

Data File : VV008731.D
Acq On : 28 Nov 2018 12:33
Operator : SY/MD
Sample : VSTD0.562
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

Quant Time: Nov 29 02:06:43 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	5.66	114	216501	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	195301	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87103	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6664	0.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	3265	0.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12867	0.63	ug/L	0.00
20) 2-Butanone-d5	3.97	46	15910	4.61	ug/L	0.00
24) Chloroform-d	4.40	84	14193	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	6825	0.50	ug/L	0.00
32) Benzene-d6	5.10	84	28875	0.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9447	0.57	ug/L	0.00
41) Toluene-d8	7.36	98	26003	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2960	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	10770	3.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5451	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9027	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8627	0.478 ug/L	91
3) Chloromethane	1.25	50	8060	0.536 ug/L	90
5) Vinyl chloride	1.32	62	8011	0.574 ug/L	98
6) Bromomethane	1.54	94	3635	0.418 ug/L	93
8) Chloroethane	1.60	64	3052	0.383 ug/L	98
9) Trichlorofluoromethane	1.76	101	10132	0.521 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6386	0.566 ug/L	94
12) 1,1-Dichloroethene	2.14	96	5868	0.571 ug/L	85
13) Acetone	2.22	43	9446	5.338 ug/L	99
14) Carbon disulfide	2.32	76	17496	0.547 ug/L	100
15) Methyl Acetate	2.47	43	2236	0.500 ug/L	98
16) Methylene chloride	2.53	84	7503	0.609 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	13326	0.500 ug/L	93
18) trans-1,2-Dichloroethene	2.78	96	6053	0.543 ug/L	89
19) 1,1-Dichloroethane	3.23	63	13595	0.497 ug/L	93
21) 2-Butanone	4.05	43	16442	4.176 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	8632	0.528 ug/L	86
23) Bromochloromethane	4.30	128	3480	0.550 ug/L	89
25) Chloroform	4.43	83	15985	0.466 ug/L	87
27) 1,2-Dichloroethane	5.18	62	7957	0.464 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	11721	0.479 ug/L	99
30) Cyclohexane	4.72	56	12022	0.445 ug/L	98
31) Carbon tetrachloride	4.87	117	9388	0.452 ug/L	99
33) Benzene	5.15	78	32201	0.525 ug/L	100
34) Trichloroethene	5.96	95	8561	0.522 ug/L	96
35) Methylcyclohexane	6.17	83	12925	0.471 ug/L	99
37) 1,2-Dichloropropane	6.23	63	7610	0.474 ug/L	100
38) Bromodichloromethane	6.56	83	8238	0.423 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	9178	0.423 ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	38099	4.121 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	31335	0.489	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	7086	0.408	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	5258	0.512	ug/L	95
47) Tetrachloroethene	8.02	164	6243	0.520	ug/L	92
48) 2-Hexanone	8.20	43	25733	4.128	ug/L	97
49) Dibromochloromethane	8.29	129	4742	0.412	ug/L	99
50) 1,2-Dibromoethane	8.40	107	4428	0.478	ug/L #	99
51) Chlorobenzene	8.93	112	32049	0.802	ug/L	93
52) Ethylbenzene	9.06	91	34094	0.485	ug/L	99
53) m,p-xylene	9.18	106	12598	0.482	ug/L	92
54) o-xylene	9.59	106	12150	0.479	ug/L	98
55) Styrene	9.61	104	19069	0.465	ug/L	93
56) Isopropylbenzene	9.98	105	31630	0.465	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	5043	0.422	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	4317	0.475	ug/L	100
61) Bromoform	9.78	173	2120	0.387	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	15153	0.538	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	19375	0.694	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	18330	0.683	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	645	0.384	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	10639	0.517	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	6715	0.411	ug/L	94
69) Naphthalene	13.56	128	8752	0.340	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	6008	0.399	ug/L	100

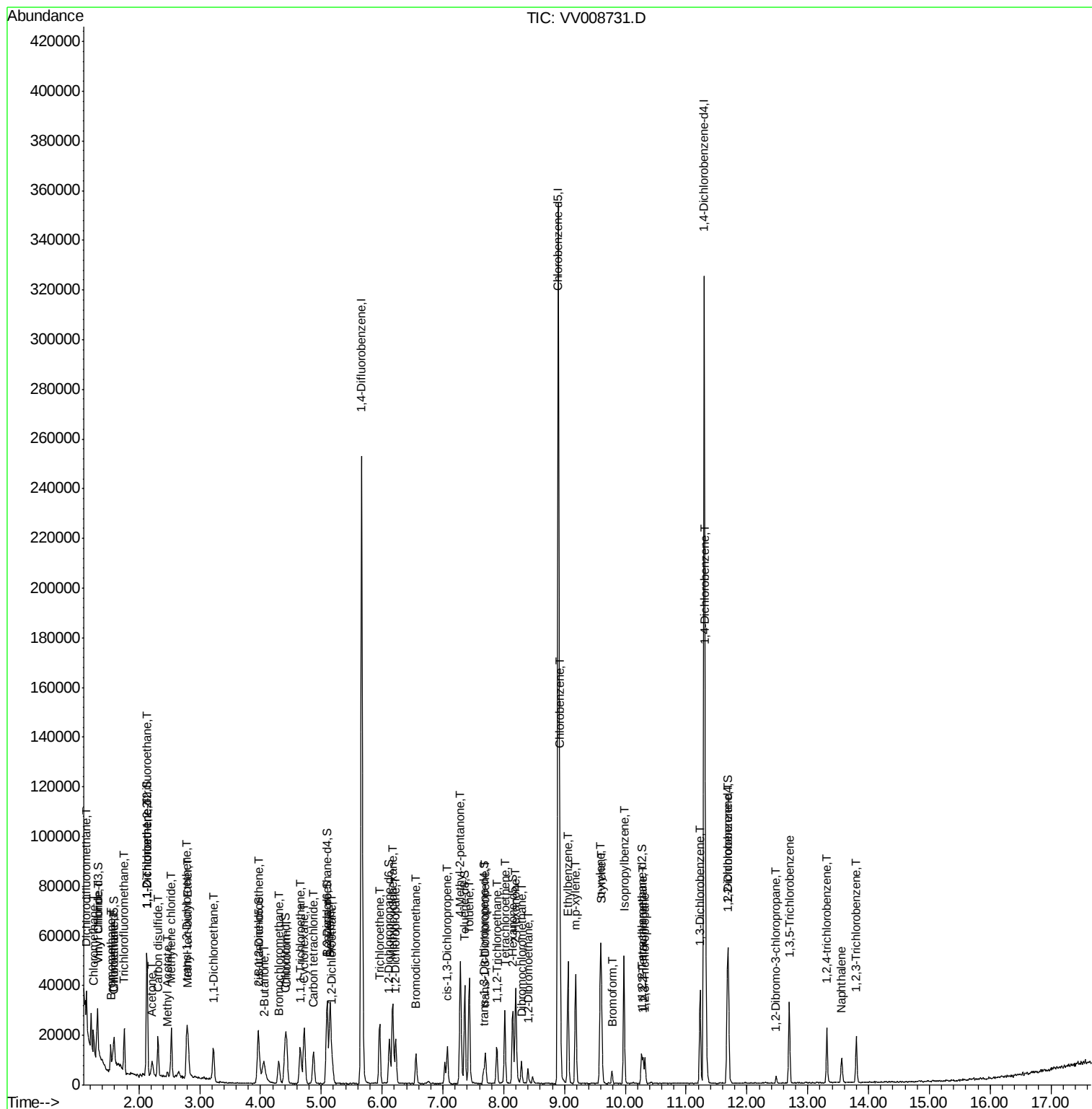
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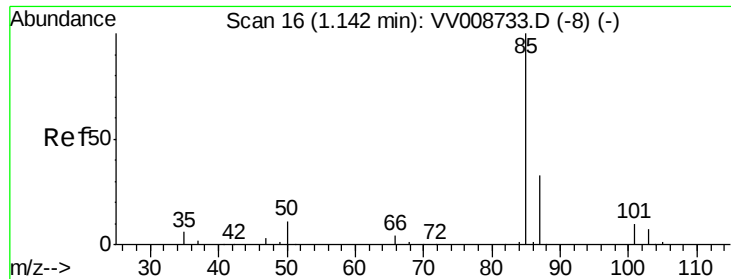
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#2

Dichlorodifluoromethane

Concen: 0.478 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

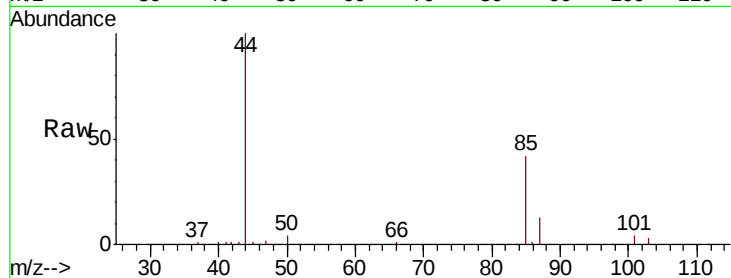
VSTD0.562

Tgt Ion: 85 Resp: 8627

Ion Ratio Lower Upper

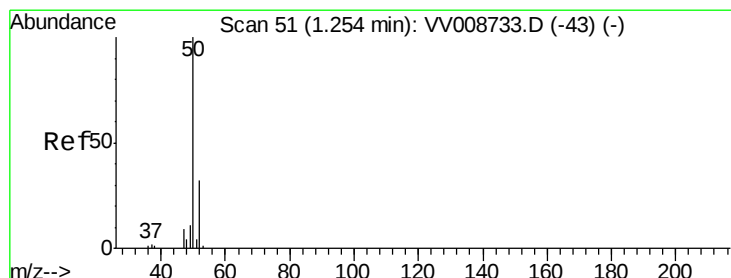
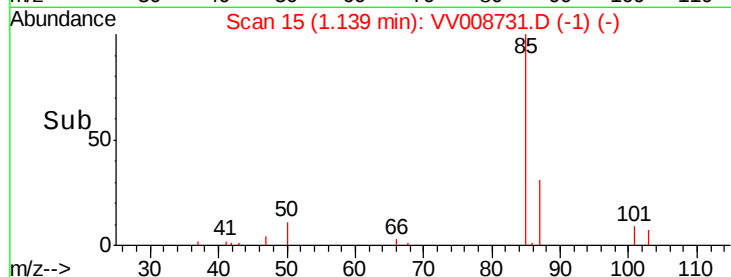
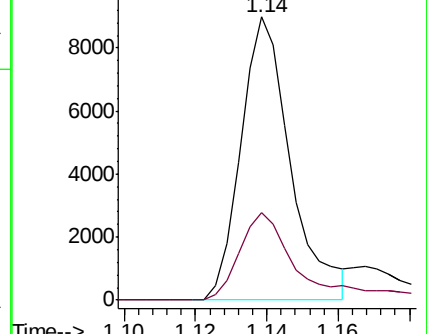
85 100

87 37.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.536 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008731.D

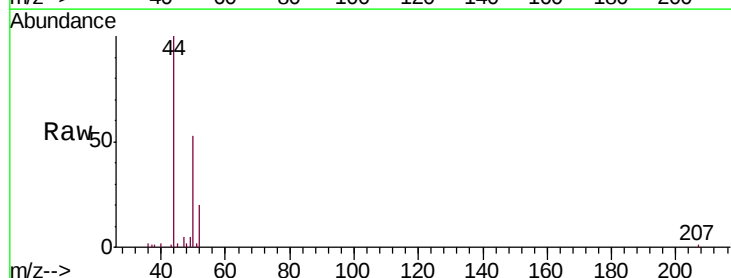
Acq: 28 Nov 2018 12:33

Tgt Ion: 50 Resp: 8060

Ion Ratio Lower Upper

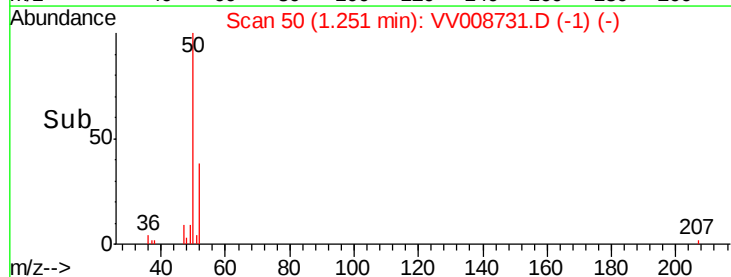
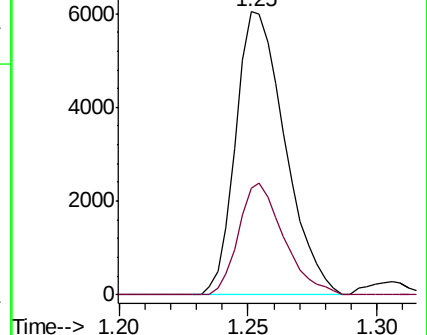
50 100

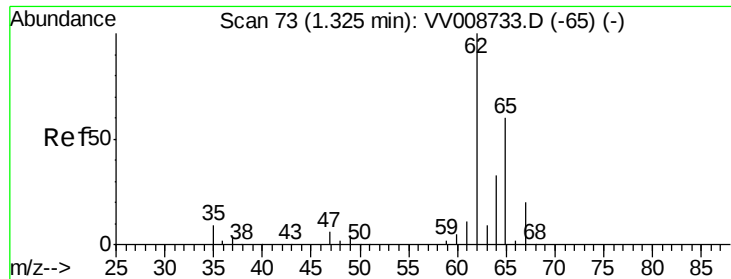
52 37.6 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.574 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

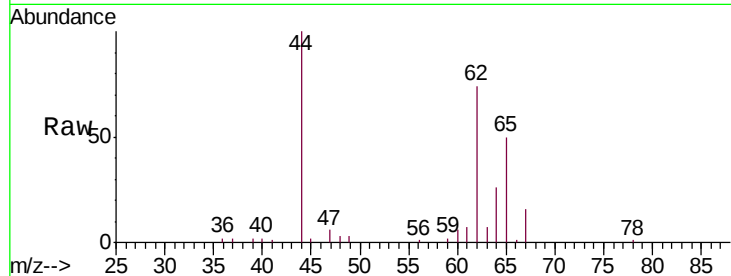
VSTD0.562

Tgt Ion: 62 Resp: 8011

Ion Ratio Lower Upper

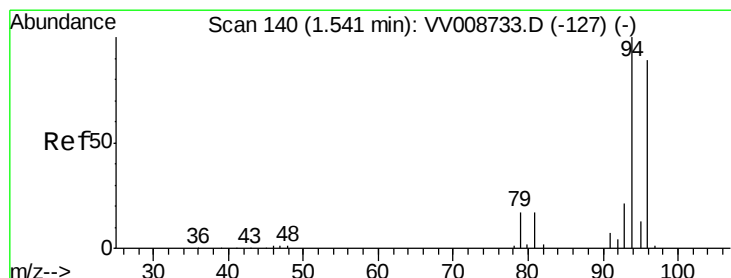
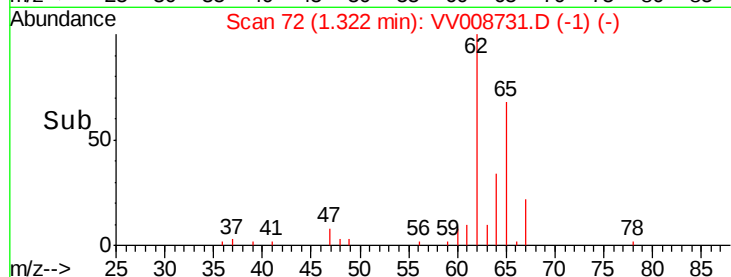
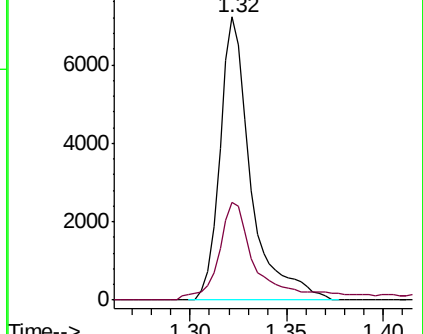
62 100

64 34.5 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: 0.418 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008731.D

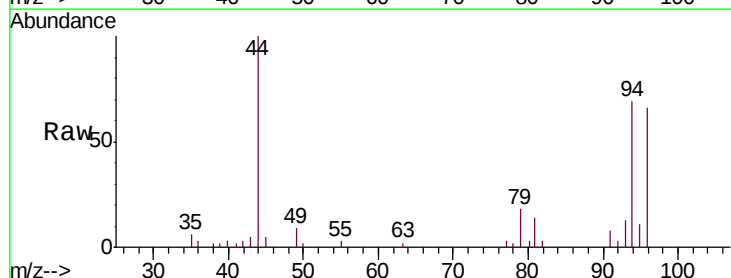
Acq: 28 Nov 2018 12:33

Tgt Ion: 94 Resp: 3635

Ion Ratio Lower Upper

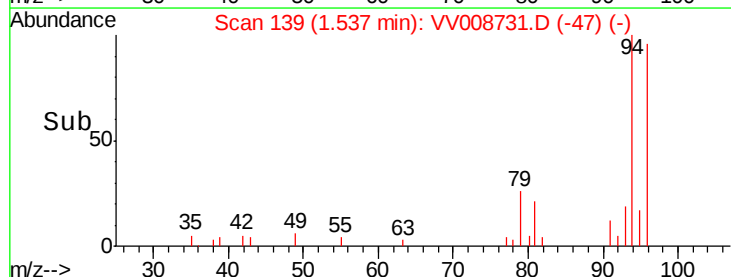
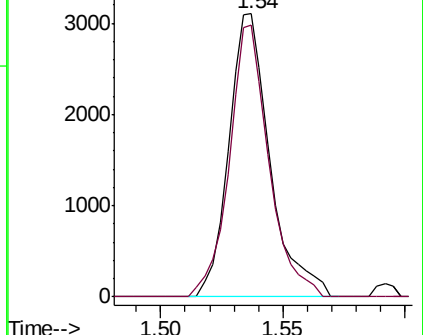
94 100

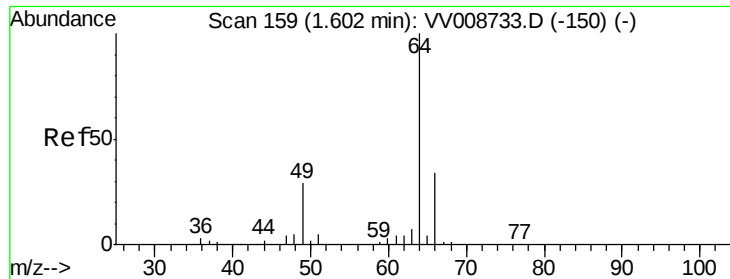
96 96.2 62.6 116.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.383 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

