

Data File : VV008733.D
Acq On : 28 Nov 2018 13:23
Operator : SY/MD
Sample : VSTD00564
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Quant Time: Nov 29 02:07:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 29 02:03:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	172527	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	158427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75226	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49764	6.07	ug/L	0.00
7) Chloroethane-d5	1.59	69	35928	5.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	92301	5.65	ug/L	0.00
20) 2-Butanone-d5	3.96	46	132498	48.21	ug/L	0.00
24) Chloroform-d	4.41	84	113294	5.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	55689	5.16	ug/L	0.00
32) Benzene-d6	5.10	84	231670	5.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	69025	5.11	ug/L	0.00
41) Toluene-d8	7.36	98	213066	5.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	25592	5.00	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	96534	42.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46874	4.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	70977	5.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	74451	5.180 ug/L	100
3) Chloromethane	1.25	50	59870	4.992 ug/L	100
5) Vinyl chloride	1.33	62	58975	5.302 ug/L	100
6) Bromomethane	1.54	94	35388	5.109 ug/L	100
8) Chloroethane	1.60	64	29879	4.701 ug/L	100
9) Trichlorofluoromethane	1.77	101	85896	5.537 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	48930	5.443 ug/L	100
12) 1,1-Dichloroethene	2.14	96	43501	5.315 ug/L	100
13) Acetone	2.21	43	64961	46.070 ug/L	100
14) Carbon disulfide	2.32	76	131919	5.177 ug/L	100
15) Methyl Acetate	2.47	43	16542	4.645 ug/L	100
16) Methylene chloride	2.54	84	44840	4.570 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	103927	4.892 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	47151	5.308 ug/L	100
19) 1,1-Dichloroethane	3.23	63	106555	4.885 ug/L	100
21) 2-Butanone	4.05	43	137670	43.879 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	63326	4.856 ug/L	100
23) Bromochloromethane	4.31	128	26016	5.162 ug/L	100
25) Chloroform	4.43	83	107388	3.928 ug/L	100
27) 1,2-Dichloroethane	5.19	62	63578	4.657 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	95538	4.810 ug/L	100
30) Cyclohexane	4.73	56	100343	4.582 ug/L	100
31) Carbon tetrachloride	4.88	117	79557	4.725 ug/L	100
33) Benzene	5.15	78	235013	4.723 ug/L	100
34) Trichloroethene	5.96	95	65267	4.903 ug/L	100
35) Methylcyclohexane	6.18	83	105592	4.740 ug/L	100
37) 1,2-Dichloropropane	6.23	63	61390	4.715 ug/L	100
38) Bromodichloromethane	6.56	83	68187	4.312 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	81271	4.619 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	317383	42.319 ug/L	100

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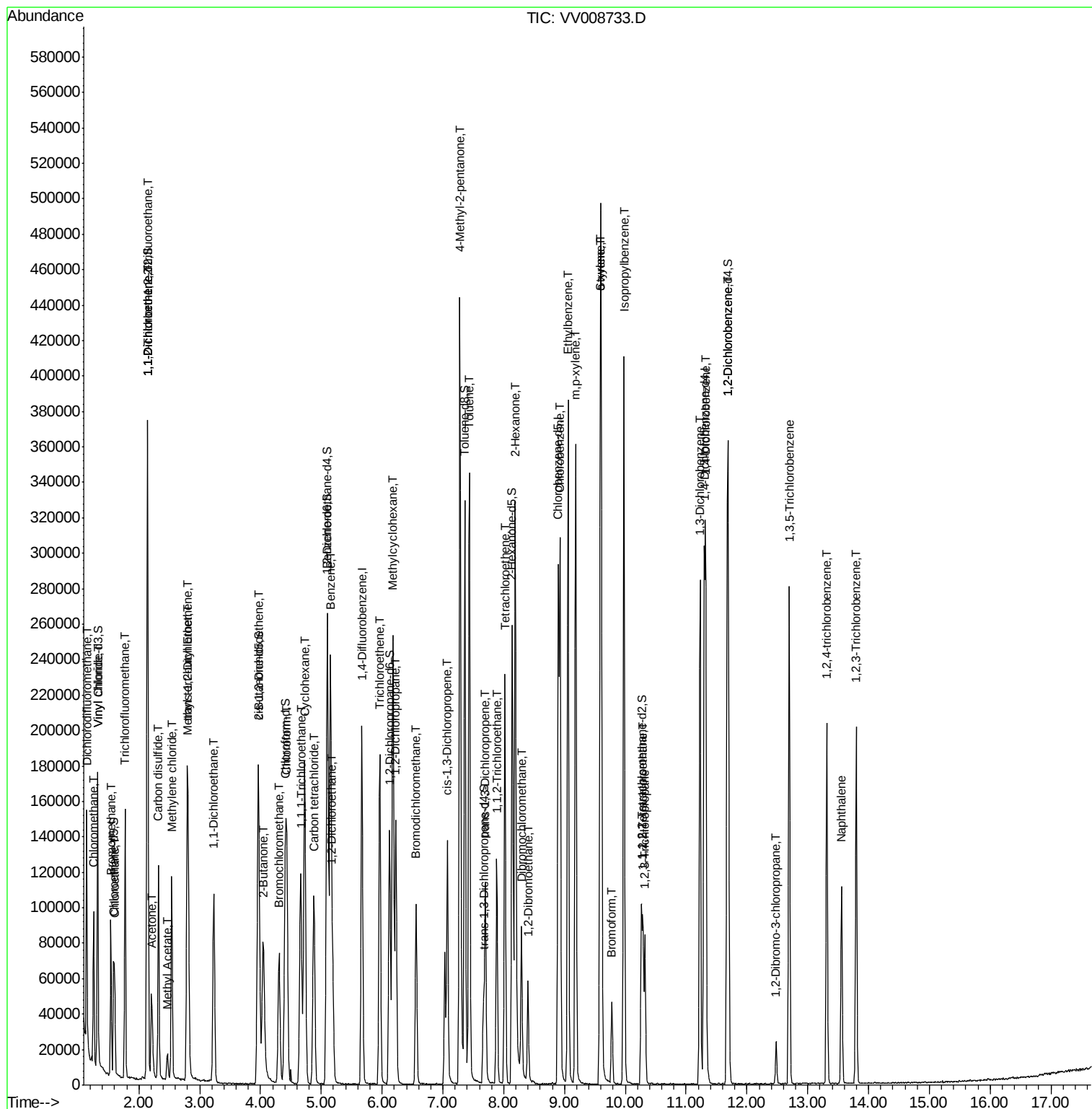
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	248682	4.788	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	63284	4.496	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	39990	4.798	ug/L	100
47) Tetrachloroethene	8.02	164	50337	5.173	ug/L	100
48) 2-Hexanone	8.19	43	222196	43.936	ug/L	100
49) Dibromochloromethane	8.29	129	41898	4.484	ug/L	100
50) 1,2-Dibromoethane	8.40	107	36963	4.921	ug/L	100
51) Chlorobenzene	8.93	112	161765	4.988	ug/L	100
52) Ethylbenzene	9.06	91	269790	4.729	ug/L	100
53) m,p-xylene	9.18	106	103206	4.868	ug/L	100
54) o-xylene	9.59	106	98859	4.804	ug/L	100
55) Styrene	9.60	104	163272	4.908	ug/L	100
56) Isopropylbenzene	9.98	105	261672	4.745	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	43804	4.523	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	33668	4.568	ug/L	100
61) Bromoform	9.78	173	21141	4.467	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	118042	4.856	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	119627	4.961	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	112185	4.839	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	6455	4.454	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	86895	4.891	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	64706	4.583	ug/L	100
69) Naphthalene	13.56	128	92011	4.141	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	59912	4.604	ug/L	100

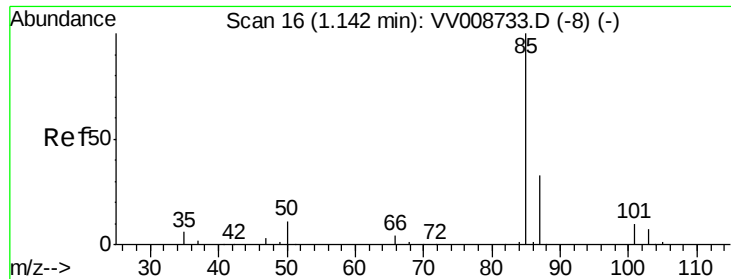
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.180 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

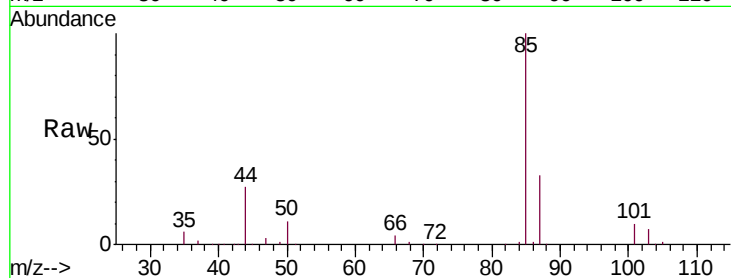
VSTD00564

Tgt Ion: 85 Resp: 74451

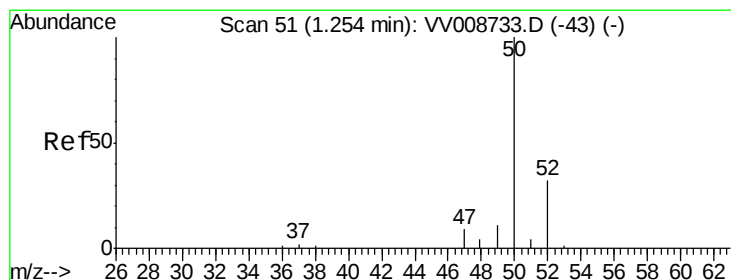
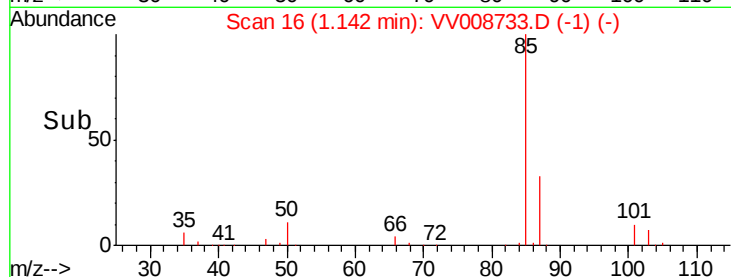
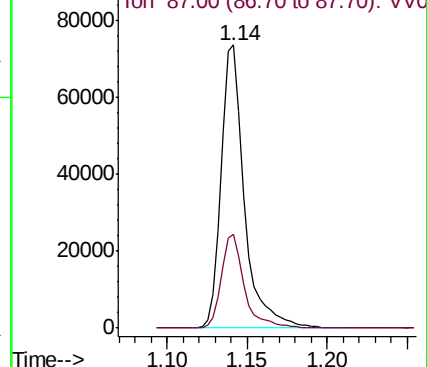
Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV008733.D (-8) (-)



#3

Chloromethane

Concen: 4.992 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008733.D

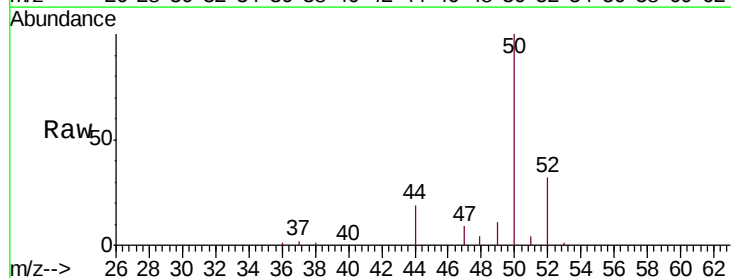
Acq: 28 Nov 2018 13:23

Tgt Ion: 50 Resp: 59870

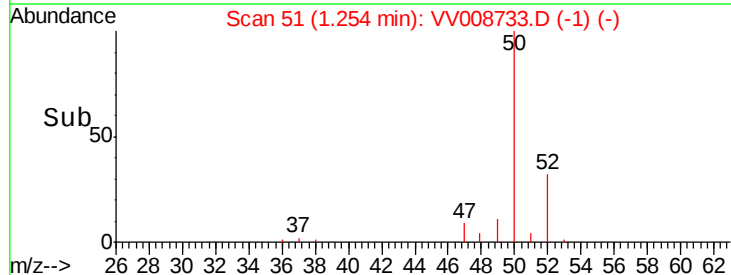
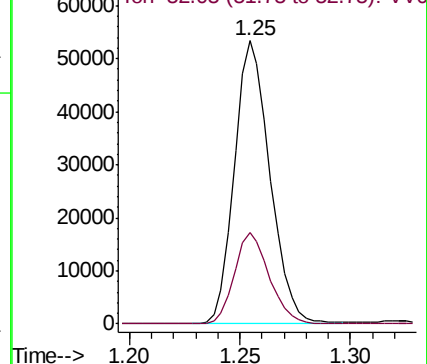
Ion Ratio Lower Upper

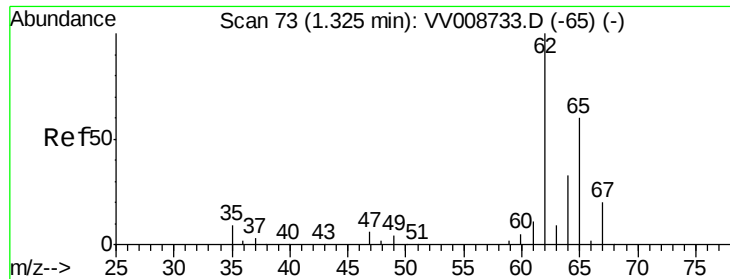
50 100

52 32.1 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV008733.D (-43) (-)





#5

Vinyl chloride

Concen: 5.302 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

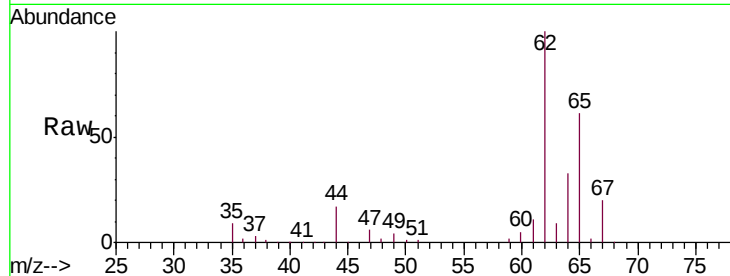
VSTD00564

Tgt Ion: 62 Resp: 58975

Ion Ratio Lower Upper

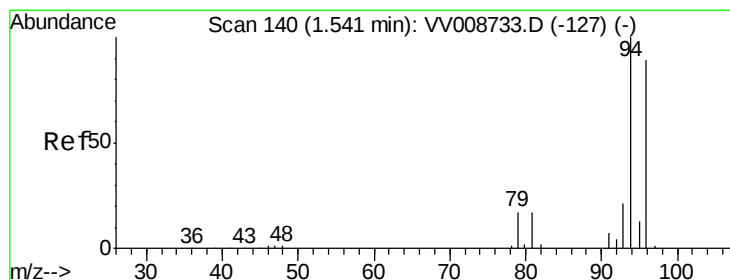
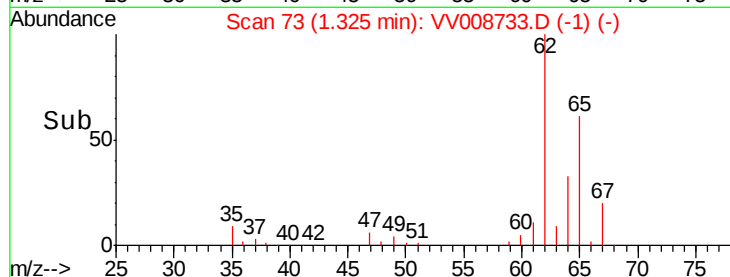
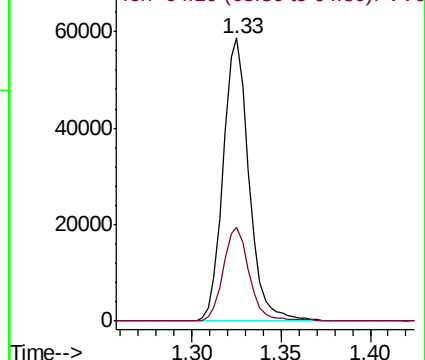
62 100

64 33.3 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.109 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008733.D

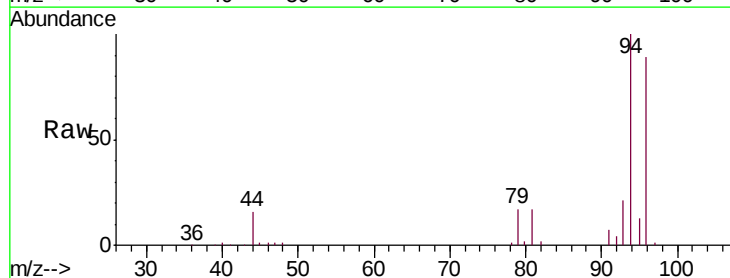
Acq: 28 Nov 2018 13:23

Tgt Ion: 94 Resp: 35388

Ion Ratio Lower Upper

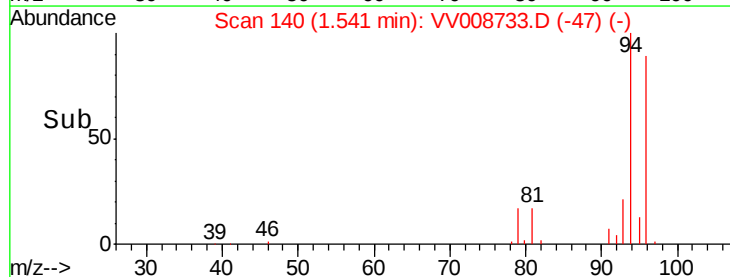
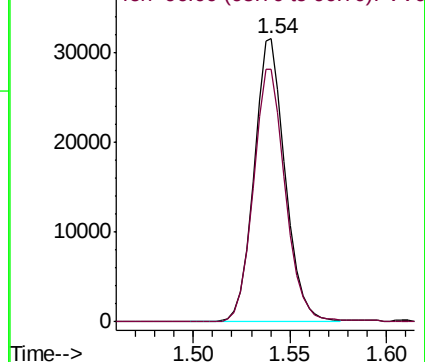
94 100

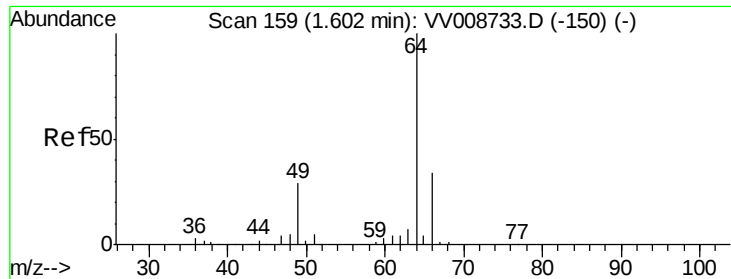
96 89.4 62.6 116.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.701 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

