

Data File : VV008735.D
Acq On : 28 Nov 2018 14:14
Operator : SY/MD
Sample : VSTD02066
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Quant Time: Nov 29 02:08:18 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	174597	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	161182	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78086	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	203195	24.48	ug/L	0.00
7) Chloroethane-d5	1.58	69	121660	18.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	381912	23.12	ug/L	0.00
20) 2-Butanone-d5	3.96	46	559050	201.01	ug/L	0.00
24) Chloroform-d	4.41	84	472899	21.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	225106	20.62	ug/L	0.00
32) Benzene-d6	5.10	84	958561	22.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	287906	20.95	ug/L	0.00
41) Toluene-d8	7.36	98	900668	22.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	111650	21.43	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	430998	188.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	201091	21.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	307102	21.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	299218	20.570	ug/L	99
3) Chloromethane	1.25	50	236805	19.510	ug/L	98
5) Vinyl chloride	1.32	62	238270	21.167	ug/L	99
6) Bromomethane	1.54	94	121919	17.393	ug/L	95
8) Chloroethane	1.60	64	101459	15.775	ug/L	96
9) Trichlorofluoromethane	1.77	101	339798	21.646	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	193040	21.218	ug/L	99
12) 1,1-Dichloroethene	2.14	96	173455	20.941	ug/L	95
13) Acetone	2.21	43	251691	176.380	ug/L	97
14) Carbon disulfide	2.32	76	547064	21.216	ug/L	100
15) Methyl Acetate	2.47	43	66280	18.391	ug/L	98
16) Methylene chloride	2.54	84	173038	17.426	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	406869	18.925	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	185249	20.608	ug/L	98
19) 1,1-Dichloroethane	3.23	63	422985	19.164	ug/L	98
21) 2-Butanone	4.04	43	548804	172.845	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	255612	19.370	ug/L	99
23) Bromochloromethane	4.30	128	105856	20.753	ug/L	98
25) Chloroform	4.43	83	427985	15.468	ug/L	97
27) 1,2-Dichloroethane	5.19	62	258352	18.701	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	384886	19.046	ug/L	99
30) Cyclohexane	4.73	56	411380	18.462	ug/L	99
31) Carbon tetrachloride	4.88	117	337488	19.702	ug/L	100
33) Benzene	5.15	78	959620	18.955	ug/L	100
34) Trichloroethene	5.96	95	259655	19.171	ug/L	99
35) Methylcyclohexane	6.18	83	444625	19.616	ug/L	98
37) 1,2-Dichloropropane	6.23	63	238063	17.971	ug/L	99
38) Bromodichloromethane	6.56	83	290068	18.028	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	352731	19.704	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	1291288	169.233	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1026715	19.431	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	282074	19.697	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	160654	18.948	ug/L	95
47) Tetrachloroethene	8.02	164	202192	20.422	ug/L	99
48) 2-Hexanone	8.19	43	911994	177.252	ug/L	99
49) Dibromochloromethane	8.29	129	192269	20.225	ug/L	100
50) 1,2-Dibromoethane	8.40	107	152170	19.913	ug/L	99
51) Chlorobenzene	8.93	112	646695	19.601	ug/L	97
52) Ethylbenzene	9.06	91	1134212	19.543	ug/L	99
53) m,p-xylene	9.18	106	428938	19.887	ug/L	98
54) o-xylene	9.59	106	411831	19.672	ug/L	100
55) Styrene	9.60	104	699648	20.673	ug/L	98
56) Isopropylbenzene	9.98	105	1116542	19.900	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	181093	18.378	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	137138	18.289	ug/L	96
61) Bromoform	9.78	173	95986	19.538	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	503136	19.941	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	505769	20.207	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	463293	19.253	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	28236	18.768	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.70	180	378876	20.544	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	307849	21.005	ug/L	97
69) Naphthalene	13.56	128	495542	21.483	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	275319	20.382	ug/L	99

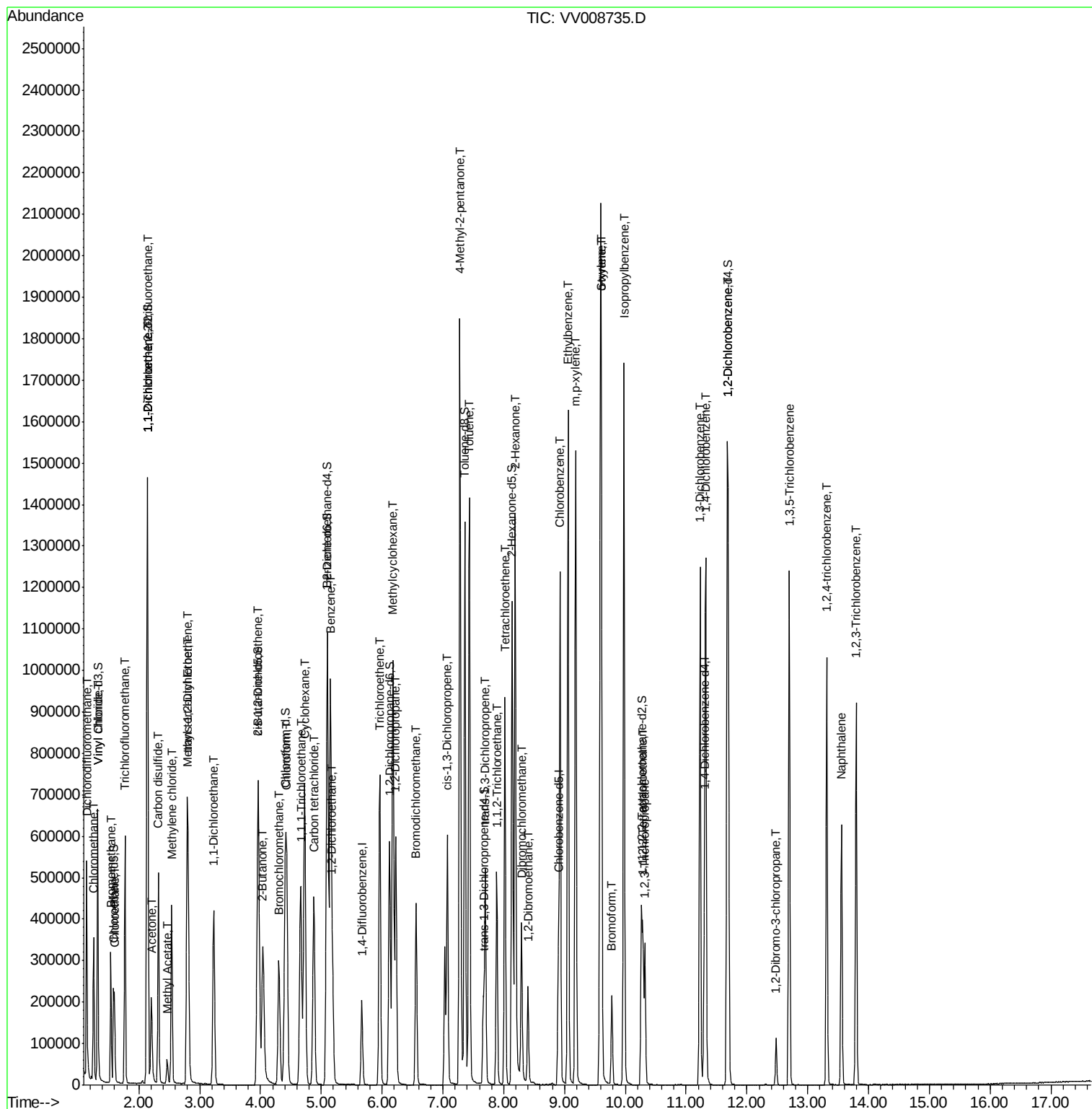
(#) = qualifier out of range (m) = manual integration (+) = signals summed

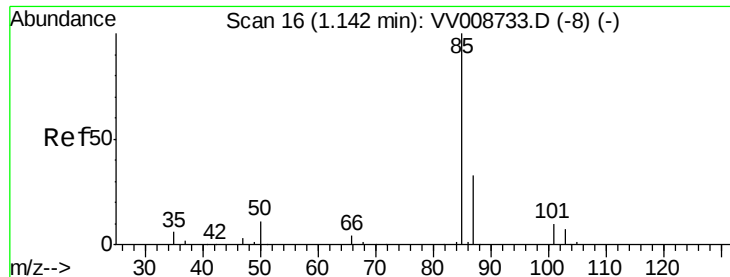
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#2

Dichlorodifluoromethane

Concen: 20.570 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

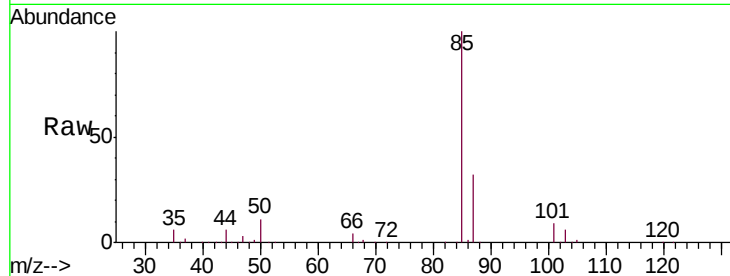
VSTD02066

Tgt Ion: 85 Resp: 299218

Ion Ratio Lower Upper

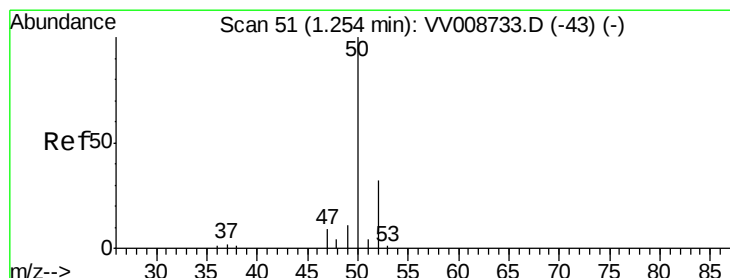
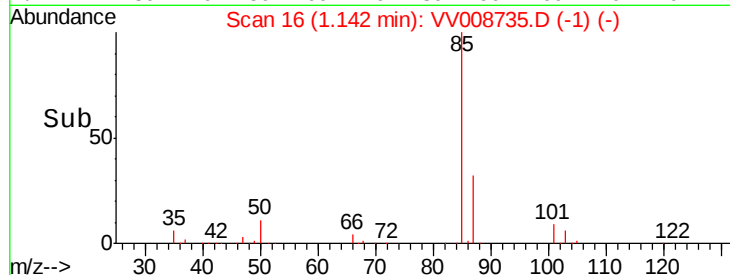
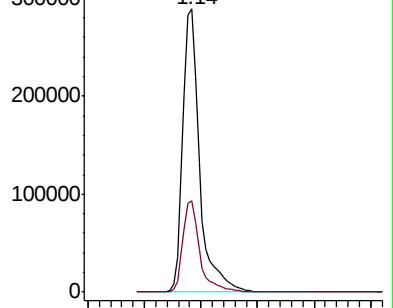
85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV008735.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008735.D (-8) (-)