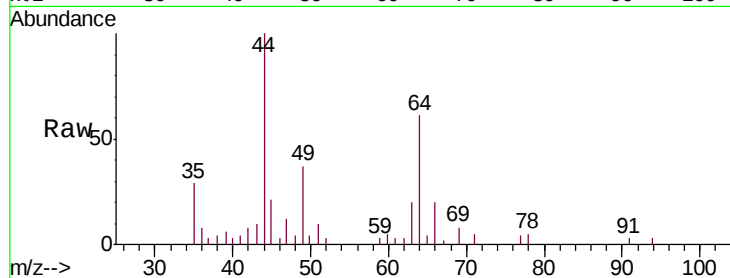
VSTD0.562

Tgt Ion: 64 Resp: 3052

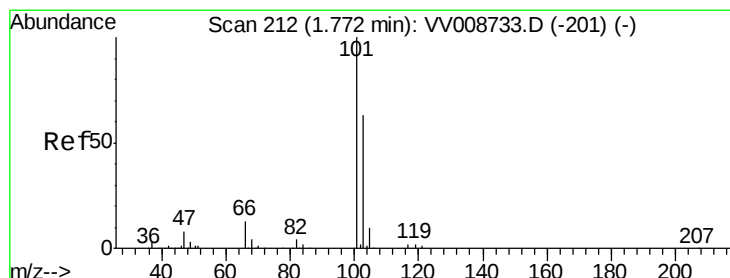
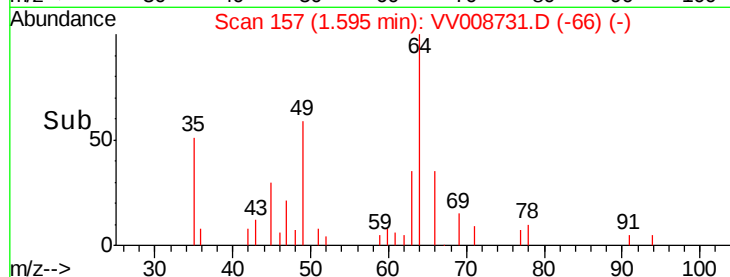
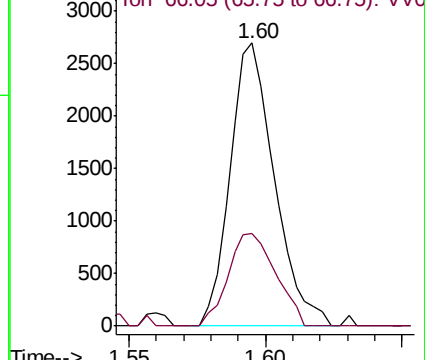
Ion Ratio Lower Upper

64 100

66 32.9 24.0 44.6



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



#9

Trichlorofluoromethane

Concen: 0.521 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV008731.D

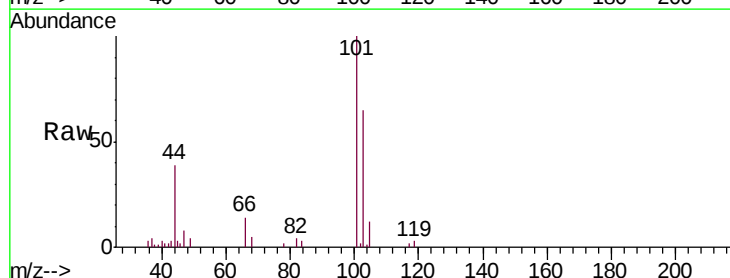
Acq: 28 Nov 2018 12:33

Tgt Ion: 101 Resp: 10132

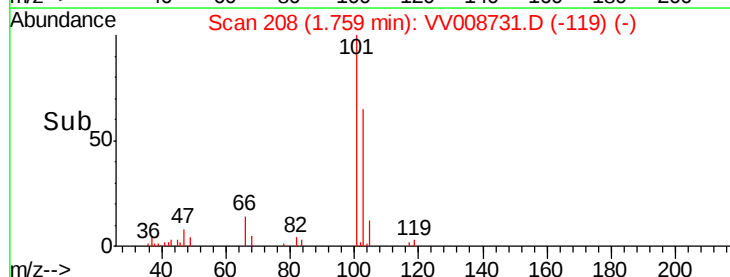
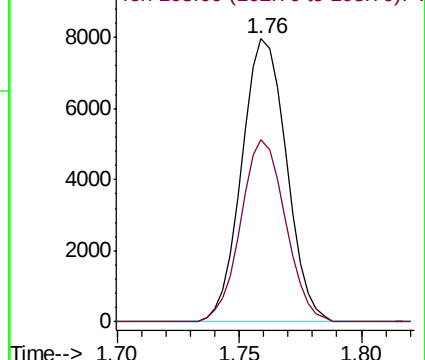
Ion Ratio Lower Upper

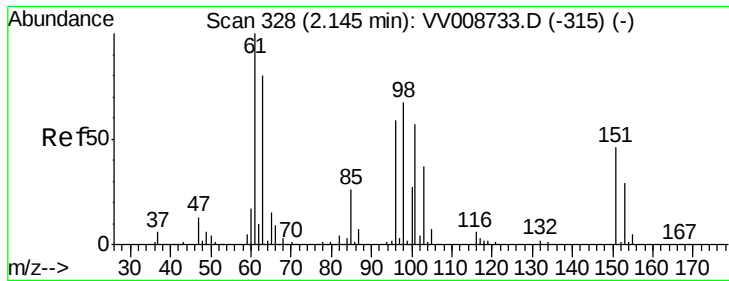
101 100

103 64.3 51.8 77.6



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





#10

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

Concen: 0.566 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.562

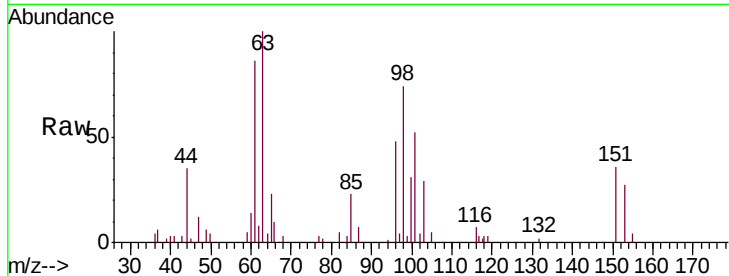
Tgt Ion: 101 Resp: 6386

Ion Ratio Lower Upper

101 100

85 41.9 34.8 52.2

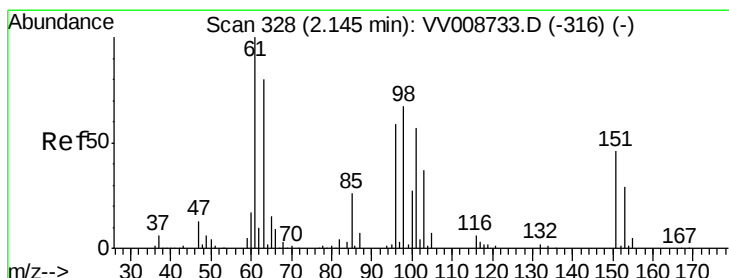
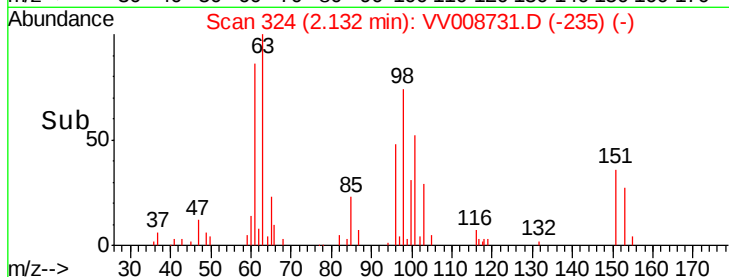
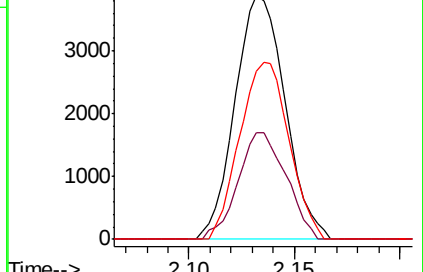
151 71.7 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): VV008731.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV008731.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV008731.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 0.571 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

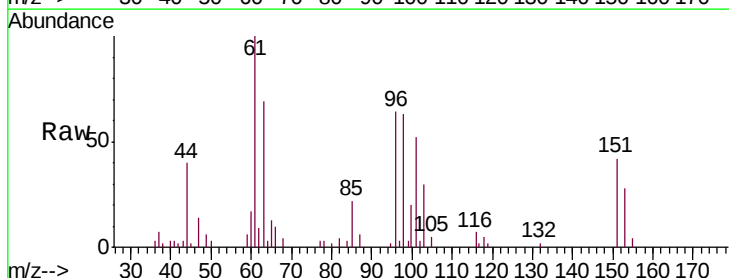
Tgt Ion: 96 Resp: 5868

Ion Ratio Lower Upper

96 100

61 156.4 118.0 219.2

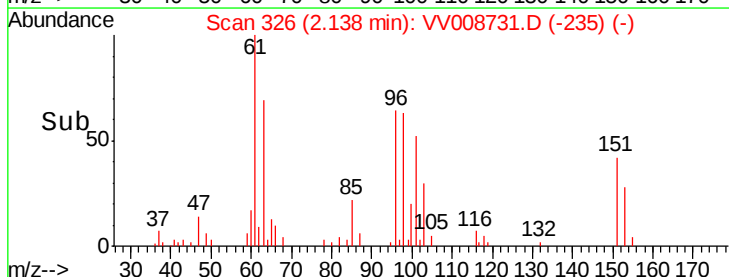
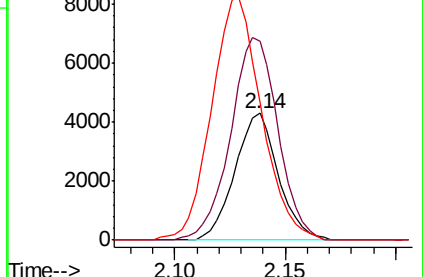
63 108.1 95.3 177.1

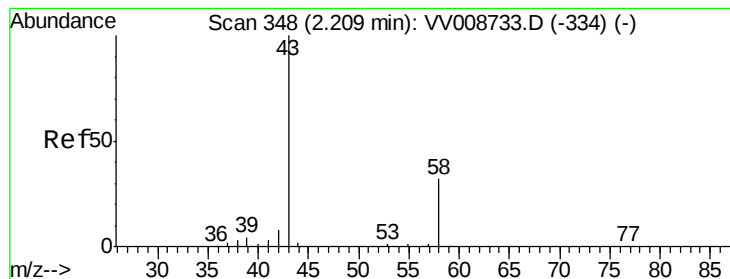


Abundance Ion 96.00 (95.70 to 96.70): VV008731.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008731.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008731.D (-235) (-)





#13

Acetone

Concen: 5.338 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

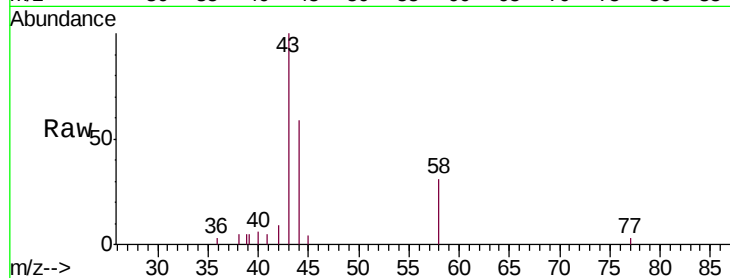
VSTD0.562

Tgt Ion: 43 Resp: 9446

Ion Ratio Lower Upper

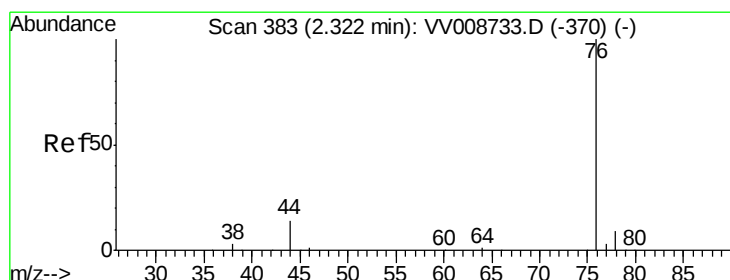
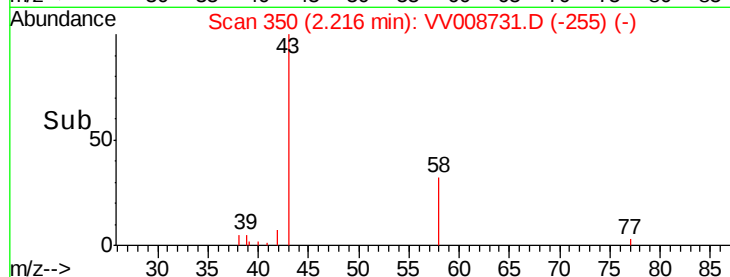
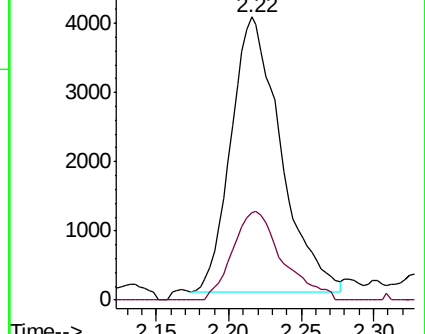
43 100

58 32.4 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VV008731.D (-350) (-)

Ion 58.05 (57.75 to 58.75): VV008731.D (-350) (-)



#14

Carbon disulfide

Concen: 0.547 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VV008731.D

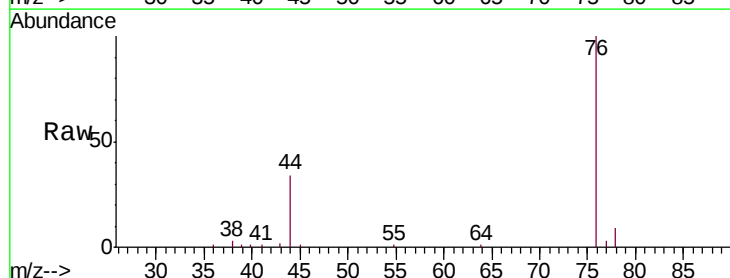
Acq: 28 Nov 2018 12:33

Tgt Ion: 76 Resp: 17496

Ion Ratio Lower Upper

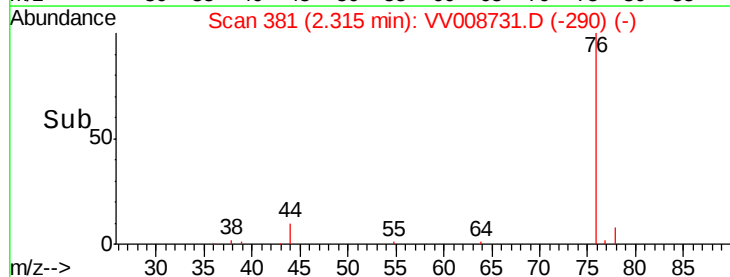
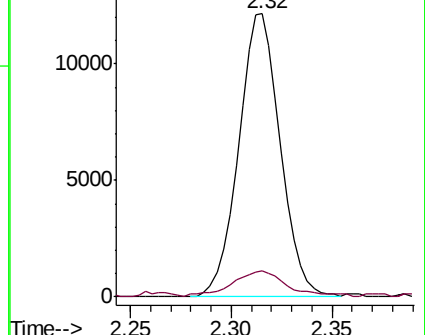
76 100

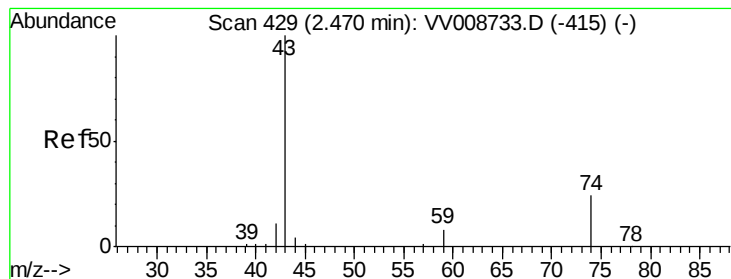
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV008731.D (-290) (-)

Ion 78.00 (77.70 to 78.70): VV008731.D (-290) (-)





#15

Methyl Acetate

Concen: 0.500 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

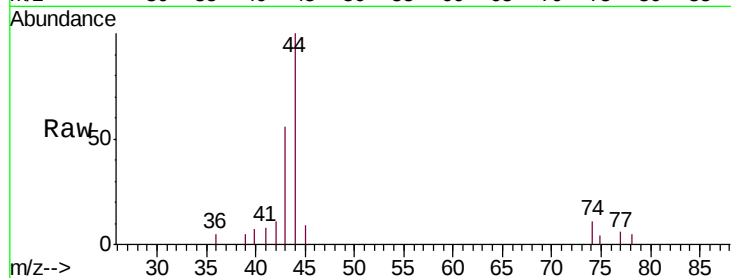
VSTD0.562

Tgt Ion: 43 Resp: 2236

Ion Ratio Lower Upper

43 100

74 22.1 18.6 27.8



Abundance Ion 43.05 (42.75 to 43.75): VV008733.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VV008733.D (-415) (-)

2.47

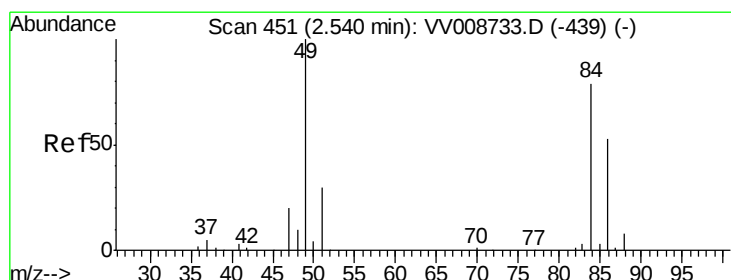
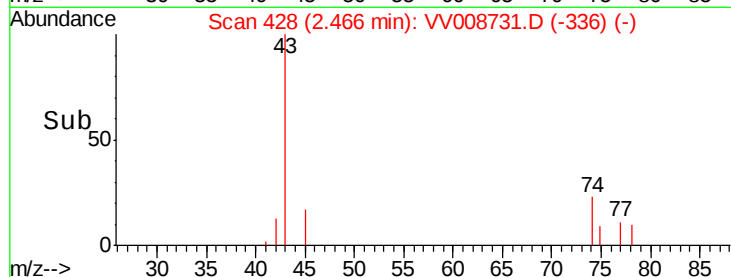
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 0.609 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.01 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

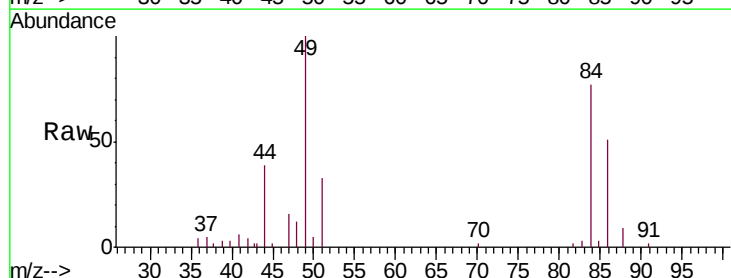
Tgt Ion: 84 Resp: 7503

Ion Ratio Lower Upper

84 100

86 66.9 47.3 87.9

49 130.6 88.8 165.0



Abundance Ion 84.05 (83.75 to 84.75): VV008733.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV008733.D (-439) (-)