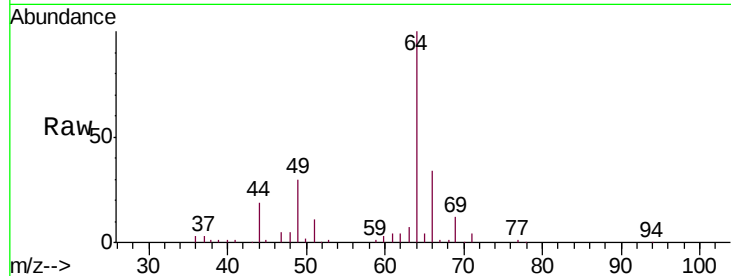
VSTD00564

Tgt Ion: 64 Resp: 29879

Ion Ratio Lower Upper

64 100

66 34.3 24.0 44.6

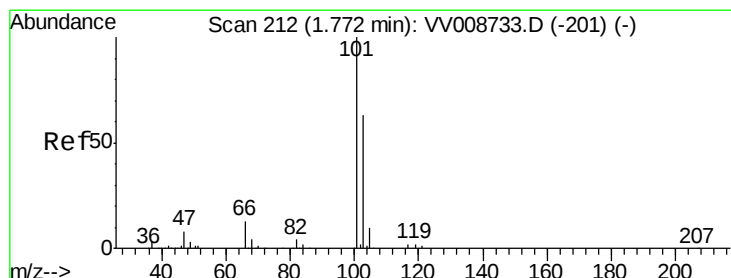
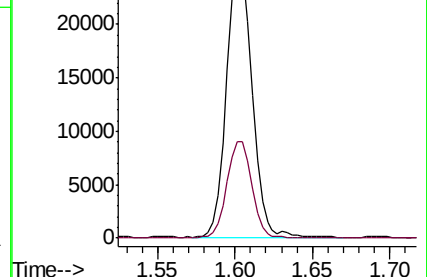
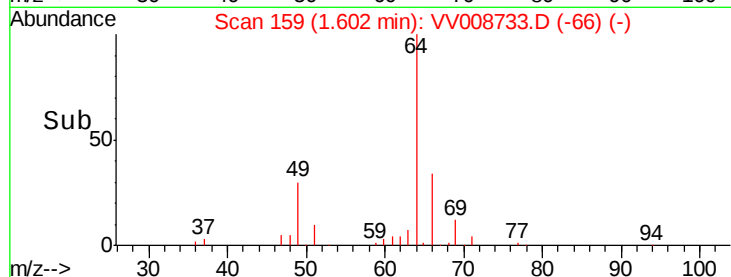


Abundance Ion 64.10 (63.80 to 64.80): VV008733.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008733.D (-150) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 5.537 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008733.D

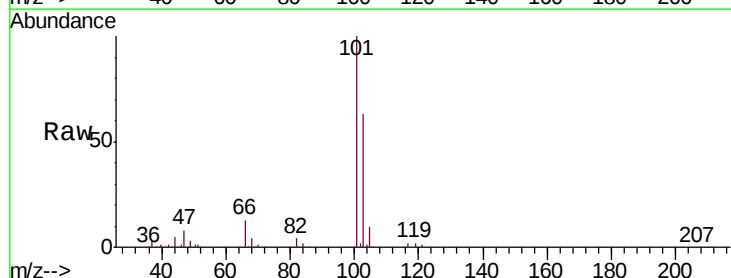
Acq: 28 Nov 2018 13:23

Tgt Ion: 101 Resp: 85896

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6

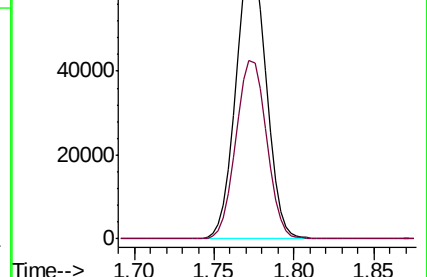
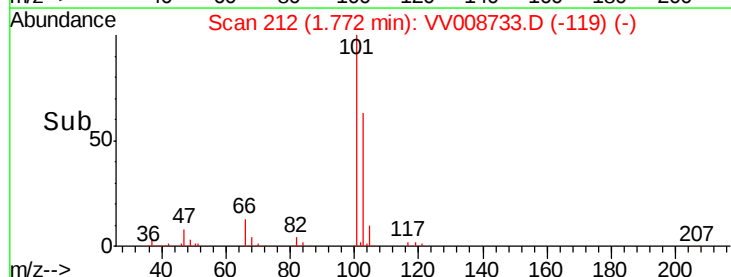


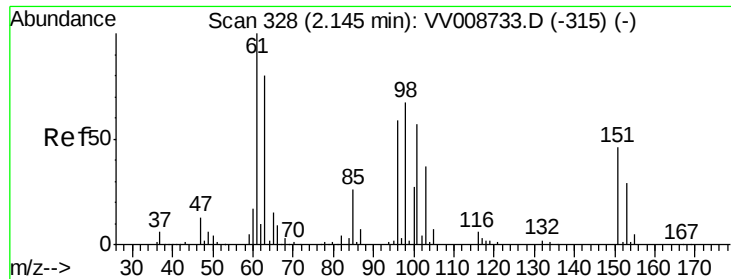
Abundance Ion 101.00 (100.70 to 101.70): VV008733.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008733.D (-201) (-)

1.77

Time-->





#10

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

Concen: 5.443 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

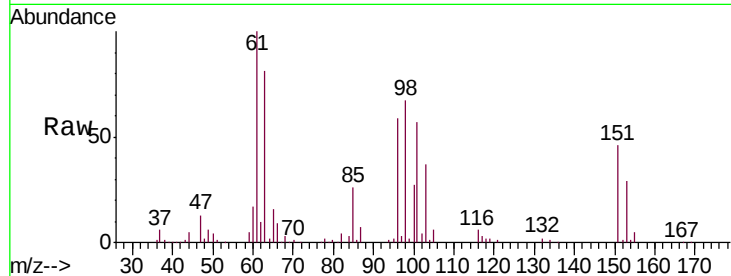
Tgt Ion:101 Resp: 48930

Ion Ratio Lower Upper

101 100

85 43.5 34.8 52.2

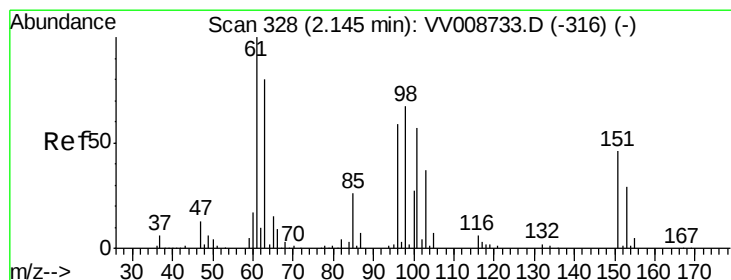
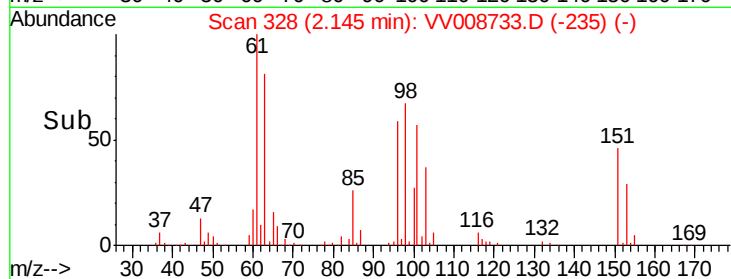
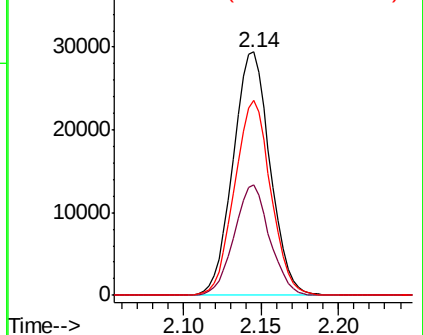
151 78.3 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.315 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

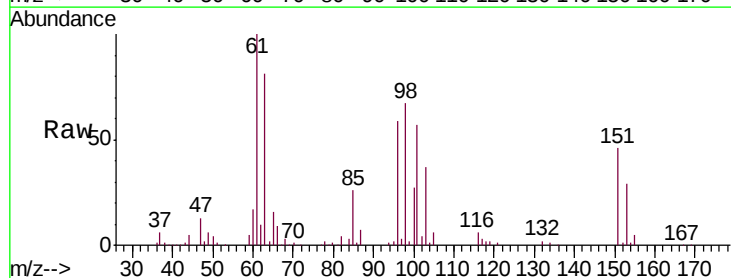
Tgt Ion: 96 Resp: 43501

Ion Ratio Lower Upper

96 100

61 168.6 118.0 219.2

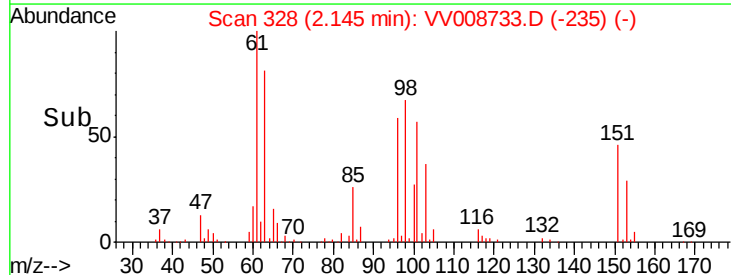
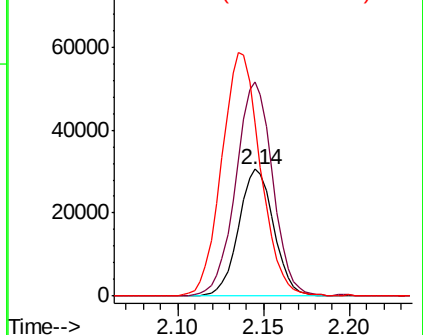
63 136.2 95.3 177.1

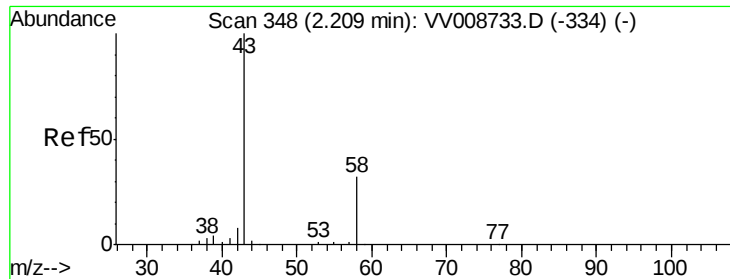


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.070 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

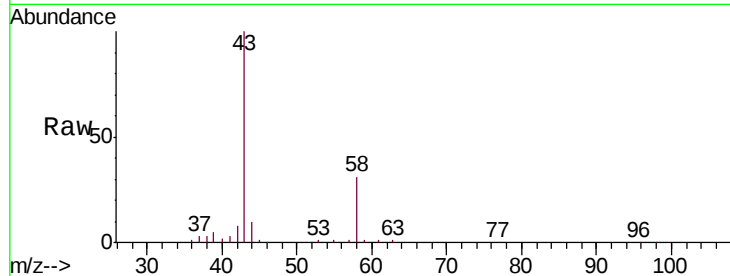
VSTD00564

Tgt Ion: 43 Resp: 64961

Ion Ratio Lower Upper

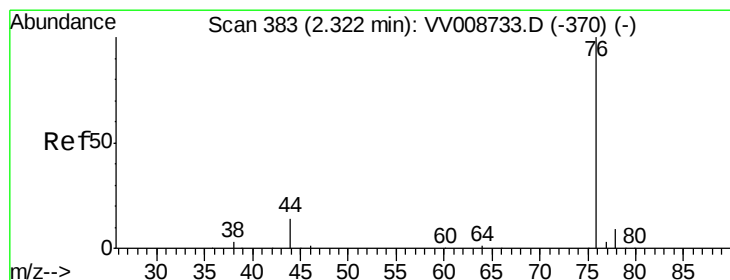
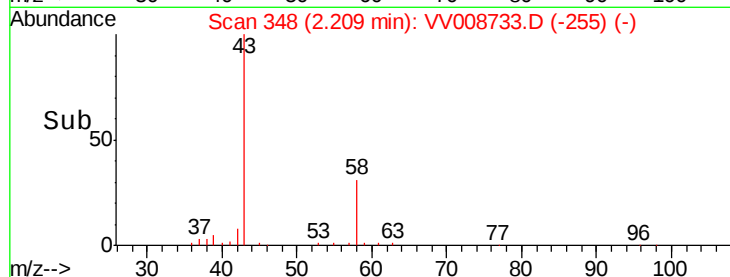
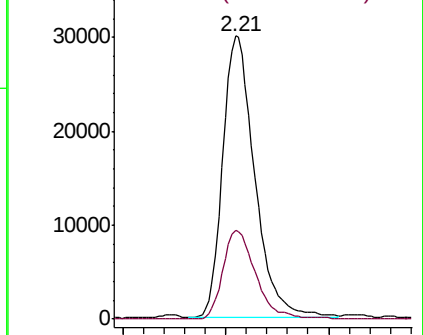
43 100

58 31.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VV008733.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV008733.D (-334) (-)



#14

Carbon disulfide

Concen: 5.177 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008733.D

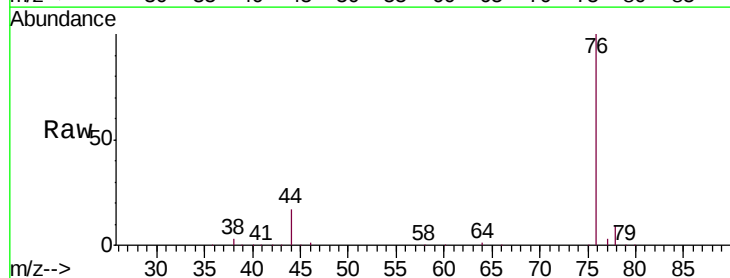
Acq: 28 Nov 2018 13:23

Tgt Ion: 76 Resp: 131919

Ion Ratio Lower Upper

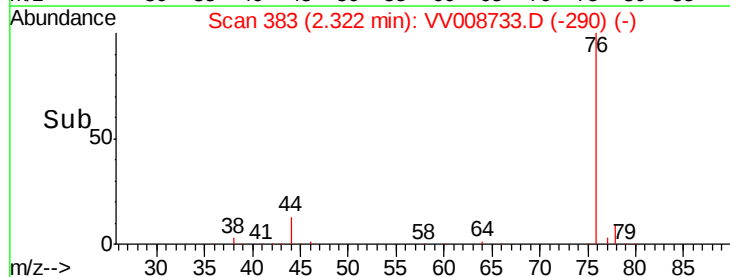
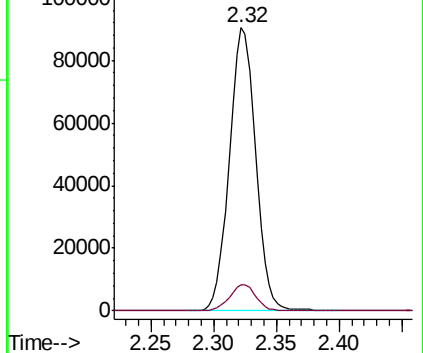
76 100

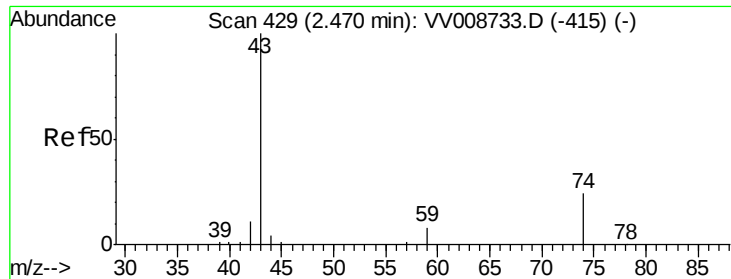
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV008733.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008733.D (-370) (-)

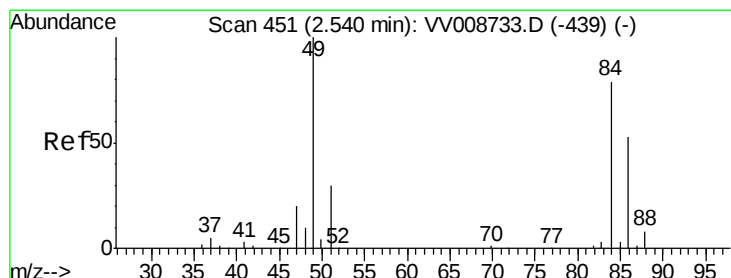
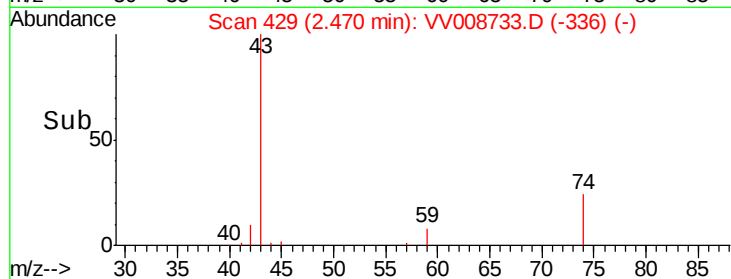
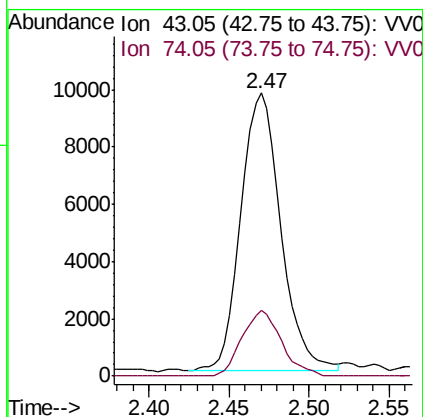
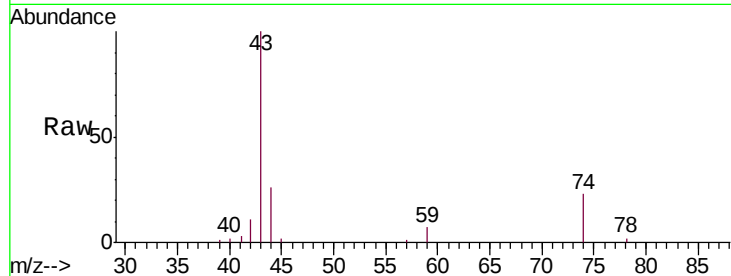




