Resp: 21824
Ion Ratio Lower Upper
83 100
85 65.3 44.0 81.8



#27
1,2-Dichloroethane
Concen: 10.297 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Tgt Ion: 62 Resp: 18285
Ion Ratio Lower Upper
62 100
98 10.7 7.5 11.3

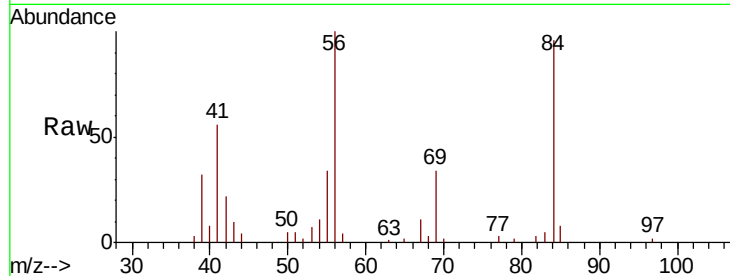




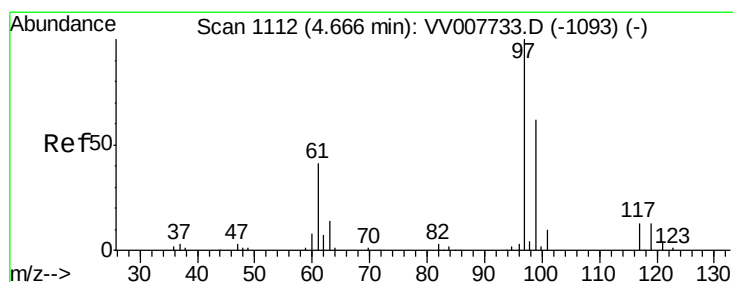
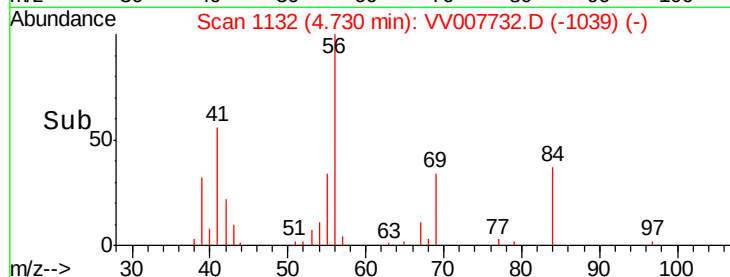
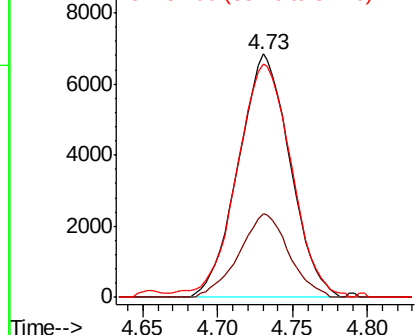
#29
Cyclohexane
Concen: 10.041 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 56 Resp: 16435
Ion Ratio Lower Upper
56 100
69 33.2 26.1 39.1
84 101.1 79.7 119.5

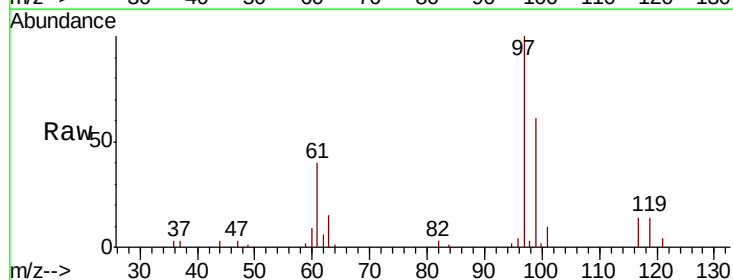


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

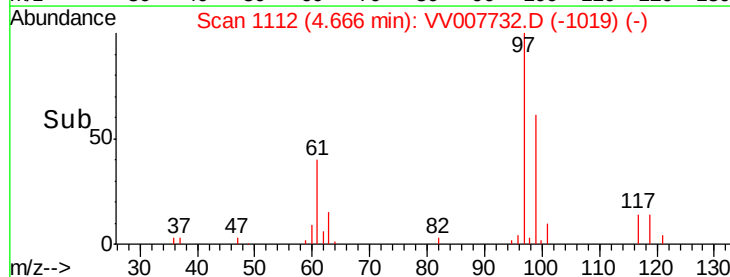
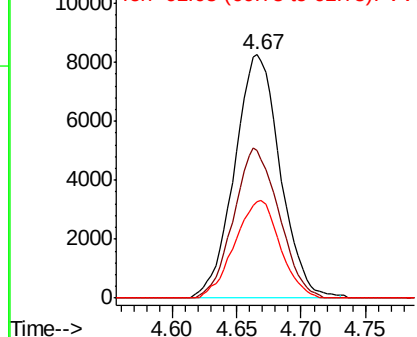


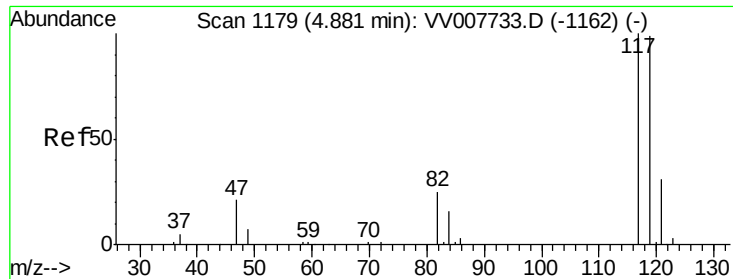
#30
1,1,1-Trichloroethane
Concen: 10.176 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Tgt Ion: 97 Resp: 20387
Ion Ratio Lower Upper
97 100
99 61.1 51.8 77.8
61 39.8 33.0 49.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 10.017 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

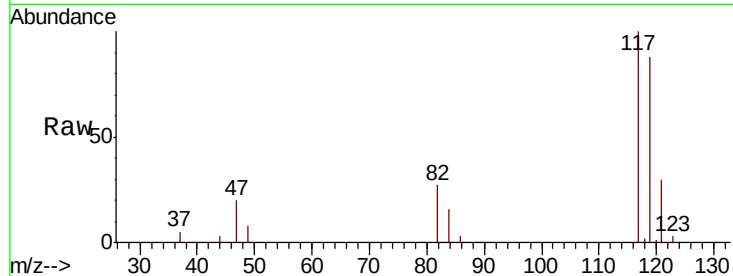
VSTD01064

Tgt Ion:117 Resp: 17890

Ion Ratio Lower Upper

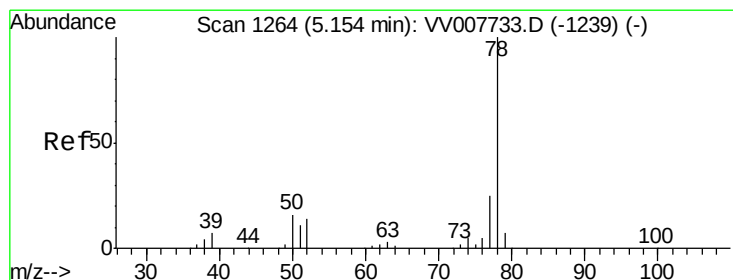
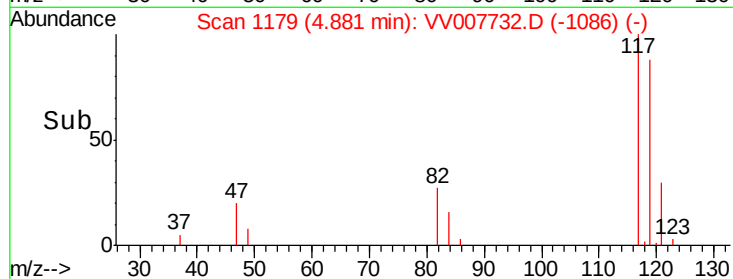
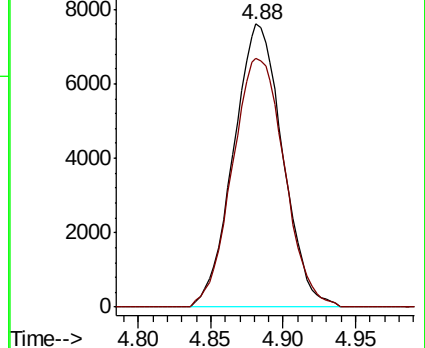
117 100

119 93.2 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: 10.079 ug/L

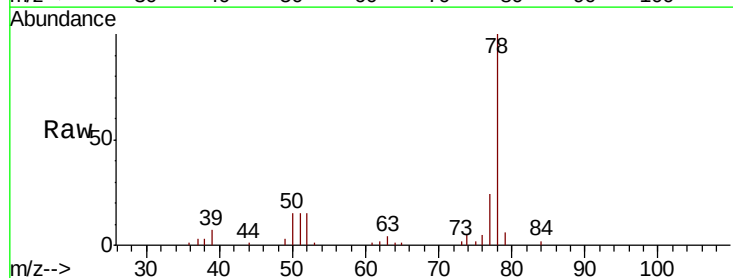
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

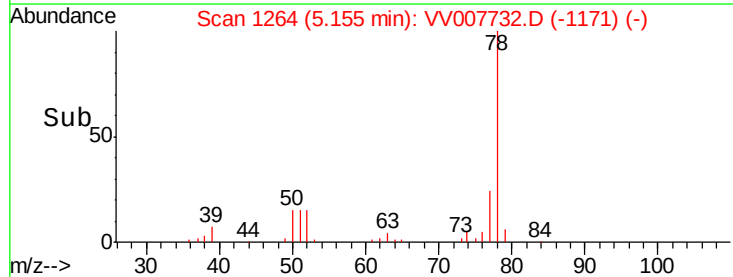
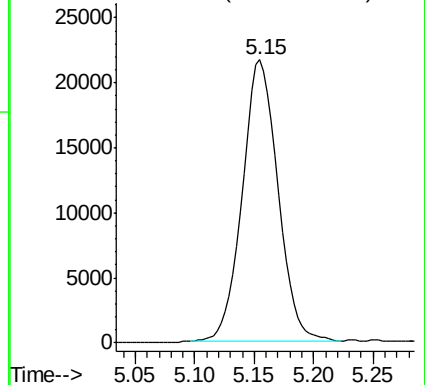
Lab File: VV007732.D

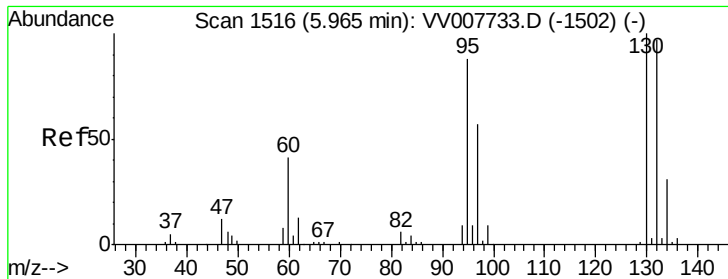
Acq: 22 Sep 2018 13:59

Tgt Ion: 78 Resp: 44960



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 10.383 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 95 Resp: 13317