Ion 49.10 (48.80 to 49.80): VV008733.D (-439) (-)

8000

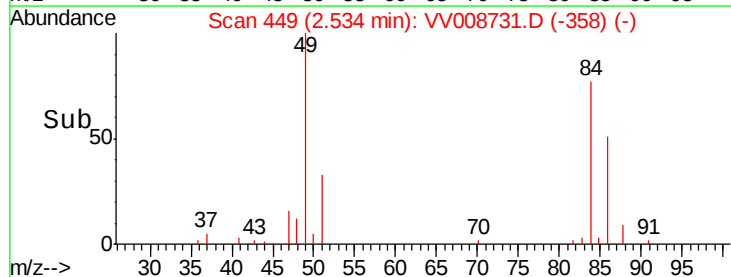
6000

4000

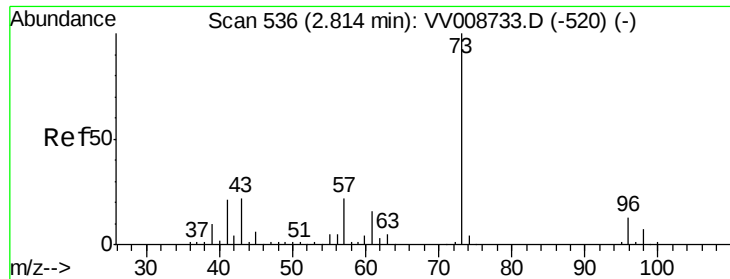
2000

0

Time-->



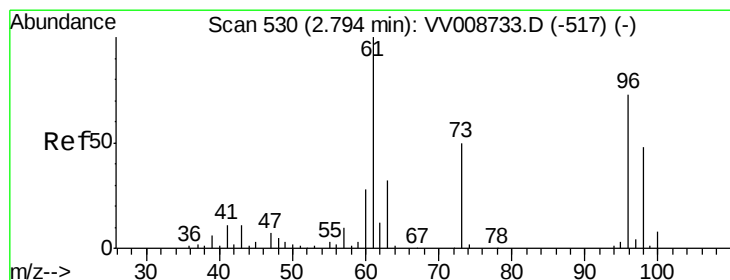
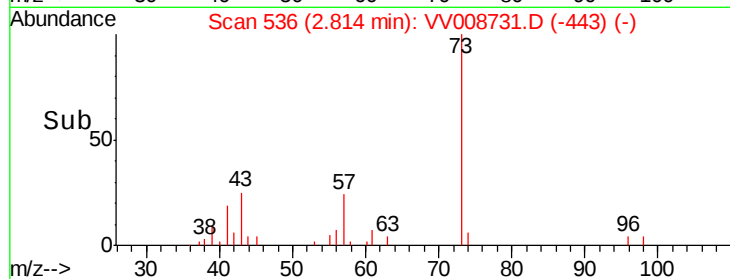
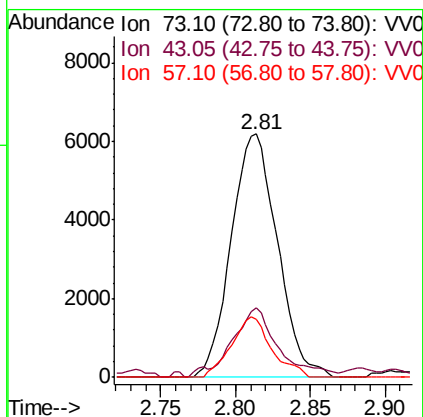
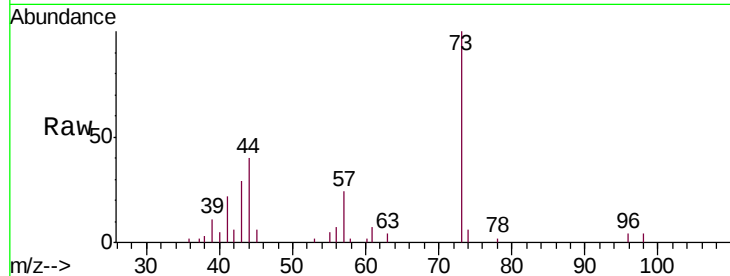
Time-->



#17
Methyl tert-butyl Ether
Concen: 0.500 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

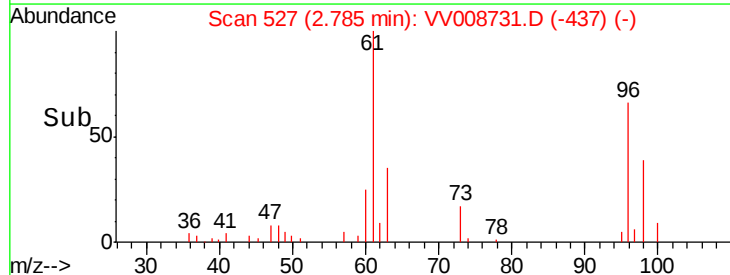
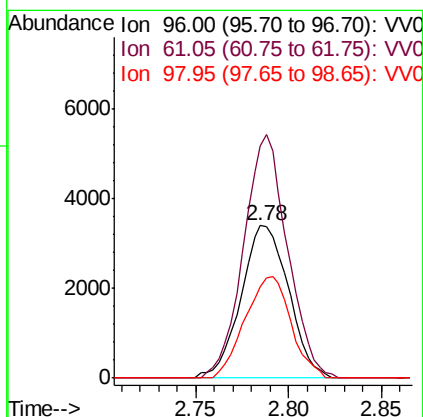
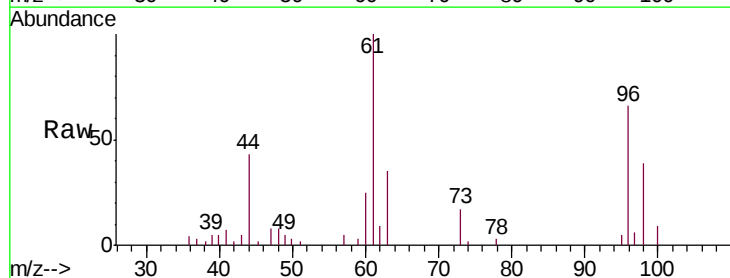
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

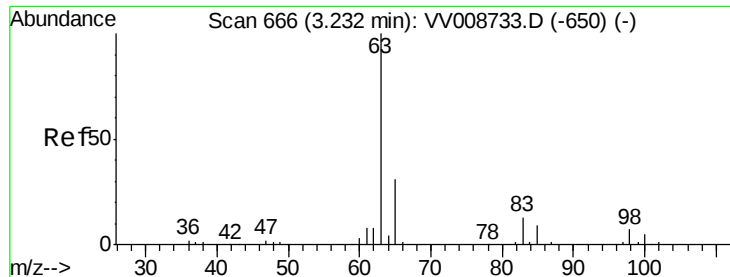
Tgt Ion: 73 Resp: 13326
Ion Ratio Lower Upper
73 100
43 28.6 17.9 26.9#
57 21.6 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 0.543 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion: 96 Resp: 6053
Ion Ratio Lower Upper
96 100
61 152.7 96.5 179.1
98 60.3 46.3 86.1

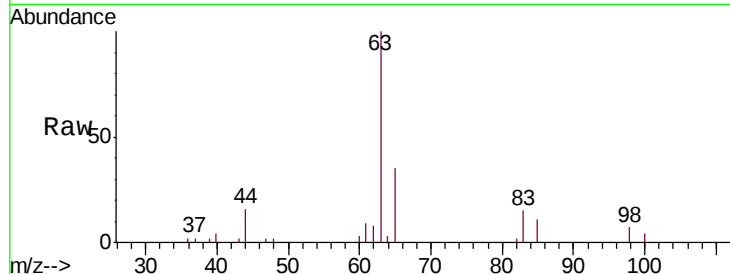




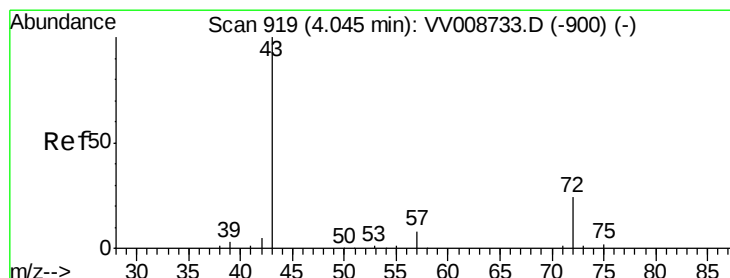
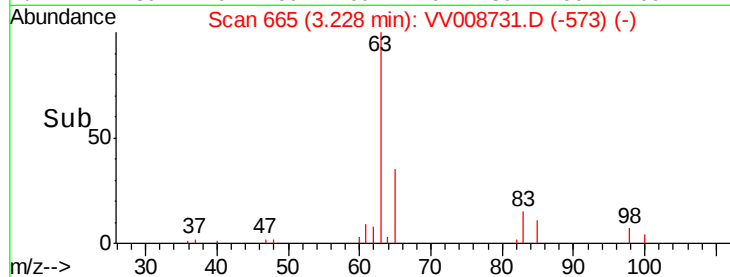
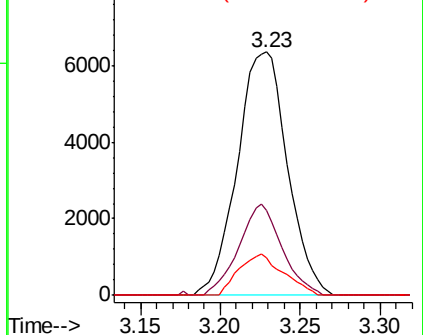
#19
 1,1-Dichloroethane
 Concen: 0.497 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

Tgt Ion: 63 Resp: 13595
 Ion Ratio Lower Upper
 63 100
 65 35.0 21.6 40.2
 83 15.2 9.2 17.2

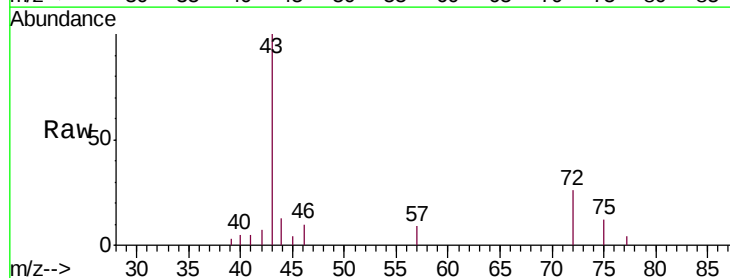


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

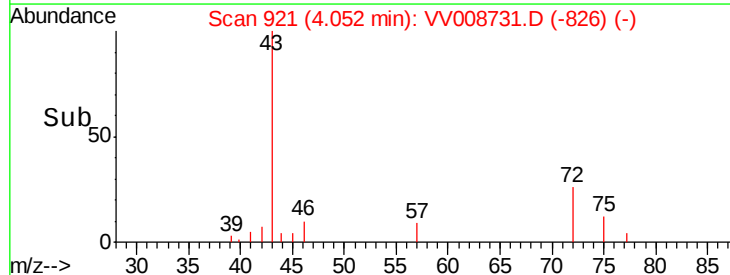
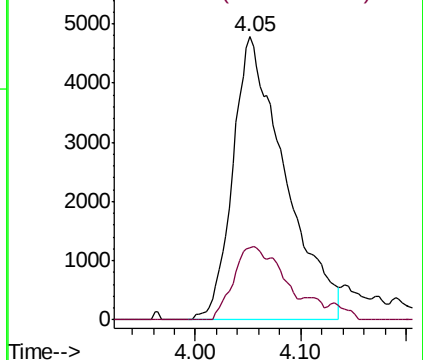


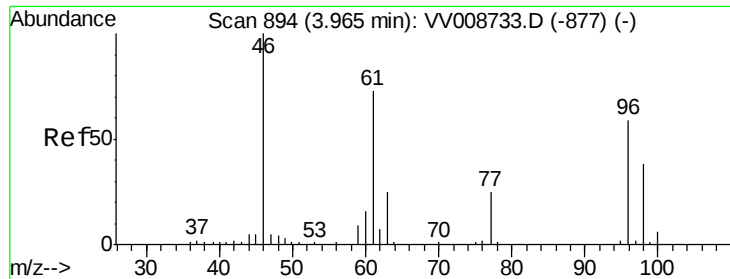
#21
 2-Butanone
 Concen: 4.176 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion: 43 Resp: 16442
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



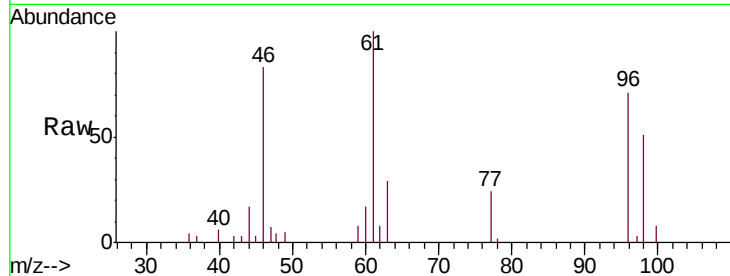


#22

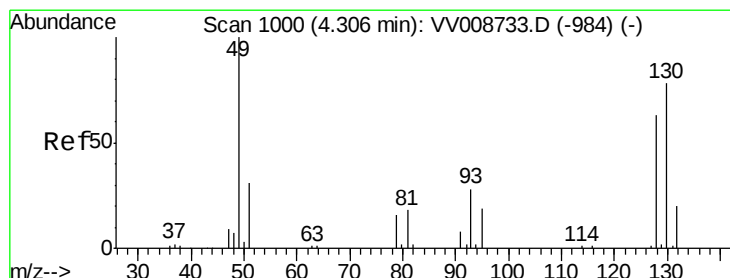
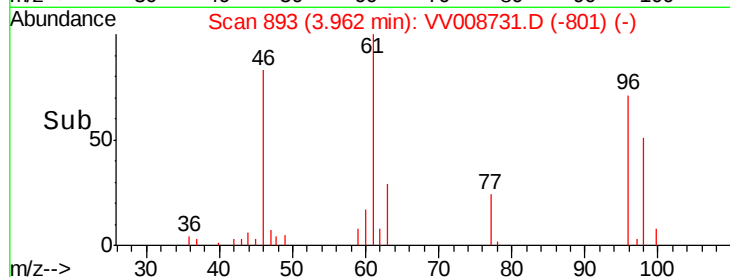
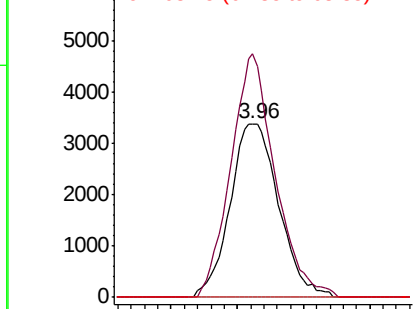
cis-1,2-Dichloroethene
 Concen: 0.528 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

Tgt Ion: 96 Resp: 8632
 Ion Ratio Lower Upper
 96 100
 61 140.1 86.9 161.3
 68 0.0 0.0 0.0



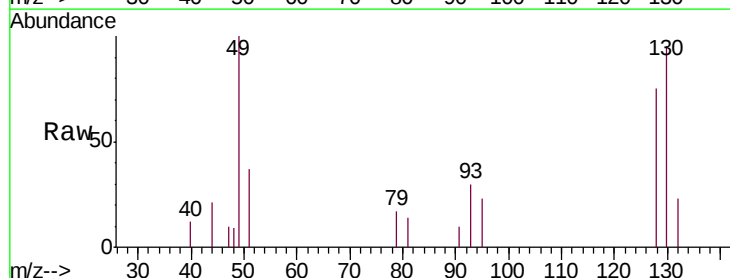
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



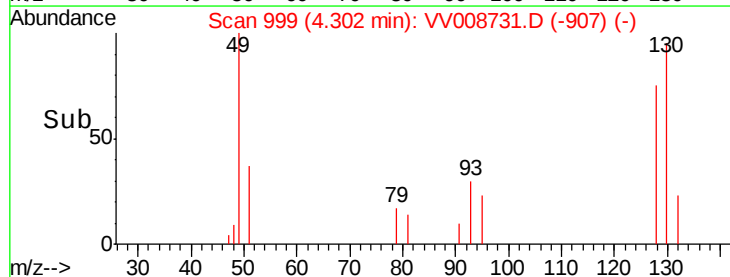
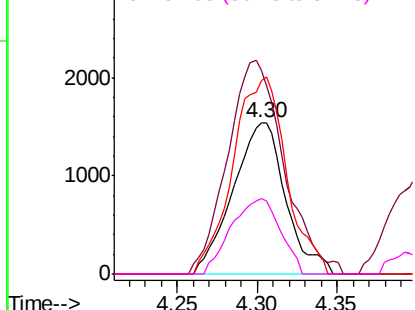
#23

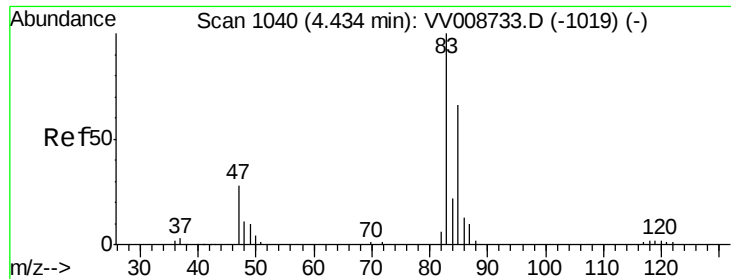
Bromochloromethane
 Concen: 0.550 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion: 128 Resp: 3480
 Ion Ratio Lower Upper
 128 100
 49 134.0 111.4 206.8
 130 127.5 86.8 161.2
 51 50.0 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