#15
Methyl Acetate
Concen: 4.645 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

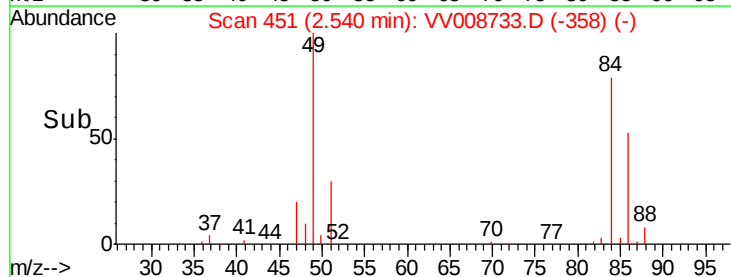
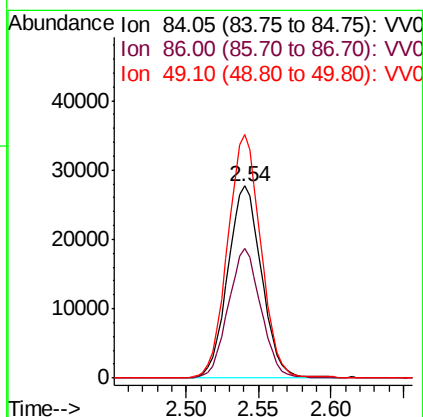
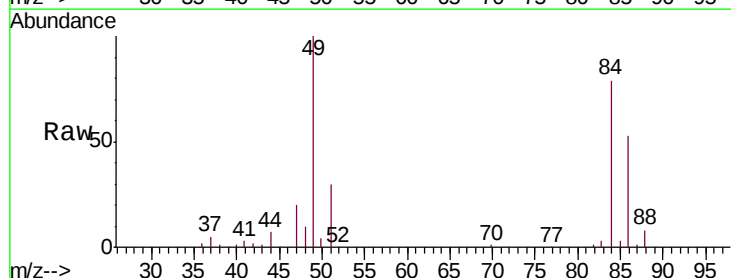
Instrument :
MSVOA_V
ClientSampled :
VSTD00564

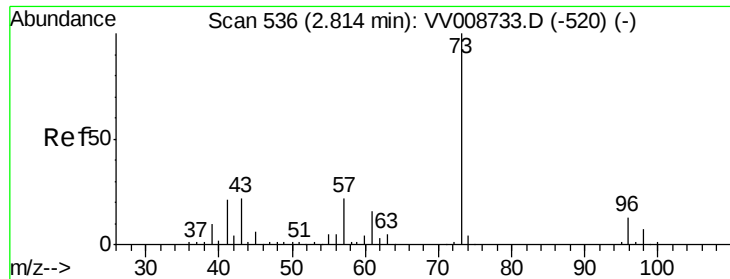
Tgt Ion: 43 Resp: 16542
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8



#16
Methylene chloride
Concen: 4.570 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Tgt Ion: 84 Resp: 44840
Ion Ratio Lower Upper
84 100
86 67.6 47.3 87.9
49 126.9 88.8 165.0

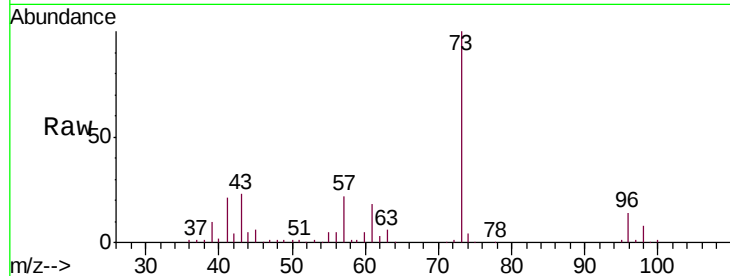




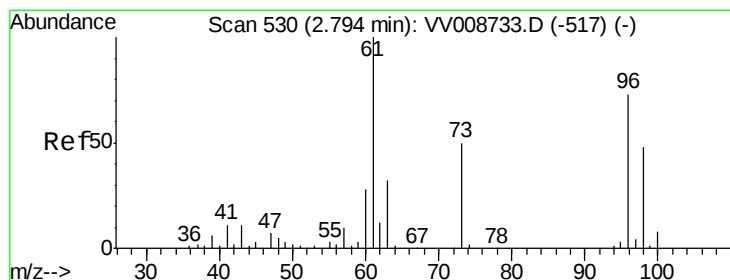
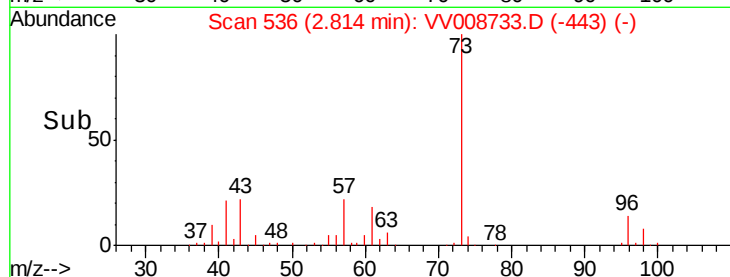
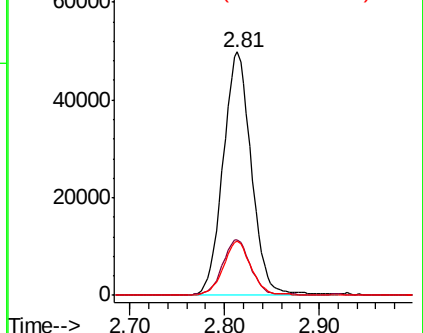
#17
Methyl tert-butyl Ether
Concen: 4.892 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 73 Resp: 103927
Ion Ratio Lower Upper
73 100
43 22.4 17.9 26.9
57 21.7 17.4 26.0

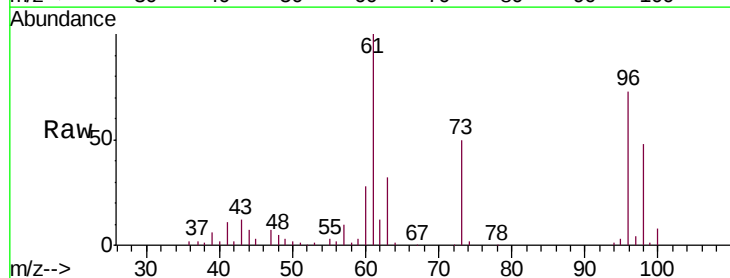


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

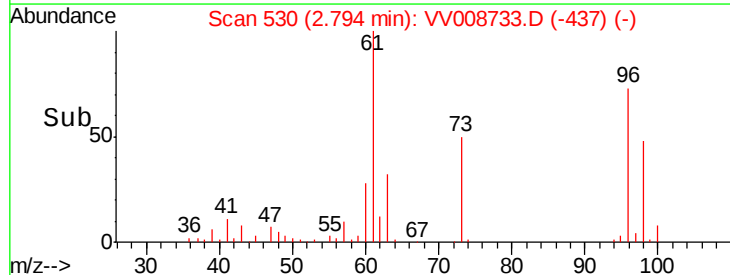
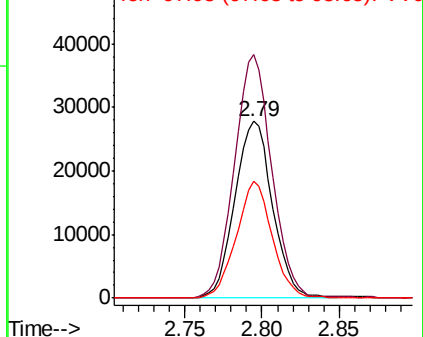


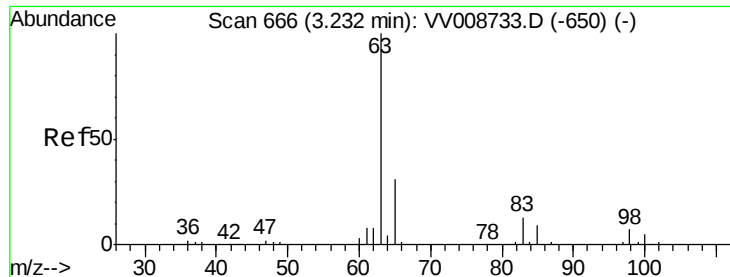
#18
trans-1,2-Dichloroethene
Concen: 5.308 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Tgt Ion: 96 Resp: 47151
Ion Ratio Lower Upper
96 100
61 137.8 96.5 179.1
98 66.2 46.3 86.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

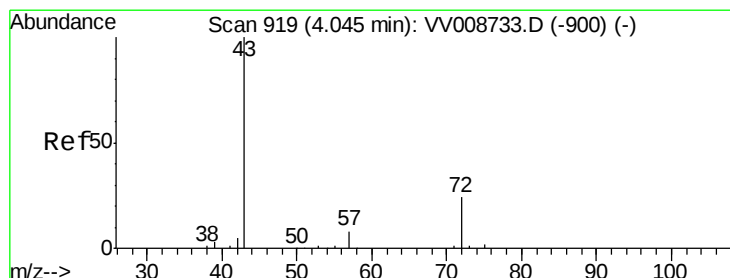
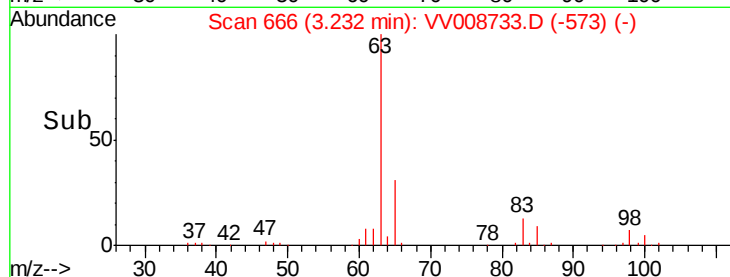
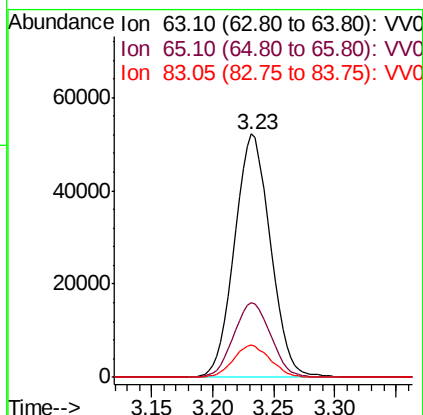
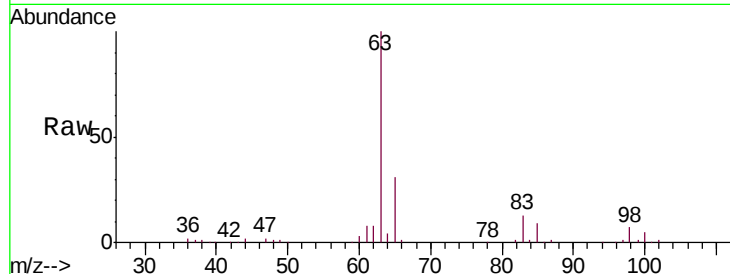




#19
 1,1-Dichloroethane
 Concen: 4.885 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

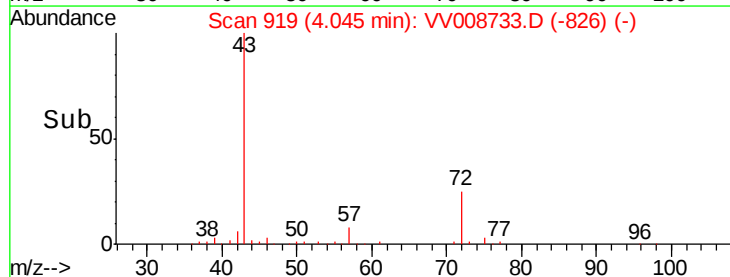
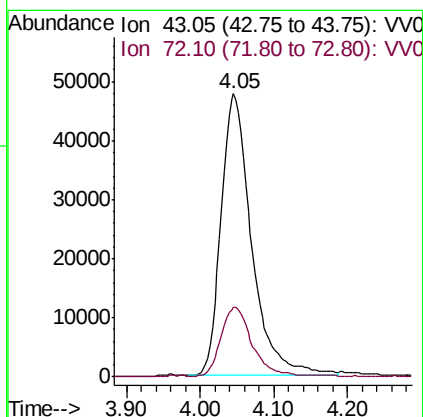
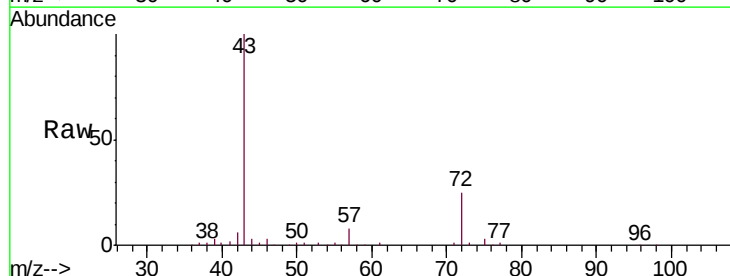
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

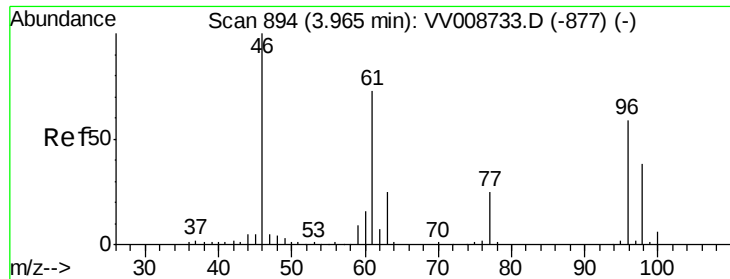
Tgt Ion: 63 Resp: 106555
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.6 40.2
 83 13.2 9.2 17.2



#21
 2-Butanone
 Concen: 43.879 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion: 43 Resp: 137670
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.4 37.2



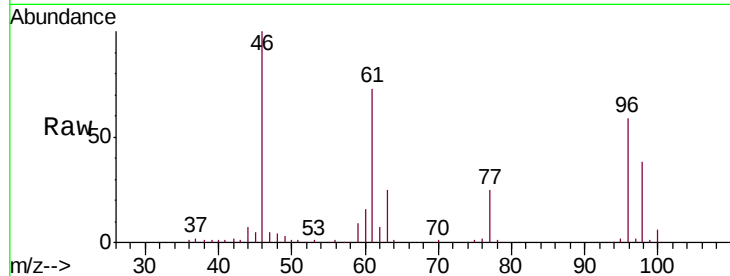


#22

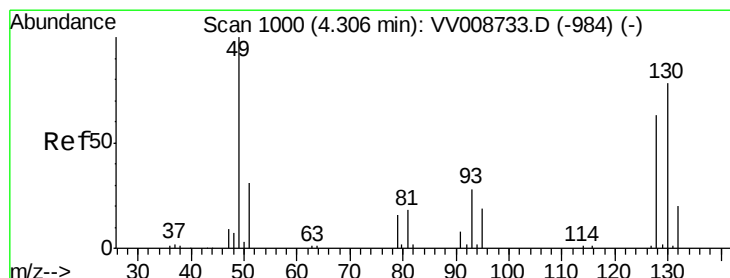
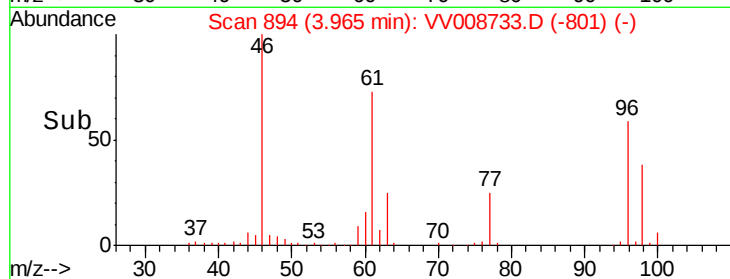
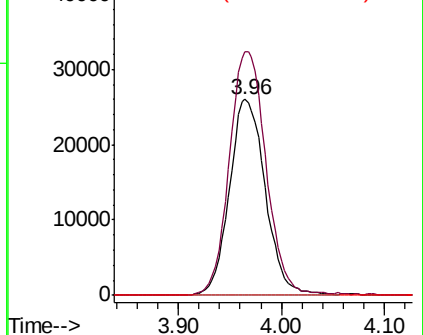
cis-1,2-Dichloroethene
 Concen: 4.856 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 96 Resp: 63326
 Ion Ratio Lower Upper
 96 100
 61 124.1 86.9 161.3
 68 0.0 0.0 0.0



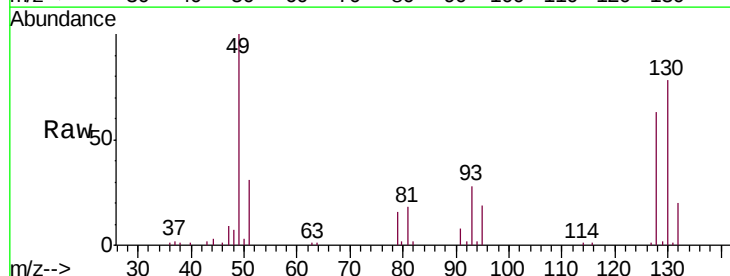
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



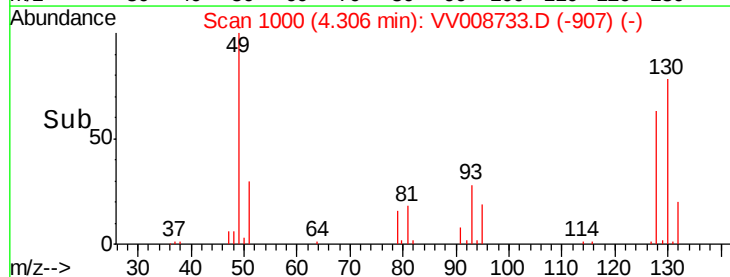
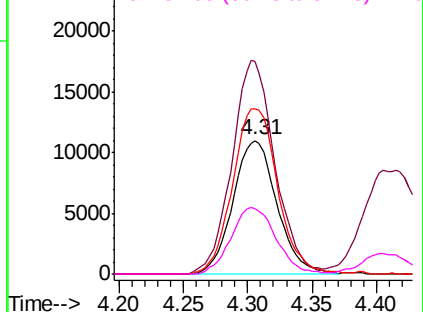
#23

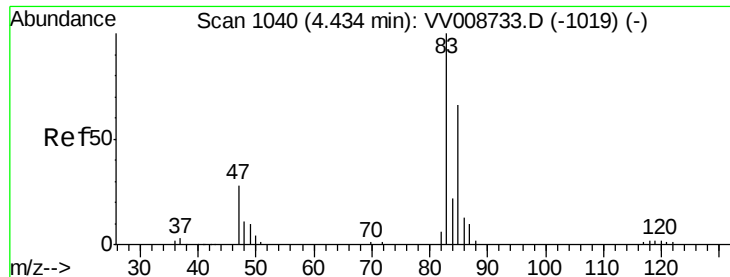
Bromochloromethane
 Concen: 5.162 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion: 128 Resp: 26016
 Ion Ratio Lower Upper
 128 100
 49 159.1 111.4 206.8
 130 124.0 86.8 161.2
 51 48.6 38.9 58.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