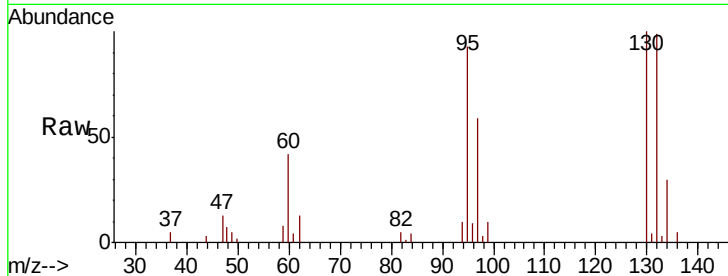
Ion Ratio Lower Upper

95 100

97 63.7 45.2 84.0

132 106.2 77.7 144.3

130 107.4 79.7 148.1



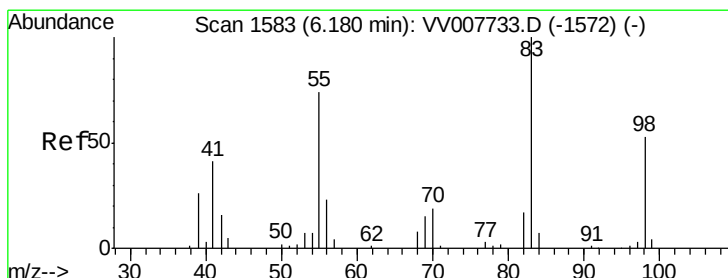
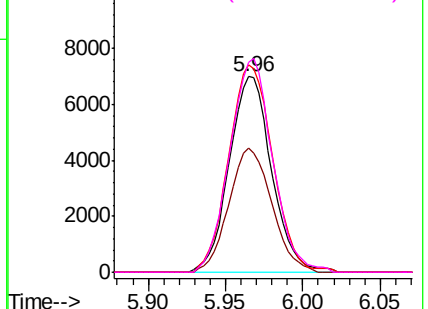
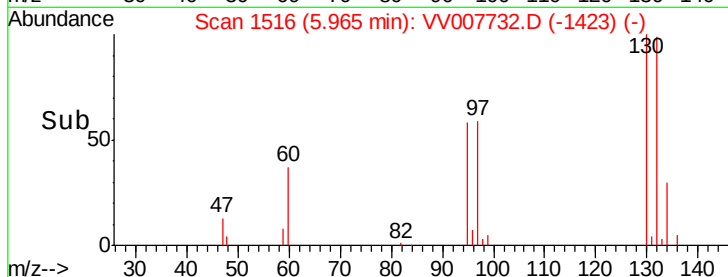
Abundance

Ion 95.00 (94.70 to 95.70): VV007732.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV007732.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV007732.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV007732.D (-1502) (-)



#35

Methylcyclohexane

Concen: 9.784 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

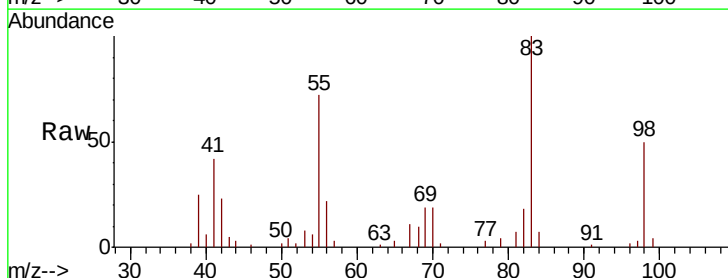
Tgt Ion: 83 Resp: 19381

Ion Ratio Lower Upper

83 100

55 71.9 54.6 82.0

98 51.7 39.0 58.6

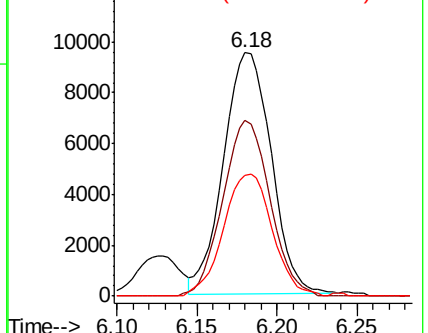
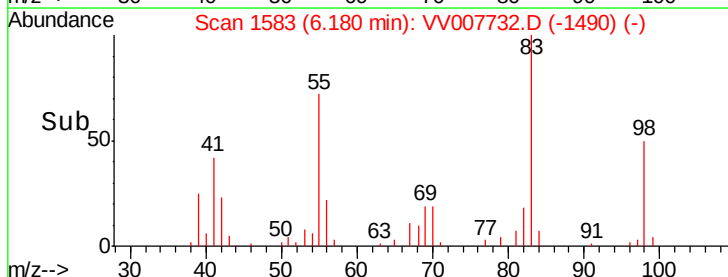


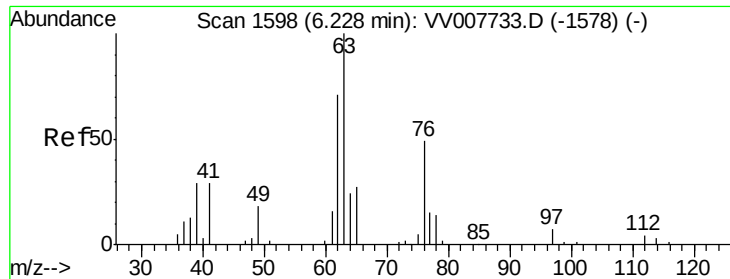
Abundance

Ion 83.00 (82.70 to 83.70): VV007732.D (-1583) (-)

Ion 55.00 (54.70 to 55.70): VV007732.D (-1583) (-)

Ion 98.00 (97.70 to 98.70): VV007732.D (-1583) (-)

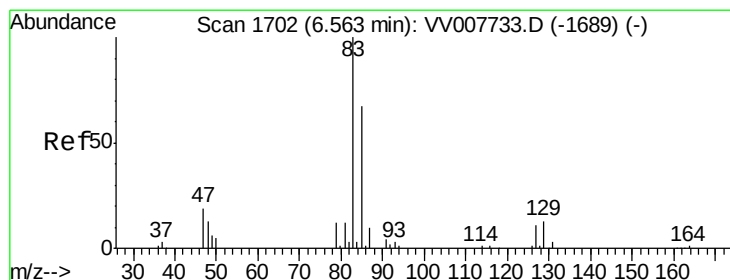
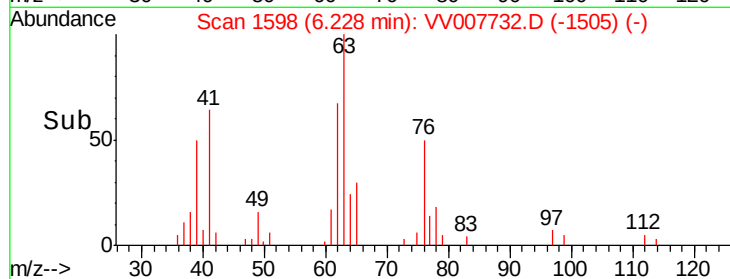
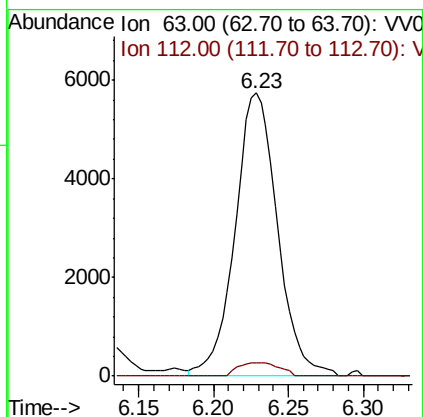
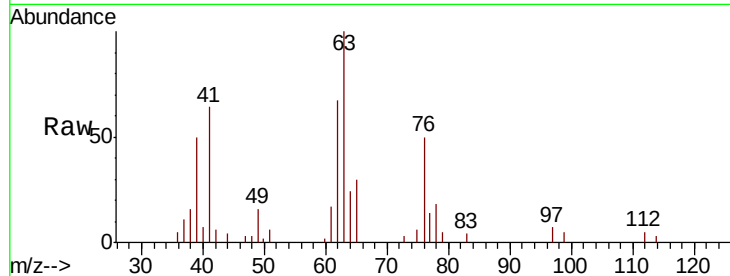




#37
 1,2-Dichloropropane
 Concen: 10.111 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

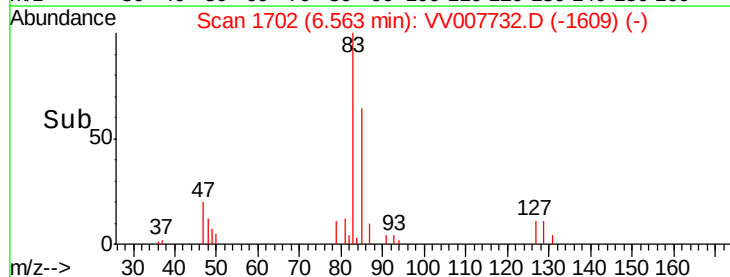
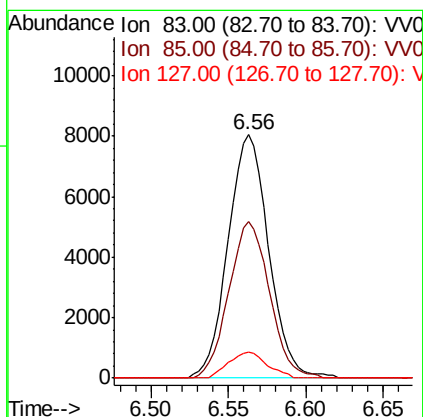
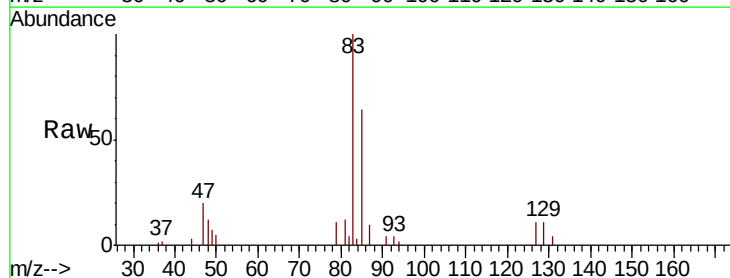
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

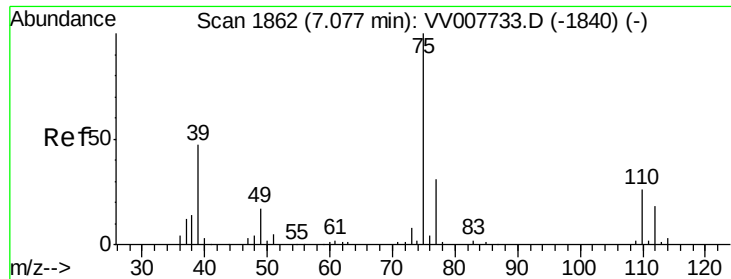
Tgt Ion: 63 Resp: 11346
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 9.657 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion: 83 Resp: 14695
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.6 86.6
 127 10.6 8.7 13.1