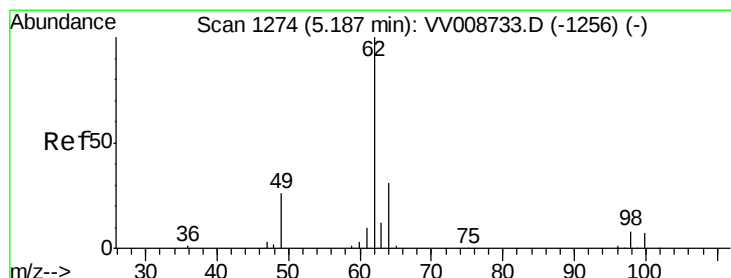
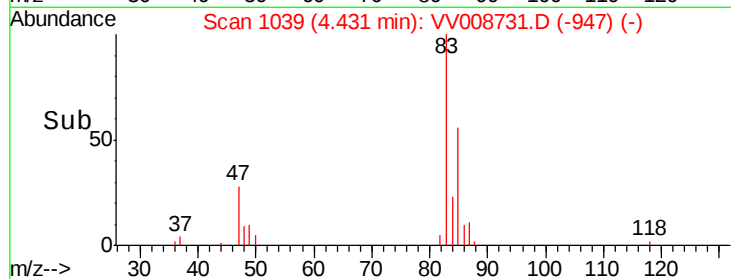
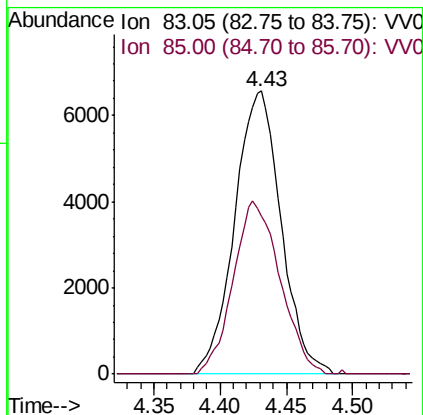
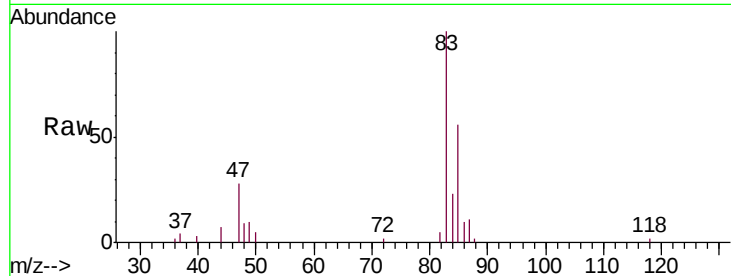




#25
Chloroform
Concen: 0.466 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

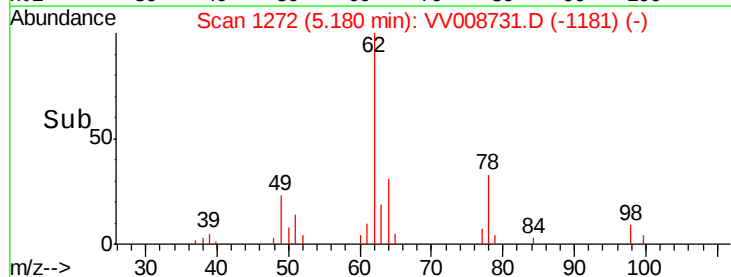
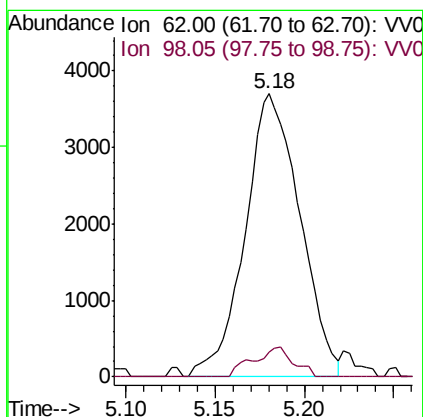
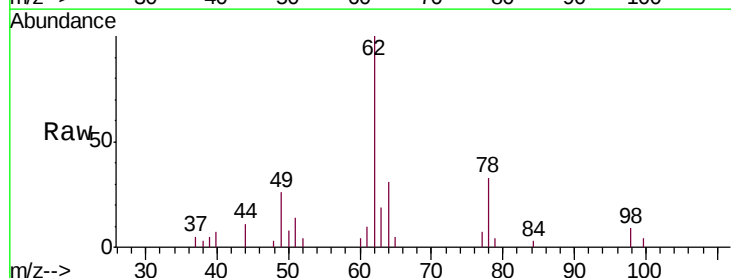
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

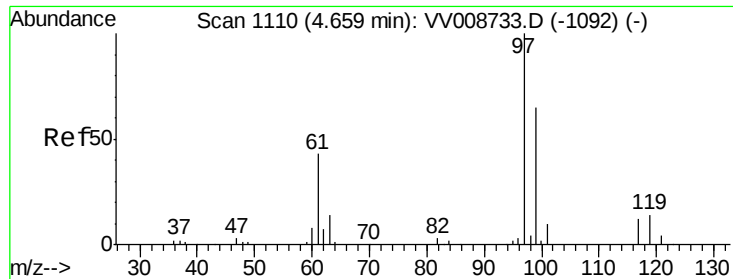
Tgt Ion: 83 Resp: 15985
Ion Ratio Lower Upper
83 100
85 55.7 46.4 86.2



#27
1,2-Dichloroethane
Concen: 0.464 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion: 62 Resp: 7957
Ion Ratio Lower Upper
62 100
98 8.6 6.6 9.8

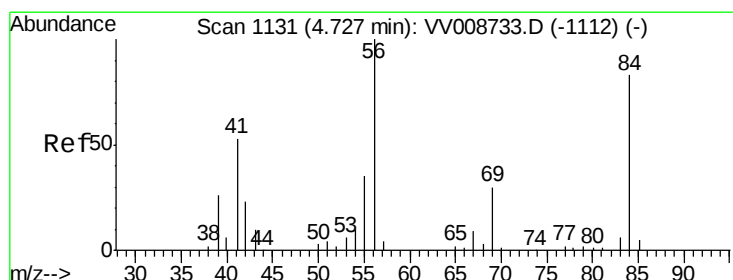
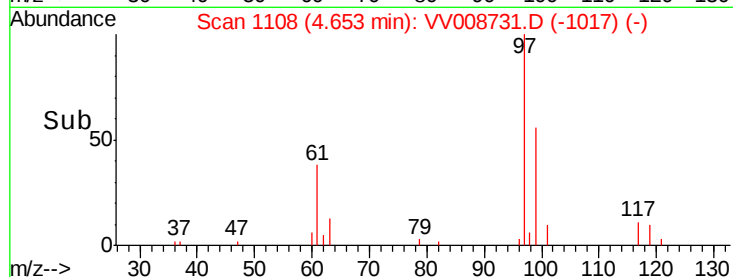
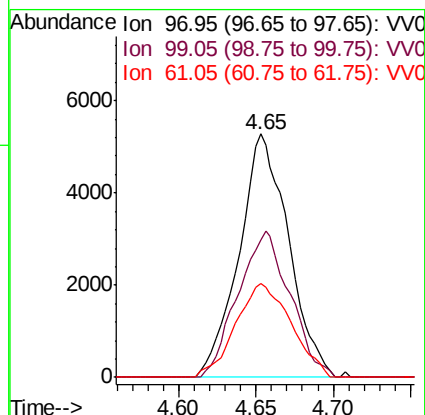
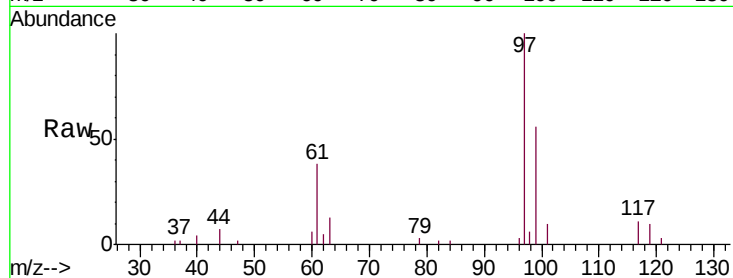




#29
1,1,1-Trichloroethane
Concen: 0.479 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

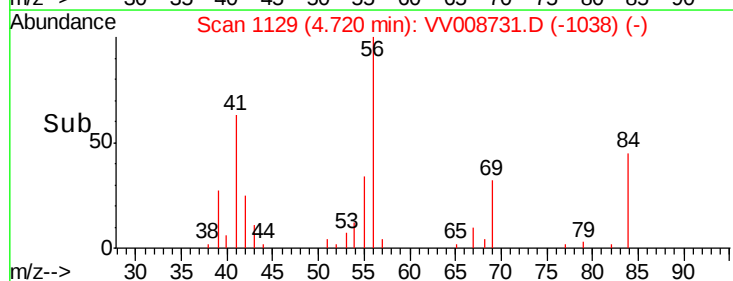
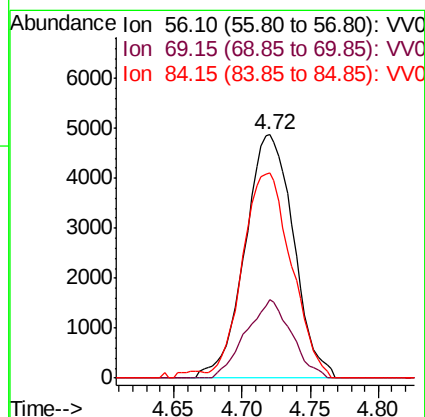
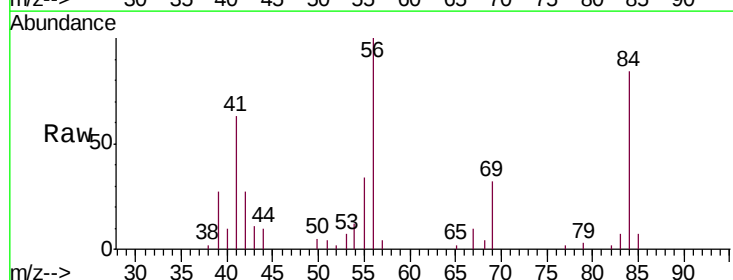
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

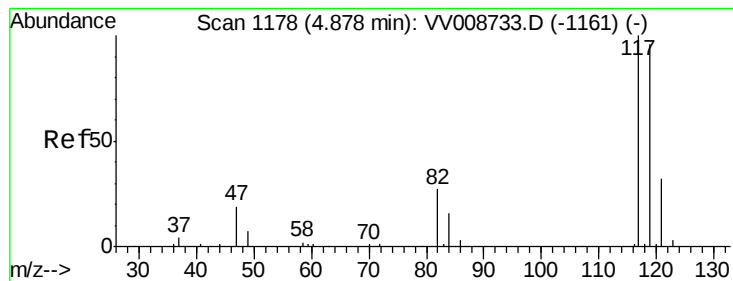
Tgt Ion: 97 Resp: 11721
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 43.0 33.8 50.6



#30
Cyclohexane
Concen: 0.445 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion: 56 Resp: 12022
Ion Ratio Lower Upper
56 100
69 30.5 24.9 37.3
84 85.2 69.5 104.3





#31

Carbon tetrachloride

Concen: 0.452 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

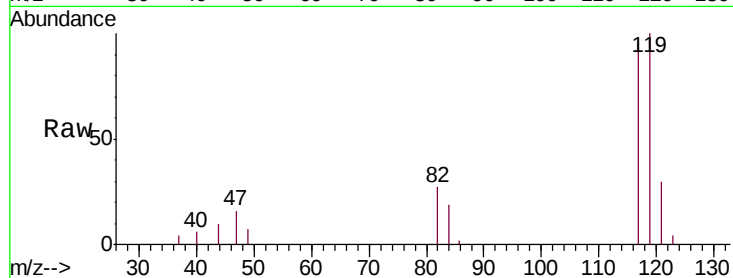
VSTD0.562

Tgt Ion:117 Resp: 9388

Ion Ratio Lower Upper

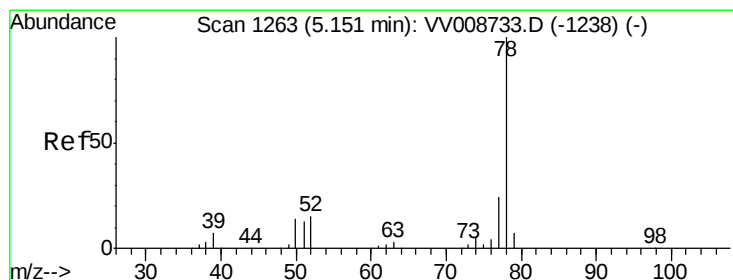
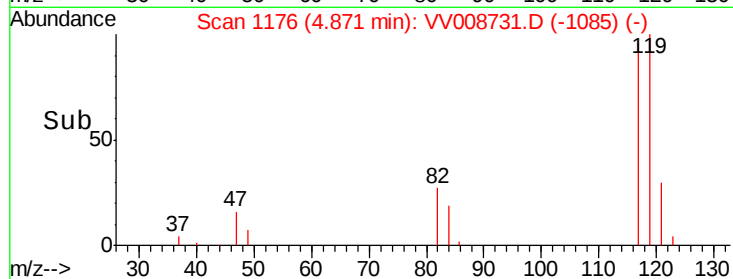
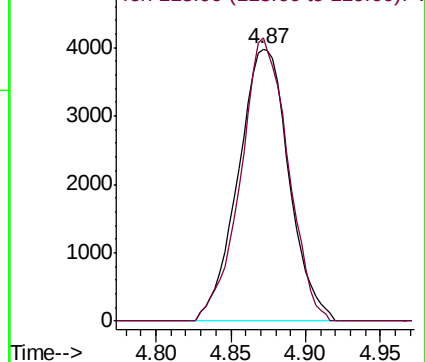
117 100

119 97.2 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.525 ug/L

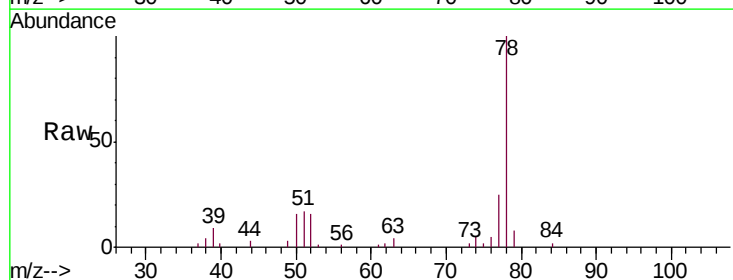
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

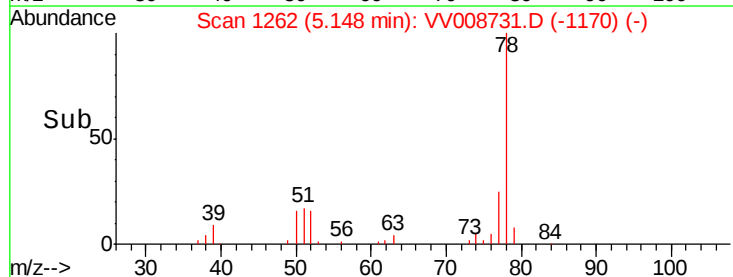
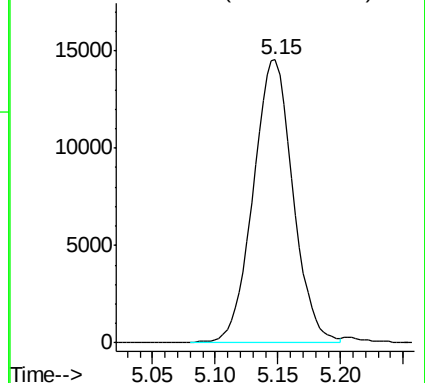
Lab File: VV008731.D

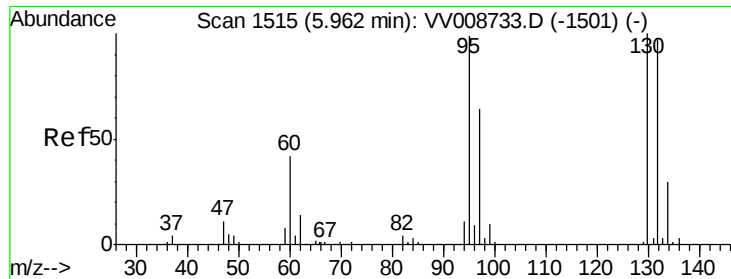
Acq: 28 Nov 2018 12:33

Tgt Ion: 78 Resp: 32201



Abundance Ion 78.10 (77.80 to 78.80): VV0

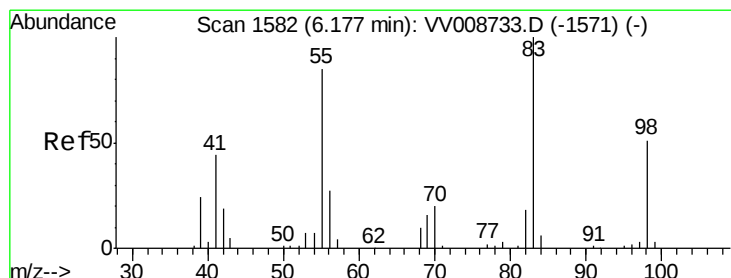
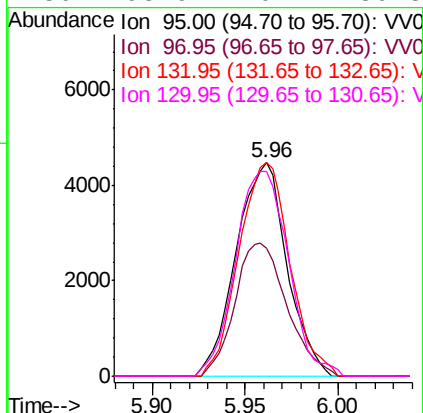
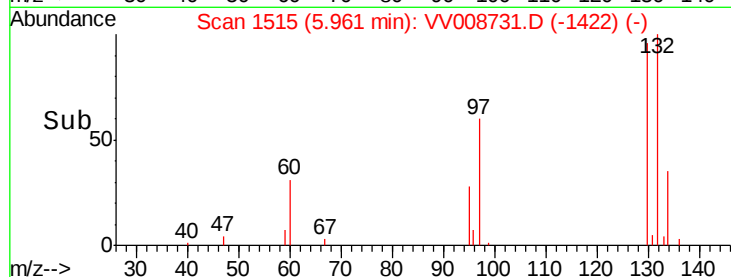
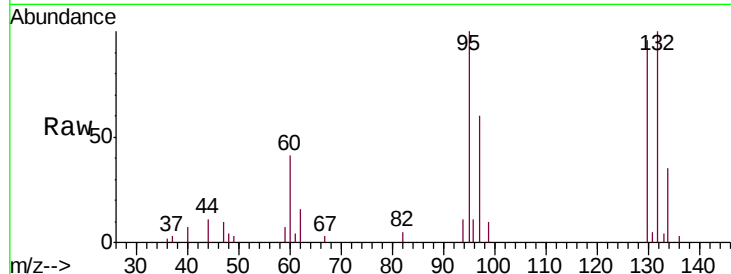




#34
 Trichloroethene
 Concen: 0.522 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