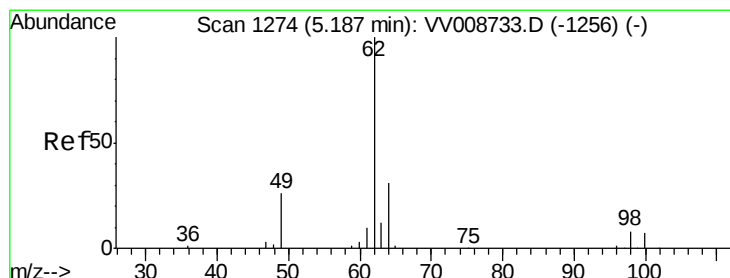
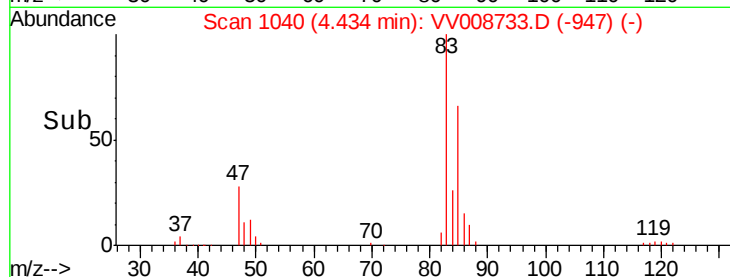
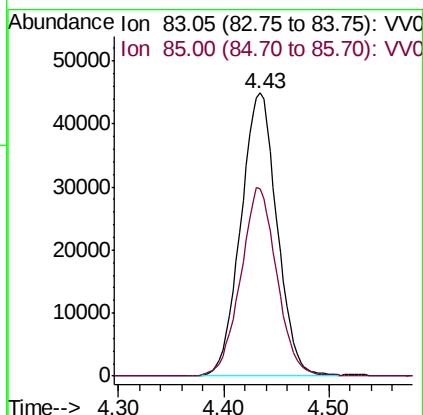
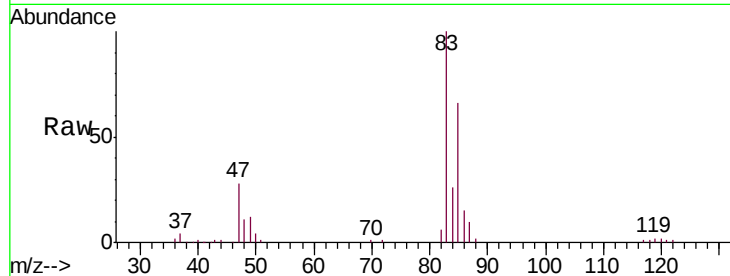




#25
Chloroform
Concen: 3.928 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

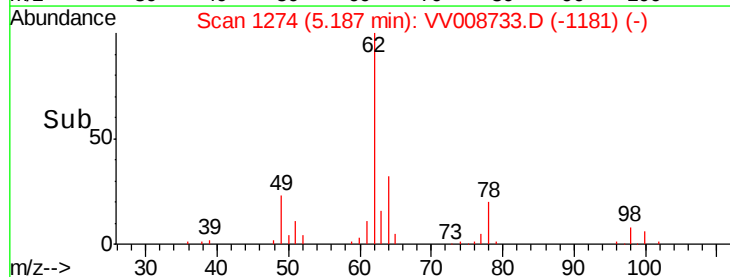
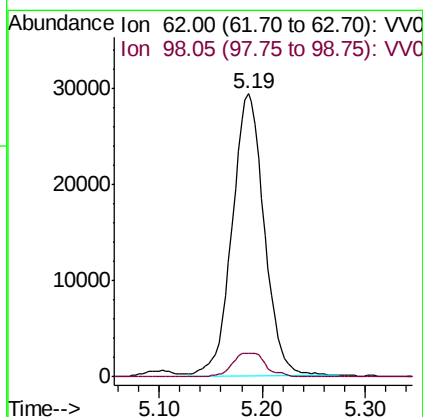
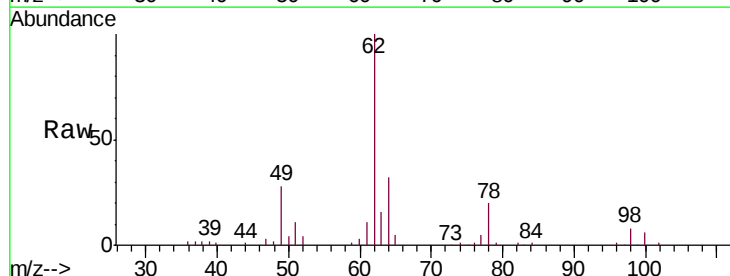
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

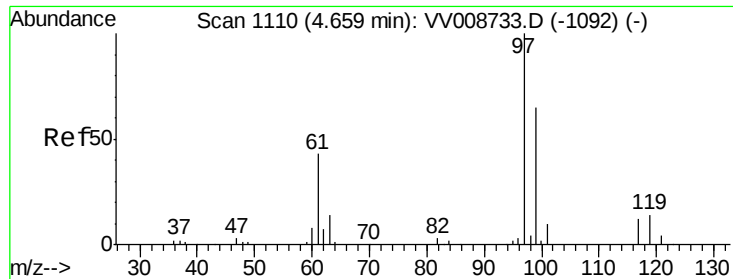
Tgt Ion: 83 Resp: 107388
Ion Ratio Lower Upper
83 100
85 66.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 4.657 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Tgt Ion: 62 Resp: 63578
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8

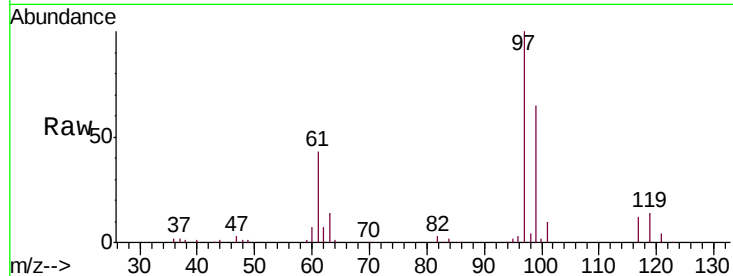




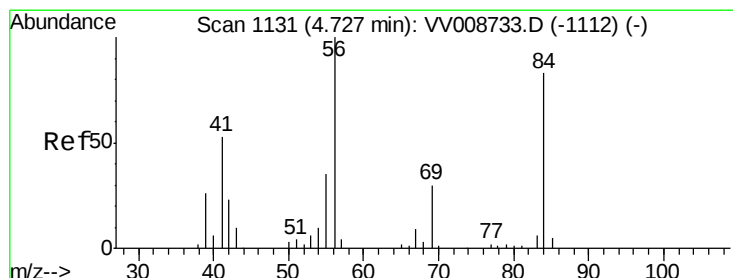
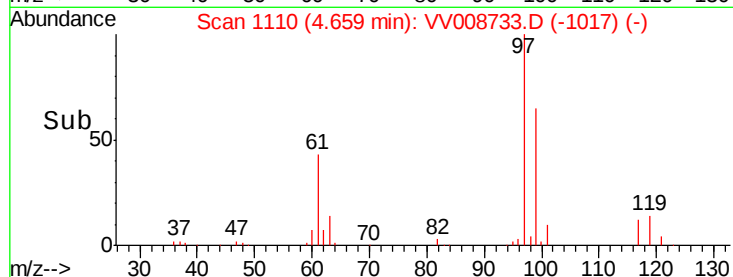
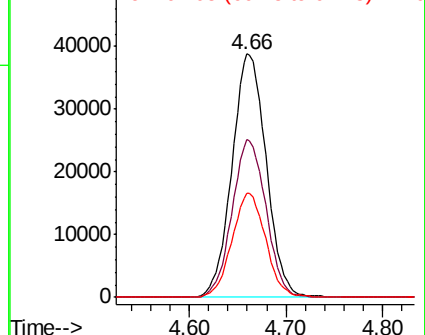
#29
 1,1,1-Trichloroethane
 Concen: 4.810 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 97 Resp: 95538
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 42.2 33.8 50.6

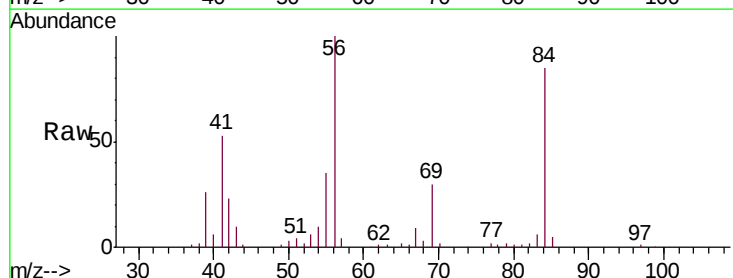


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

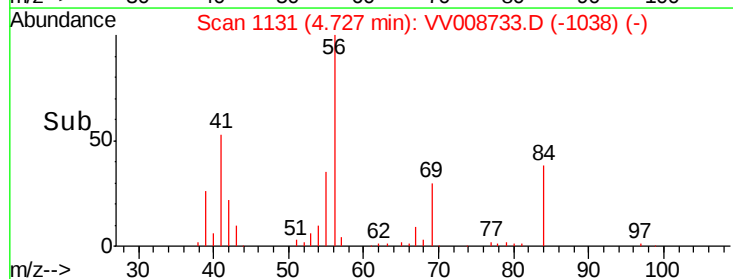
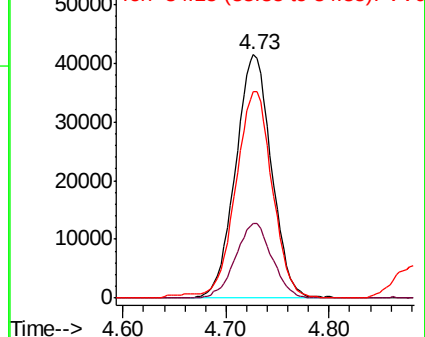


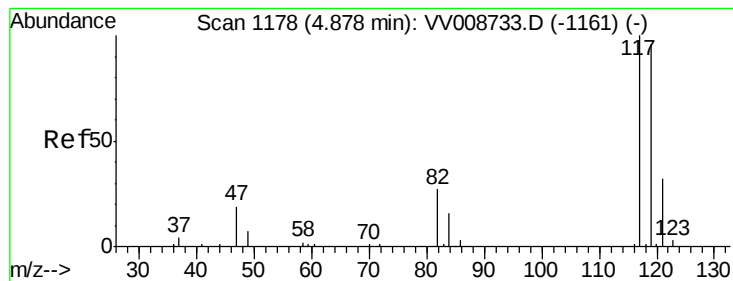
#30
 Cyclohexane
 Concen: 4.582 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion: 56 Resp: 100343
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.9 37.3
 84 86.9 69.5 104.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.725 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

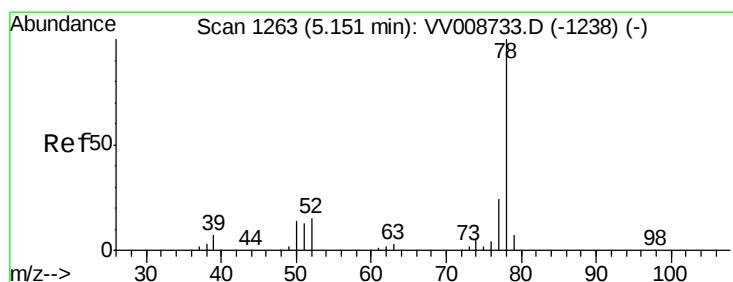
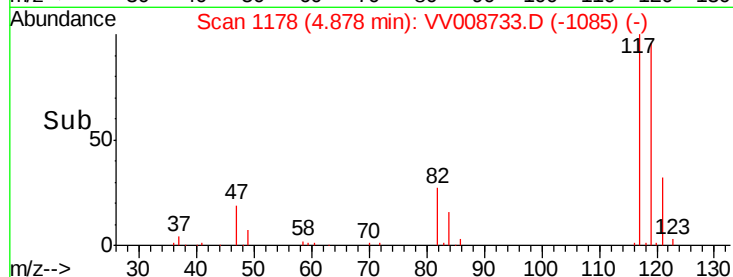
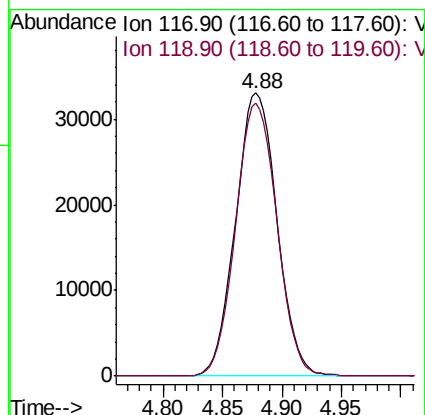
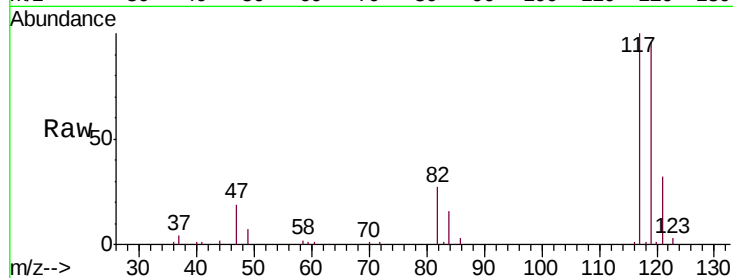
VSTD00564

Tgt Ion:117 Resp: 79557

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.6



#33

Benzene

Concen: 4.723 ug/L

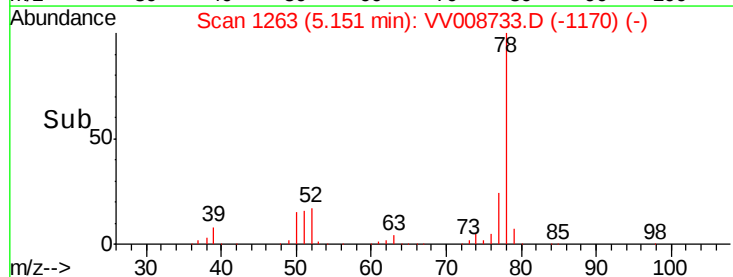
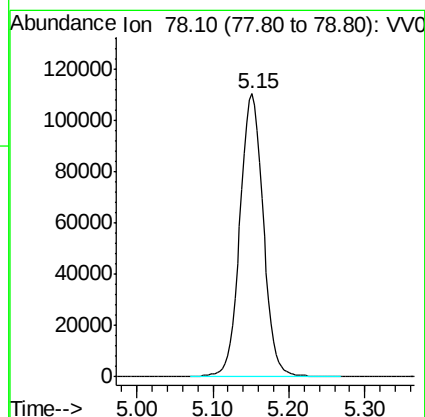
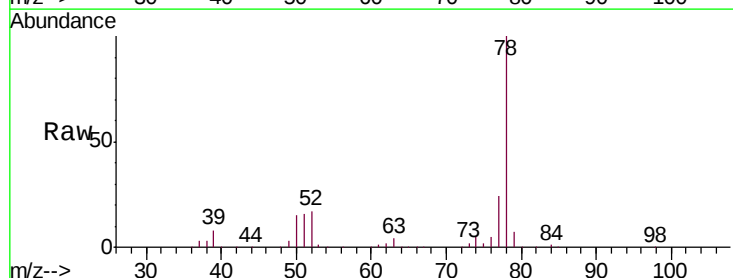
RT: 5.15 min Scan# 1263

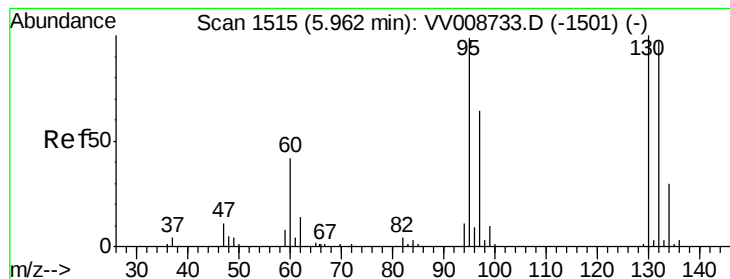
Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Tgt Ion: 78 Resp: 235013





#34

Trichloroethene

Concen: 4.903 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tgt Ion: 95 Resp: 65267

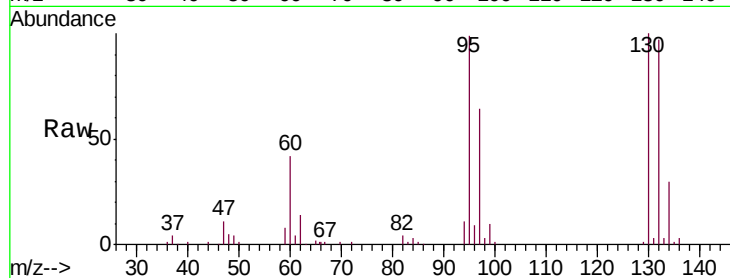
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 97.2 68.0 126.4

130 100.6 70.4 130.8

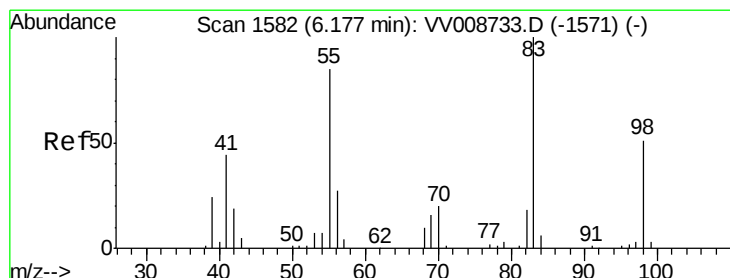
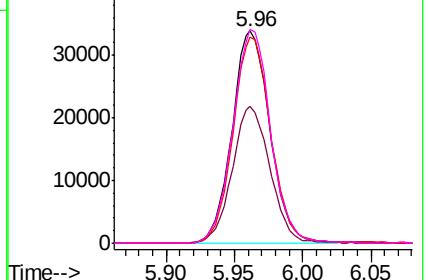
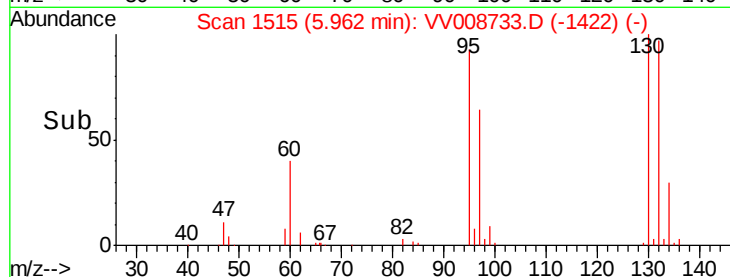