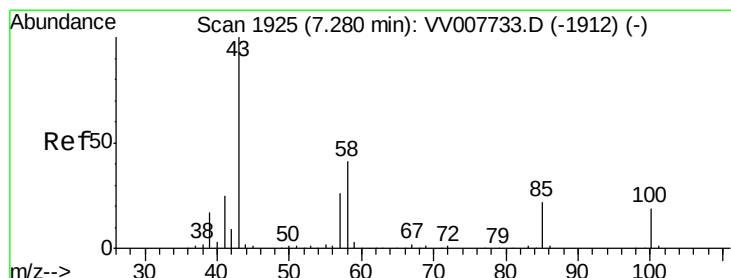
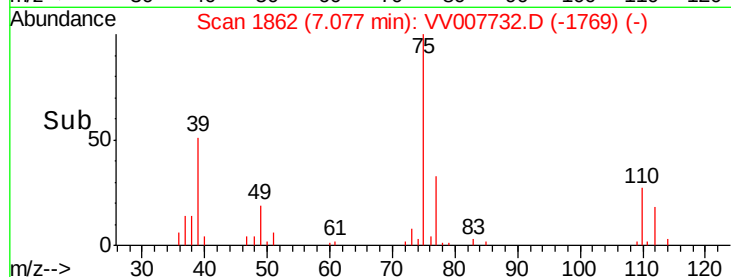
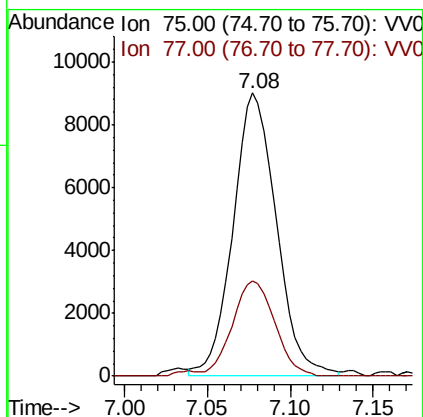
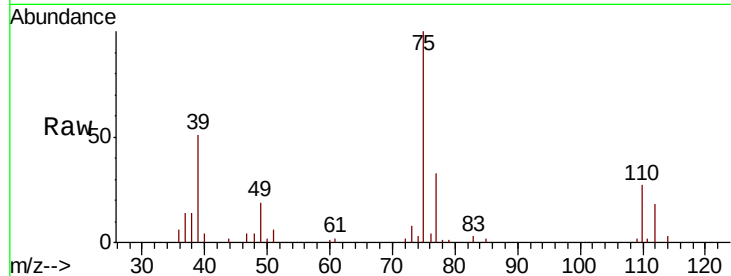




#39
 cis-1,3-Dichloropropene
 Concen: 9.459 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

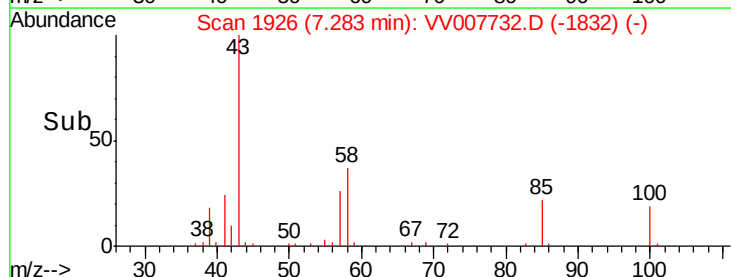
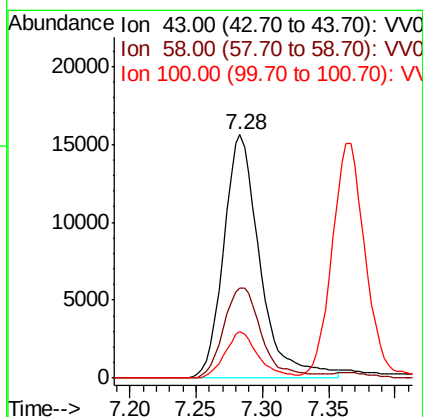
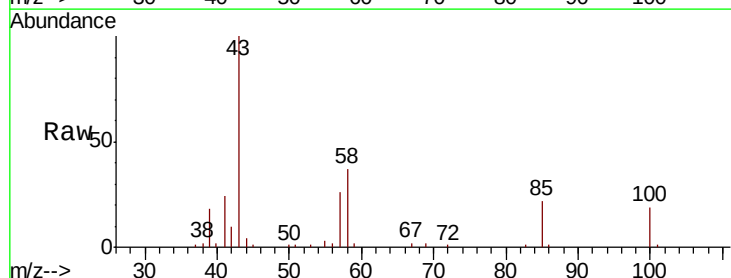
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

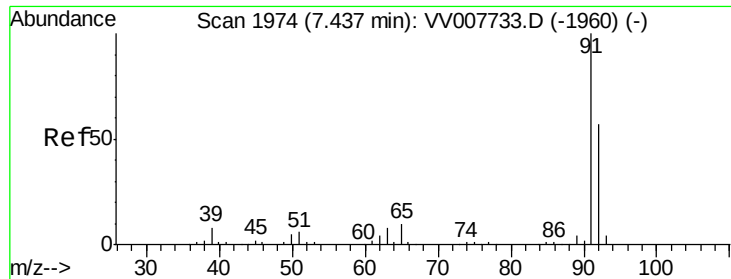
Tgt Ion: 75 Resp: 16471
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 19.854 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion: 43 Resp: 29769
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.5 47.3
 100 17.5 14.7 22.1





#42

Toluene

Concen: 10.130 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

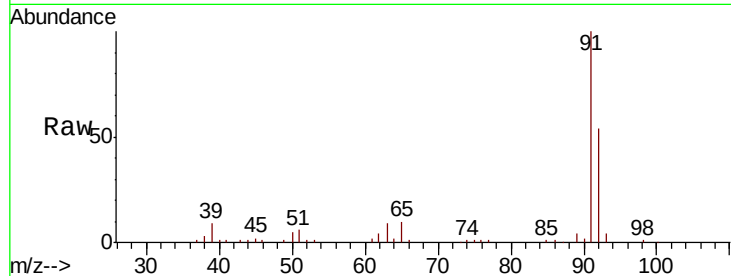
VSTD01064

Tgt Ion: 91 Resp: 52803

Ion Ratio Lower Upper

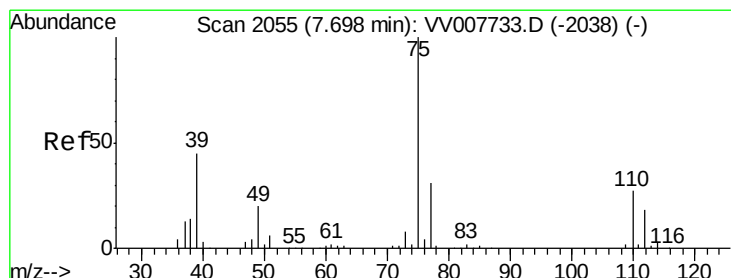
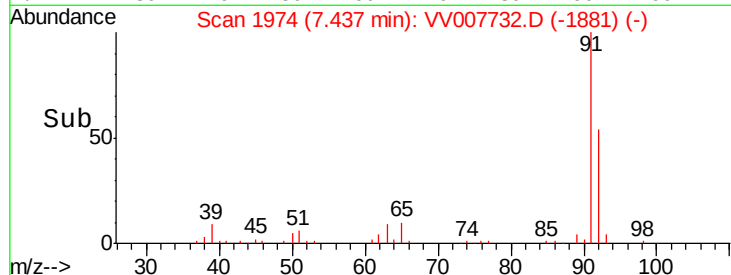
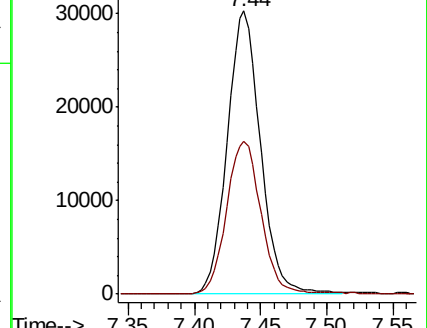
91 100

92 53.8 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.879 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007732.D

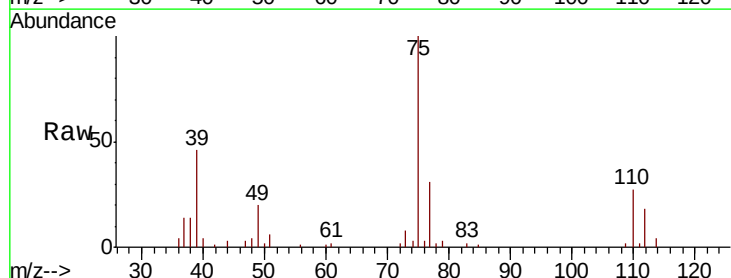
Acq: 22 Sep 2018 13:59

Tgt Ion: 75 Resp: 14644

Ion Ratio Lower Upper

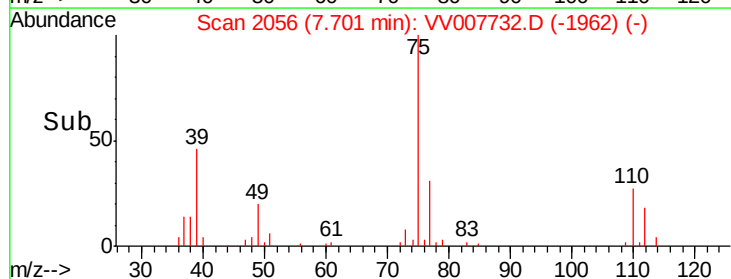
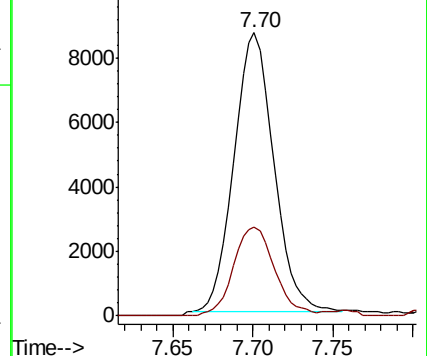
75 100

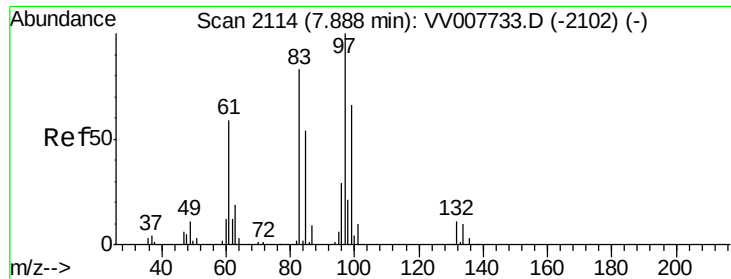
77 31.3 22.0 40.8



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

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

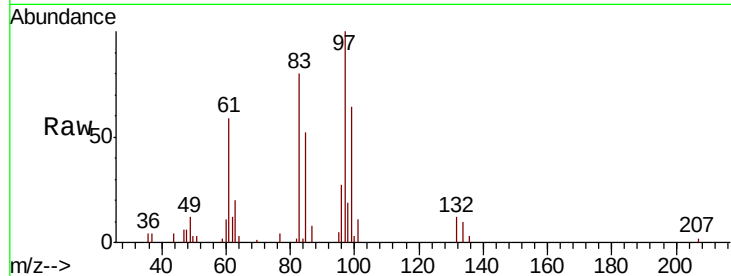




#45
 1,1,2-Trichloroethane
 Concen: 9.947 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion:	97	Resp:	12476
Ion	Ratio	Lower	Upper
97	100		
99	63.9	45.8	85.2
83	79.7	58.2	108.0
85	51.9	38.0	70.6