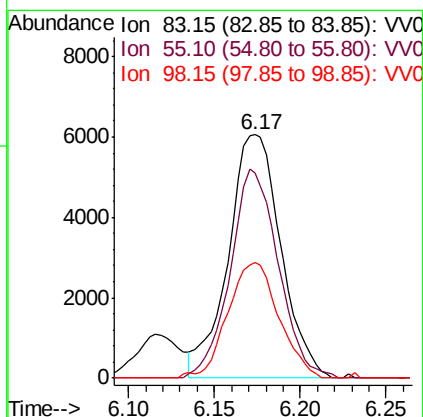
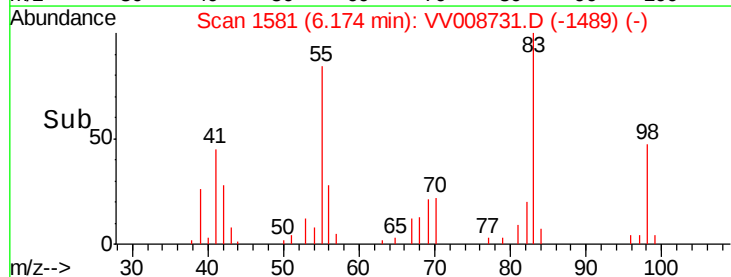
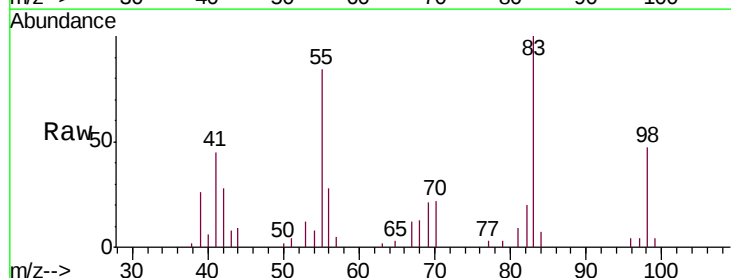
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

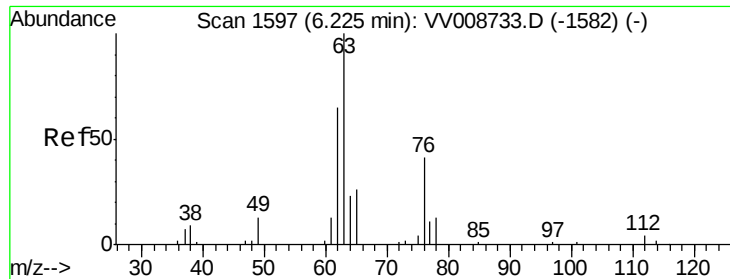
Tgt Ion: 95 Resp: 8561
 Ion Ratio Lower Upper
 95 100
 97 60.3 45.1 83.9
 132 100.1 68.0 126.4
 130 95.9 70.4 130.8



#35
 Methylcyclohexane
 Concen: 0.471 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion: 83 Resp: 12925
 Ion Ratio Lower Upper
 83 100
 55 78.4 62.2 93.2
 98 46.1 37.1 55.7

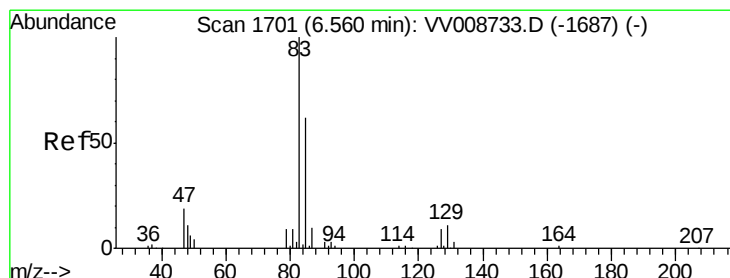
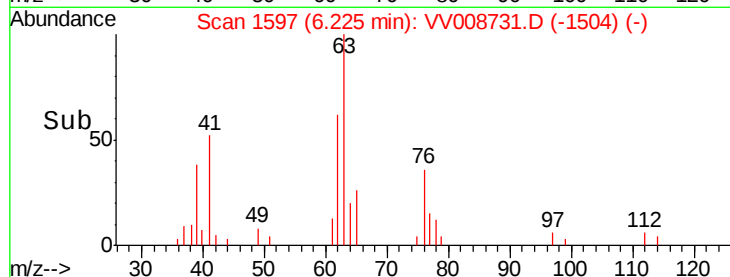
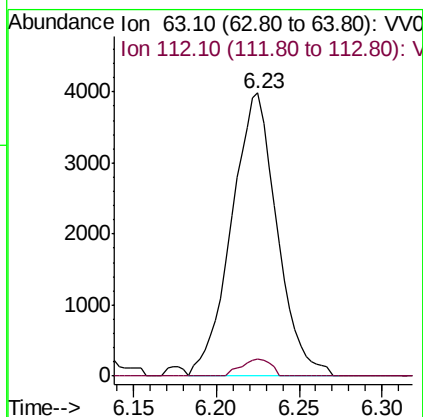
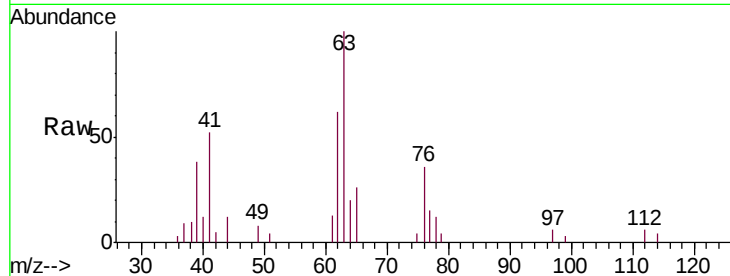




#37
 1,2-Dichloropropane
 Concen: 0.474 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

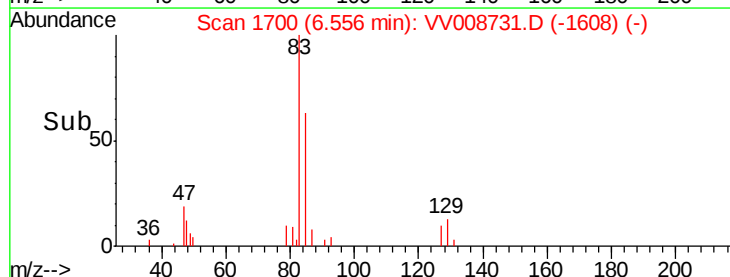
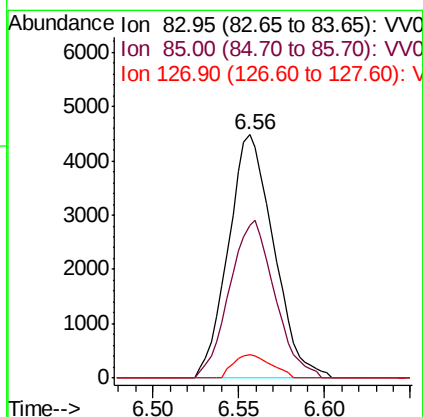
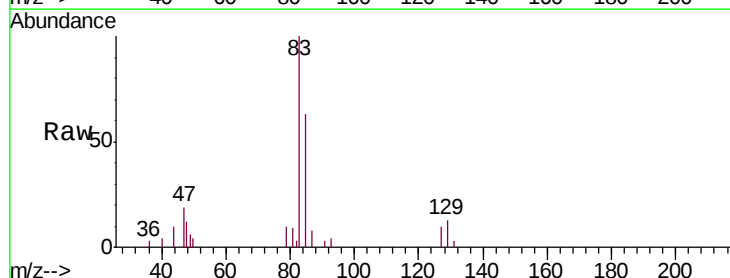
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

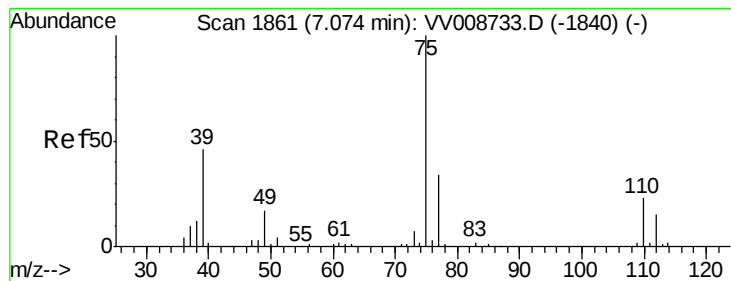
Tgt Ion: 63 Resp: 7610
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 0.423 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion: 83 Resp: 8238
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.8 81.3
 127 9.6 7.0 10.6



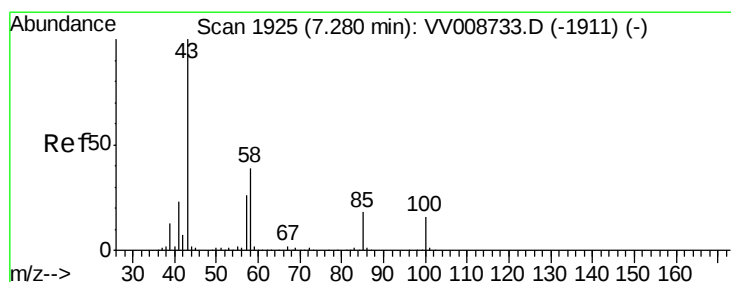
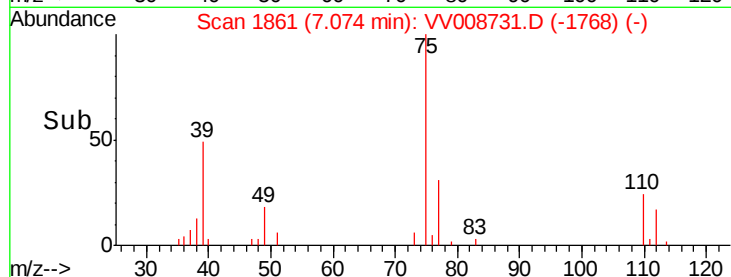
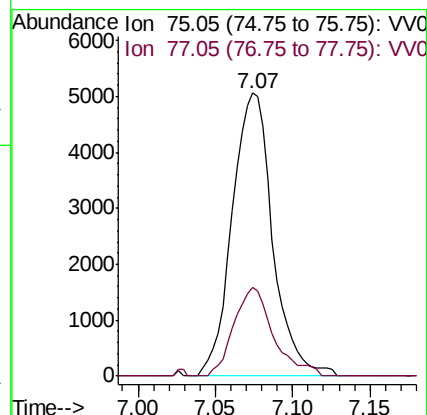
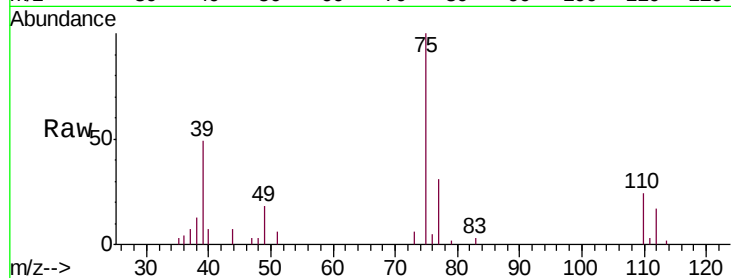


#39

cis-1,3-Dichloropropene
Concen: 0.423 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

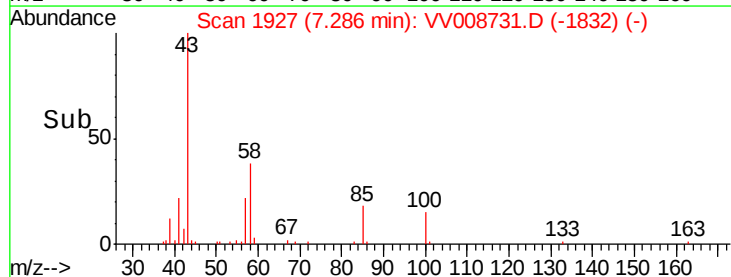
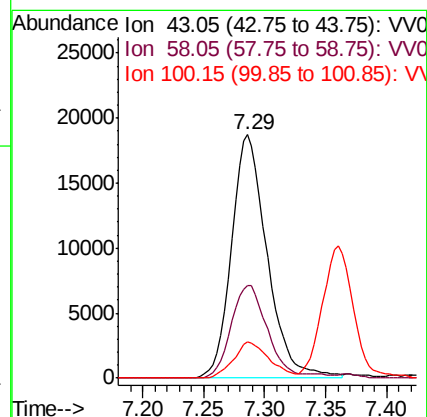
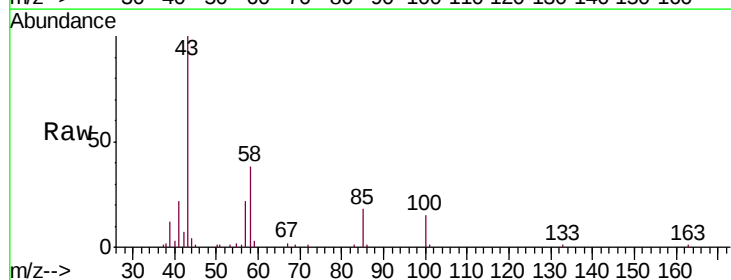
Tgt Ion: 75 Resp: 9178
Ion Ratio Lower Upper
75 100
77 31.5 23.8 44.2

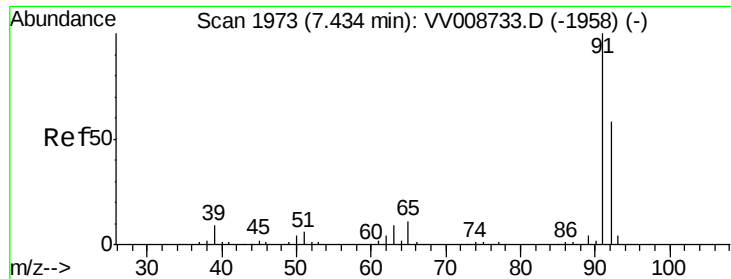


#40

4-Methyl-2-pentanone
Concen: 4.121 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.01 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion: 43 Resp: 38099
Ion Ratio Lower Upper
43 100
58 38.7 30.6 45.8
100 14.8 12.2 18.4





#42

Toluene

Concen: 0.489 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

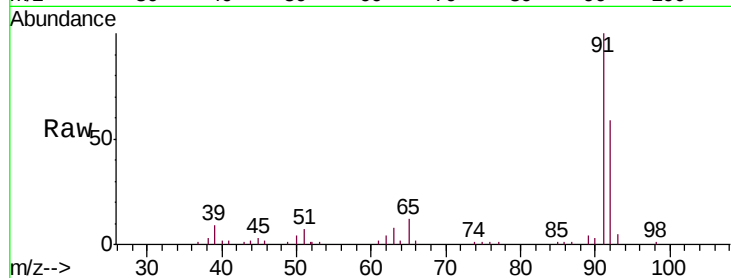
VSTD0.562

Tgt Ion: 91 Resp: 31335

Ion Ratio Lower Upper

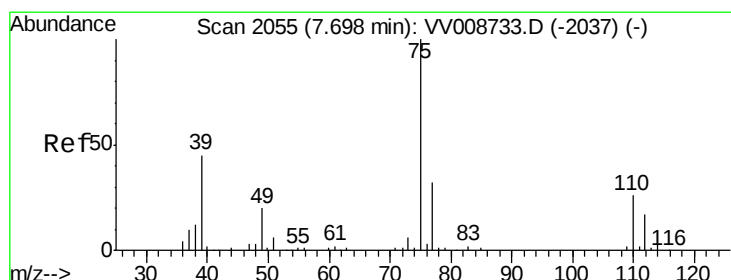
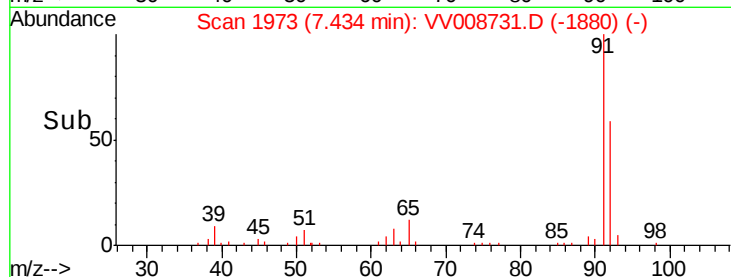
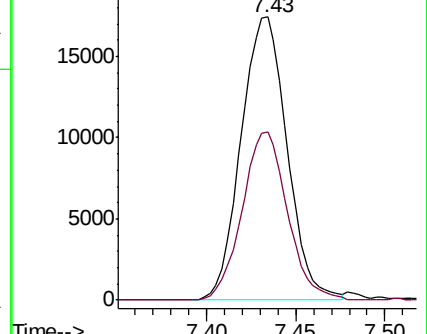
91 100

92 59.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.408 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008731.D

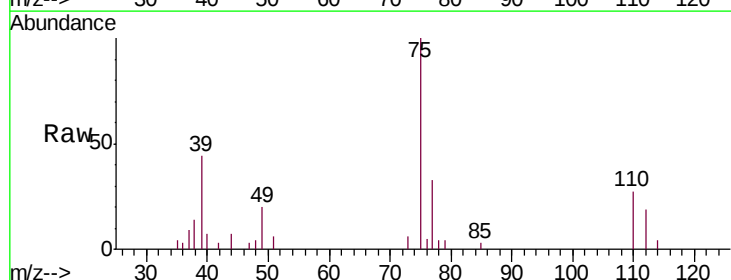
Acq: 28 Nov 2018 12:33

Tgt Ion: 75 Resp: 7086

Ion Ratio Lower Upper

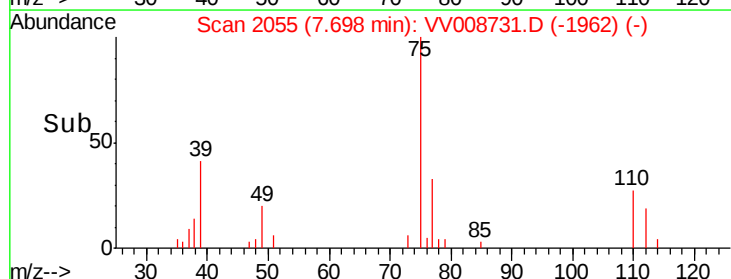
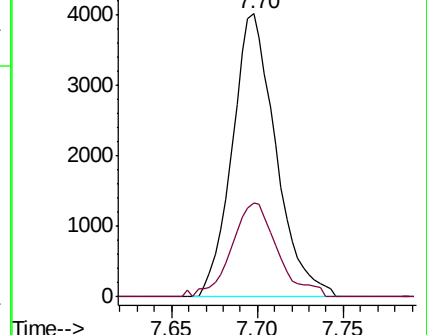
75 100

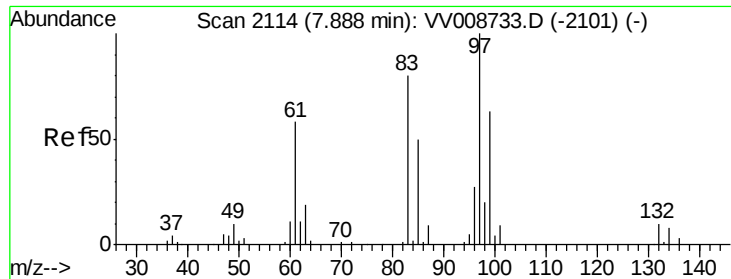
77 33.3 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

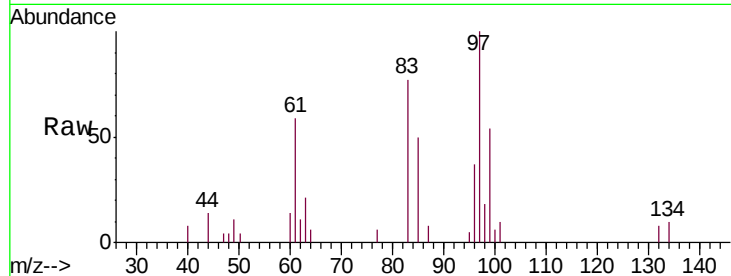




#45
 1,1,2-Trichloroethane
 Concen: 0.512 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