#3

Chloromethane

Concen: 19.510 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008735.D

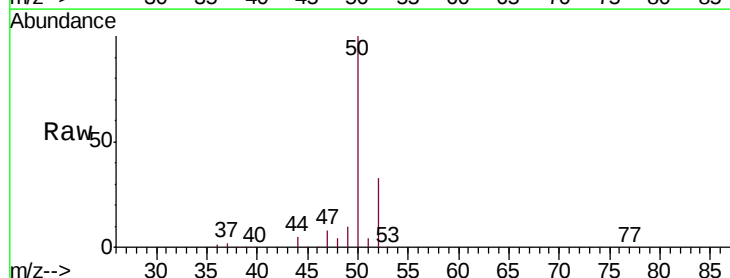
Acq: 28 Nov 2018 14:14

Tgt Ion: 50 Resp: 236805

Ion Ratio Lower Upper

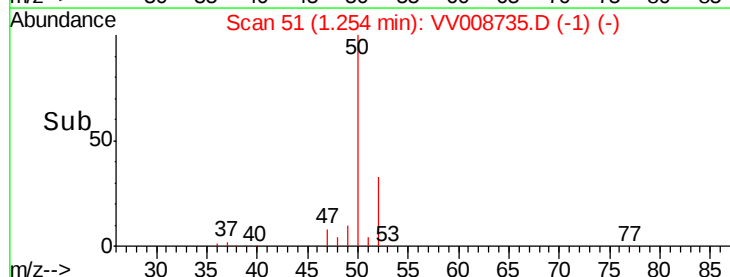
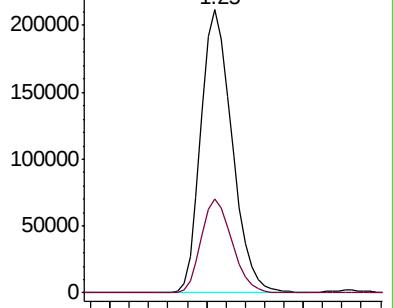
50 100

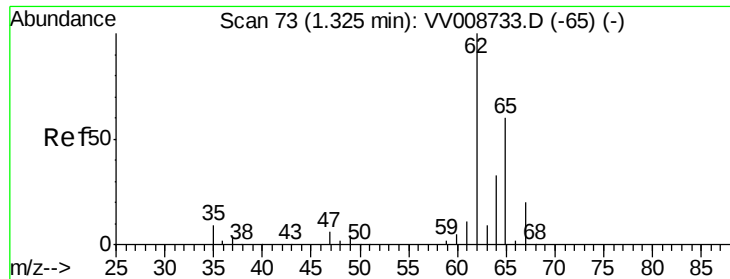
52 33.0 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV008735.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008735.D (-43) (-)





#5

Vinyl chloride

Concen: 21.167 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

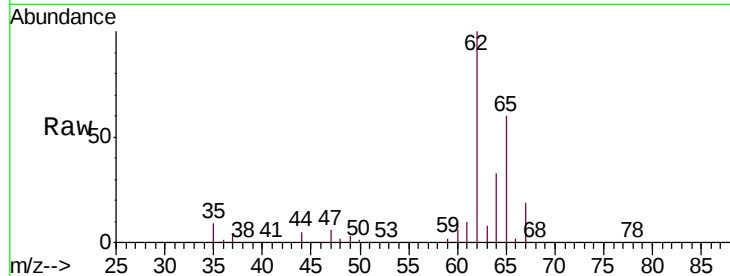
VSTD02066

Tgt Ion: 62 Resp: 238270

Ion Ratio Lower Upper

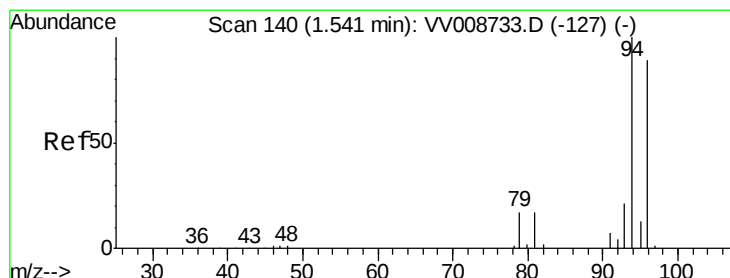
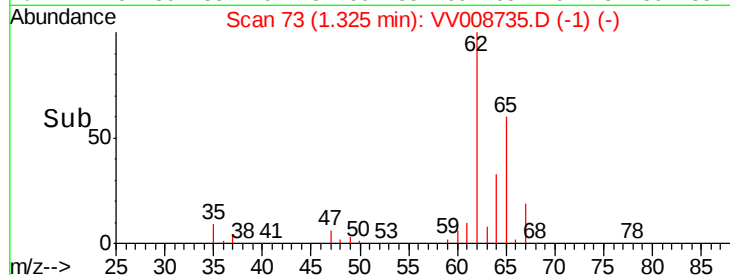
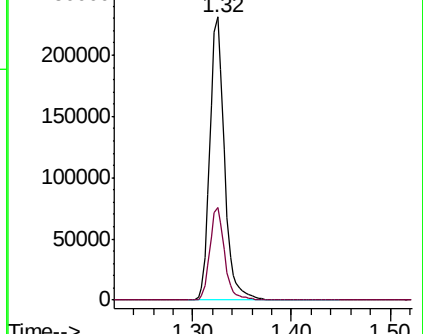
62 100

64 32.9 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: 17.393 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008735.D

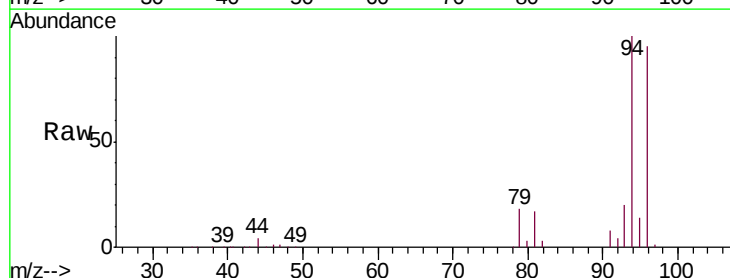
Acq: 28 Nov 2018 14:14

Tgt Ion: 94 Resp: 121919

Ion Ratio Lower Upper

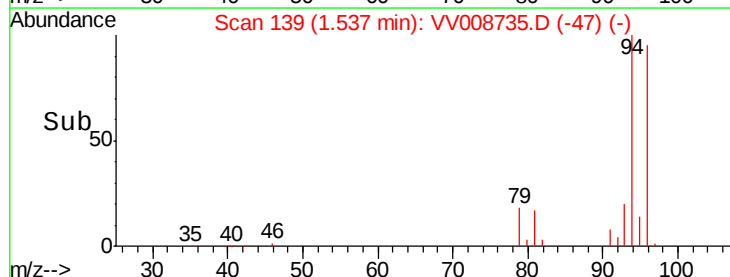
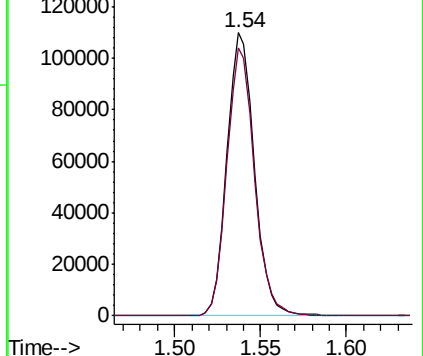
94 100

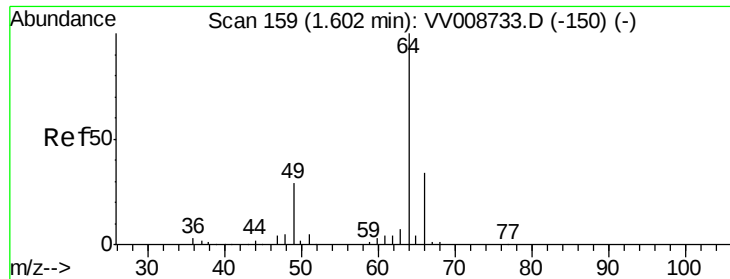
96 94.5 62.6 116.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 15.775 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

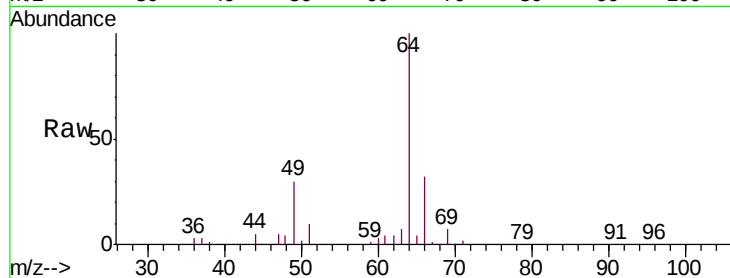
VSTD02066

Tgt Ion: 64 Resp: 101459

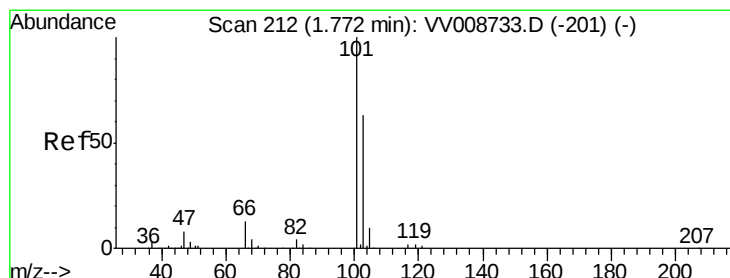
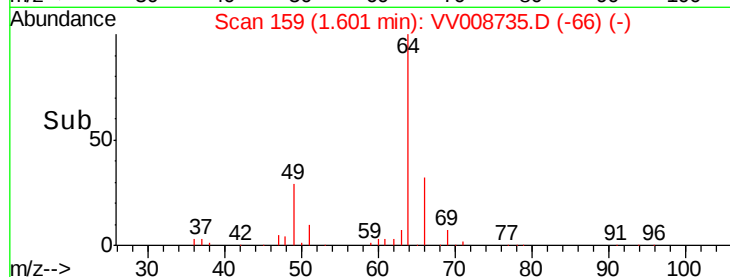
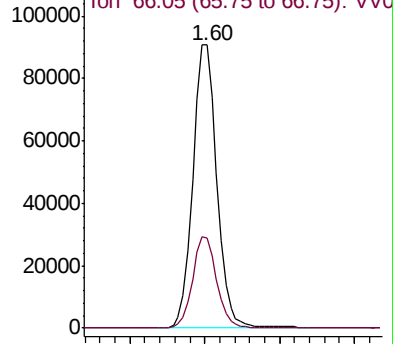
Ion Ratio Lower Upper