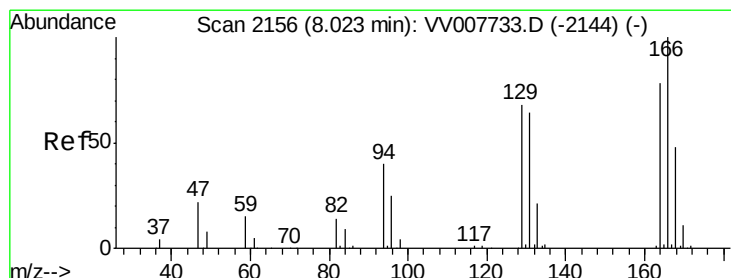
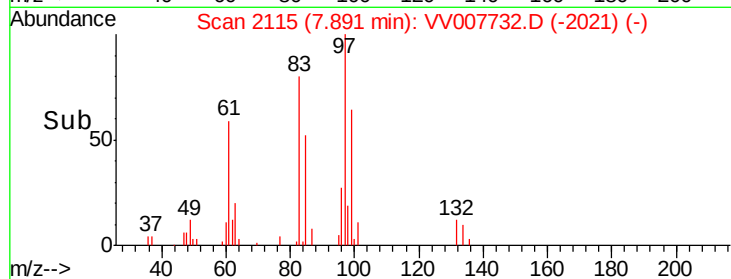
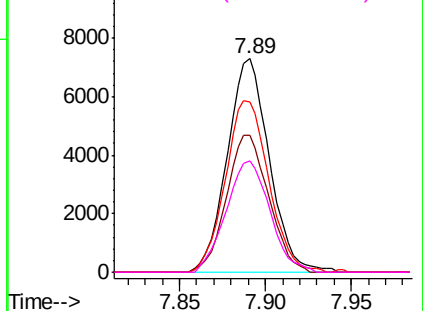
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

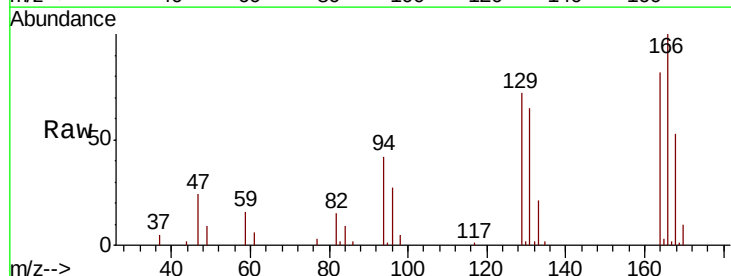
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 10.552 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion:	164	Resp:	13891
Ion	Ratio	Lower	Upper
164	100		
129	88.1	61.0	113.4
131	79.2	57.8	107.4
166	121.8	89.9	167.0



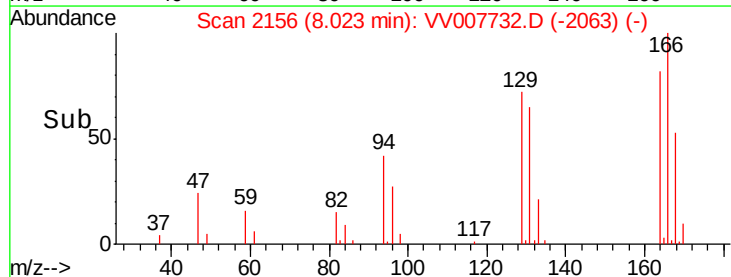
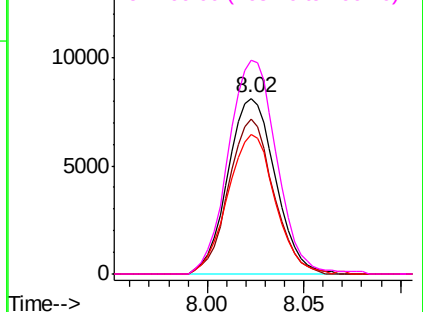
Abundance

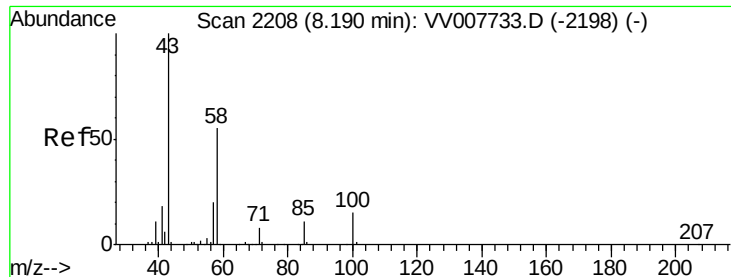
Ion 164.00 (163.70 to 164.70): V

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

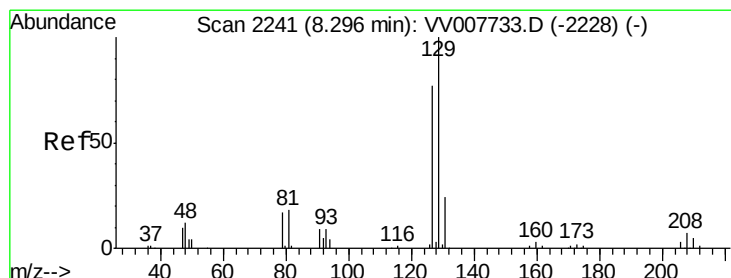
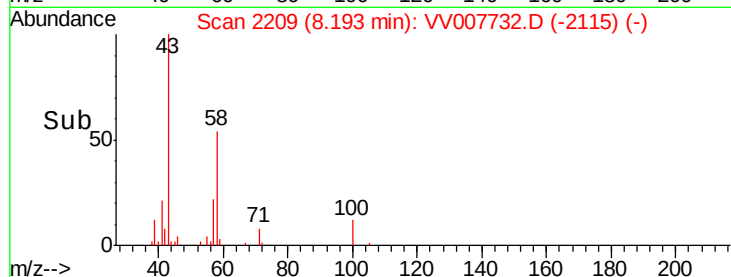
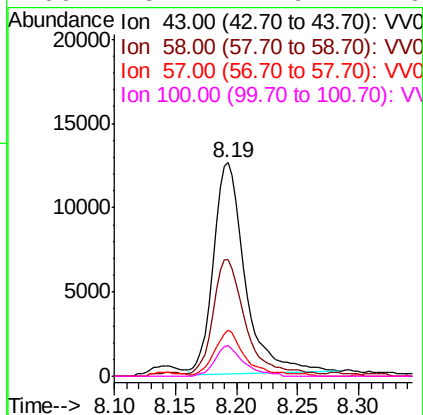
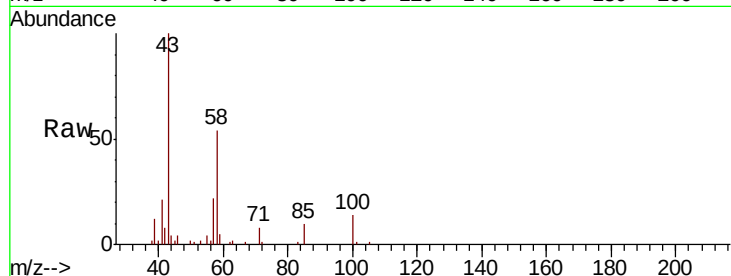




#48
2-Hexanone
Concen: 19.470 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

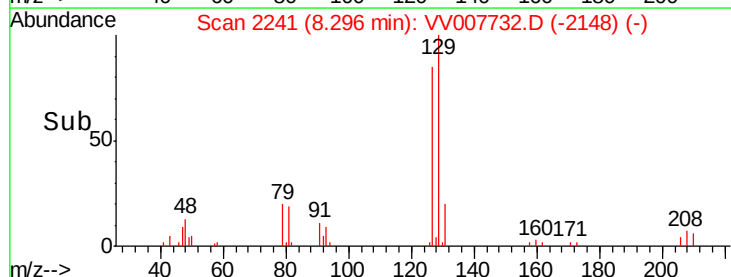
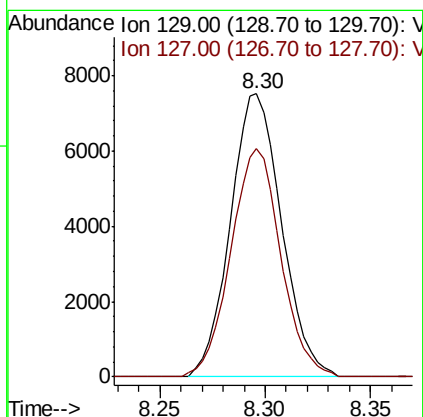
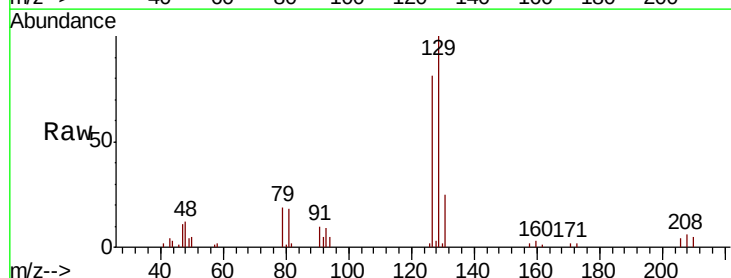
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

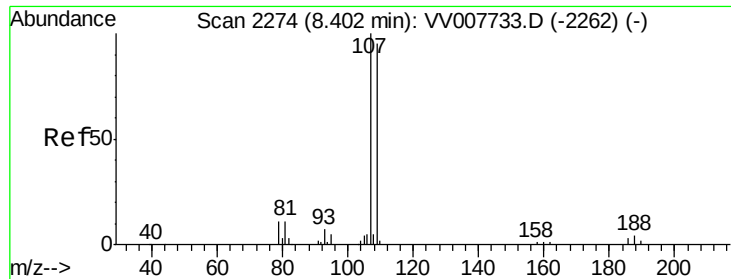
Tgt Ion:	43	Resp:	22835
Ion	Ratio	Lower	Upper
43	100		
58	56.3	41.4	62.0
57	19.5	16.0	24.0
100	13.2	11.9	17.9



#49
Dibromochloromethane
Concen: 8.933 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Tgt Ion:	129	Resp:	12663
Ion	Ratio	Lower	Upper
129	100		
127	80.7	54.0	100.2

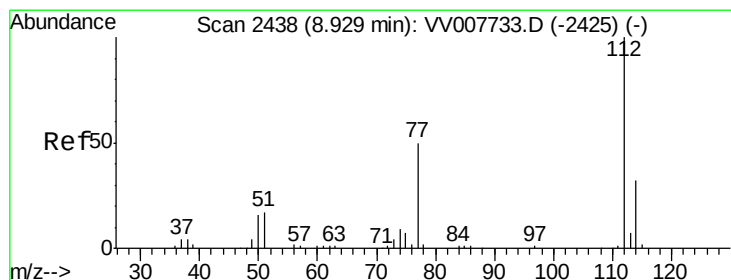
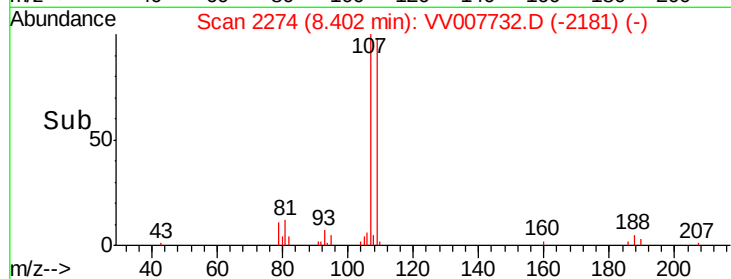
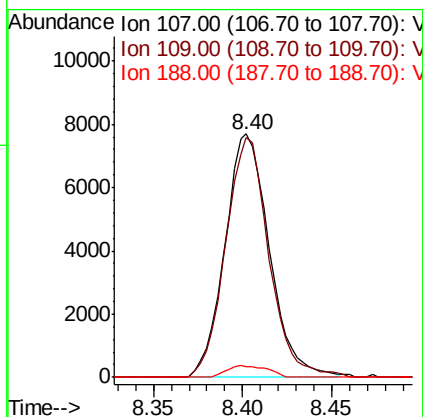
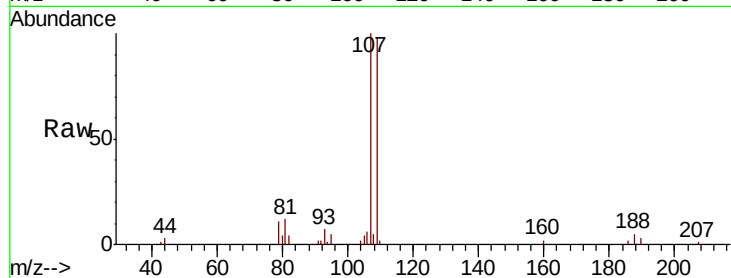