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.740 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

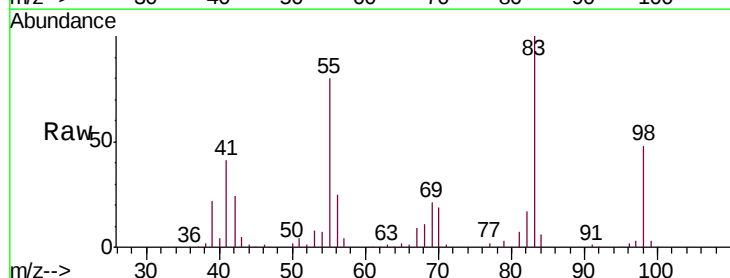
Tgt Ion: 83 Resp: 105592

Ion Ratio Lower Upper

83 100

55 77.7 62.2 93.2

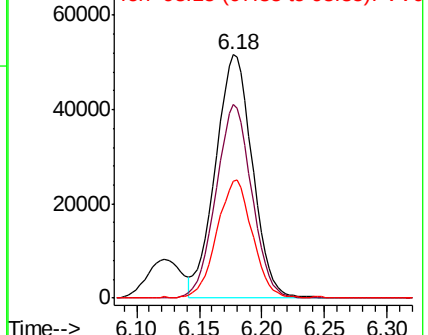
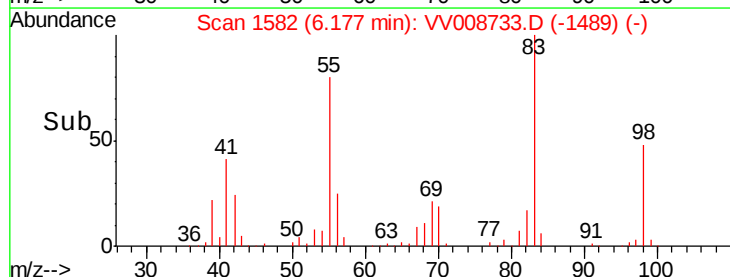
98 46.4 37.1 55.7

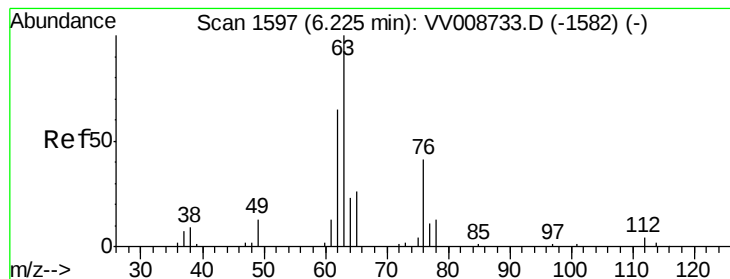


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.715 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

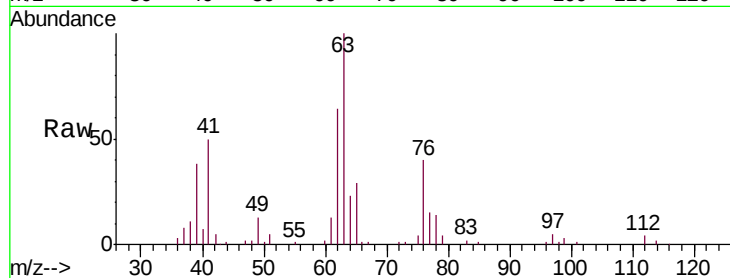
VSTD00564

Tgt Ion: 63 Resp: 61390

Ion Ratio Lower Upper

63 100

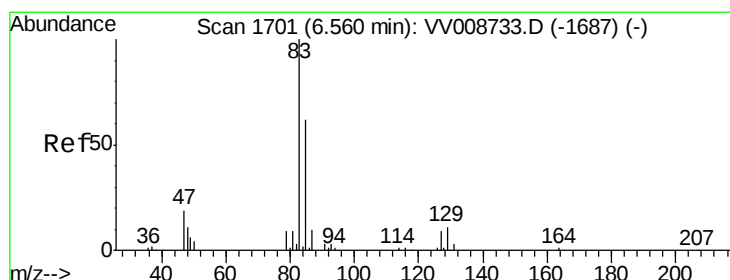
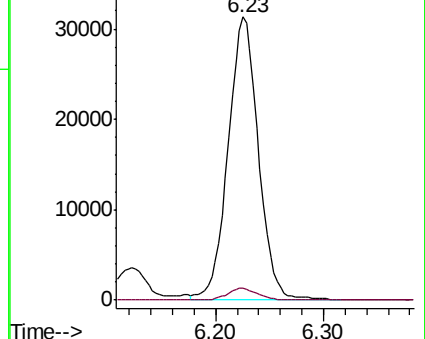
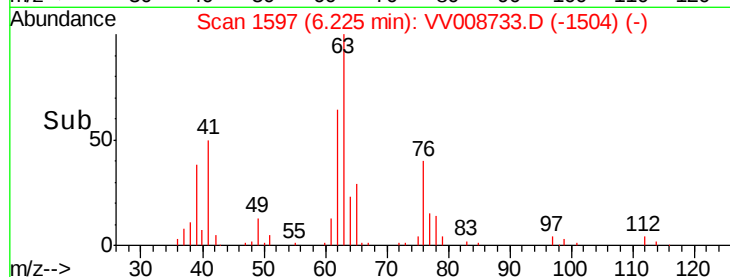
112 4.0 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VV008733.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV008733.D (-1582) (-)

Time-->



#38

Bromodichloromethane

Concen: 4.312 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

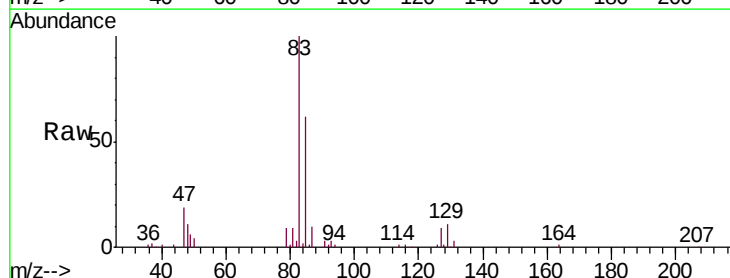
Tgt Ion: 83 Resp: 68187

Ion Ratio Lower Upper

83 100

85 62.5 43.8 81.3

127 8.8 7.0 10.6

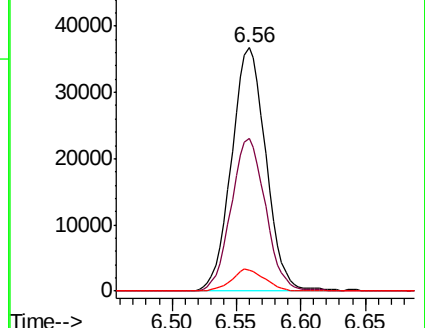
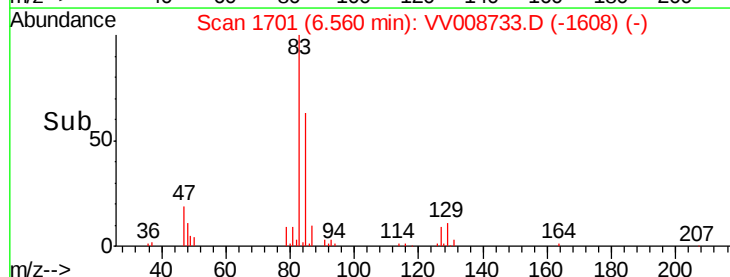


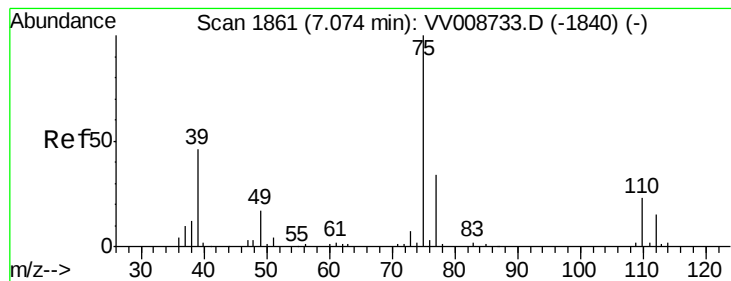
Abundance Ion 82.95 (82.65 to 83.65): VV008733.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV008733.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV008733.D (-1687) (-)

Time-->



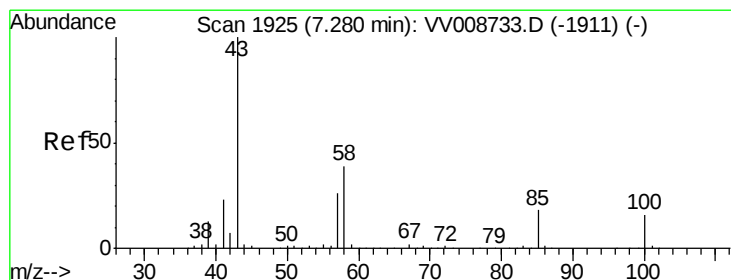
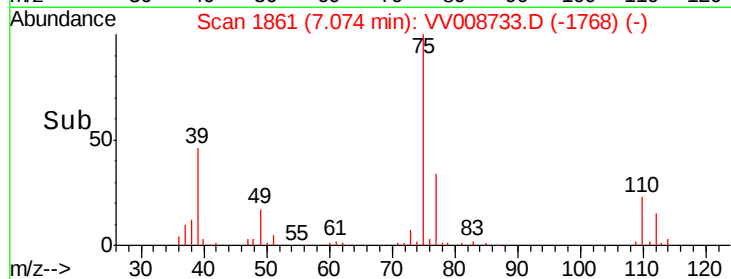
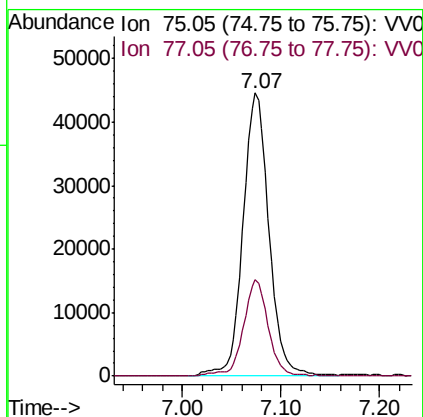
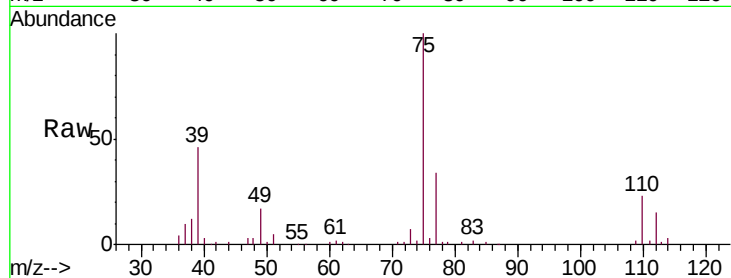


#39

cis-1,3-Dichloropropene
 Concen: 4.619 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

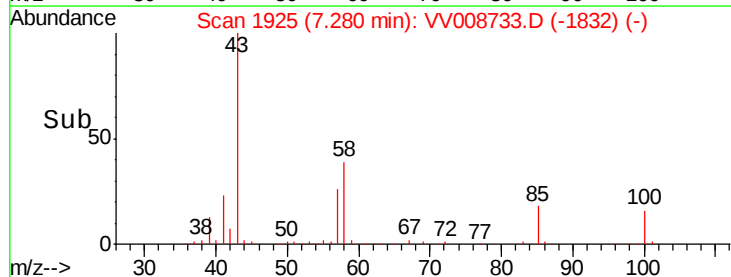
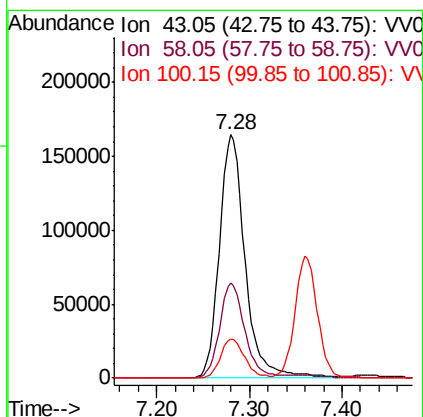
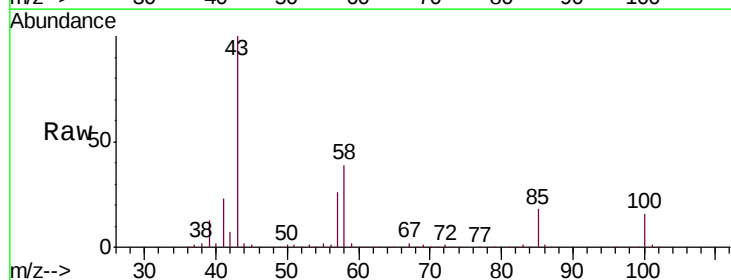
Tgt Ion: 75 Resp: 81271
 Ion Ratio Lower Upper
 75 100
 77 34.0 23.8 44.2

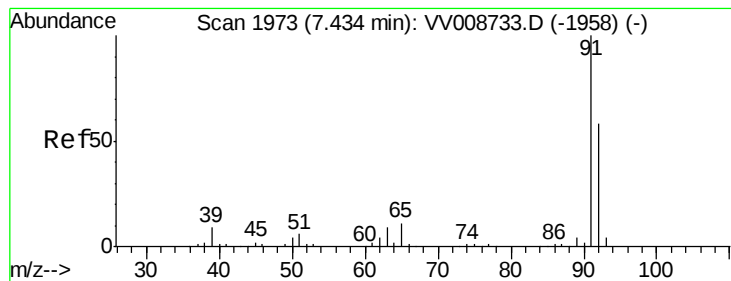


#40

4-Methyl-2-pentanone
 Concen: 42.319 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion: 43 Resp: 317383
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 45.8
 100 15.3 12.2 18.4





#42

Toluene

Concen: 4.788 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

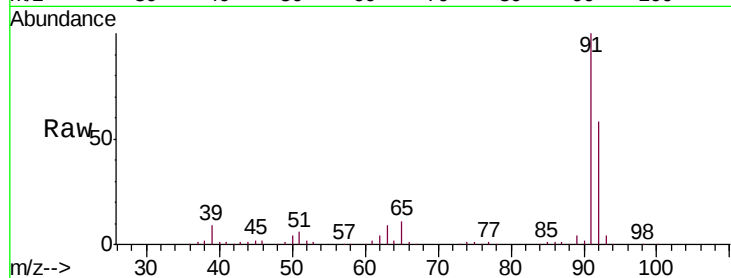
VSTD00564

Tgt Ion: 91 Resp: 248682

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VV008733.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008733.D (-1958) (-)

7.43

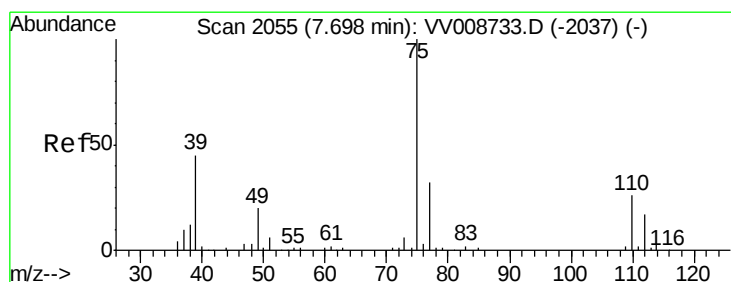
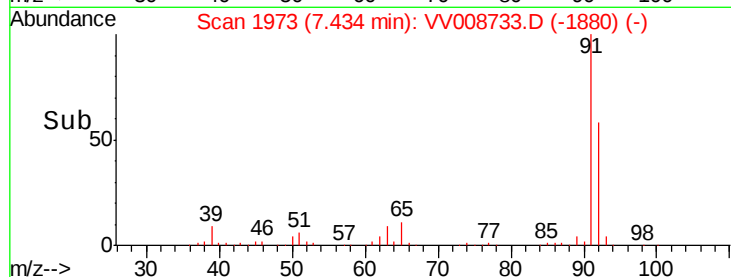
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.496 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008733.D

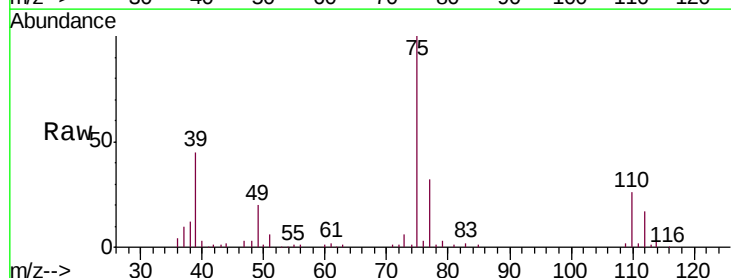
Acq: 28 Nov 2018 13:23

Tgt Ion: 75 Resp: 63284

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV008733.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV008733.D (-2037) (-)