64 100

66 32.0 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV008735.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 21.646 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008735.D

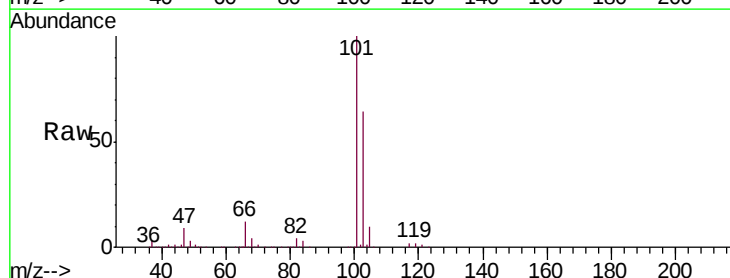
Acq: 28 Nov 2018 14:14

Tgt Ion: 101 Resp: 339798

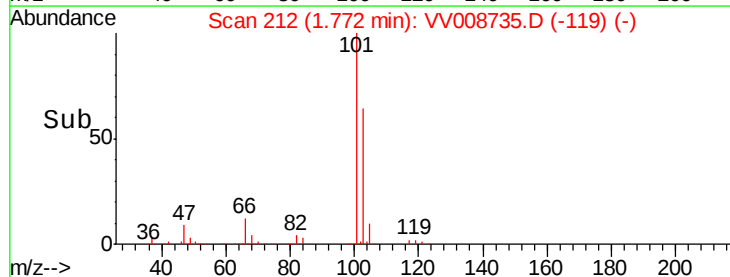
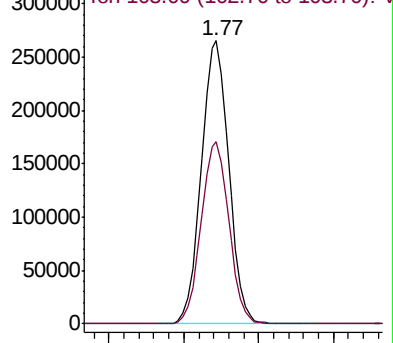
Ion Ratio Lower Upper

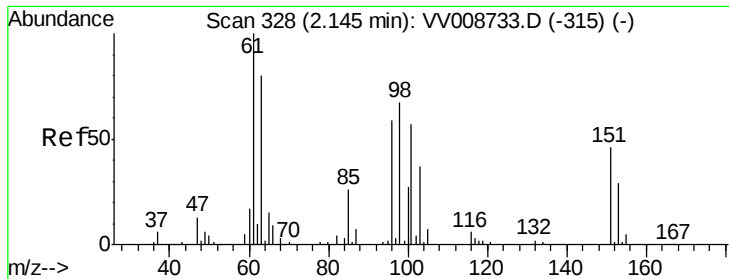
101 100

103 64.8 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV008735.D (-201) (-)





#10

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

Concen: 21.218 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

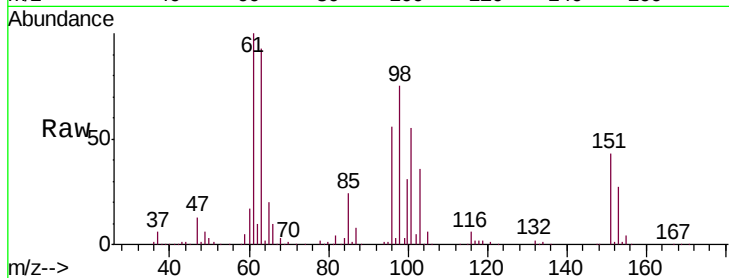
Tgt Ion:101 Resp: 193040

Ion Ratio Lower Upper

101 100

85 42.7 34.8 52.2

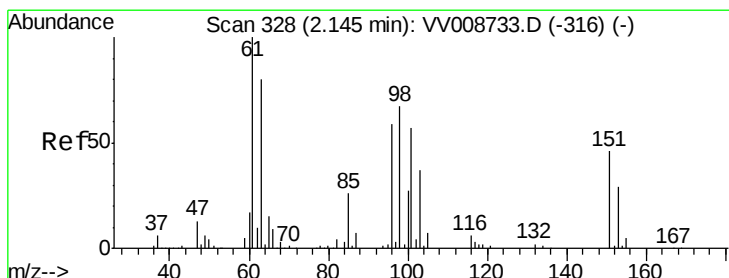
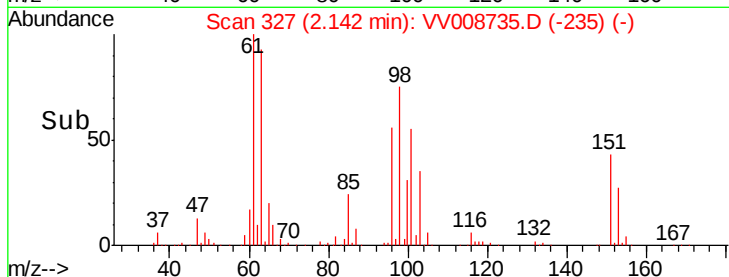
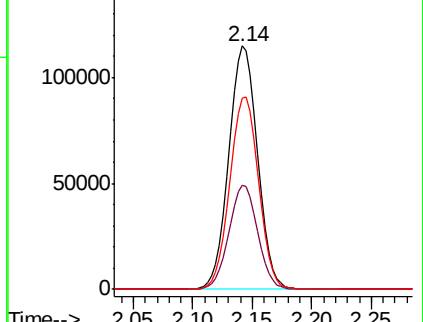
151 79.3 62.6 94.0



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: 20.941 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

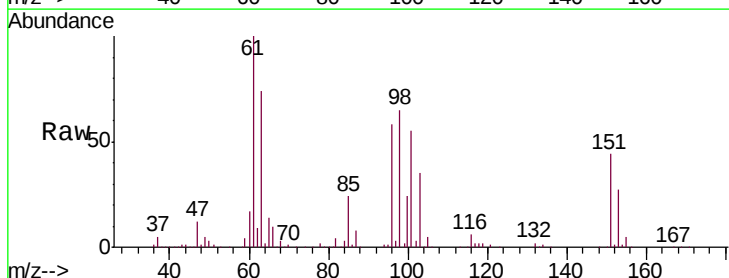
Tgt Ion: 96 Resp: 173455

Ion Ratio Lower Upper

96 100

61 172.4 118.0 219.2

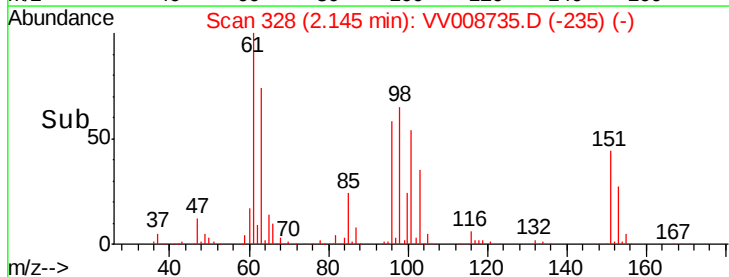
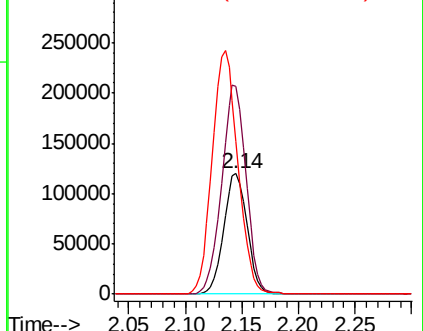
63 127.0 95.3 177.1

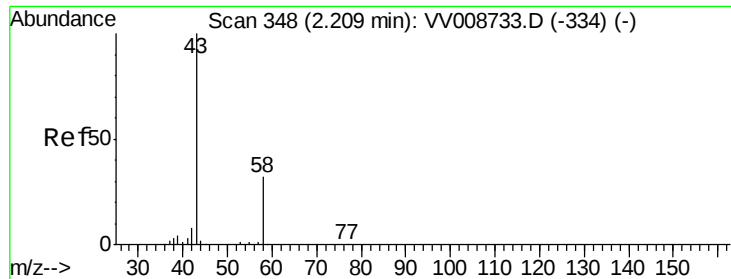


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 176.380 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampled :

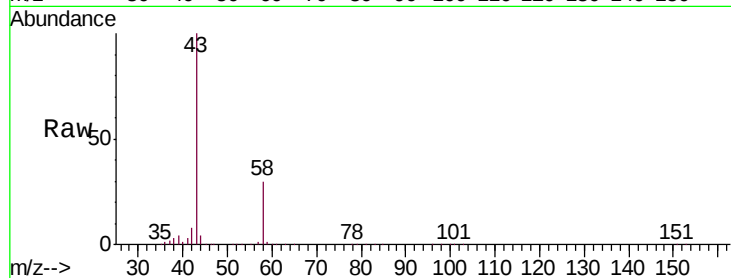
VSTD02066

Tgt Ion: 43 Resp: 251691

Ion Ratio Lower Upper

43 100

58 30.3 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) (-)