#50
 1,2-Dibromoethane
 Concen: 9.675 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

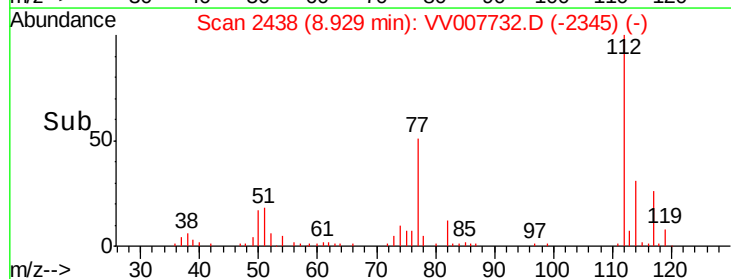
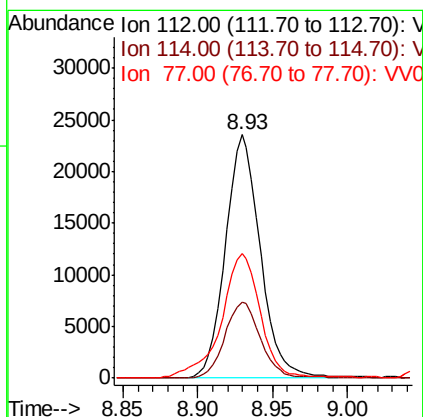
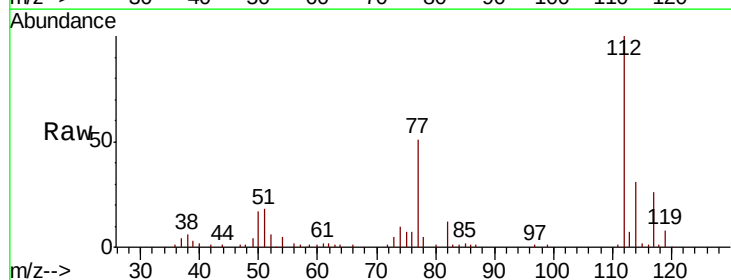
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

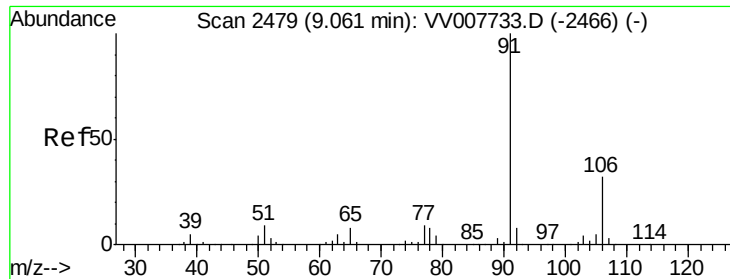
Tgt Ion:107 Resp: 13322
 Ion Ratio Lower Upper
 107 100
 109 98.5 66.4 123.2
 188 4.6 3.5 5.3



#51
 Chlorobenzene
 Concen: 10.192 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion:112 Resp: 38255
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.3 41.3
 77 51.0 40.6 60.8





#52

Ethylbenzene

Concen: 9.636 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

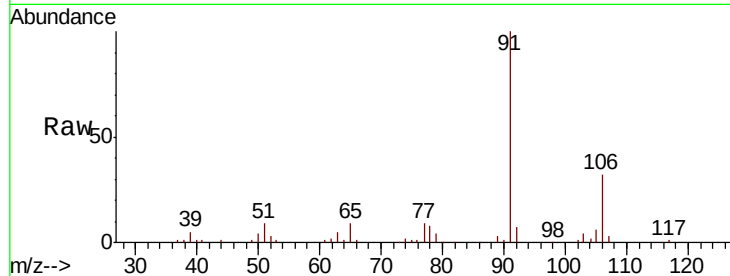
VSTD01064

Tgt Ion: 91 Resp: 57405

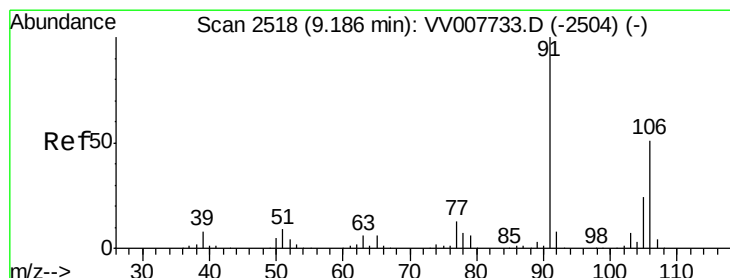
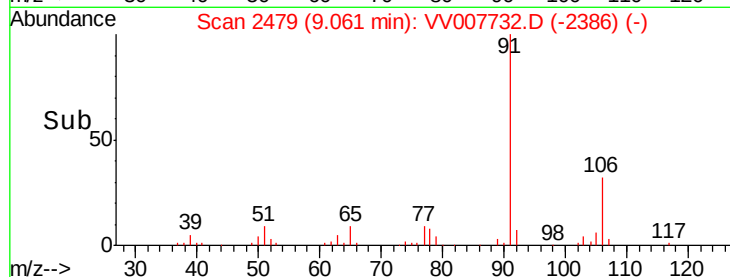
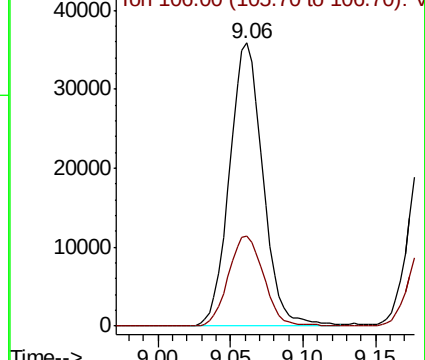
Ion Ratio Lower Upper

91 100

106 31.9 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007732.D (-2386) (-)



#53

m,p-Xylene

Concen: 9.702 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007732.D

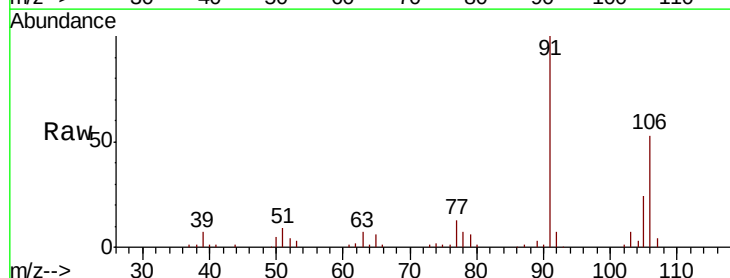
Acq: 22 Sep 2018 13:59

Tgt Ion: 106 Resp: 22963

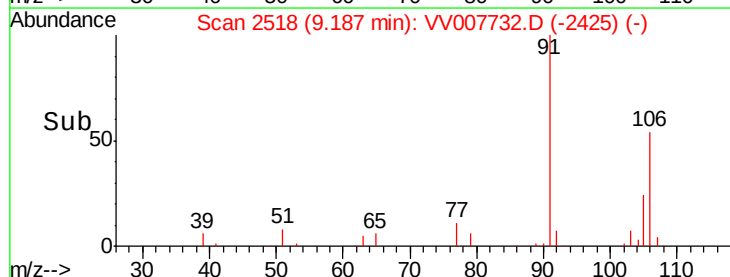
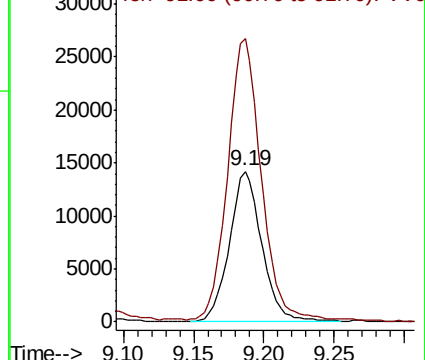
Ion Ratio Lower Upper

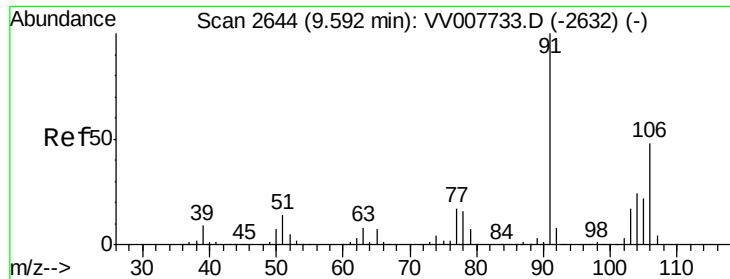
106 100

91 187.6 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007732.D (-2425) (-)

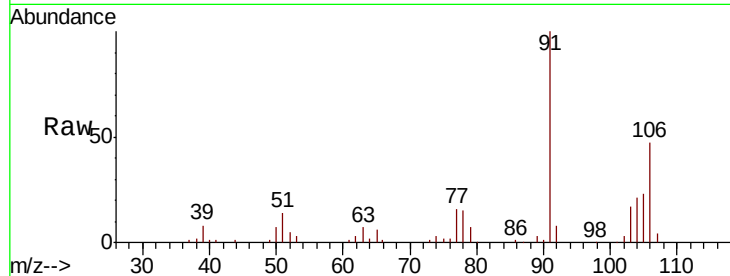




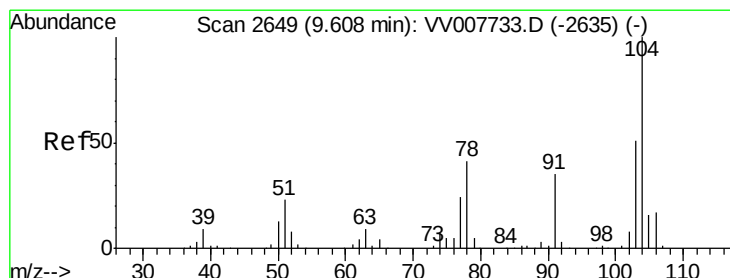
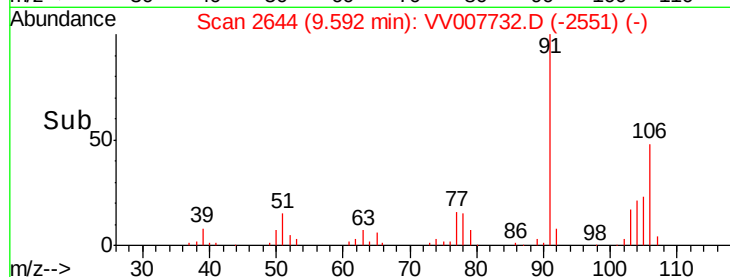
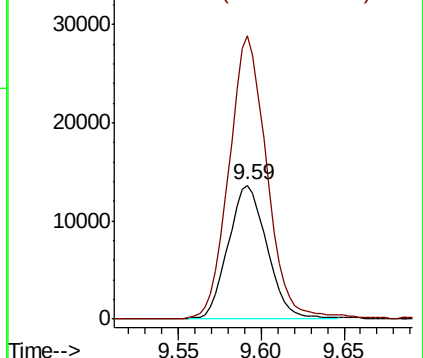
#54
o-xylene
Concen: 9.459 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion:106 Resp: 22224
Ion Ratio Lower Upper
106 100
91 211.1 145.5 270.3