7.70

40000

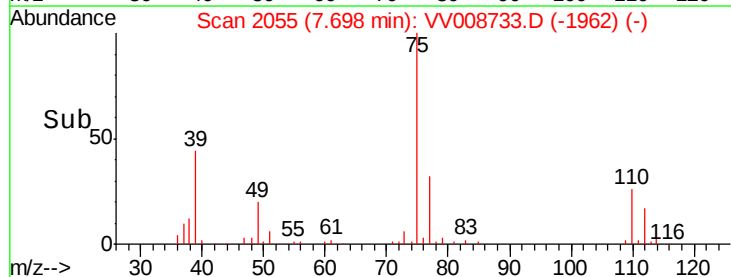
30000

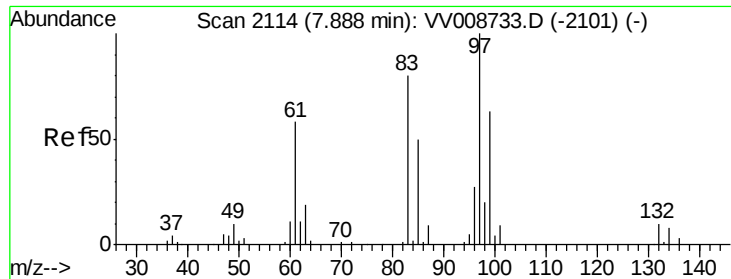
20000

10000

0

Time-->

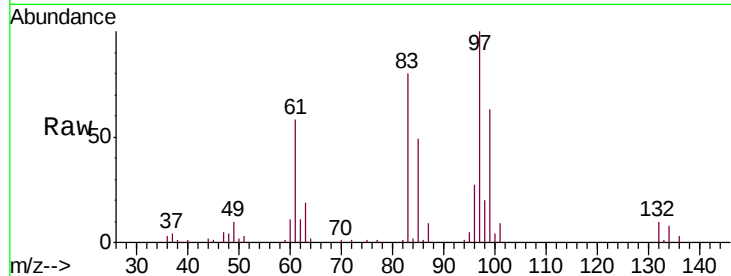




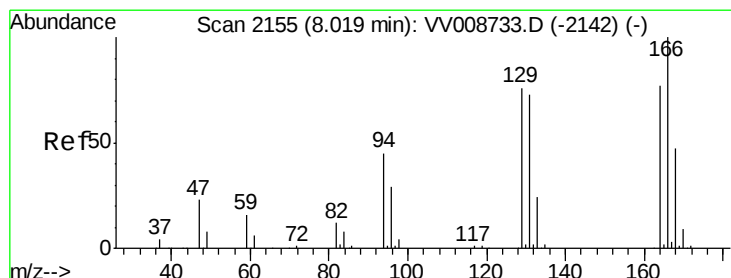
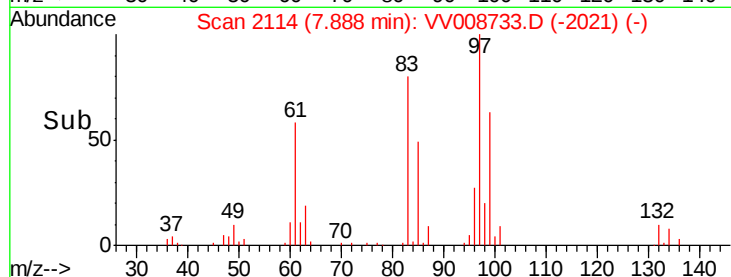
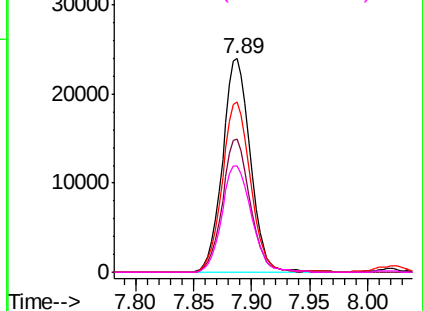
#45
 1,1,2-Trichloroethane
 Concen: 4.798 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	39990
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	79.7	55.8	103.6
85	49.5	34.6	64.3

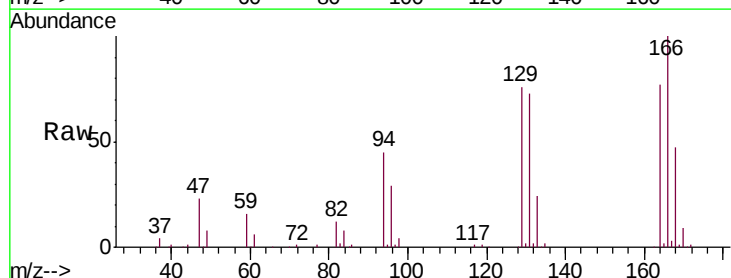


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

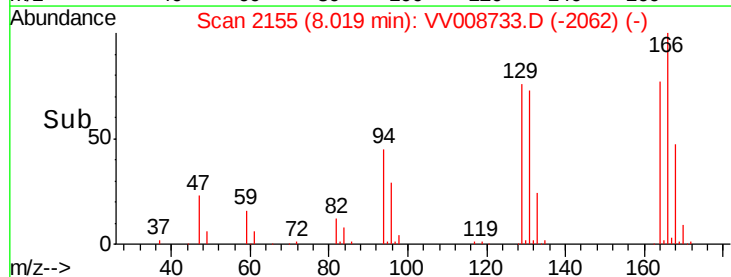
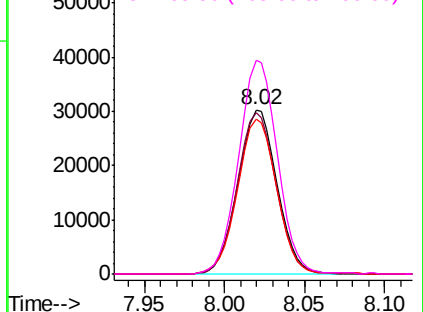


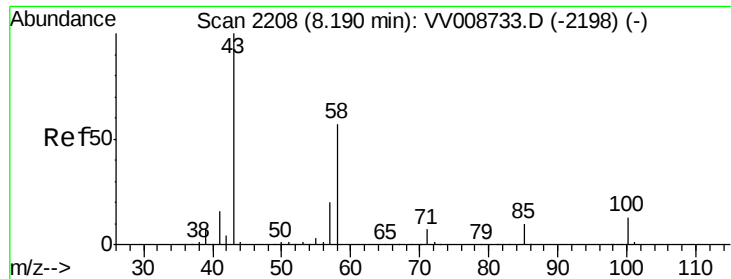
#47
 Tetrachloroethene
 Concen: 5.173 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion:	164	Resp:	50337
Ion	Ratio	Lower	Upper
164	100		
129	98.4	68.9	127.9
131	94.6	66.2	123.0
166	130.1	91.1	169.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

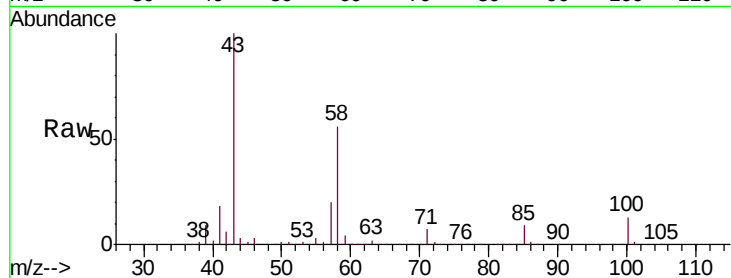




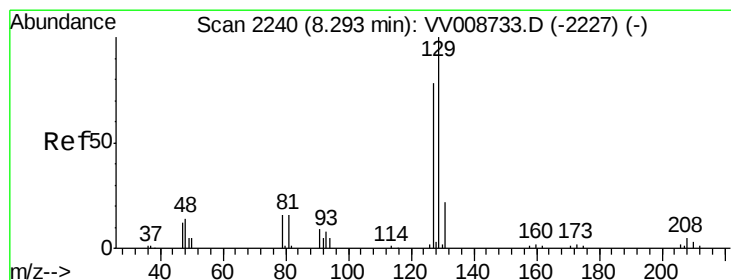
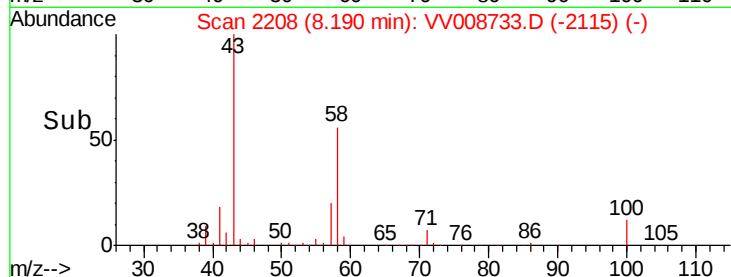
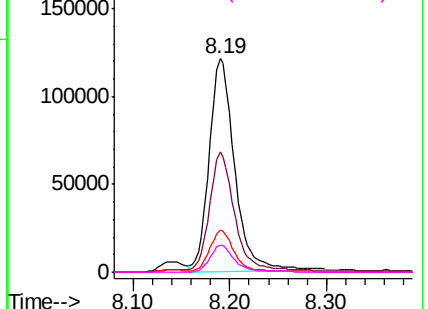
#48
2-Hexanone
Concen: 43.936 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 43 Resp: 222196
Ion Ratio Lower Upper
43 100
58 55.1 44.1 66.1
57 19.0 15.2 22.8
100 12.1 9.7 14.5

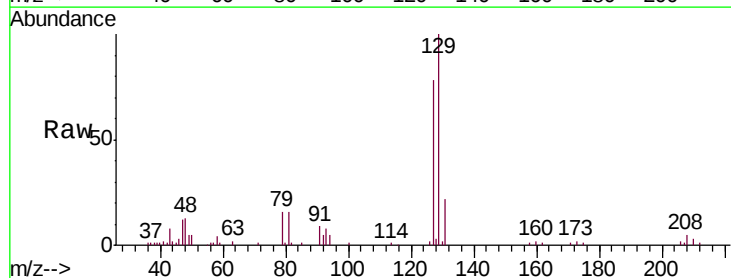


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

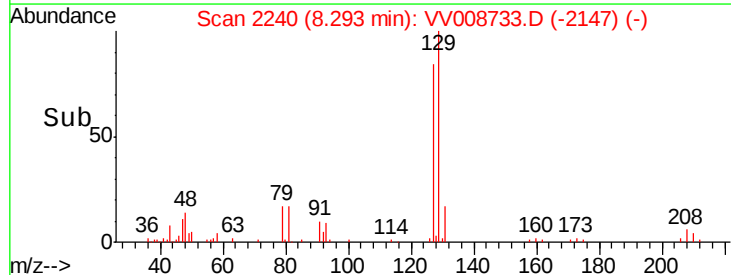
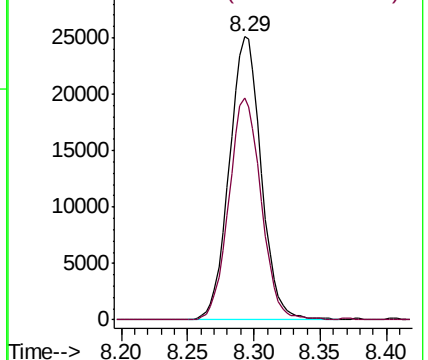


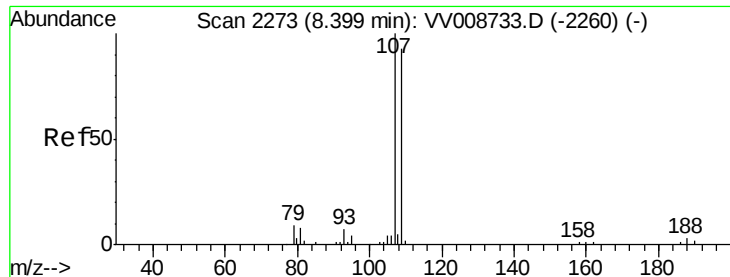
#49
Dibromochloromethane
Concen: 4.484 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Tgt Ion: 129 Resp: 41898
Ion Ratio Lower Upper
129 100
127 78.3 54.8 101.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

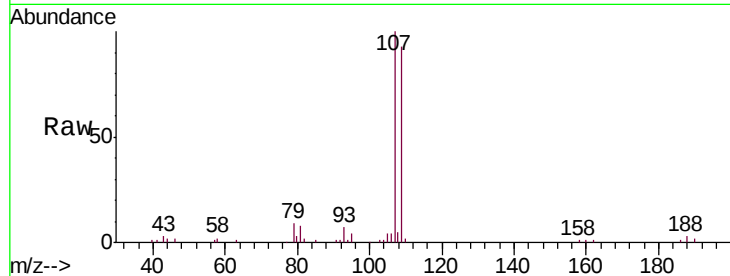




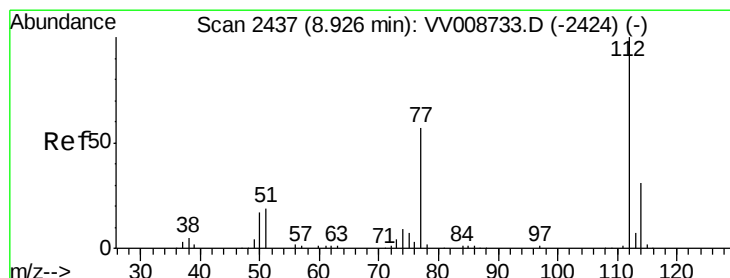
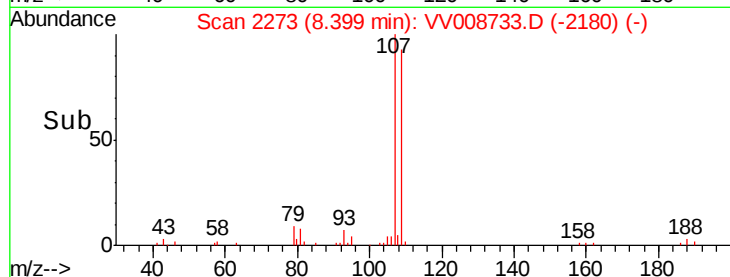
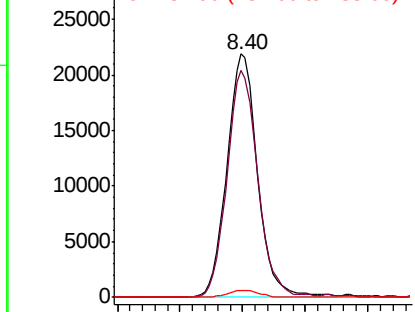
#50
1,2-Dibromoethane
Concen: 4.921 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion:107 Resp: 36963
Ion Ratio Lower Upper
107 100
109 93.2 65.2 121.2
188 2.9 2.3 3.5

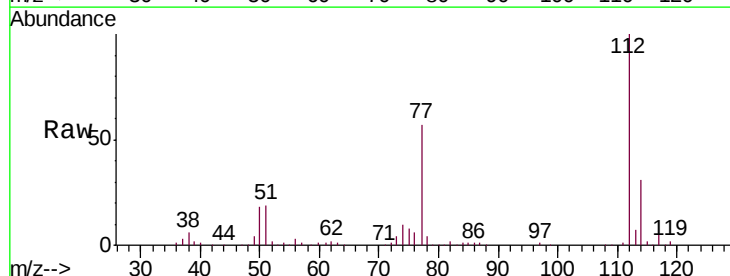


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

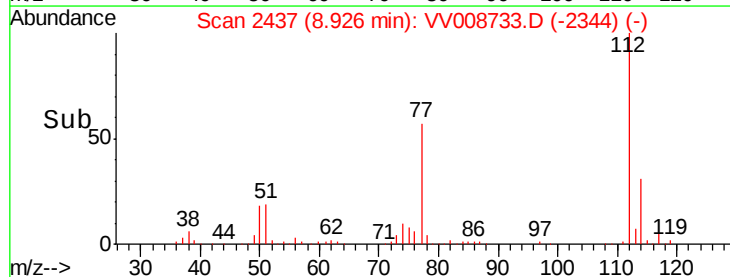
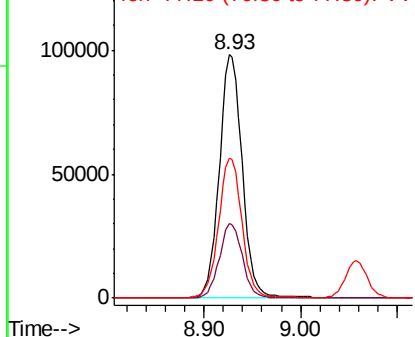


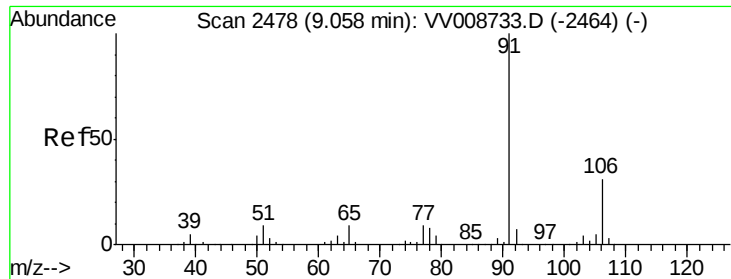
#51
Chlorobenzene
Concen: 4.988 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Tgt Ion:112 Resp: 161765
Ion Ratio Lower Upper
112 100
114 30.6 21.4 39.8
77 57.3 45.8 68.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.729 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

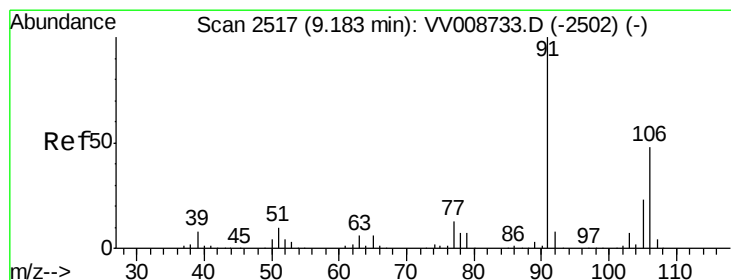
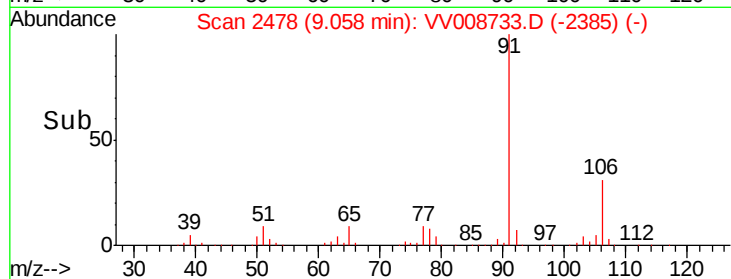
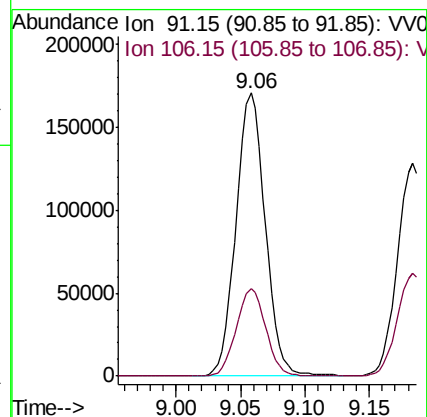
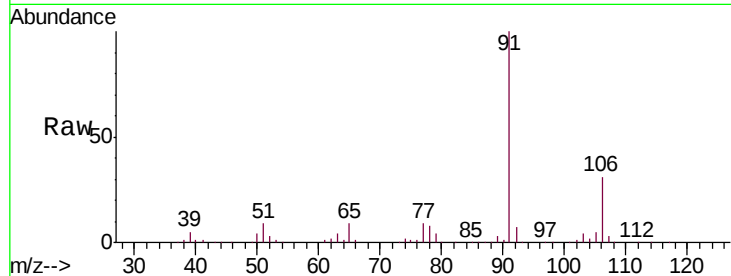
VSTD00564