2.21

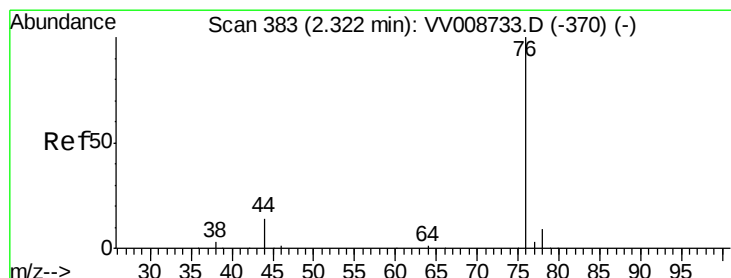
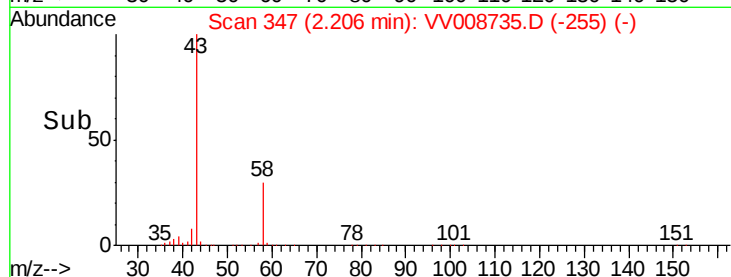
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 21.216 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008735.D

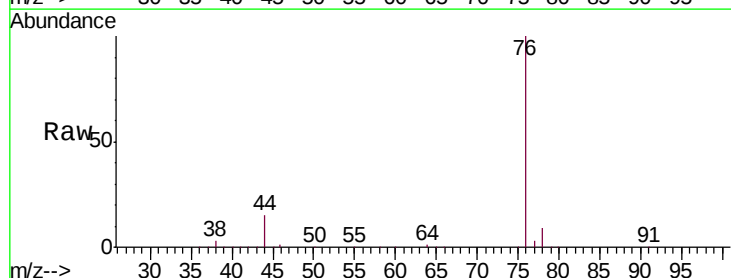
Acq: 28 Nov 2018 14:14

Tgt Ion: 76 Resp: 547064

Ion Ratio Lower Upper

76 100

78 9.2 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) (-)

2.32

400000

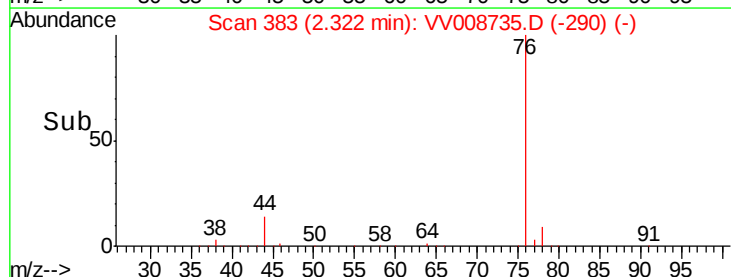
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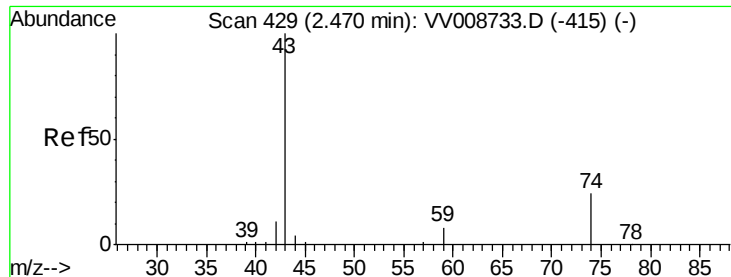
200000

100000

0

Time--> 2.20 2.30 2.40

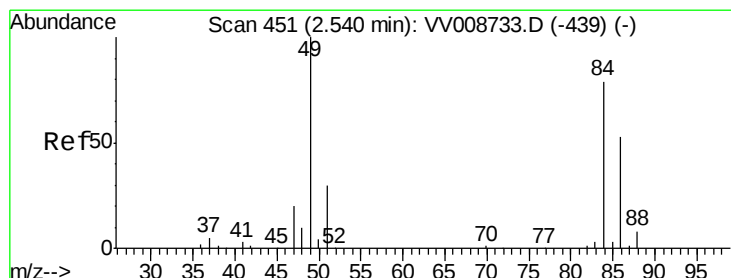
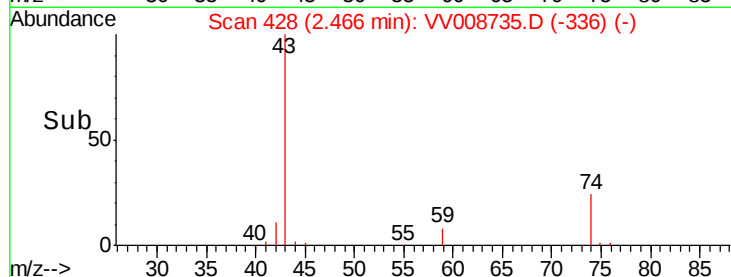
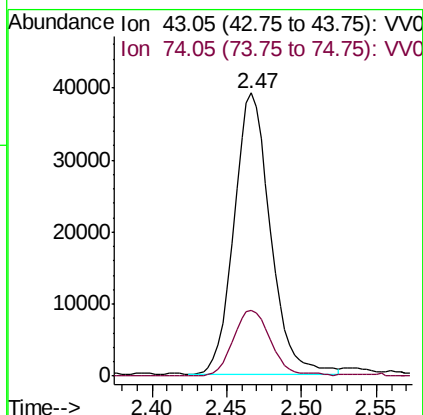
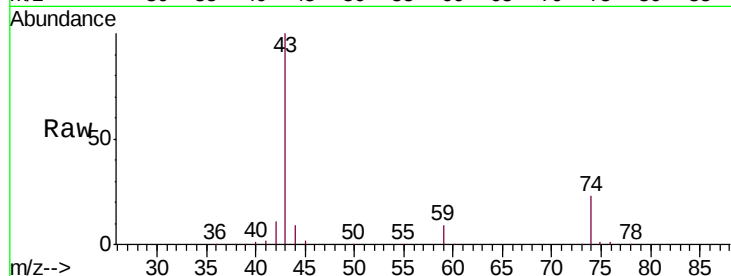




#15
Methyl Acetate
Concen: 18.391 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

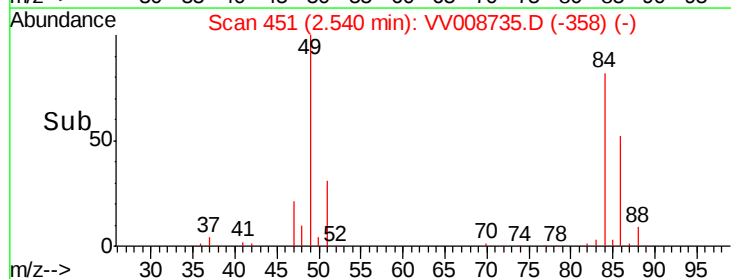
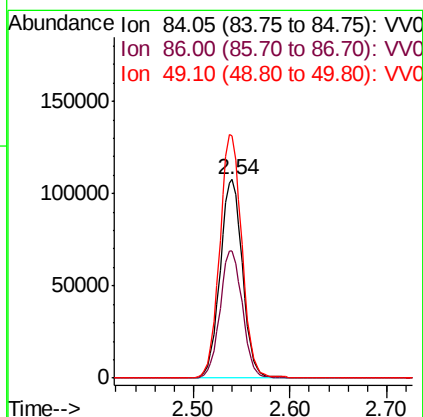
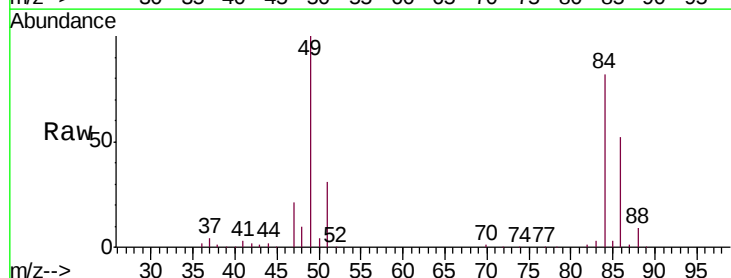
Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

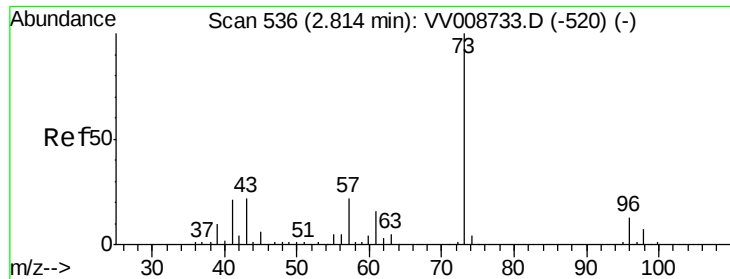
Tgt Ion: 43 Resp: 66280
Ion Ratio Lower Upper
43 100
74 24.4 18.6 27.8



#16
Methylene chloride
Concen: 17.426 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion: 84 Resp: 173038
Ion Ratio Lower Upper
84 100
86 63.9 47.3 87.9
49 122.1 88.8 165.0

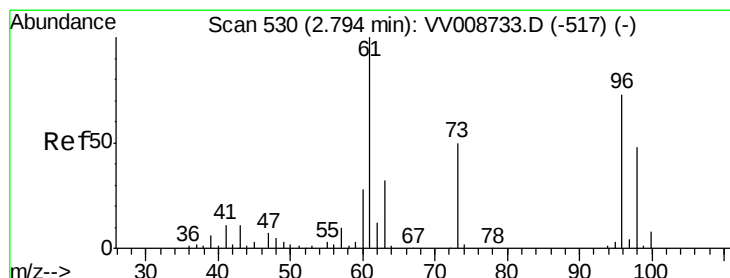
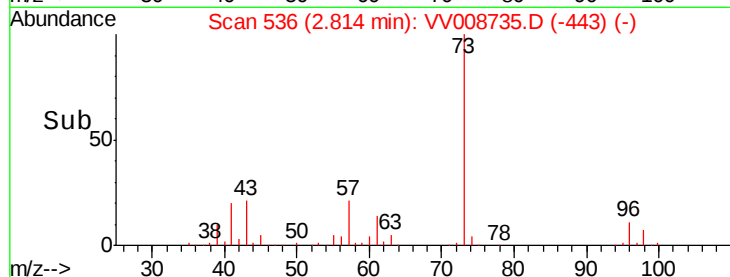
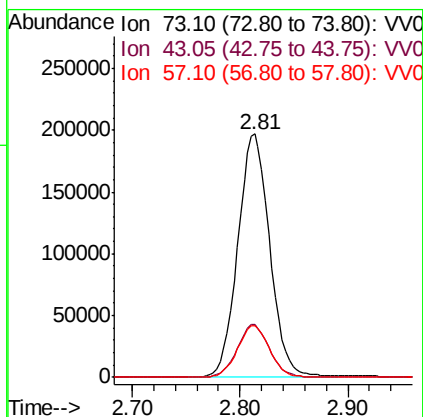
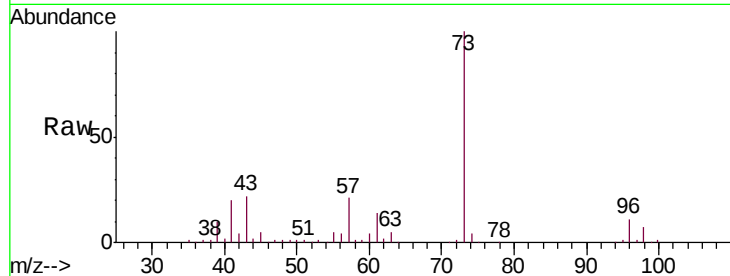