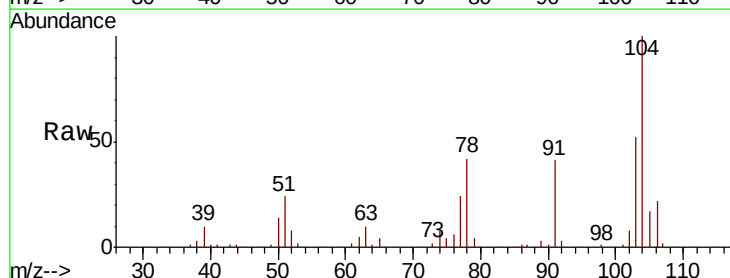


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

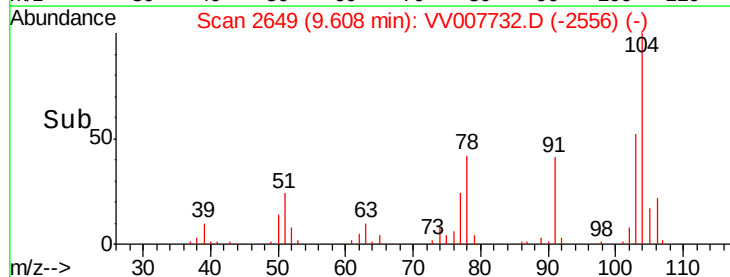
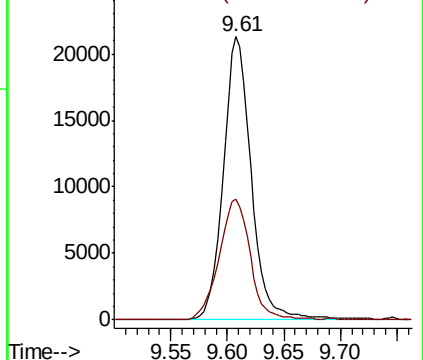


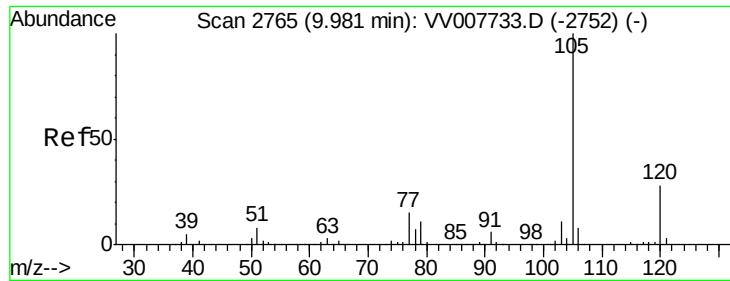
#55
Styrene
Concen: 9.168 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Tgt Ion:104 Resp: 36497
Ion Ratio Lower Upper
104 100
78 42.5 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: 9.426 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

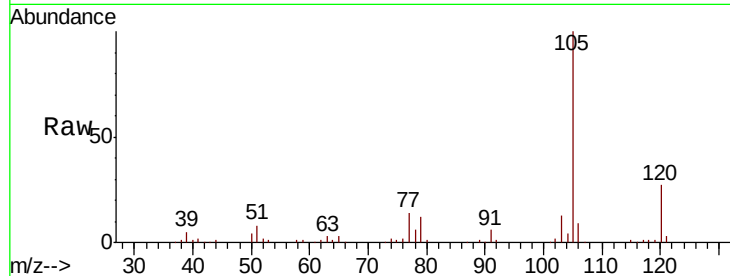
Tgt Ion:105 Resp: 58981

Ion Ratio Lower Upper

105 100

120 27.8 22.0 33.0

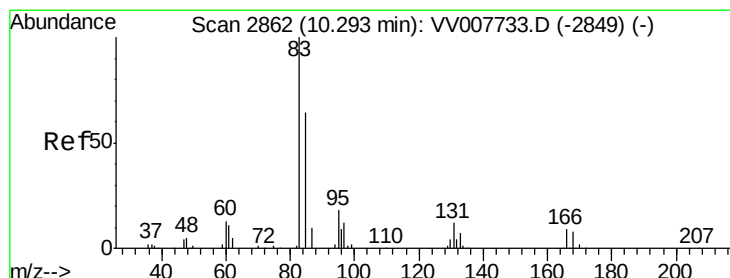
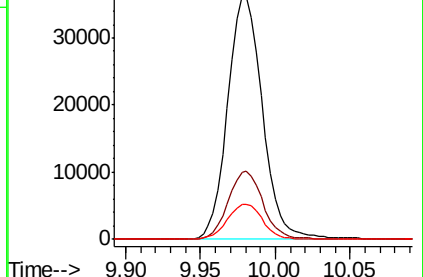
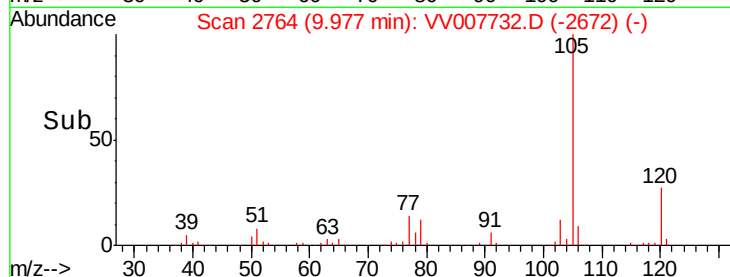
77 14.6 12.1 18.1



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: 9.359 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

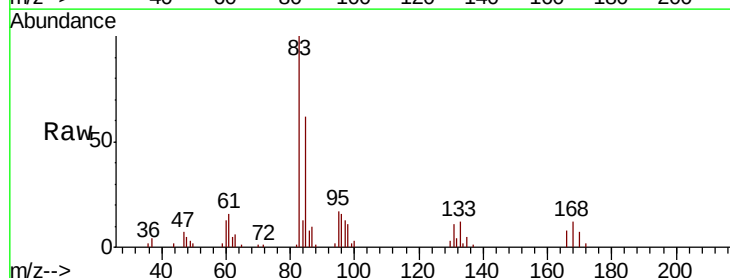
Tgt Ion: 83 Resp: 19766

Ion Ratio Lower Upper

83 100

85 61.8 45.4 84.4

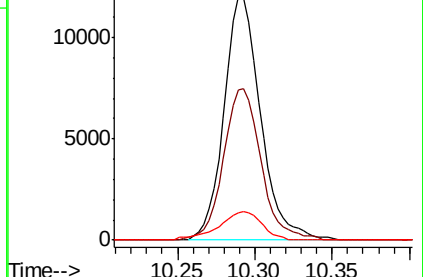
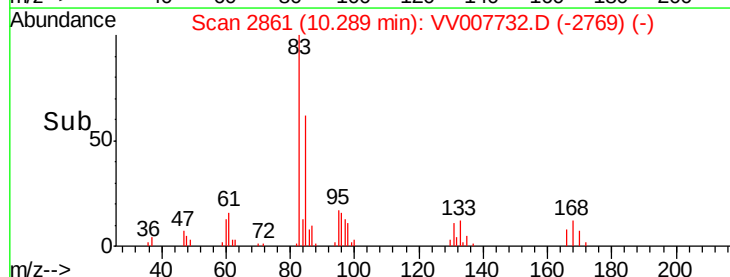
131 11.3 9.8 14.8

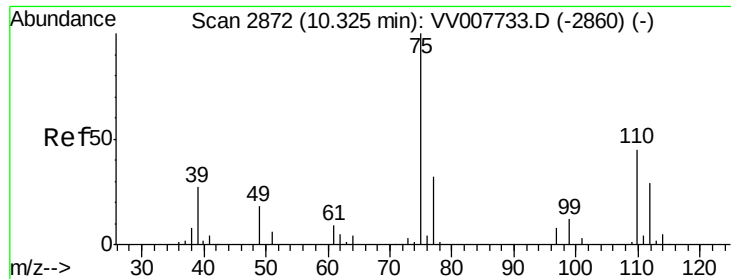


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

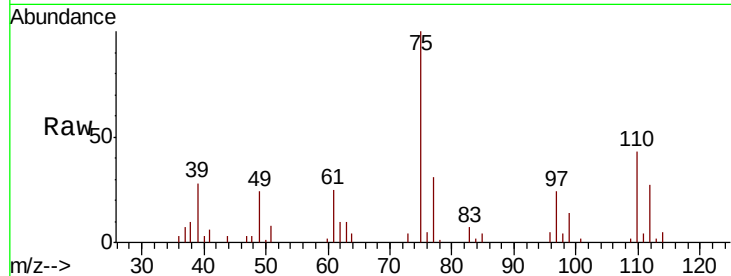




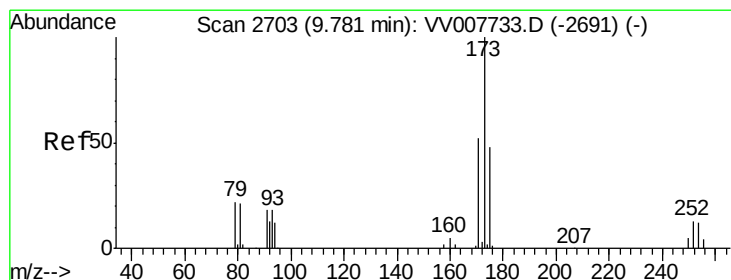
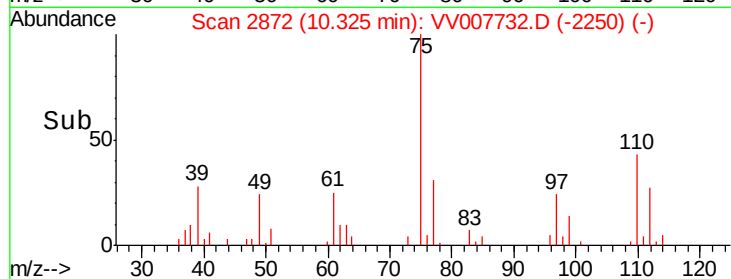
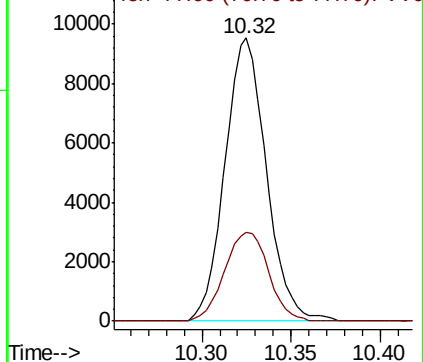
#59
 1,2,3-Trichloropropane
 Concen: 9.310 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion: 75 Resp: 15423
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.6 38.4