Tgt Ion: 91 Resp: 269790

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



#53

m,p-xylene

Concen: 4.868 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008733.D

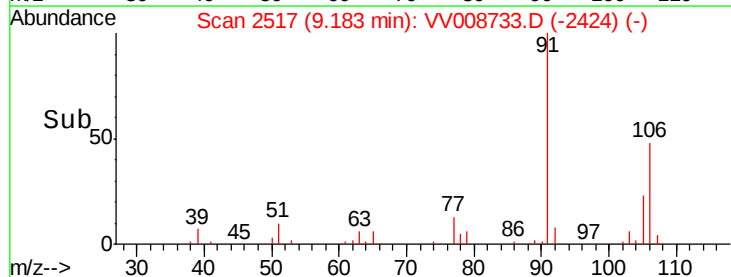
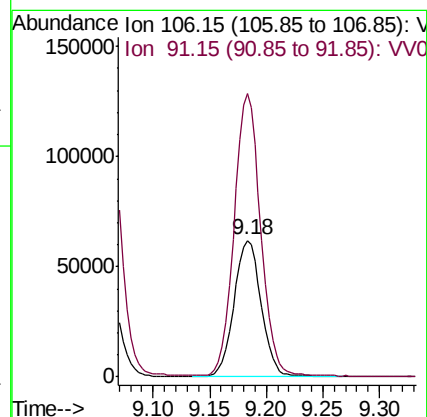
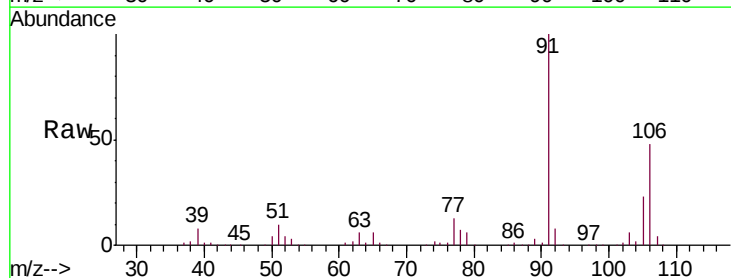
Acq: 28 Nov 2018 13:23

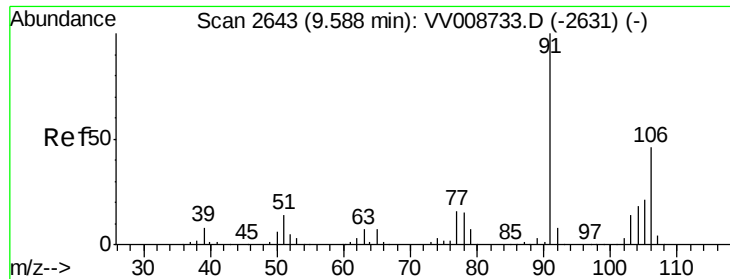
Tgt Ion: 106 Resp: 103206

Ion Ratio Lower Upper

106 100

91 207.3 145.1 269.5

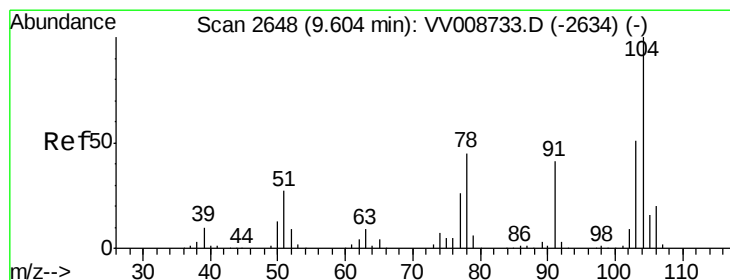
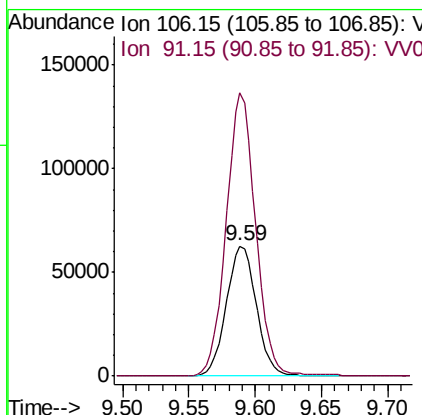
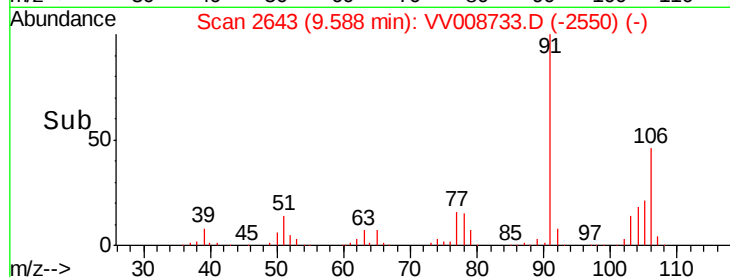
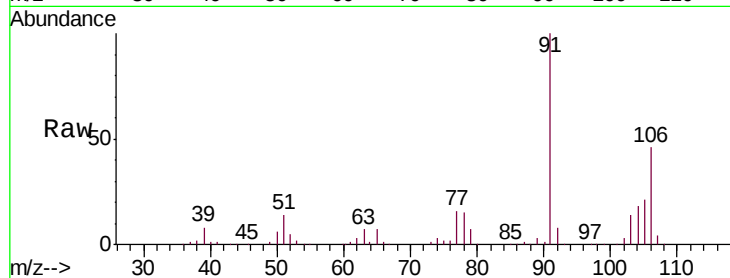




#54
o-xylene
Concen: 4.804 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

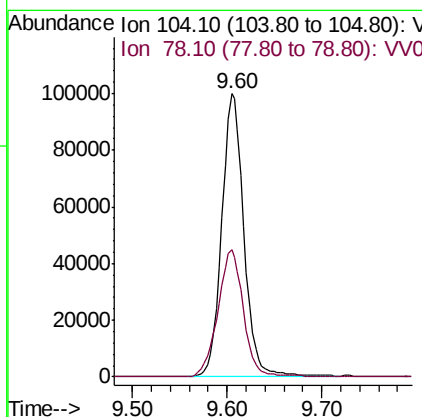
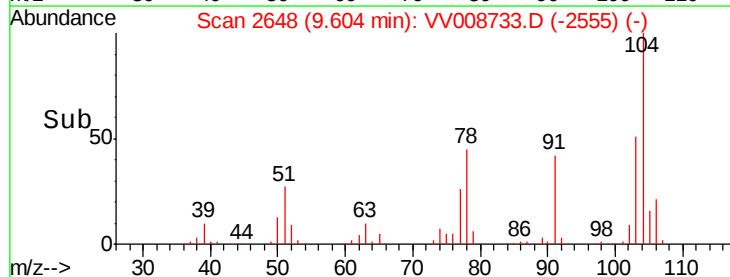
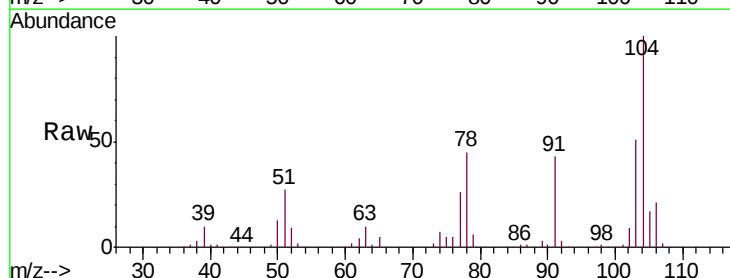
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

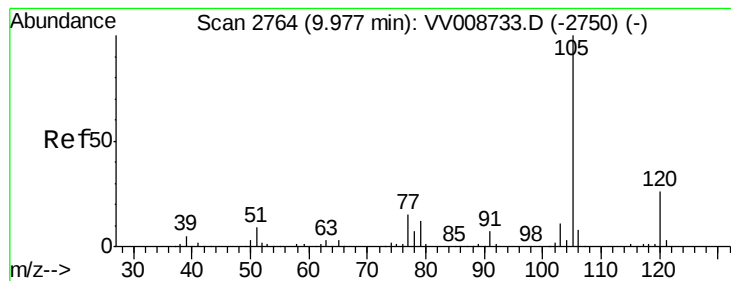
Tgt Ion:106 Resp: 98859
Ion Ratio Lower Upper
106 100
91 217.2 152.0 282.4



#55
Styrene
Concen: 4.908 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008733.D
Acq: 28 Nov 2018 13:23

Tgt Ion:104 Resp: 163272
Ion Ratio Lower Upper
104 100
78 44.8 31.4 58.2





#56

Isopropylbenzene

Concen: 4.745 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

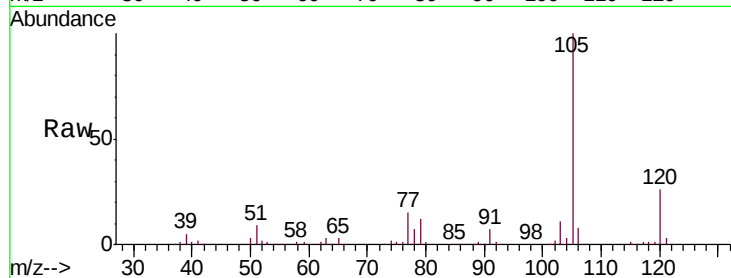
Tgt Ion: 105 Resp: 261672

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.5 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): VV008733.D (-2750) (-)

Ion 120.10 (119.80 to 120.80): VV008733.D (-2750) (-)

Ion 77.10 (76.80 to 77.80): VV008733.D (-2750) (-)

9.98

150000

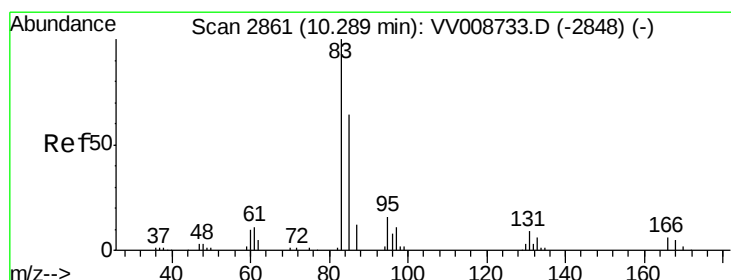
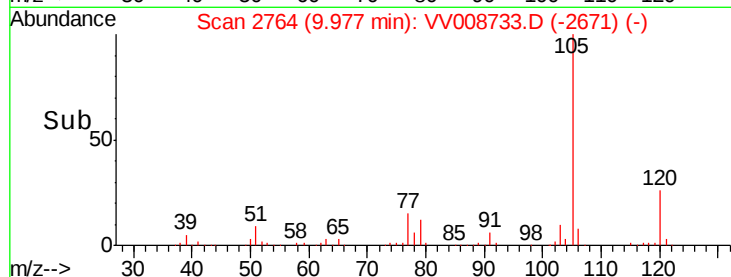
100000

50000

0

9.90 10.00

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 4.523 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

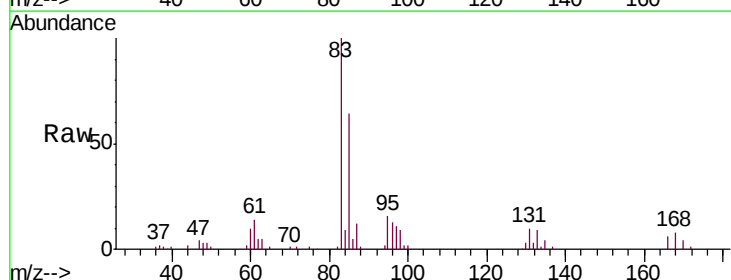
Tgt Ion: 83 Resp: 43804

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

131 9.8 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): VV008733.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV008733.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV008733.D (-2848) (-)

10.29

30000

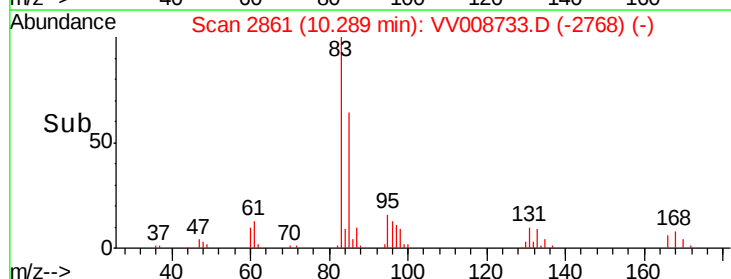
20000

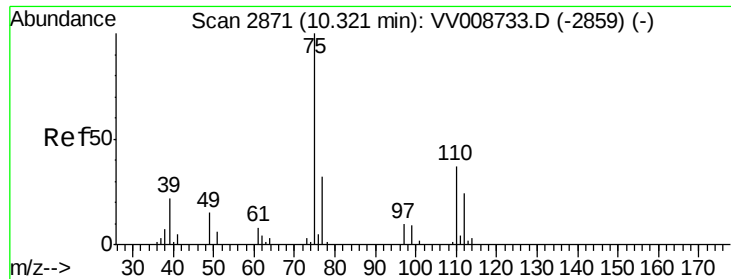
10000

0

10.20 10.30 10.40

Time-->

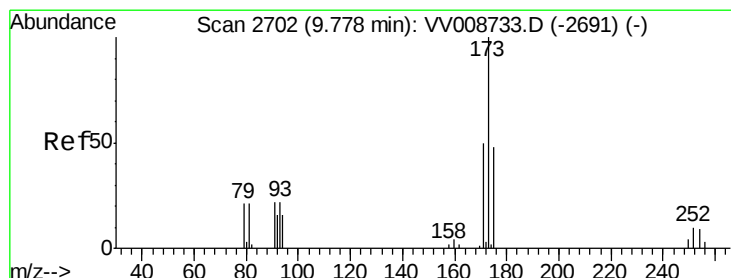
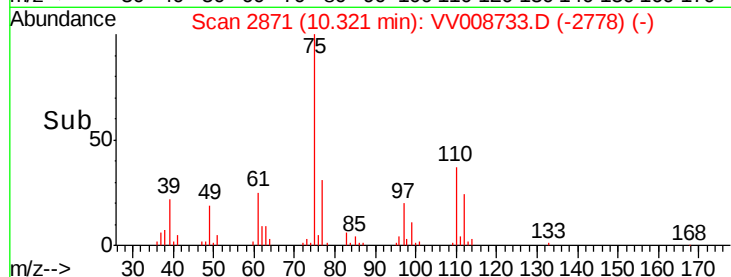
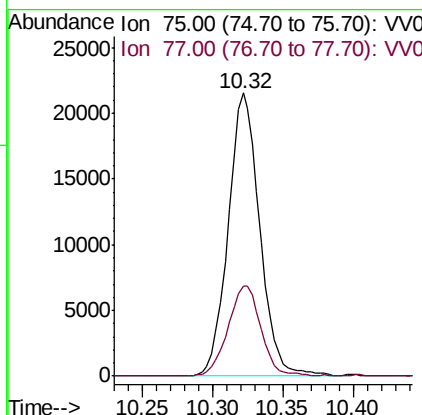
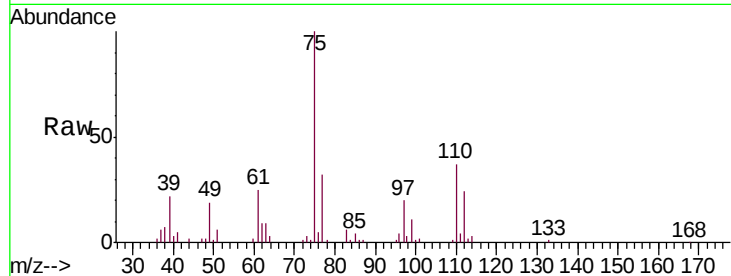




#59
 1,2,3-Trichloropropane
 Concen: 4.568 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

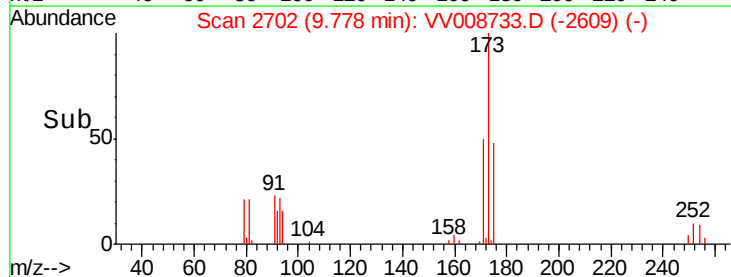
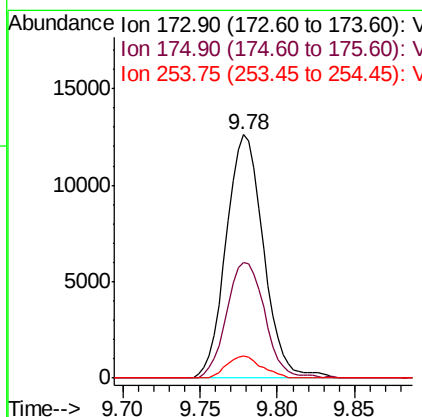
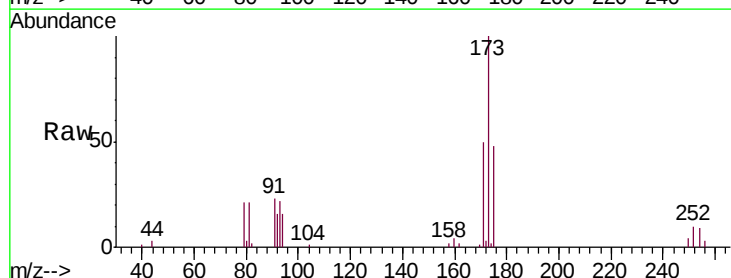
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

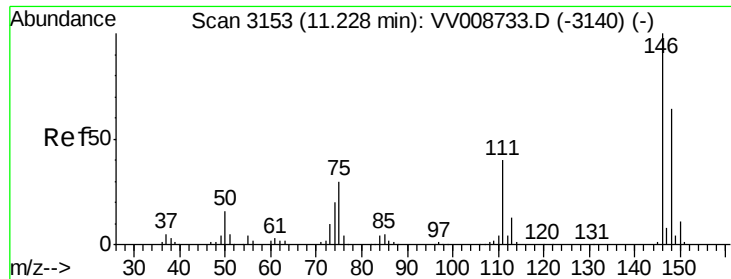
Tgt Ion: 75 Resp: 33668
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.6 39.8



#61
 Bromoform
 Concen: 4.467 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion: 173 Resp: 21141
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.4 57.6
 254 8.3 6.6 10.0