#17
Methyl tert-butyl Ether
Concen: 18.925 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

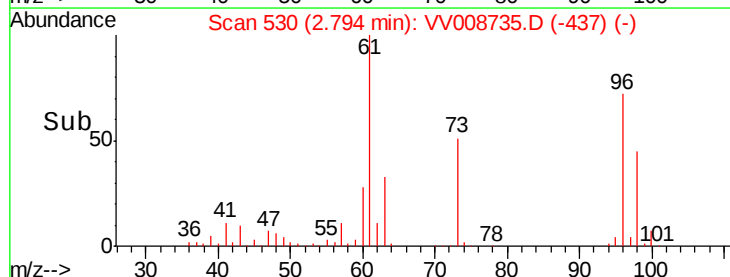
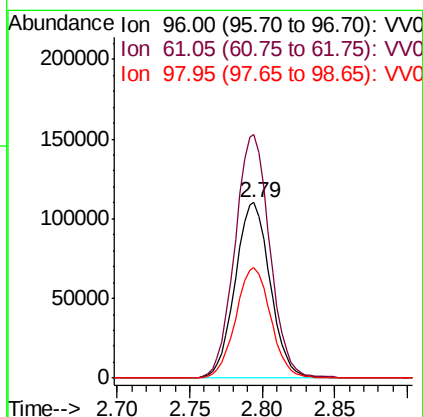
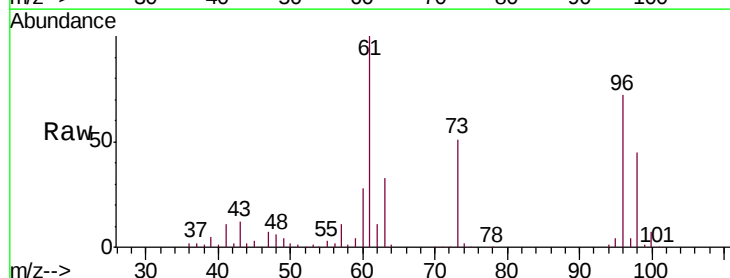
Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

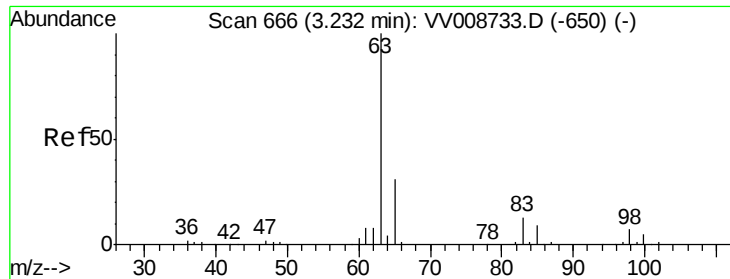
Tgt Ion: 73 Resp: 406869
Ion Ratio Lower Upper
73 100
43 21.7 17.9 26.9
57 21.3 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 20.608 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion: 96 Resp: 185249
Ion Ratio Lower Upper
96 100
61 139.0 96.5 179.1
98 63.1 46.3 86.1

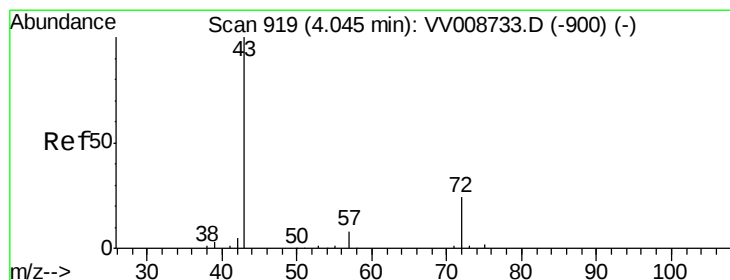
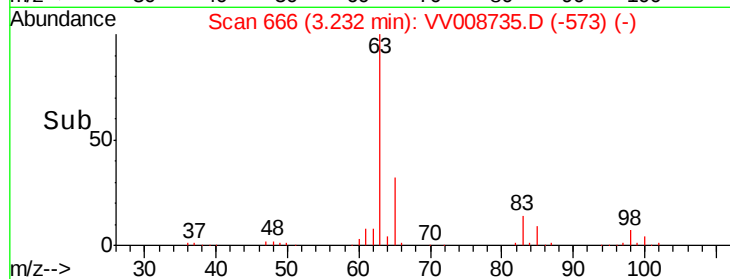
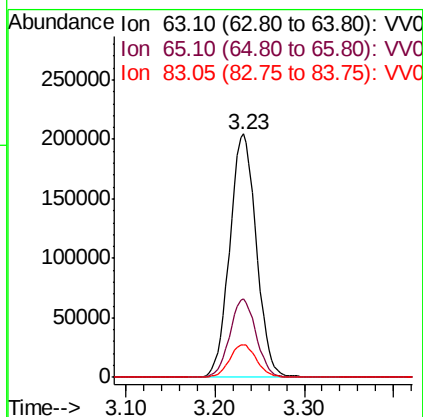
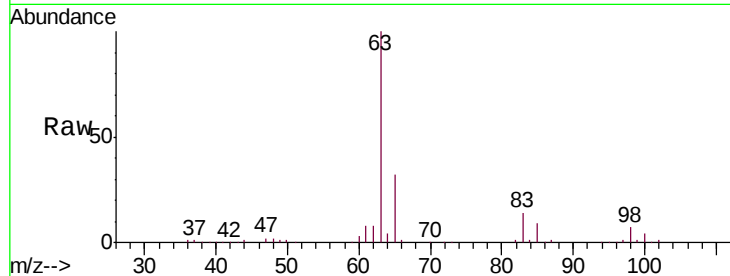




#19
 1,1-Dichloroethane
 Concen: 19.164 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

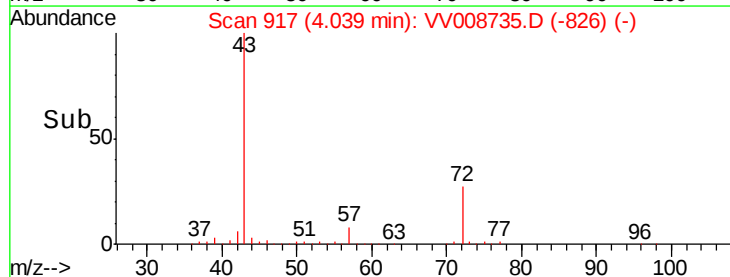
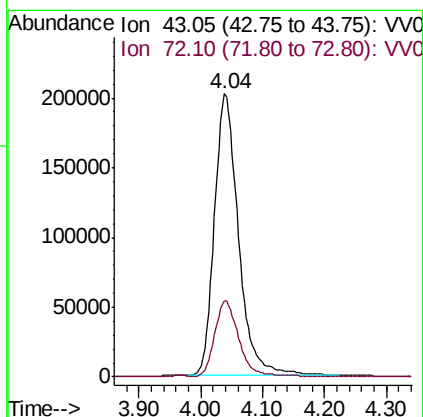
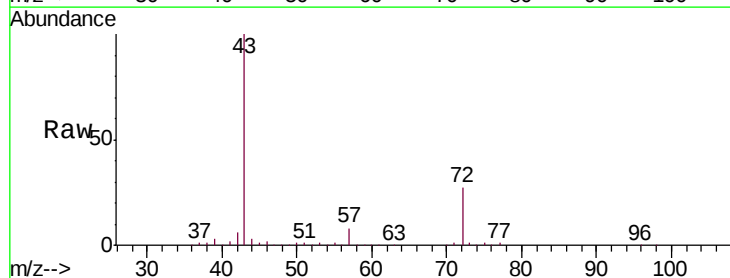
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

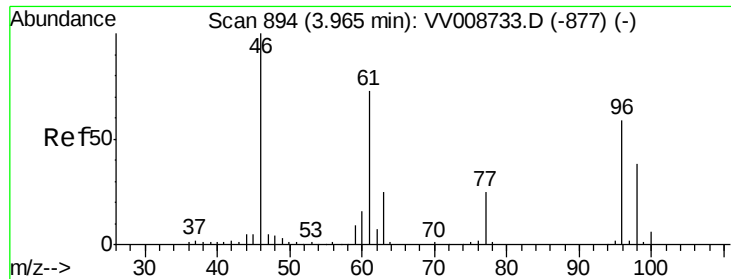
Tgt Ion: 63 Resp: 422985
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.6 40.2
 83 13.6 9.2 17.2



#21
 2-Butanone
 Concen: 172.845 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Tgt Ion: 43 Resp: 548804
 Ion Ratio Lower Upper
 43 100
 72 26.3 12.4 37.2