Tgt Ion:	97	Resp:	5258
Ion	Ratio	Lower	Upper
97	100		
99	53.6	43.8	81.4
83	77.1	55.8	103.6
85	50.3	34.6	64.3



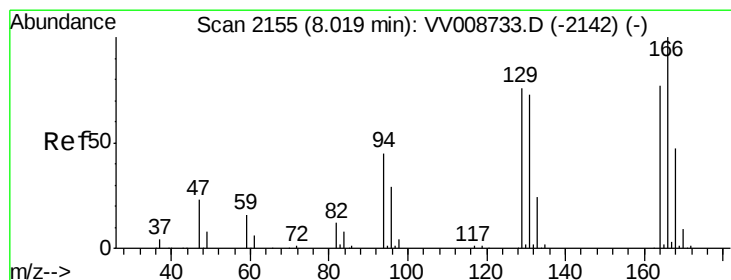
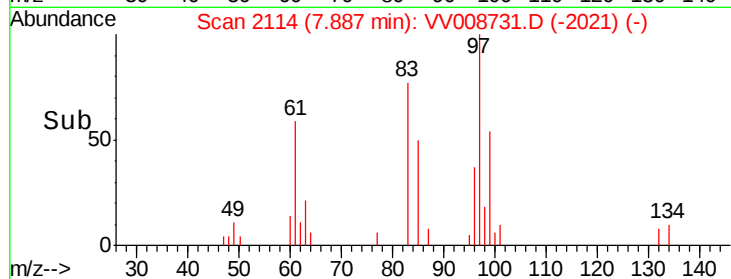
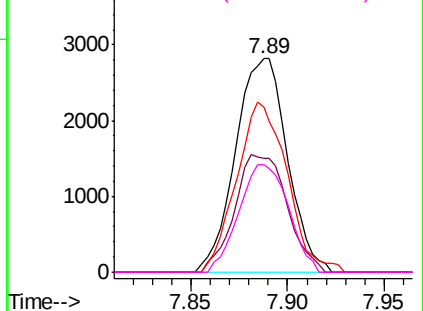
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

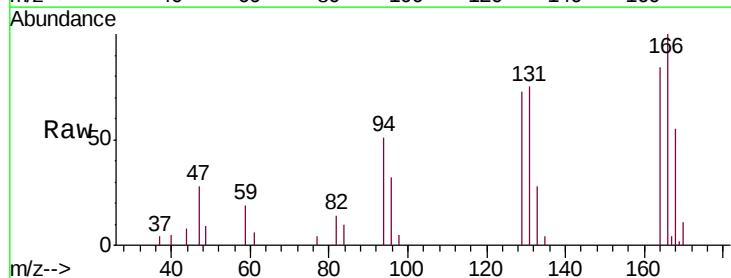
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.520 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion:	164	Resp:	6243
Ion	Ratio	Lower	Upper
164	100		
129	87.3	68.9	127.9
131	90.2	66.2	123.0
166	119.5	91.1	169.1



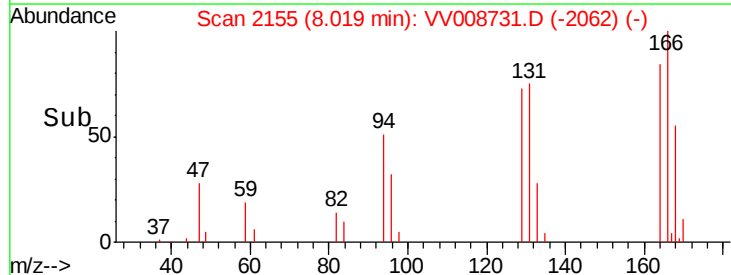
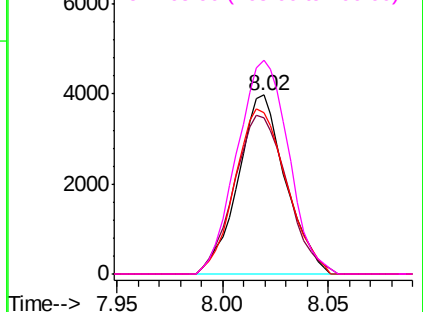
Abundance

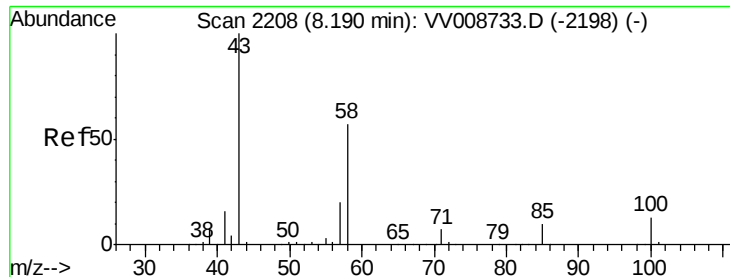
Ion 163.90 (163.60 to 164.60): V

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

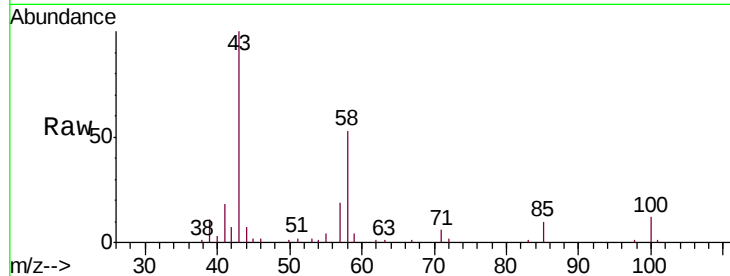




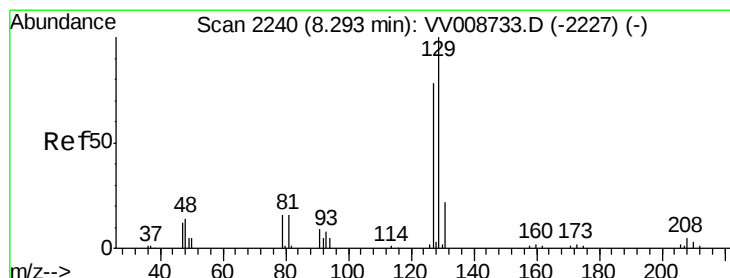
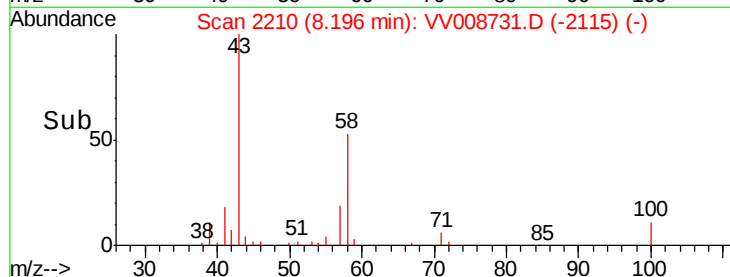
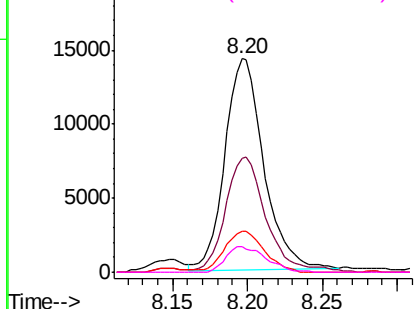
#48
2-Hexanone
Concen: 4.128 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

Tgt Ion: 43 Resp: 25733
Ion Ratio Lower Upper
43 100
58 57.4 44.1 66.1
57 20.2 15.2 22.8
100 12.7 9.7 14.5

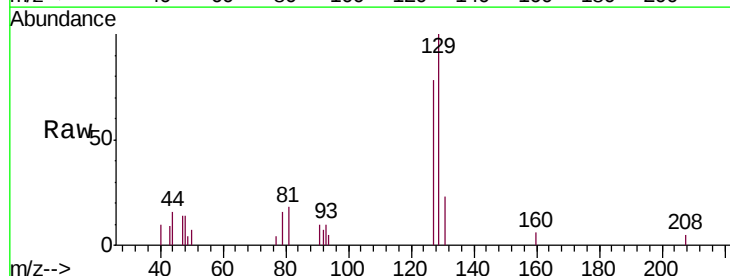


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

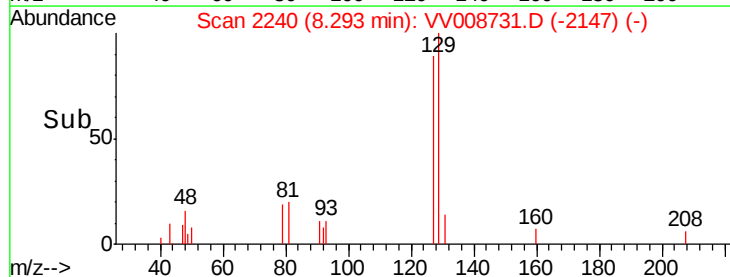
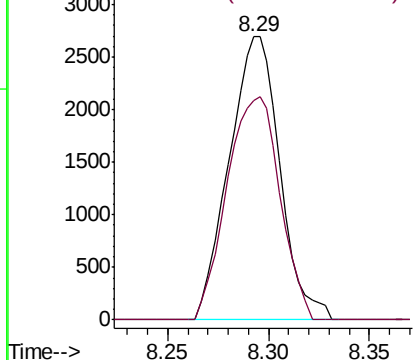


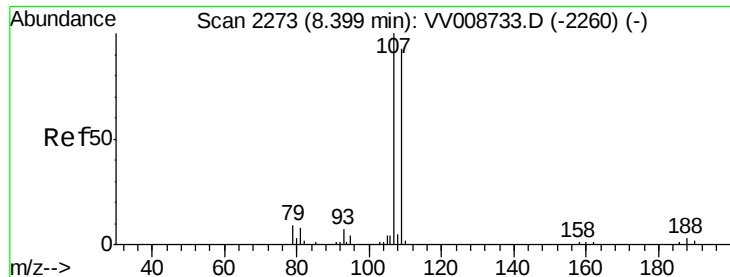
#49
Dibromochloromethane
Concen: 0.412 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion: 129 Resp: 4742
Ion Ratio Lower Upper
129 100
127 77.7 54.8 101.8



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

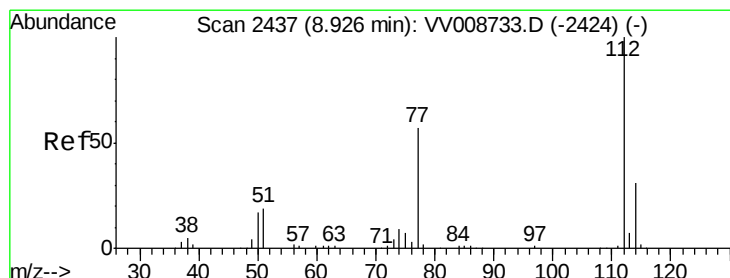
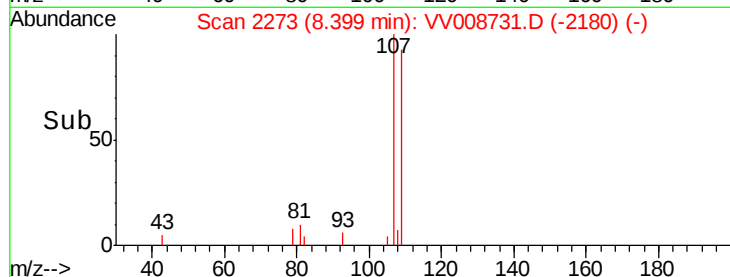
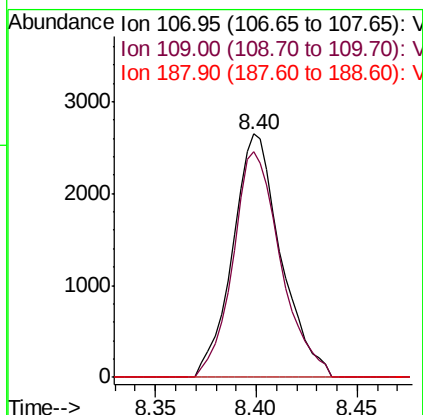
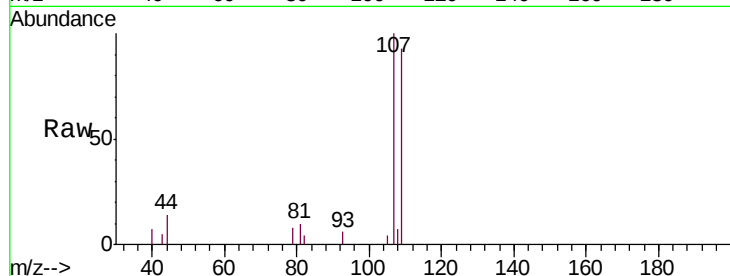




#50
1,2-Dibromoethane
Concen: 0.478 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

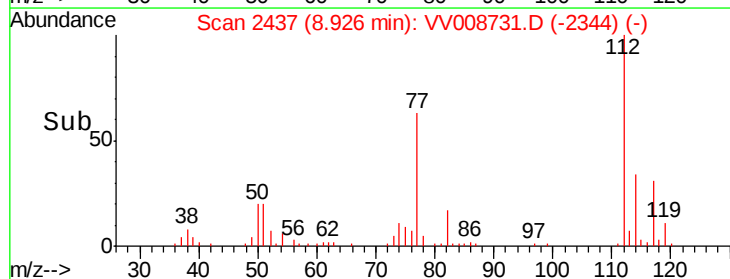
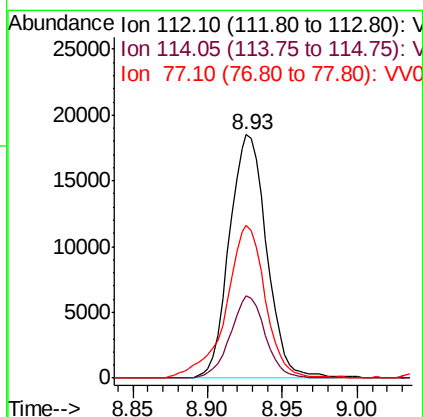
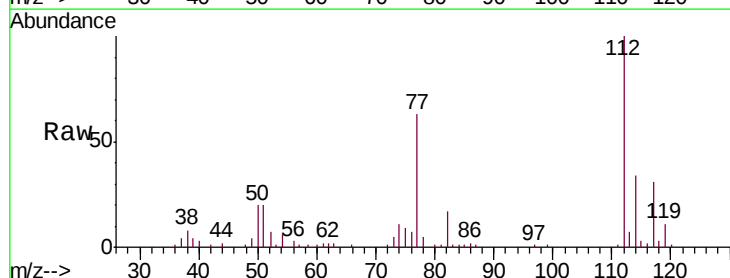
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

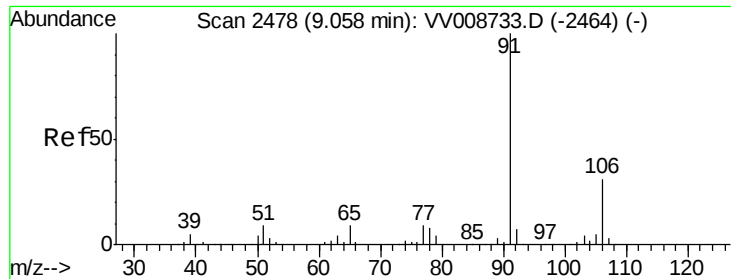
Tgt Ion:107 Resp: 4428
Ion Ratio Lower Upper
107 100
109 92.6 65.2 121.2
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 0.802 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion:112 Resp: 32049
Ion Ratio Lower Upper
112 100
114 33.8 21.4 39.8
77 62.9 45.8 68.8





#52

Ethylbenzene

Concen: 0.485 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

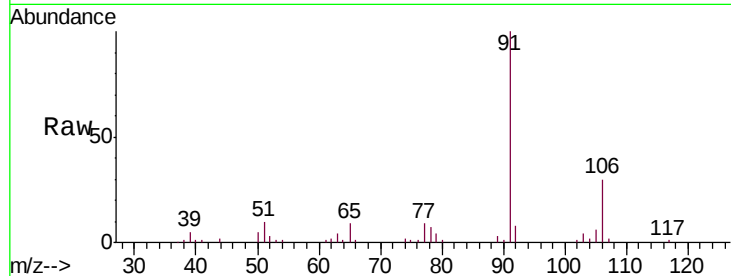
VSTD0.562

Tgt Ion: 91 Resp: 34094

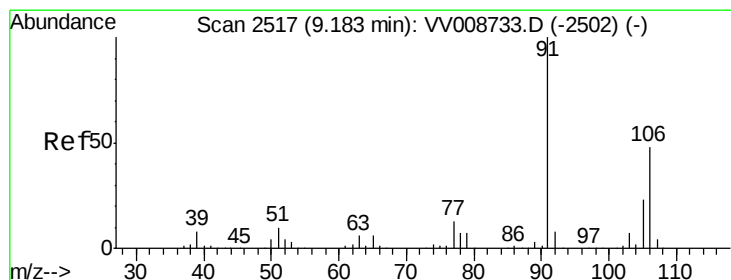
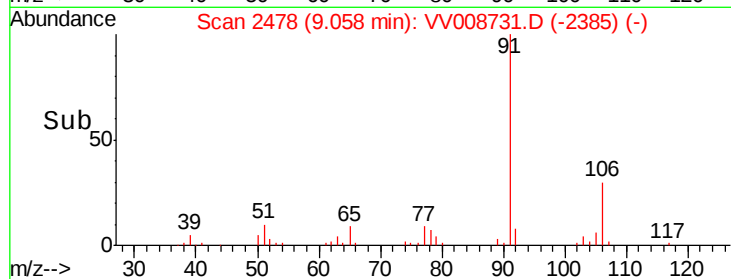
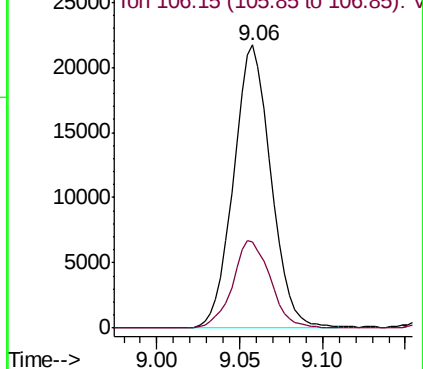
Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV008733.D (-2464) (-)