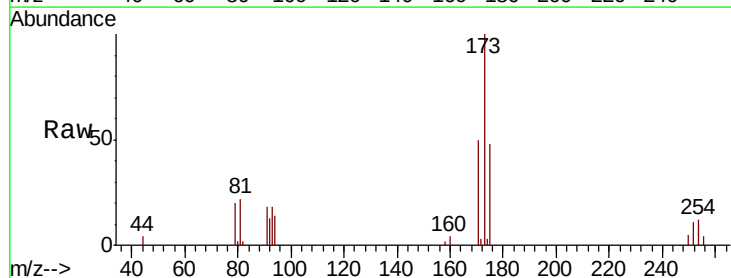


Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0

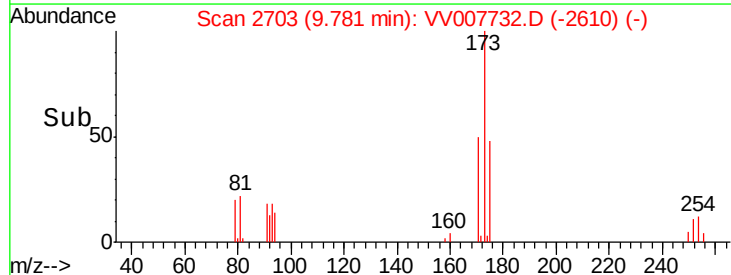
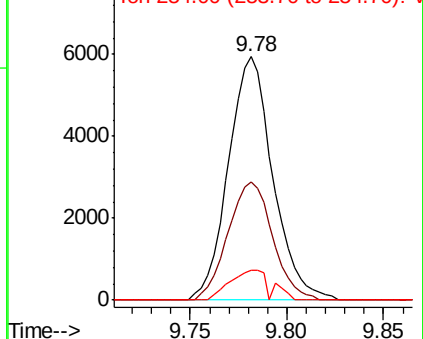


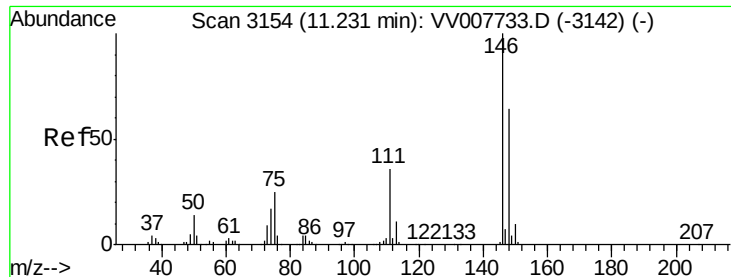
#61
 Bromoform
 Concen: 9.154 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion: 173 Resp: 9487
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.7 58.1
 254 9.3 9.7 14.5#



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V

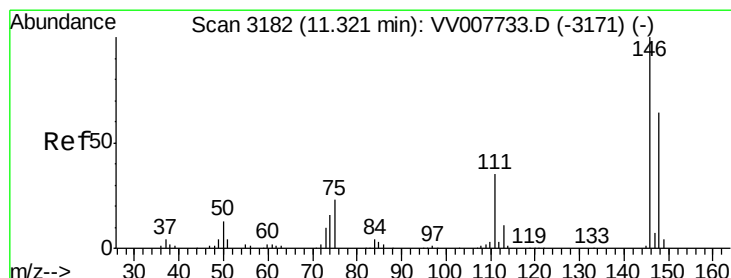
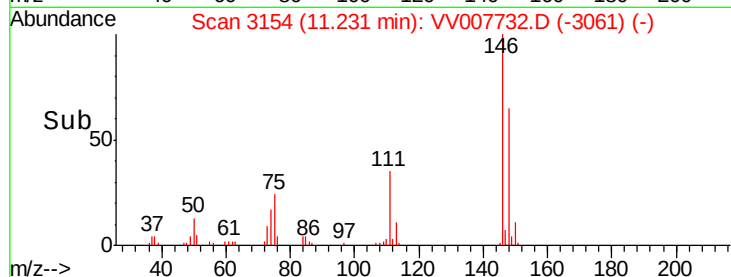
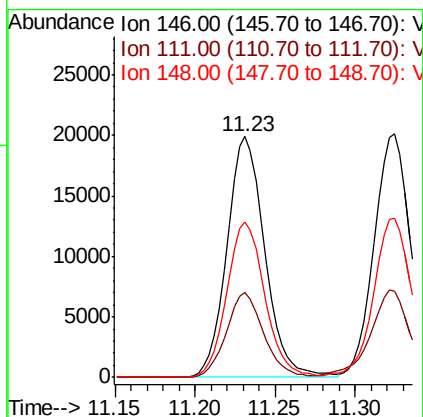
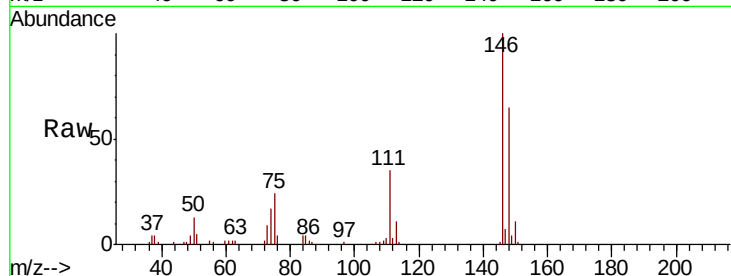




#62
 1,3-Dichlorobenzene
 Concen: 10.276 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

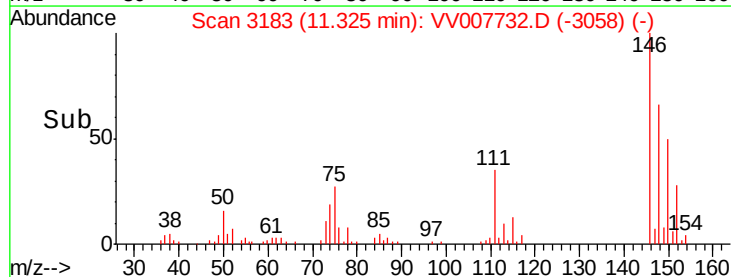
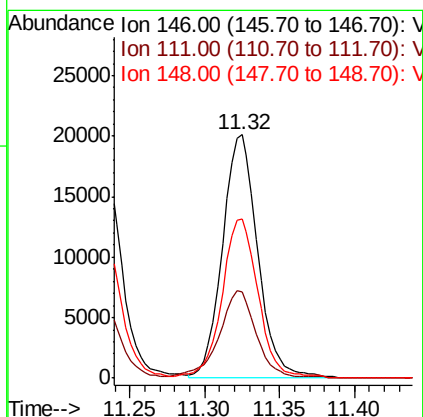
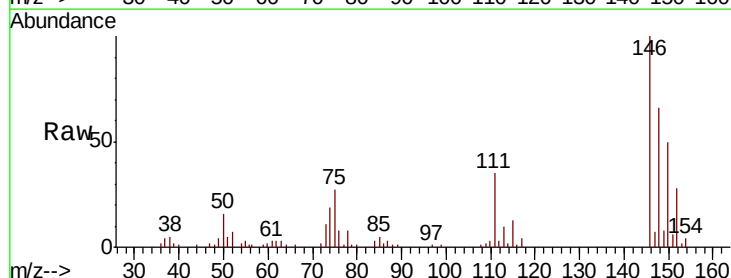
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

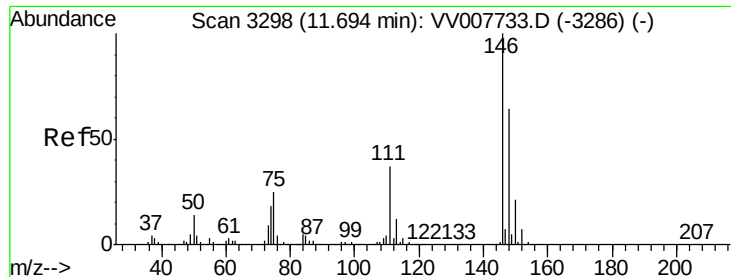
Tgt Ion:146 Resp: 32090
 Ion Ratio Lower Upper
 146 100
 111 35.2 25.1 46.7
 148 64.7 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 10.396 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion:146 Resp: 33111
 Ion Ratio Lower Upper
 146 100
 111 35.4 24.4 45.4
 148 65.5 45.1 83.7

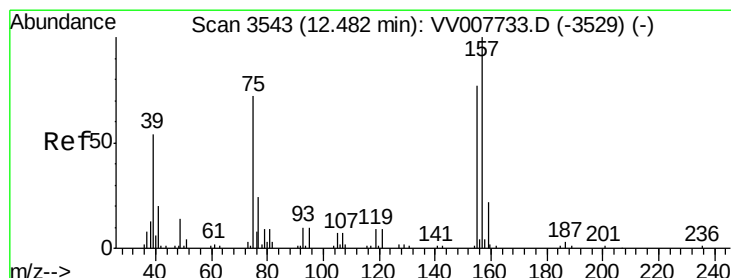
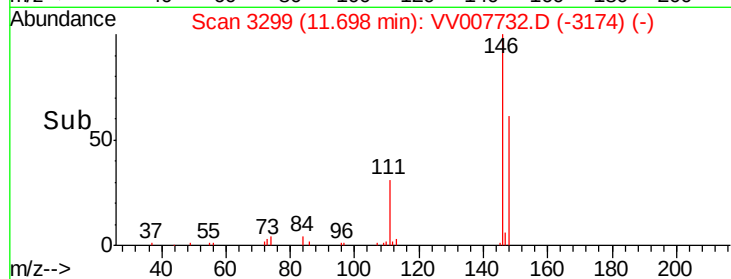
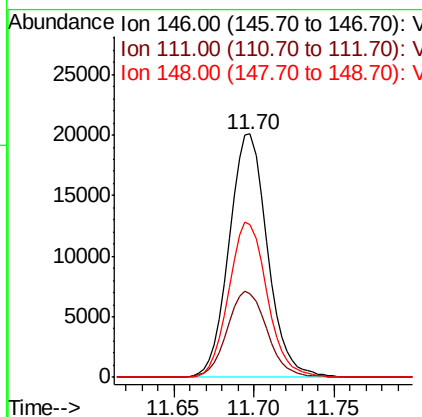
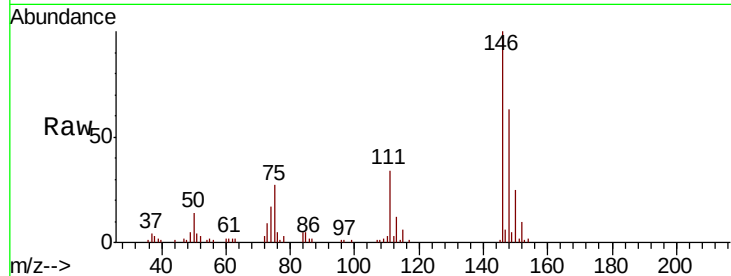




#65
 1,2-Dichlorobenzene
 Concen: 10.082 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