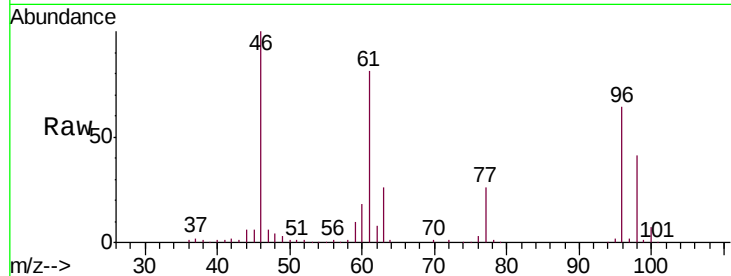


#22

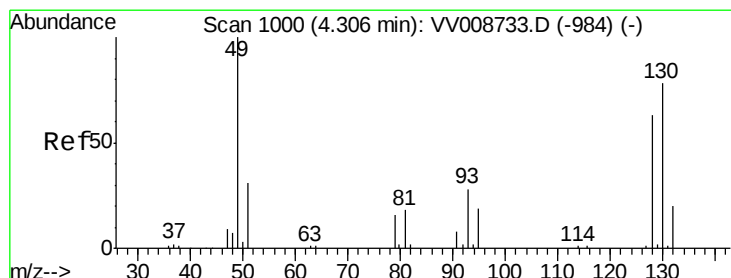
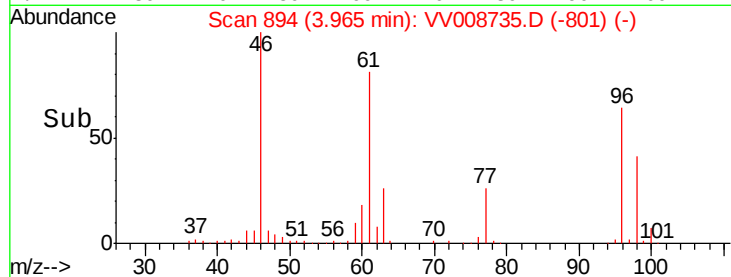
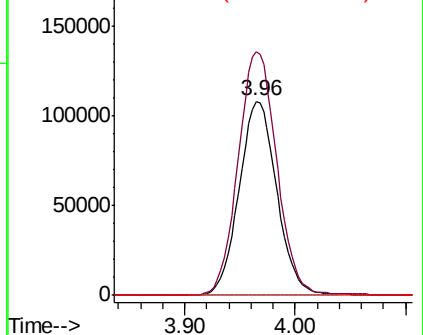
cis-1,2-Dichloroethene
Concen: 19.370 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion: 96 Resp: 255612
Ion Ratio Lower Upper
96 100
61 125.6 86.9 161.3
68 0.0 0.0 0.0



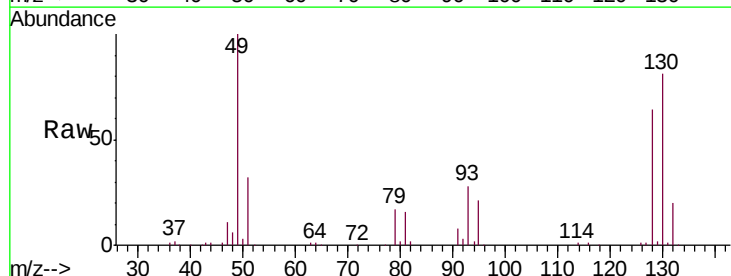
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



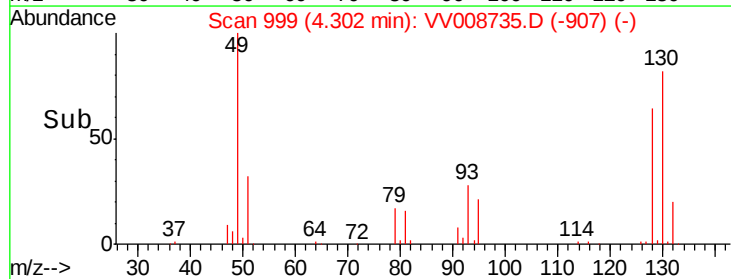
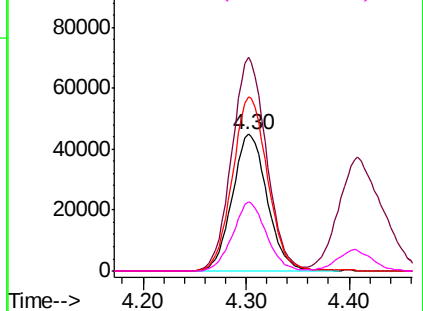
#23

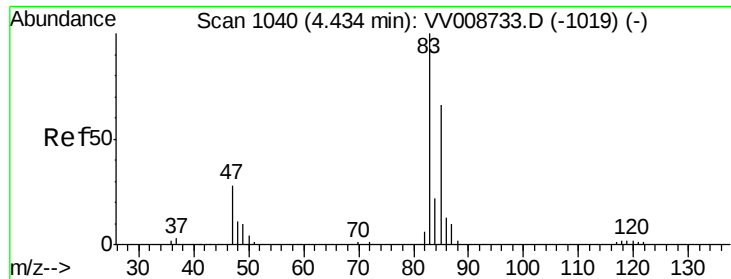
Bromochloromethane
Concen: 20.753 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion: 128 Resp: 105856
Ion Ratio Lower Upper
128 100
49 156.0 111.4 206.8
130 126.8 86.8 161.2
51 50.3 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

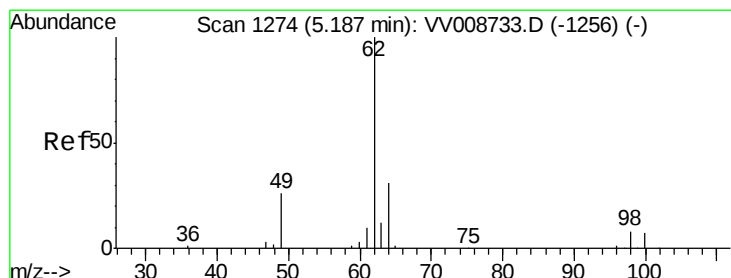
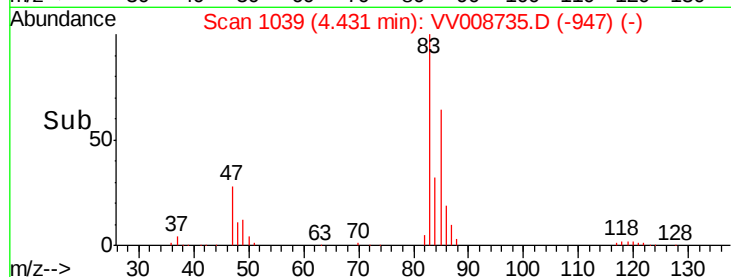
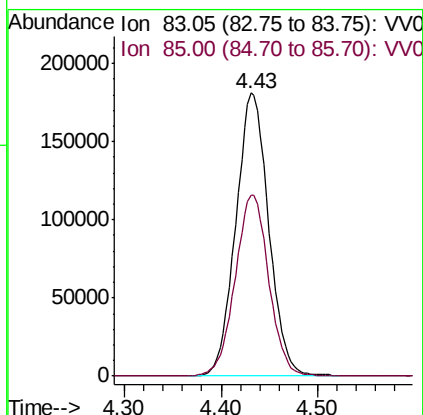
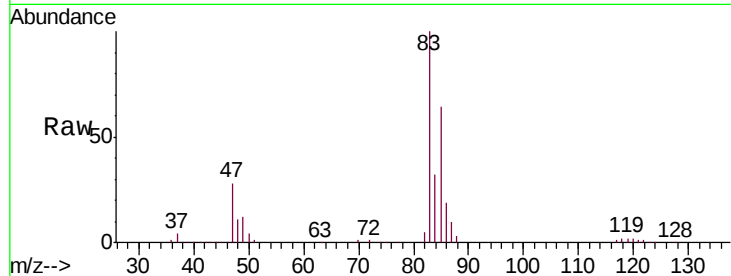




#25
Chloroform
Concen: 15.468 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

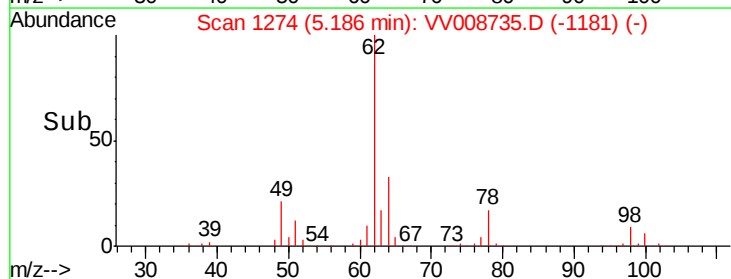
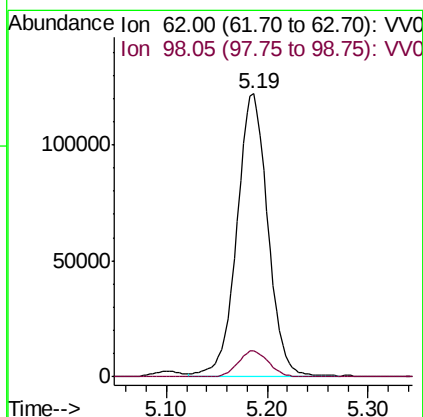
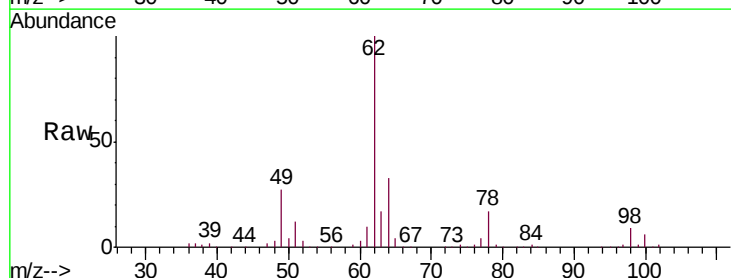
Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

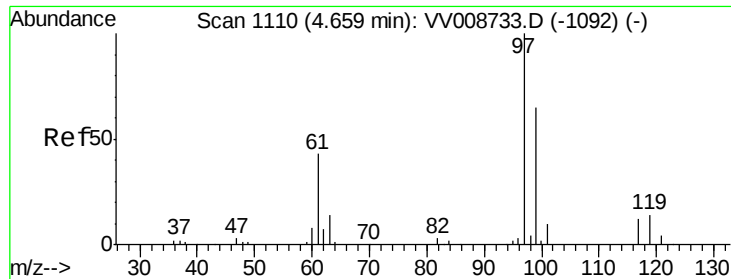
Tgt Ion: 83 Resp: 427985
Ion Ratio Lower Upper
83 100
85 64.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 18.701 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion: 62 Resp: 258352
Ion Ratio Lower Upper
62 100
98 9.2 6.6 9.8