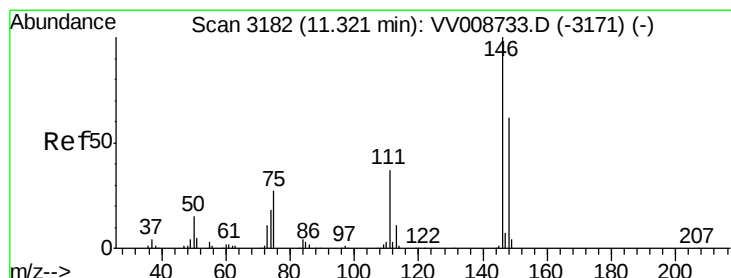
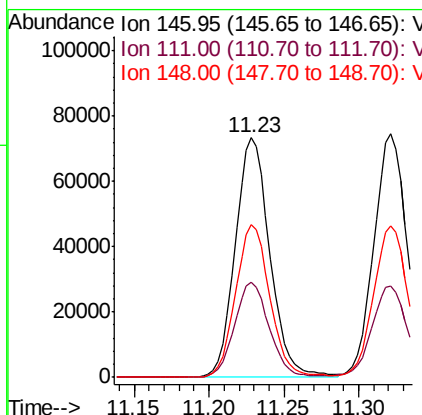
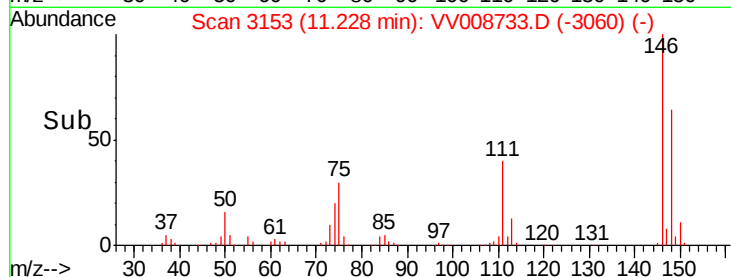
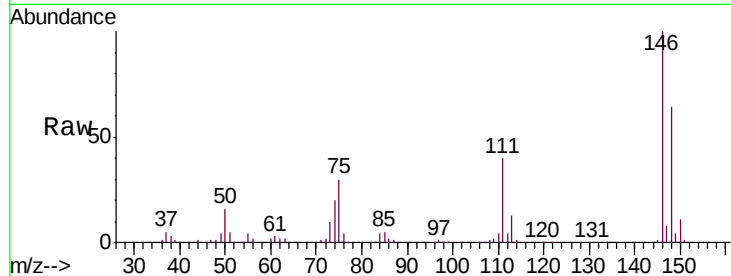




#62
 1,3-Dichlorobenzene
 Concen: 4.856 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

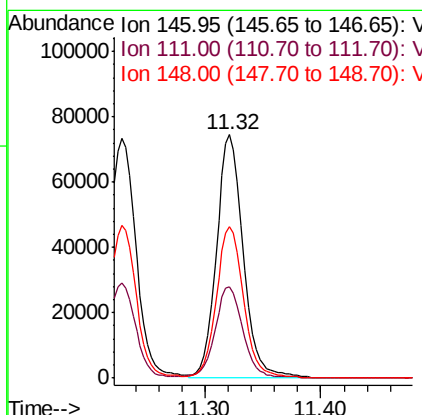
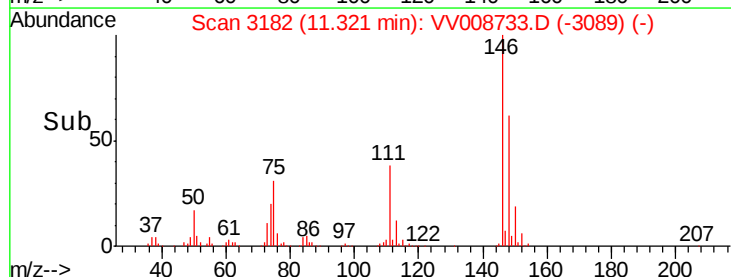
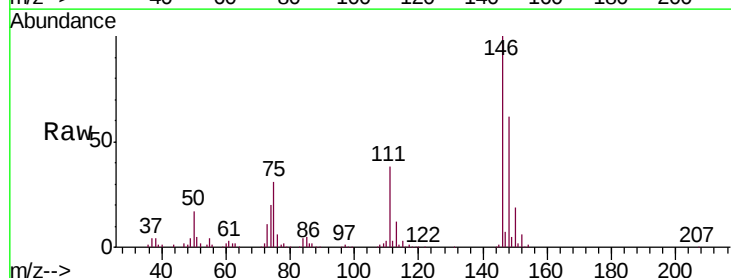
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

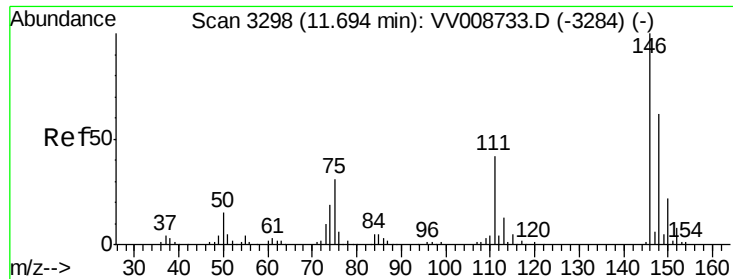
Tgt Ion:146 Resp: 118042
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 63.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.961 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion:146 Resp: 119627
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.2 48.8
 148 62.3 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 4.839 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

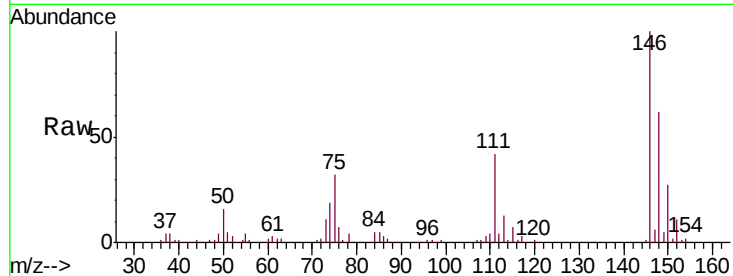
Tgt Ion:146 Resp: 112185

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

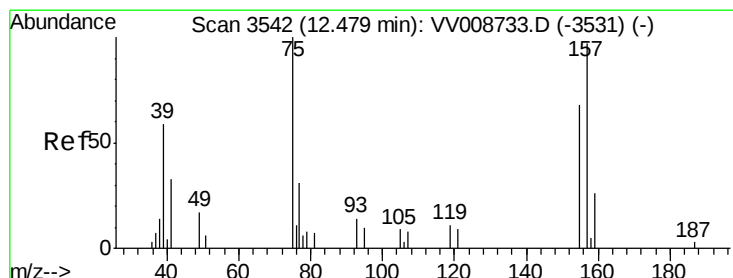
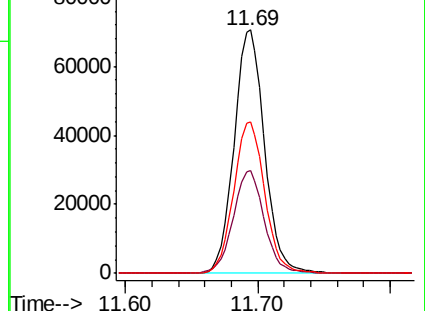
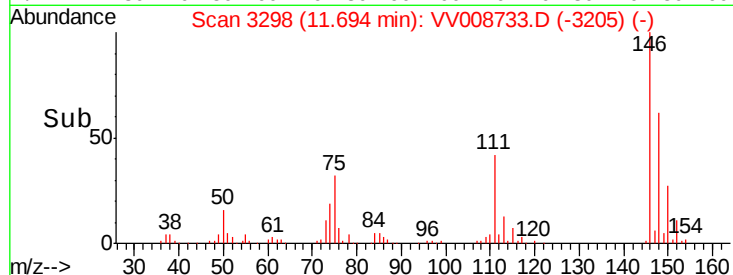
148 62.2 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.454 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

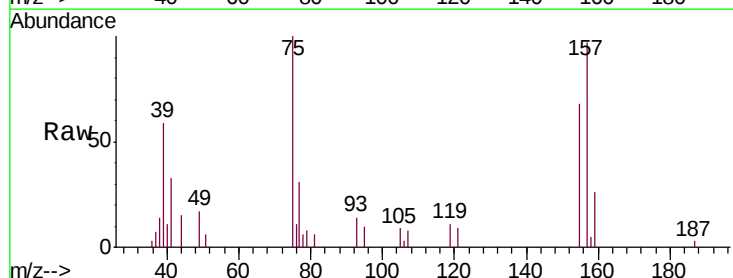
Tgt Ion: 75 Resp: 6455

Ion Ratio Lower Upper

75 100

155 67.6 54.1 81.1

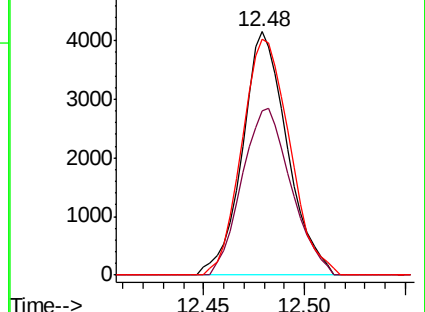
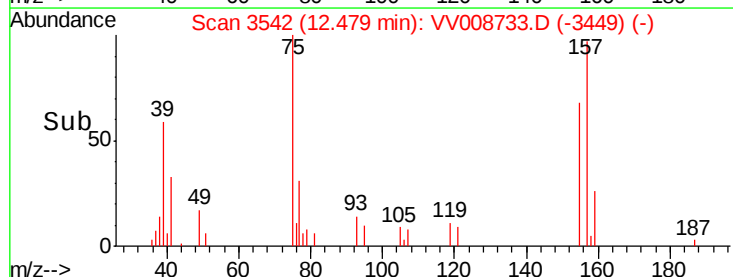
157 96.8 77.4 116.2

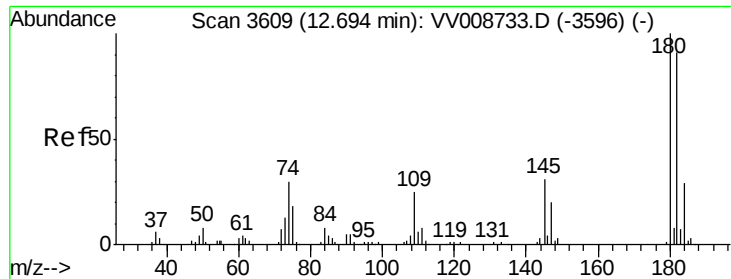


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

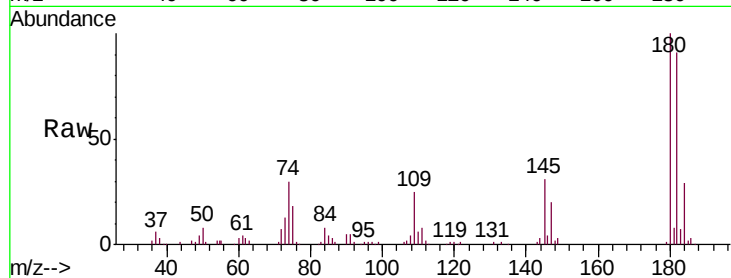




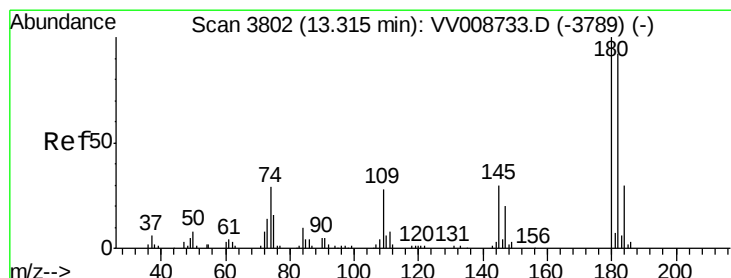
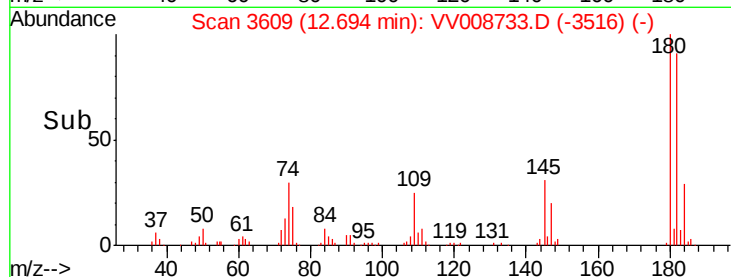
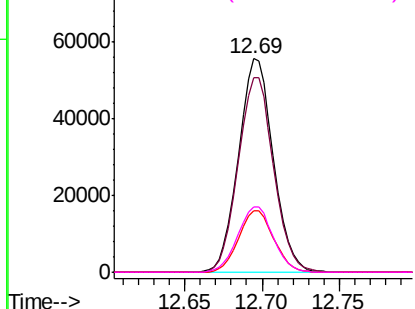
#67
 1,3,5-Trichlorobenzene
 Concen: 4.891 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:180 Resp: 86895
 Ion Ratio Lower Upper
 180 100
 182 92.9 74.3 111.5
 184 29.2 23.4 35.0
 145 31.0 24.8 37.2

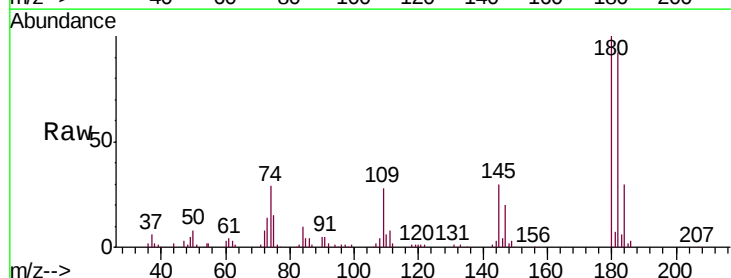


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

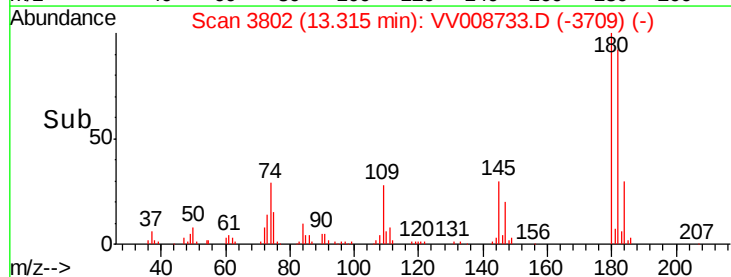
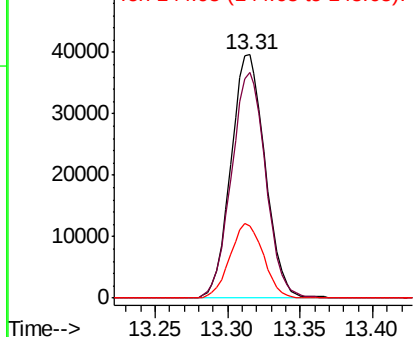


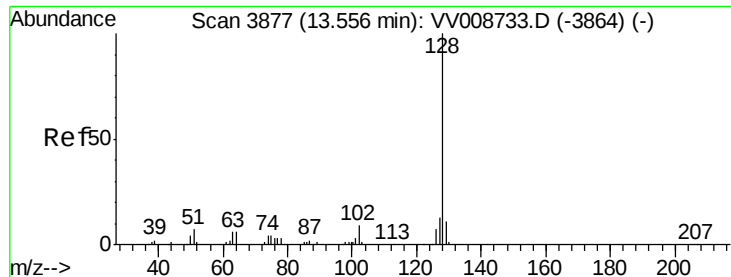
#68
 1,2,4-trichlorobenzene
 Concen: 4.583 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008733.D
 Acq: 28 Nov 2018 13:23

Tgt Ion:180 Resp: 64706
 Ion Ratio Lower Upper
 180 100
 182 93.0 74.4 111.6
 145 29.8 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.141 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

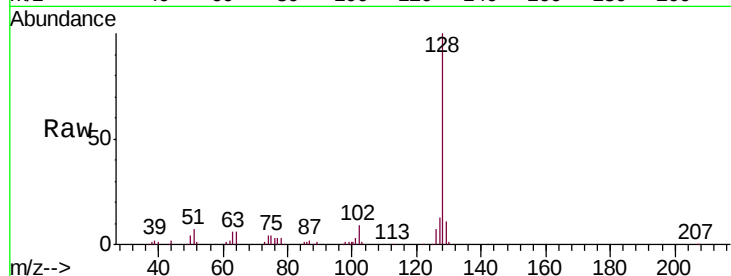
Tgt Ion:128 Resp: 92011

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

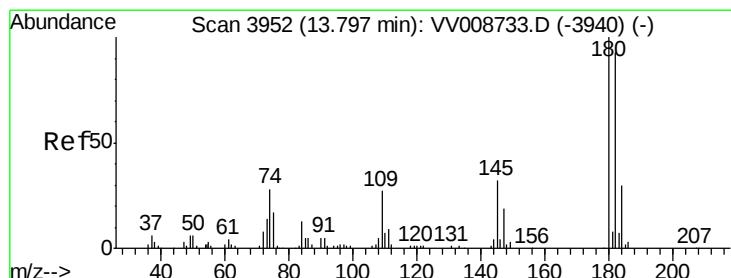
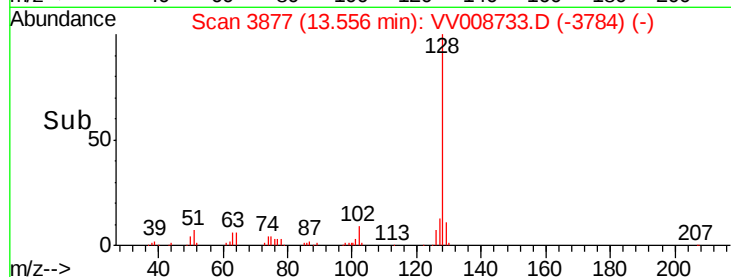
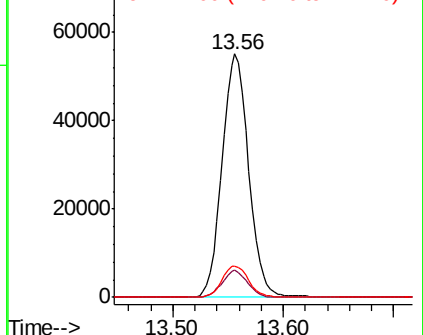
127 12.9 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.604 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008733.D

Acq: 28 Nov 2018 13:23

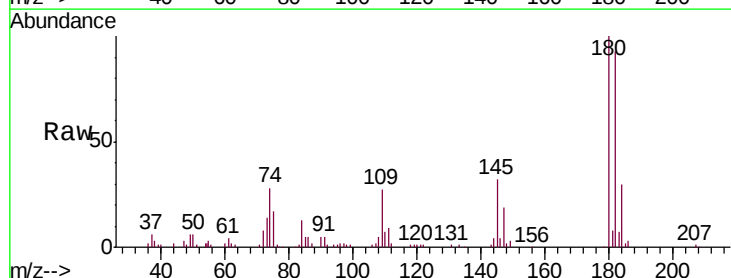
Tgt Ion:180 Resp: 59912

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 34.0 27.2 40.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