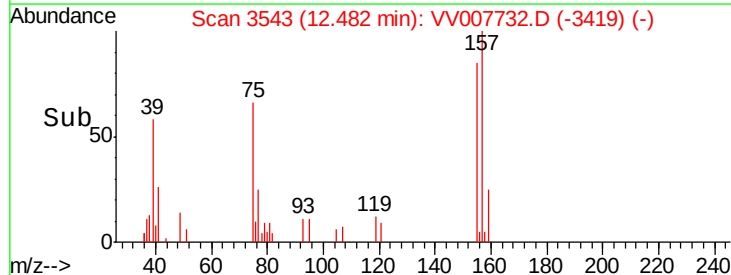
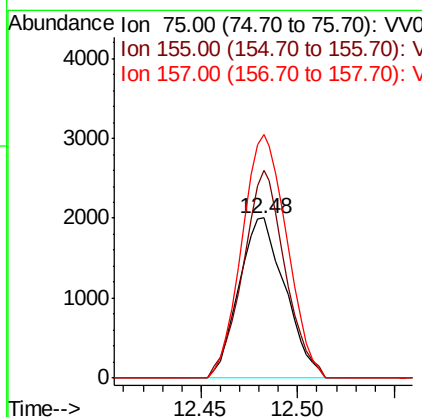
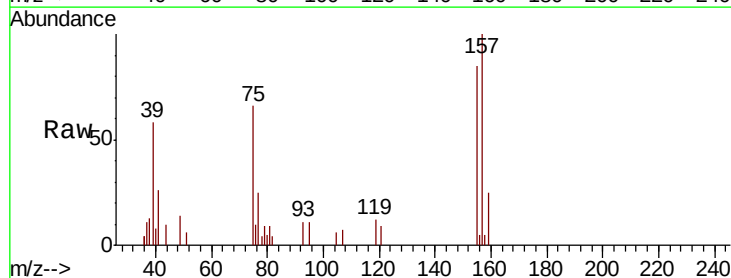
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

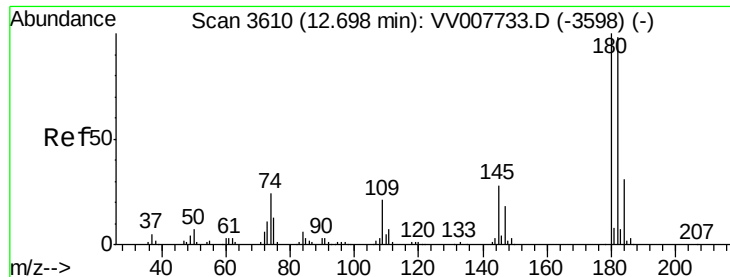
Tgt Ion:146 Resp: 32771
 Ion Ratio Lower Upper
 146 100
 111 34.4 29.8 44.8
 148 63.0 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.687 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007732.D
 Acq: 22 Sep 2018 13:59

Tgt Ion: 75 Resp: 3333
 Ion Ratio Lower Upper
 75 100
 155 129.7 86.0 129.0#
 157 152.0 111.5 167.3

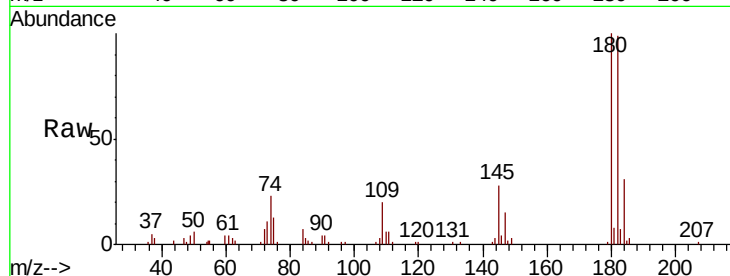




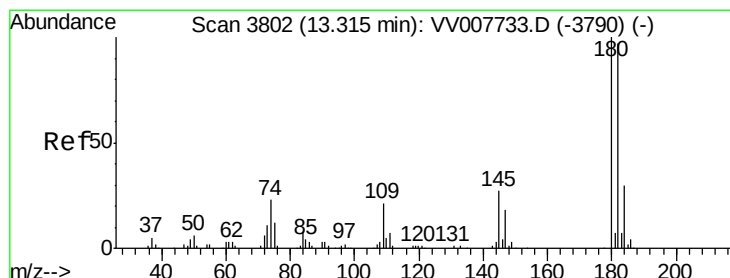
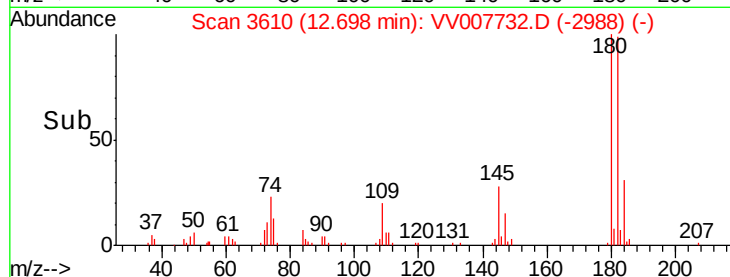
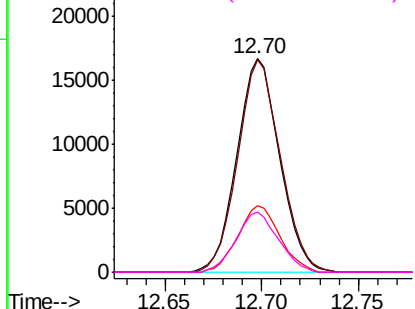
#67
1,3,5-Trichlorobenzene
Concen: 10.330 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion:180 Resp: 25608
Ion Ratio Lower Upper
180 100
182 98.9 77.6 116.4
184 30.5 24.7 37.1
145 27.9 21.8 32.8

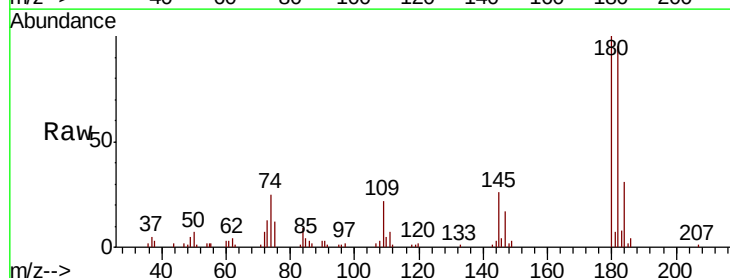


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V

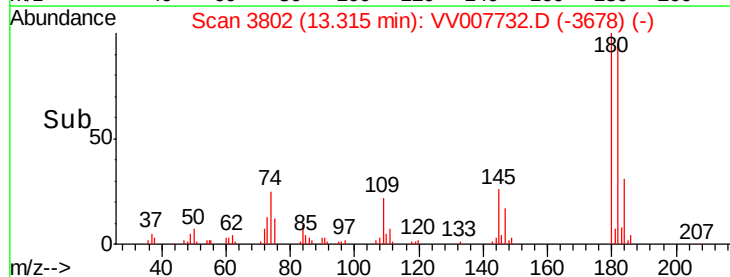
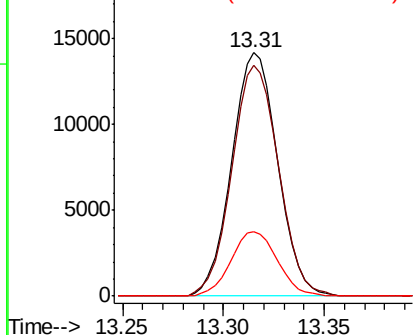


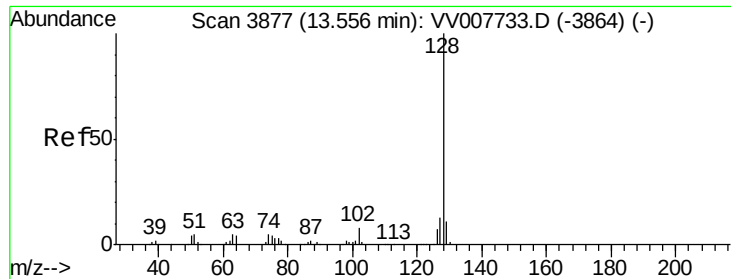
#68
1,2,4-trichlorobenzene
Concen: 11.015 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. 0.00 min
Lab File: VV007732.D
Acq: 22 Sep 2018 13:59

Tgt Ion:180 Resp: 22643
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.6
145 26.7 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: 10.707 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

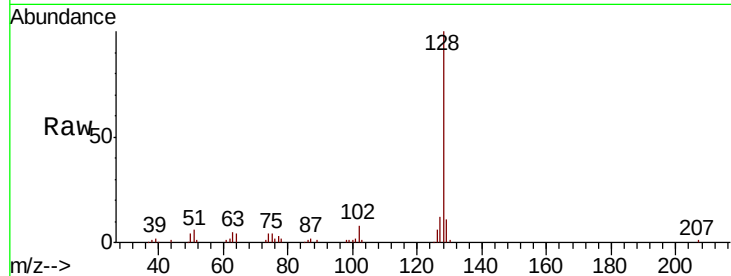
Tgt Ion:128 Resp: 56783

Ion Ratio Lower Upper

128 100

127 12.2 10.6 15.8

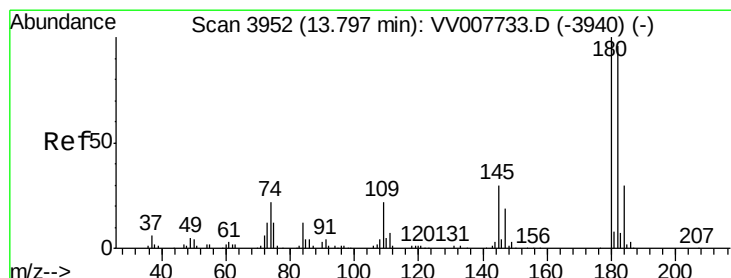
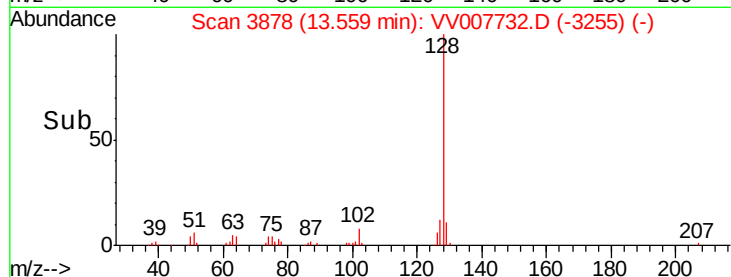
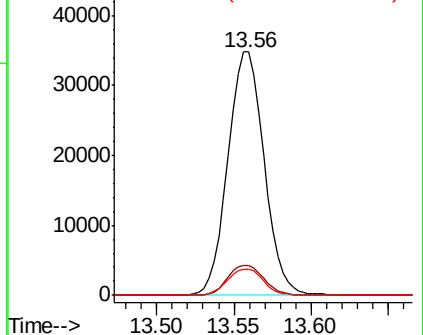
129 10.7 8.6 13.0



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: 11.190 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007732.D

Acq: 22 Sep 2018 13:59

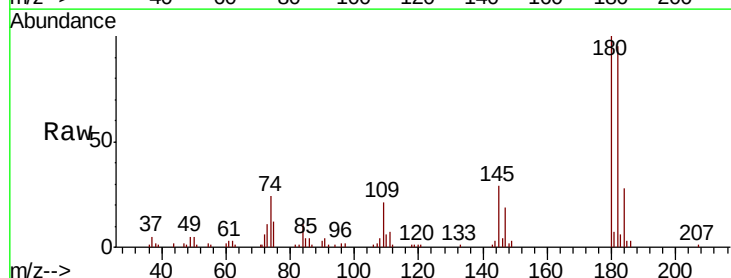
Tgt Ion:180 Resp: 23727

Ion Ratio Lower Upper

180 100

182 94.1 77.4 116.2

145 28.0 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