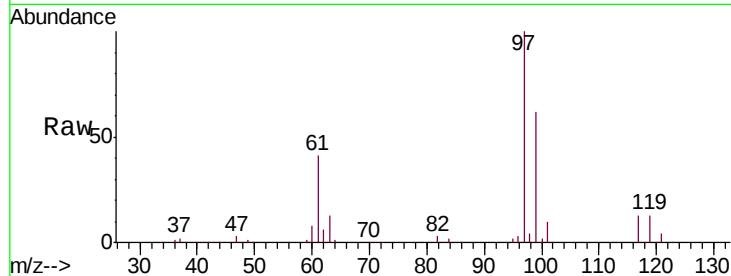




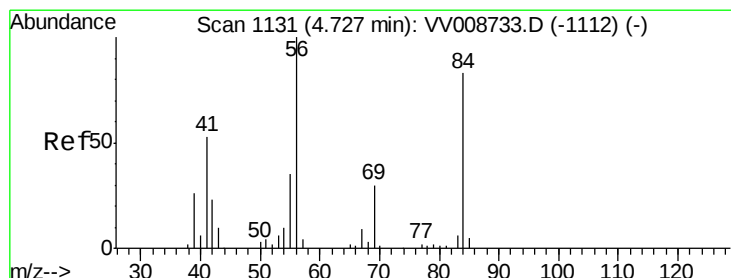
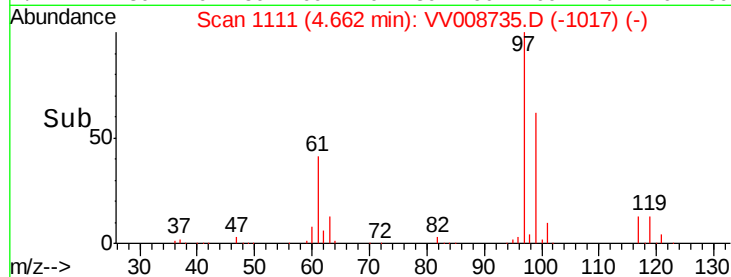
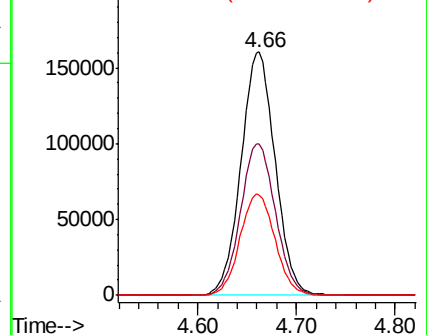
#29
 1,1,1-Trichloroethane
 Concen: 19.046 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

Tgt Ion: 97 Resp: 384886
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.3 76.9
 61 42.9 33.8 50.6

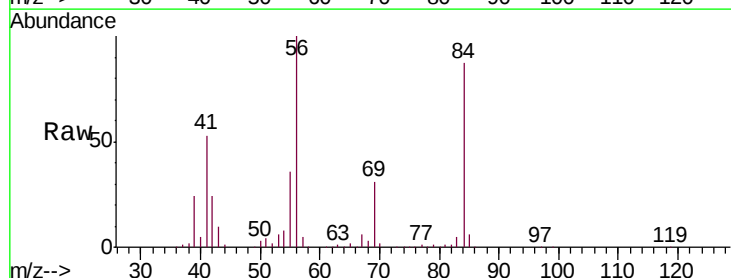


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

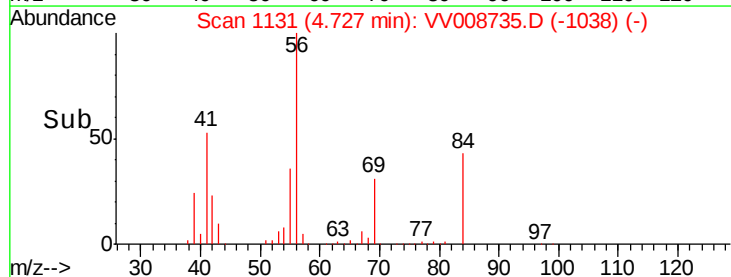
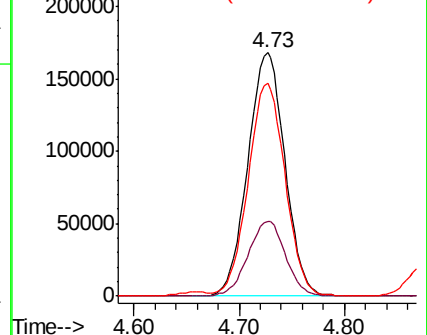


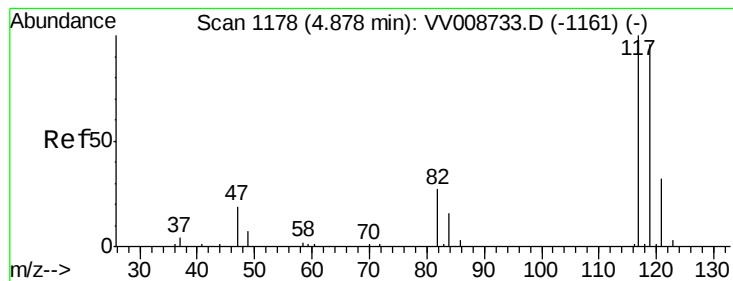
#30
 Cyclohexane
 Concen: 18.462 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Tgt Ion: 56 Resp: 411380
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.9 37.3
 84 87.6 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: 19.702 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

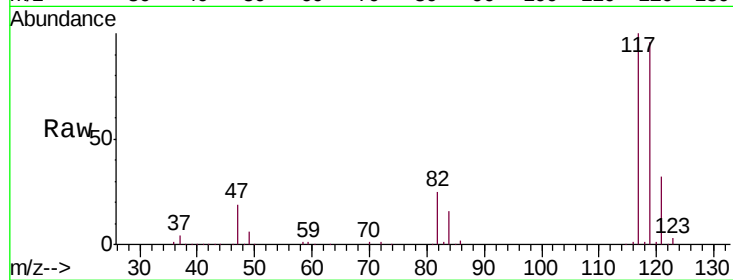
VSTD02066

Tgt Ion:117 Resp: 337488

Ion Ratio Lower Upper

117 100

119 96.0 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

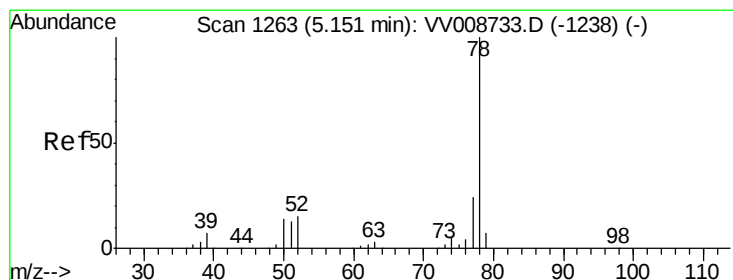
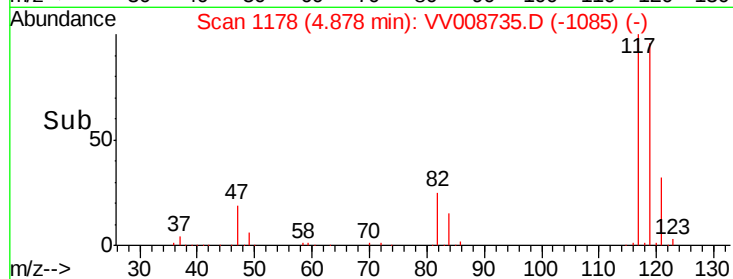
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 18.955 ug/L

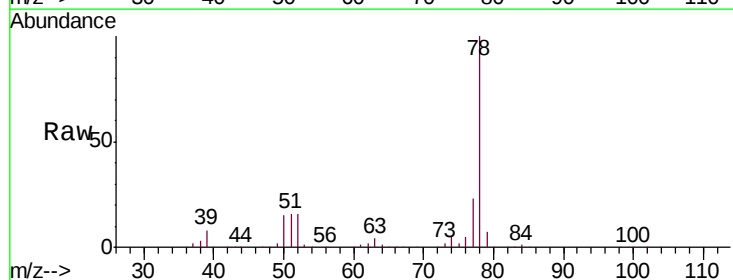
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Tgt Ion: 78 Resp: 959620



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

500000

400000

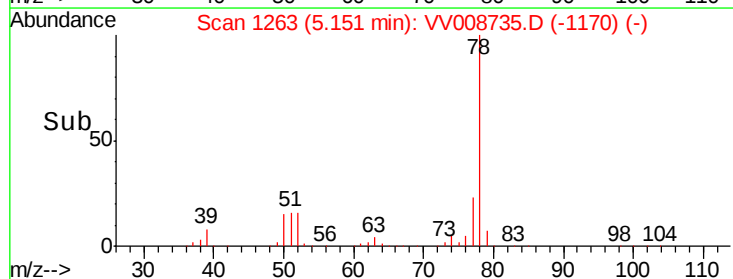
300000

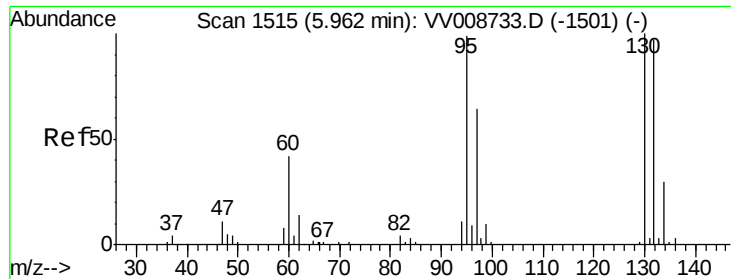
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 19.171 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

Tgt Ion: 95 Resp: 259655

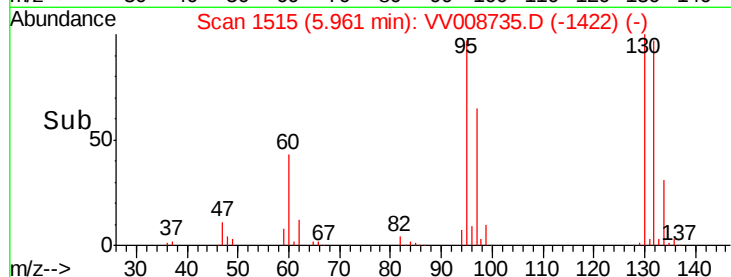
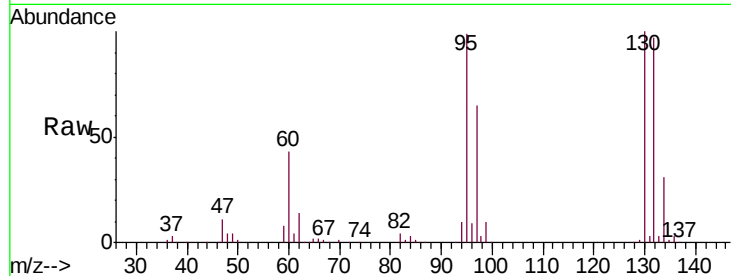
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 98.1 68.0 126.4