#53

m,p-xylene

Concen: 0.482 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008731.D

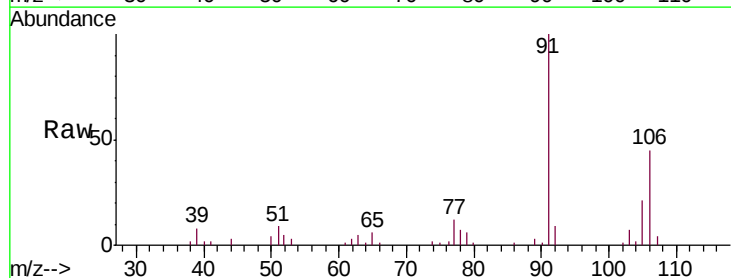
Acq: 28 Nov 2018 12:33

Tgt Ion: 106 Resp: 12598

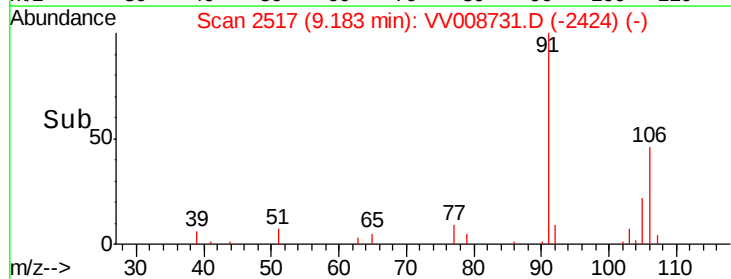
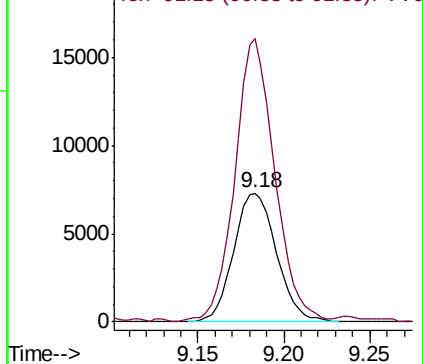
Ion Ratio Lower Upper

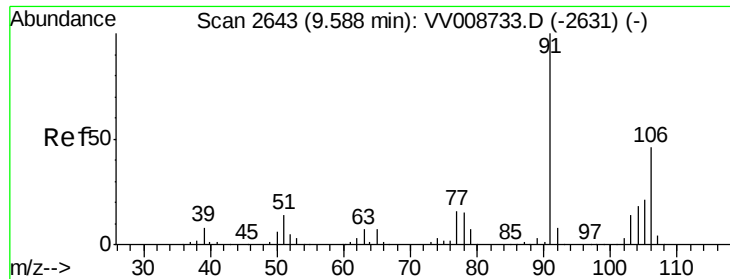
106 100

91 220.1 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): VV008733.D (-2502) (-)

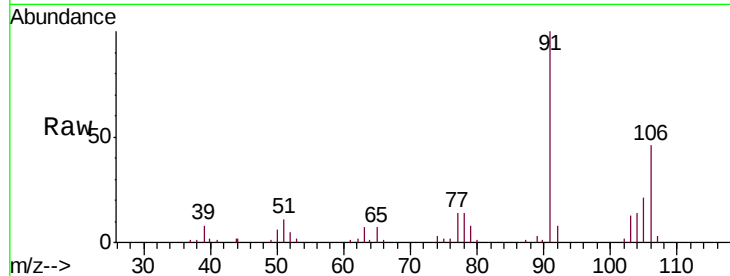




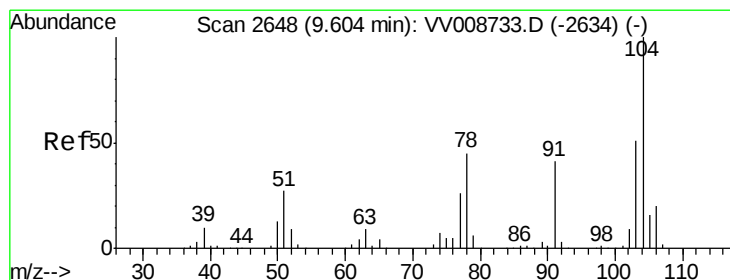
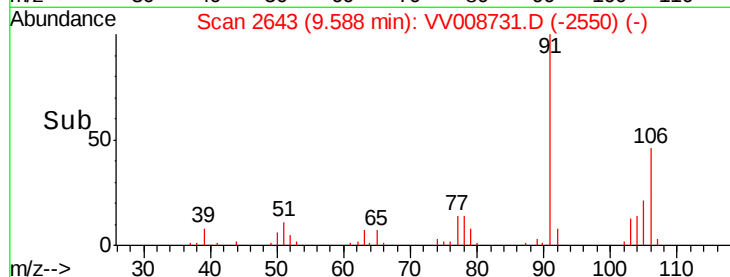
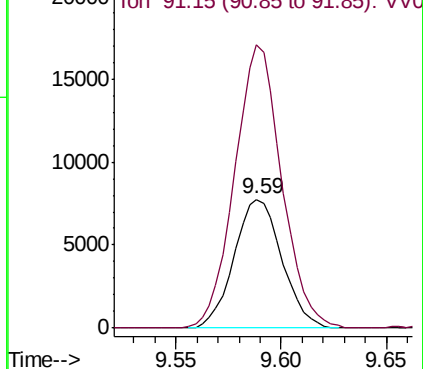
#54
o-xylene
Concen: 0.479 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.562

Tgt Ion:106 Resp: 12150
Ion Ratio Lower Upper
106 100
91 219.8 152.0 282.4

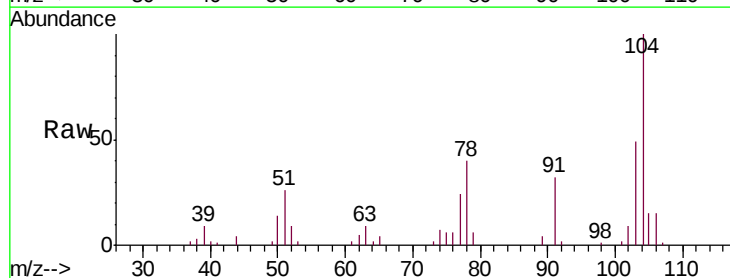


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

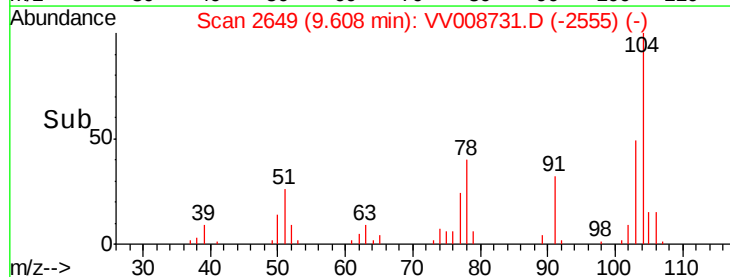
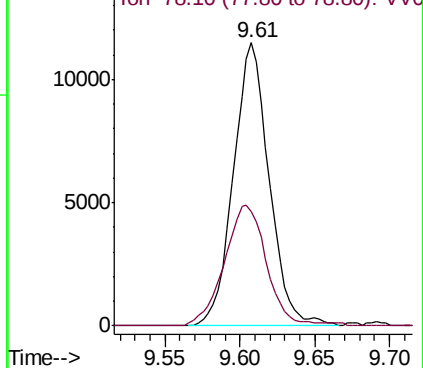


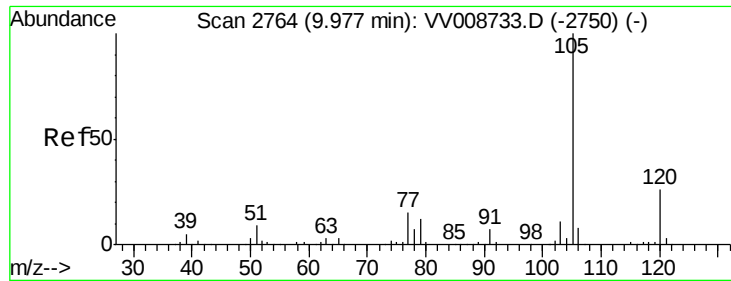
#55
Styrene
Concen: 0.465 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008731.D
Acq: 28 Nov 2018 12:33

Tgt Ion:104 Resp: 19069
Ion Ratio Lower Upper
104 100
78 40.4 31.4 58.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.465 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampled :

VSTD0.562

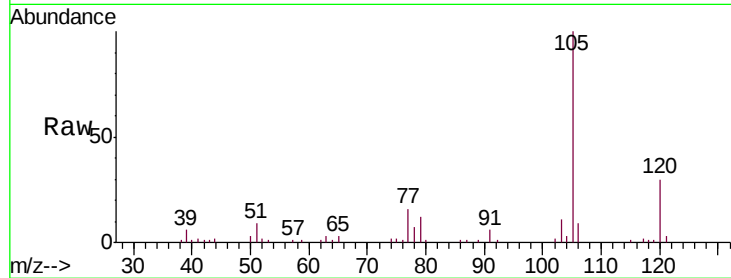
Tgt Ion: 105 Resp: 31630

Ion Ratio Lower Upper

105 100

120 28.4 21.4 32.2

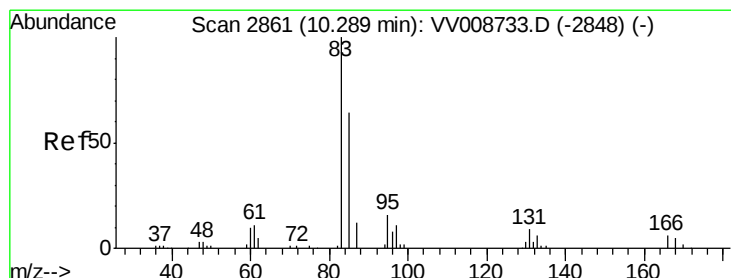
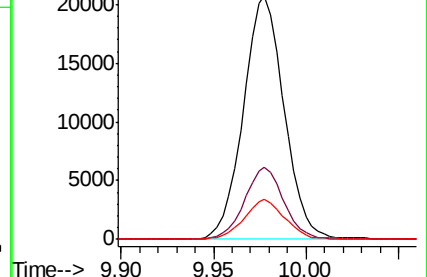
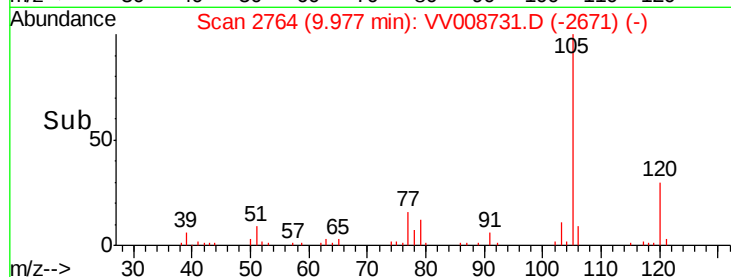
77 16.4 12.4 18.6



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) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.422 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

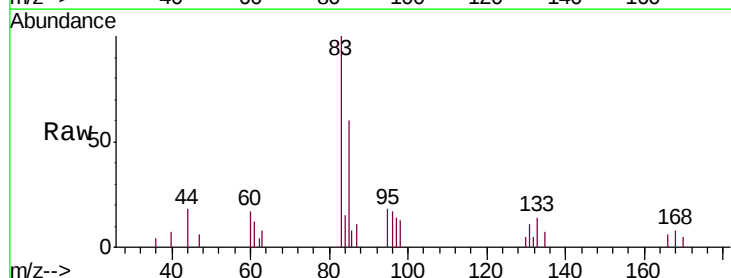
Tgt Ion: 83 Resp: 5043

Ion Ratio Lower Upper

83 100

85 60.3 44.9 83.3

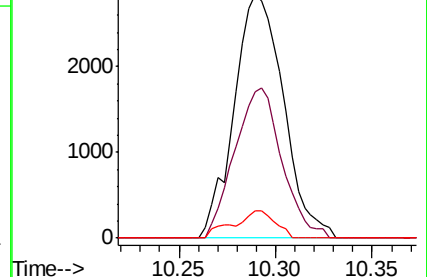
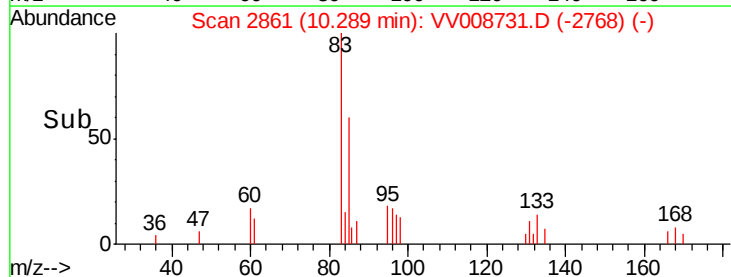
131 11.4 7.8 11.8

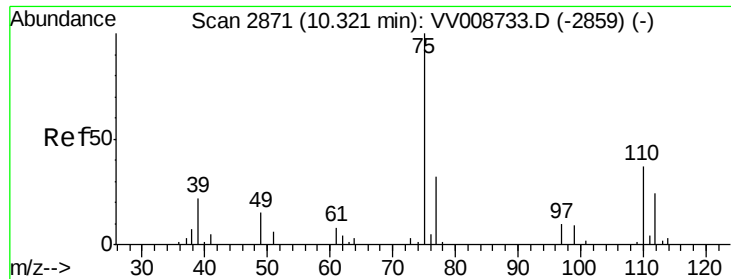


Abundance Ion 82.95 (82.65 to 83.65): VV008733.D (-2848) (-)

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

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

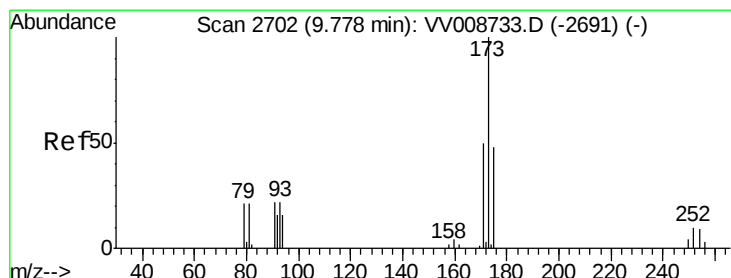
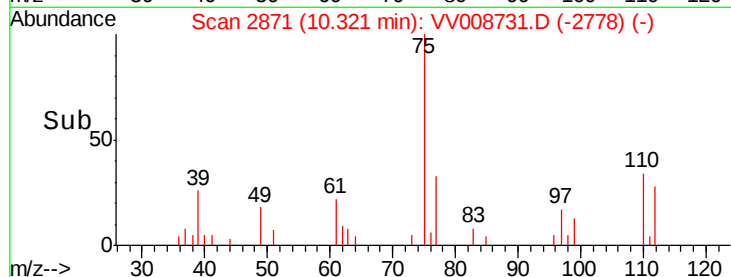
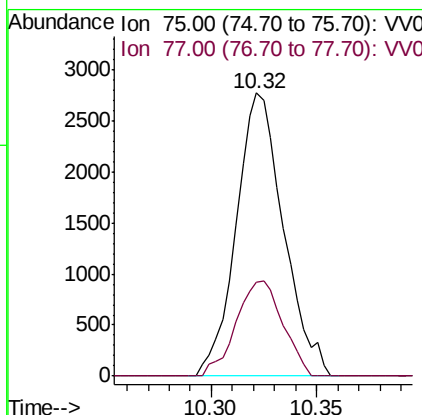
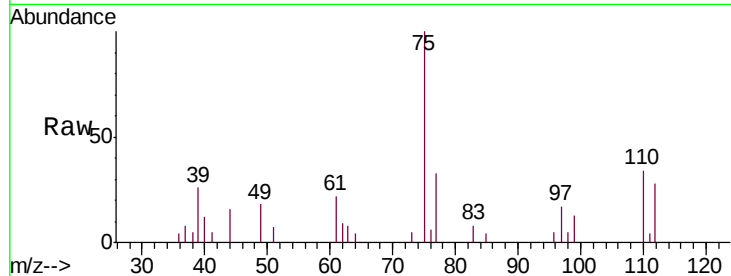




#59
 1,2,3-Trichloropropane
 Concen: 0.475 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

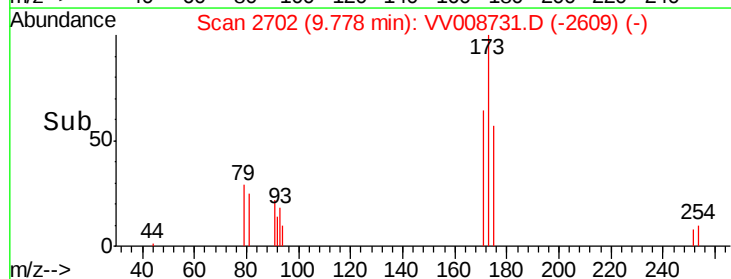
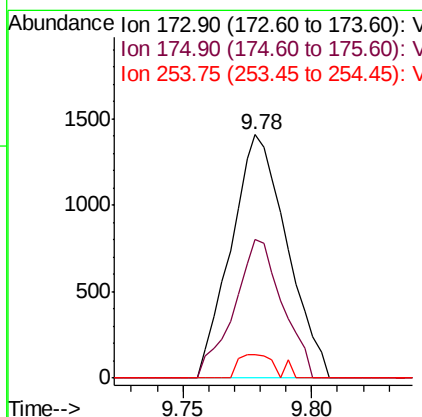
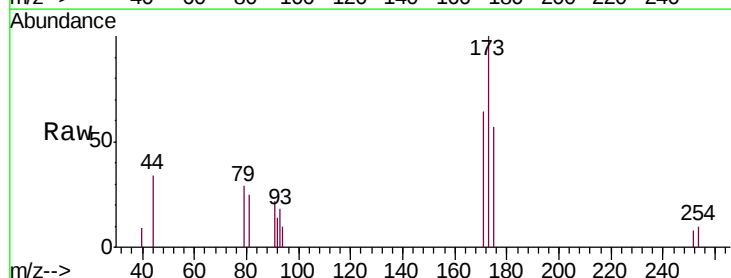
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

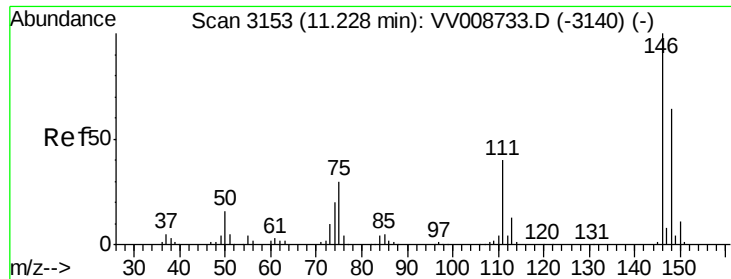
Tgt Ion: 75 Resp: 4317
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.6 39.8



#61
 Bromoform
 Concen: 0.387 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion: 173 Resp: 2120
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.4 57.6
 254 6.6 6.6 10.0#

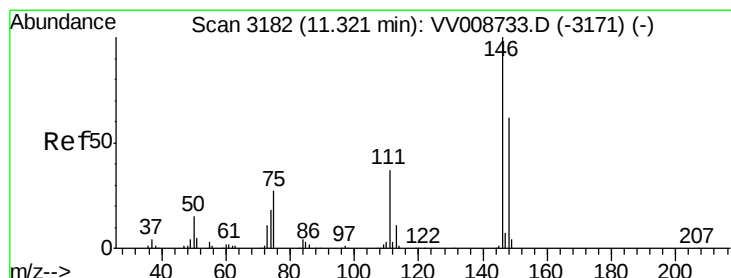
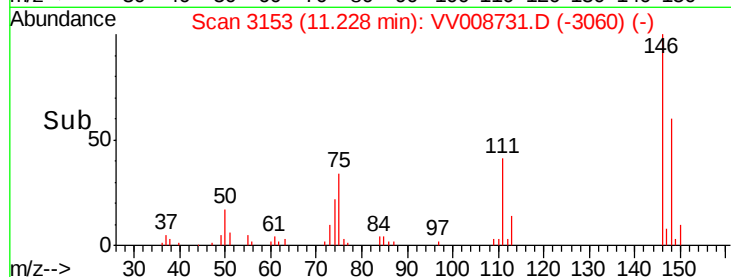
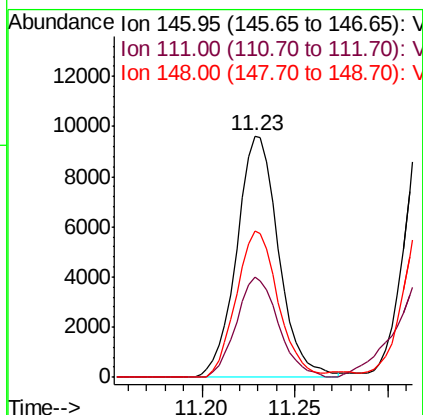
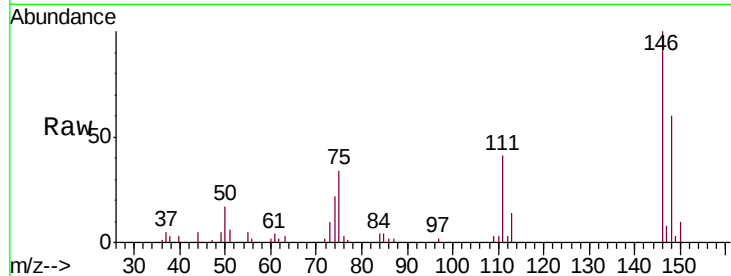




#62
 1,3-Dichlorobenzene
 Concen: 0.538 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

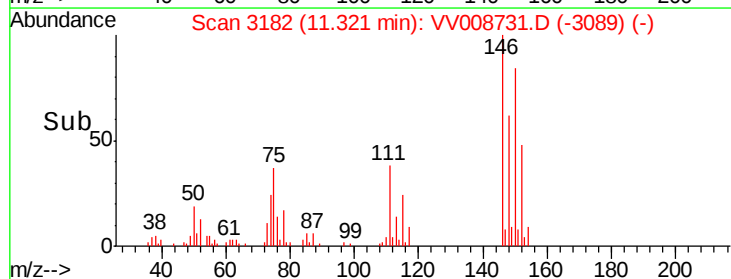
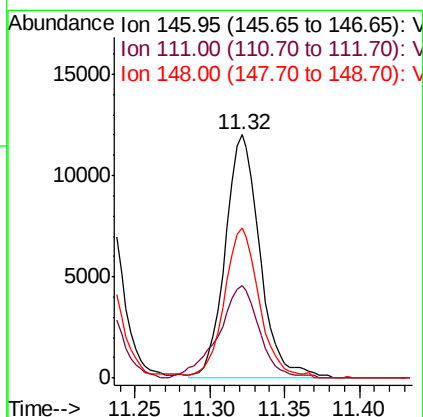
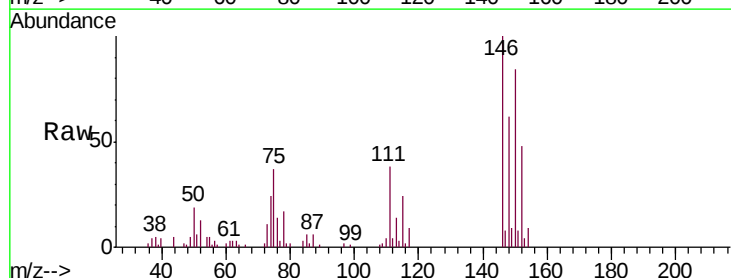
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

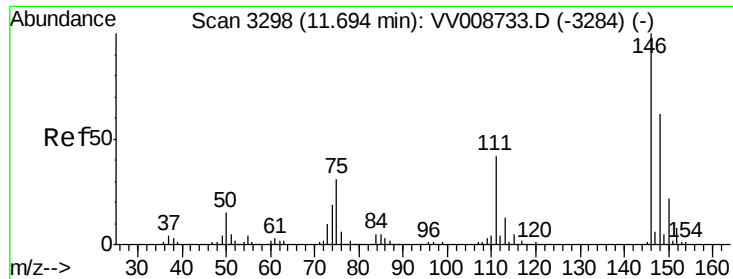
Tgt Ion:146 Resp: 15153
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.7
 148 60.4 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 0.694 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion:146 Resp: 19375
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.2 48.8
 148 61.6 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 0.683 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.562

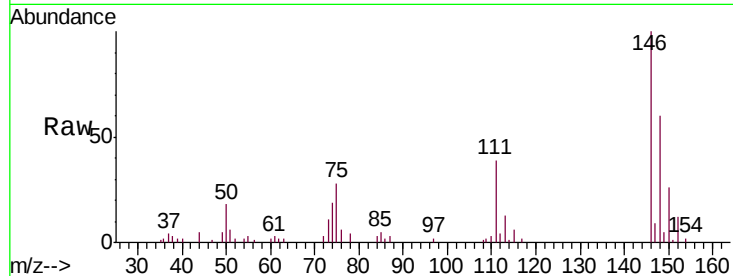
Tgt Ion:146 Resp: 18330

Ion Ratio Lower Upper

146 100

111 39.0 33.6 50.4

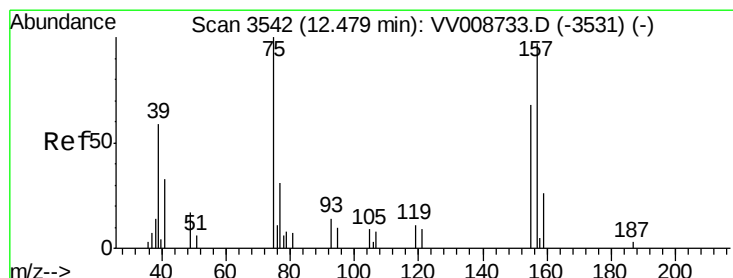
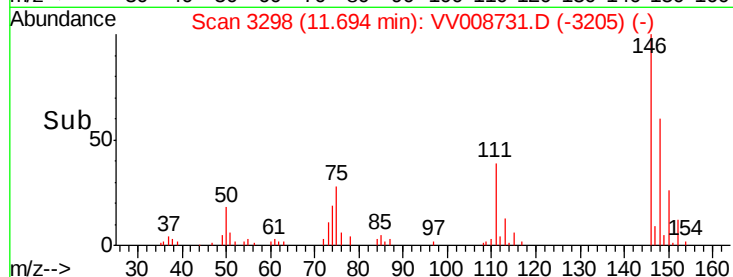
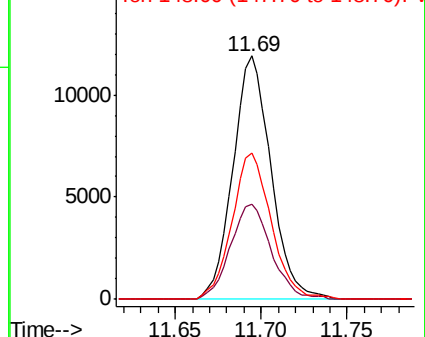
148 60.0 49.8 74.6



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: 0.384 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

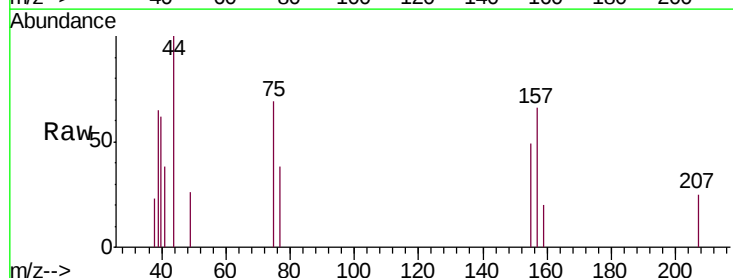
Tgt Ion: 75 Resp: 645

Ion Ratio Lower Upper

75 100

155 70.8 54.1 81.1

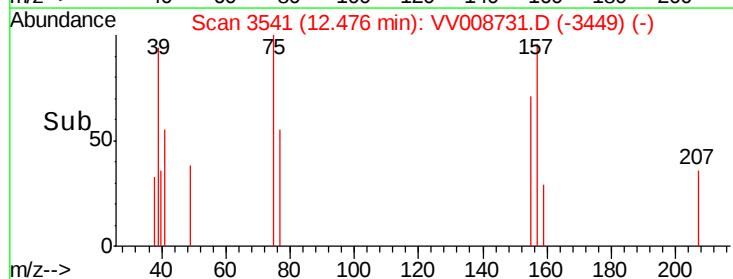
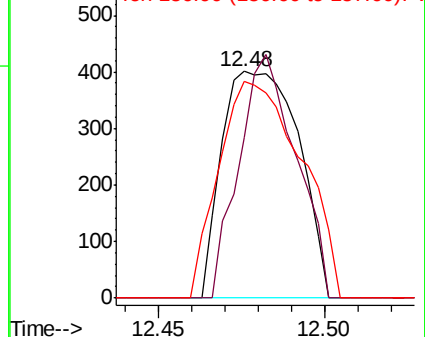
157 95.5 77.4 116.2

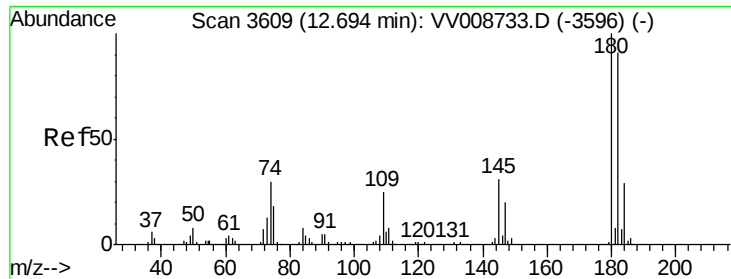


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

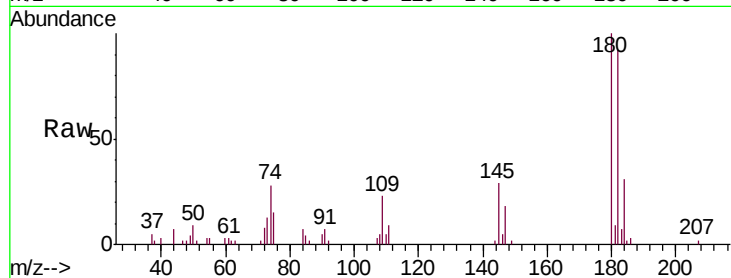




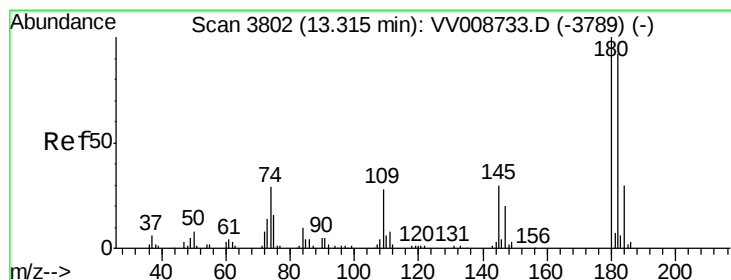
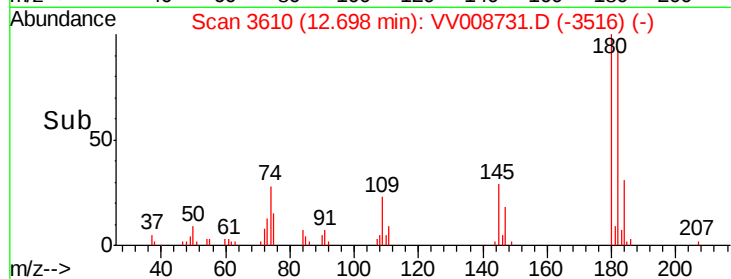
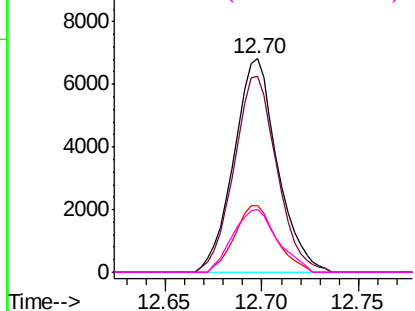
#67
 1,3,5-Trichlorobenzene
 Concen: 0.517 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.562

Tgt Ion:180 Resp: 10639
 Ion Ratio Lower Upper
 180 100
 182 90.7 74.3 111.5
 184 29.5 23.4 35.0
 145 30.2 24.8 37.2

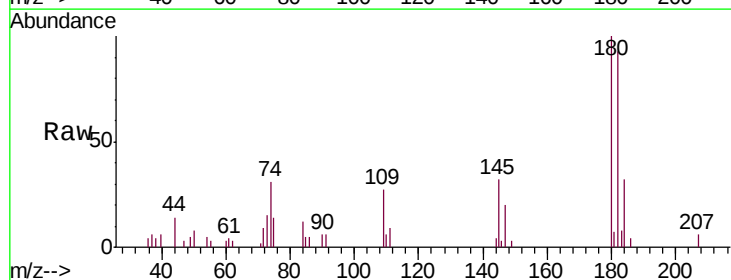


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

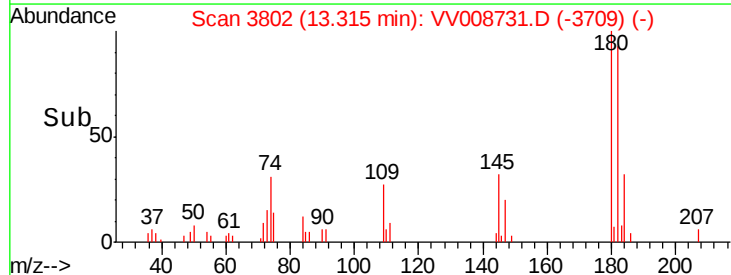
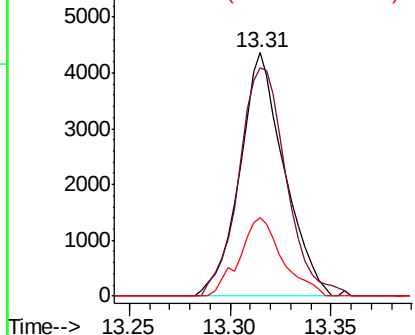


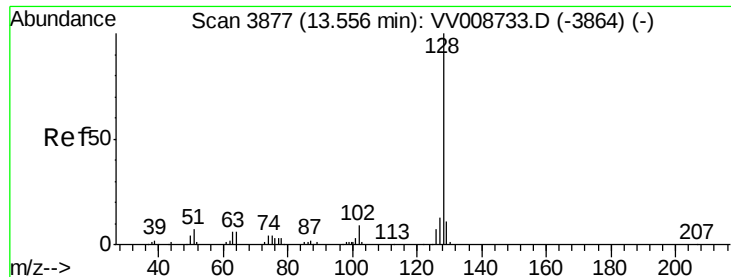
#68
 1,2,4-trichlorobenzene
 Concen: 0.411 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008731.D
 Acq: 28 Nov 2018 12:33

Tgt Ion:180 Resp: 6715
 Ion Ratio Lower Upper
 180 100
 182 100.1 74.4 111.6
 145 31.1 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: 0.340 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.562

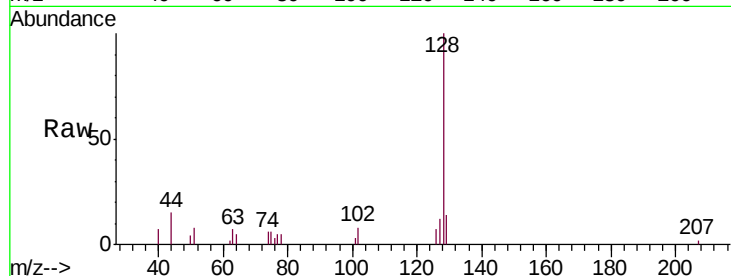
Tgt Ion:128 Resp: 8752

Ion Ratio Lower Upper

128 100

129 13.2 8.6 12.8#

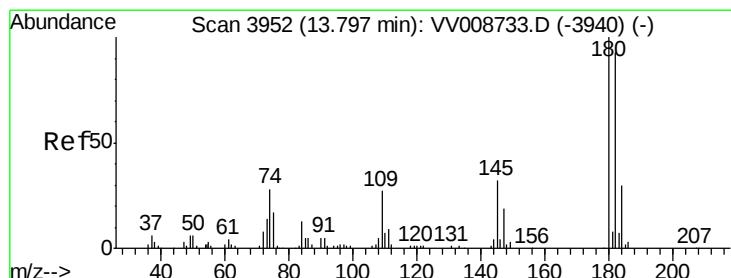
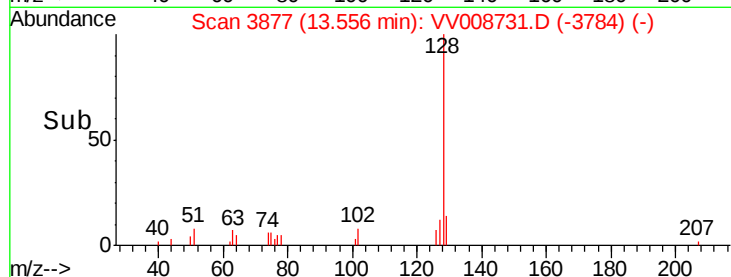
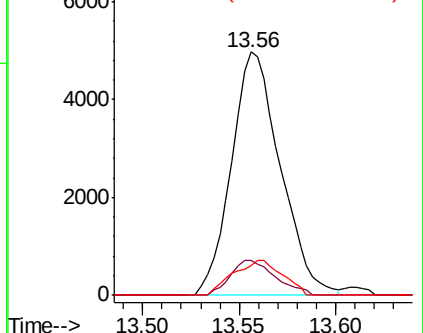
127 14.5 10.3 15.5



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: 0.399 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008731.D

Acq: 28 Nov 2018 12:33

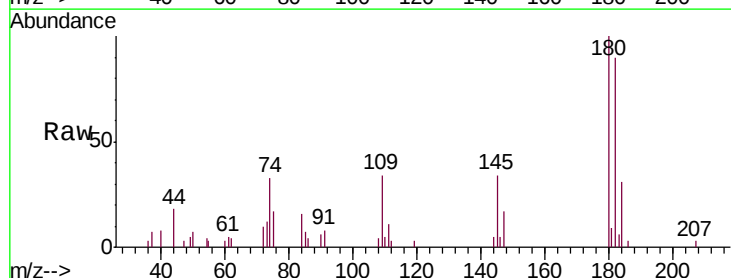
Tgt Ion:180 Resp: 6008

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 34.2 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