130 101.3 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

Time-->

5.96

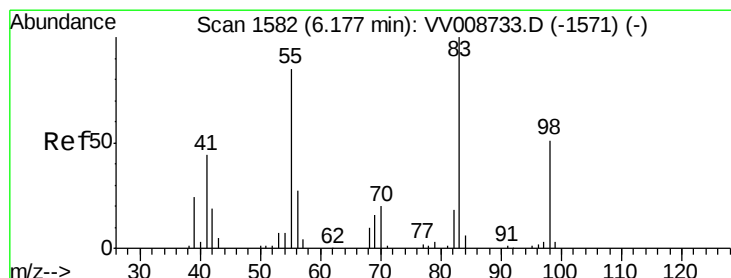
150000

100000

50000

0

5.90 6.00 6.10



#35

Methylcyclohexane

Concen: 19.616 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

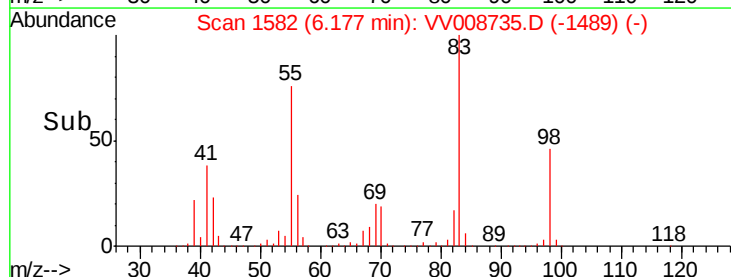
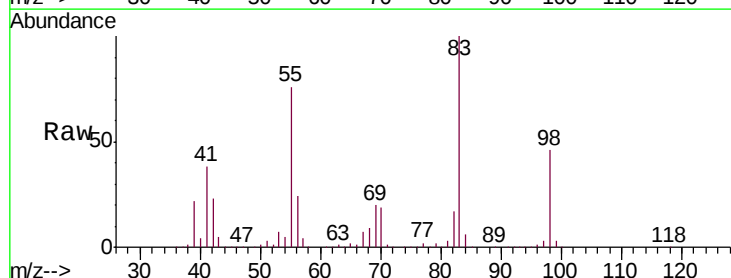
Tgt Ion: 83 Resp: 444625

Ion Ratio Lower Upper

83 100

55 75.7 62.2 93.2

98 47.0 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

Time-->

6.18

300000

250000

200000

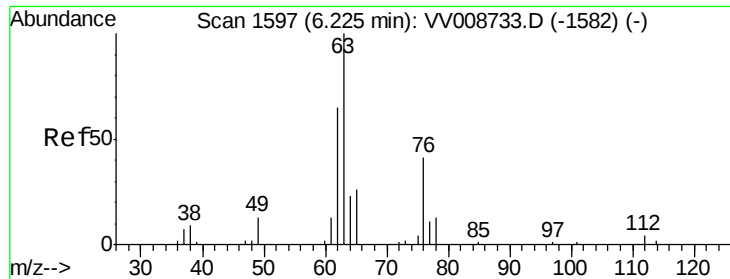
150000

100000

50000

0

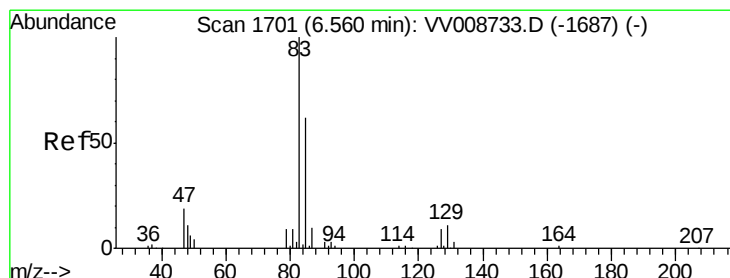
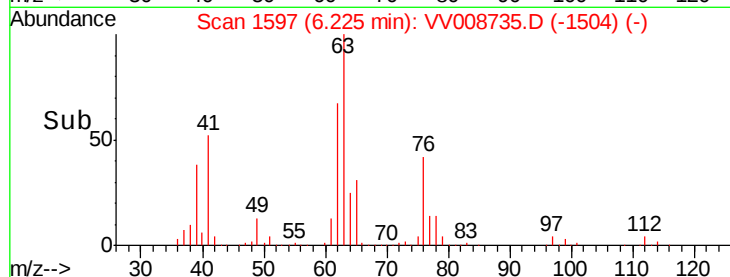
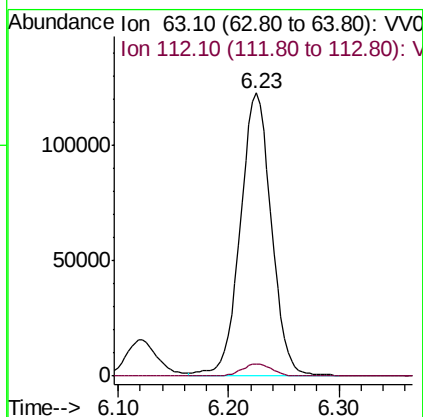
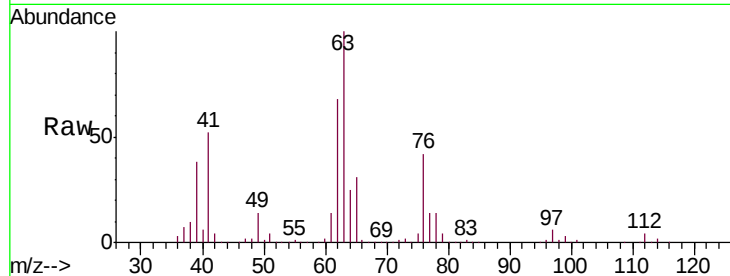
6.10 6.15 6.20 6.25 6.30



#37
 1,2-Dichloropropane
 Concen: 17.971 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

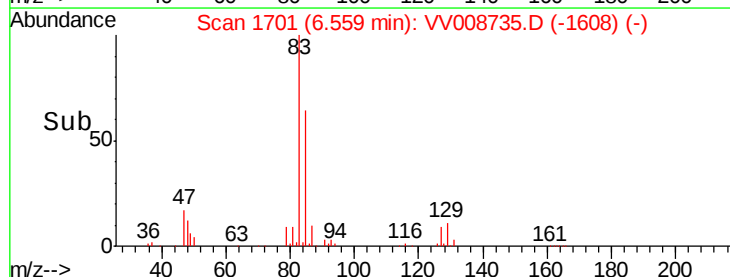
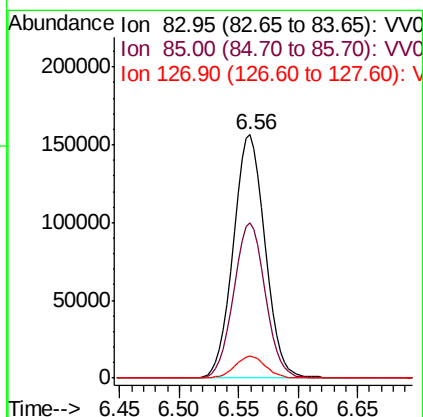
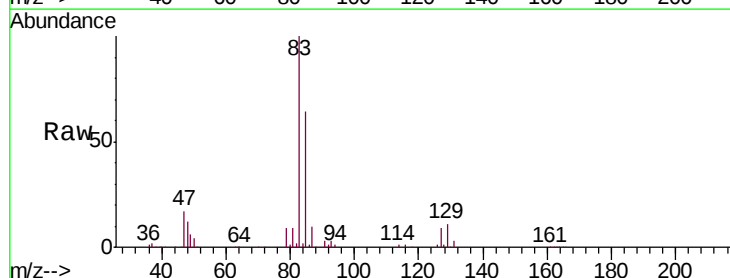
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02066

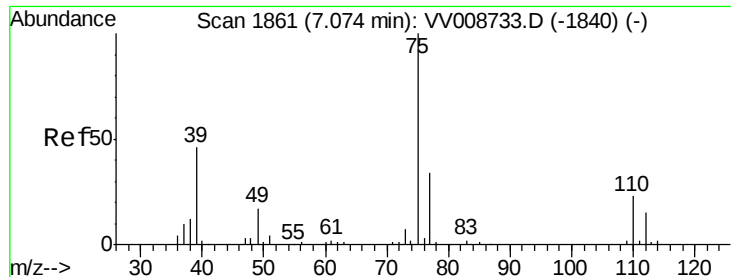
Tgt Ion: 63 Resp: 238063
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 18.028 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Tgt Ion: 83 Resp: 290068
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.8 81.3
 127 9.1 7.0 10.6

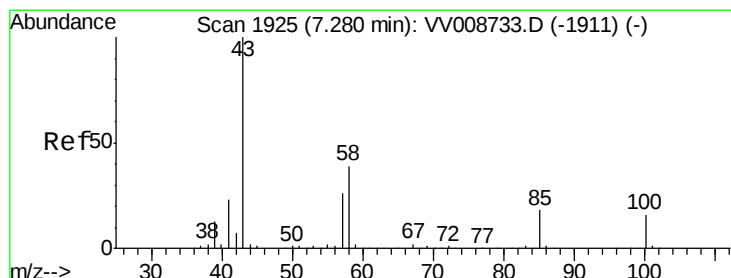
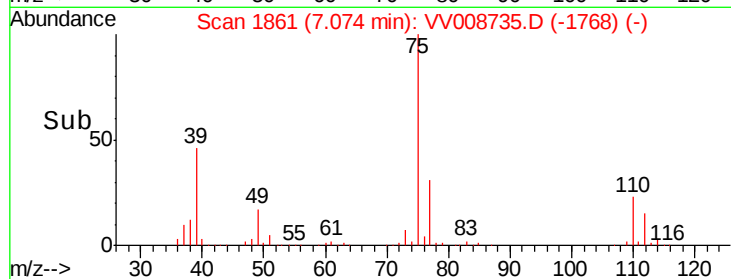
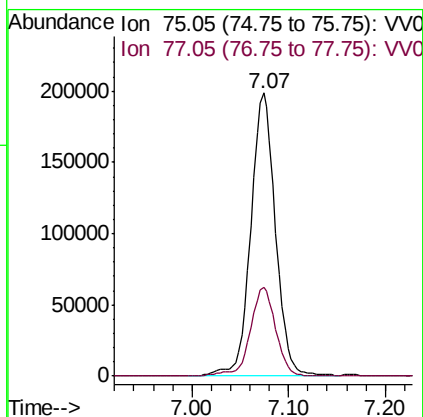
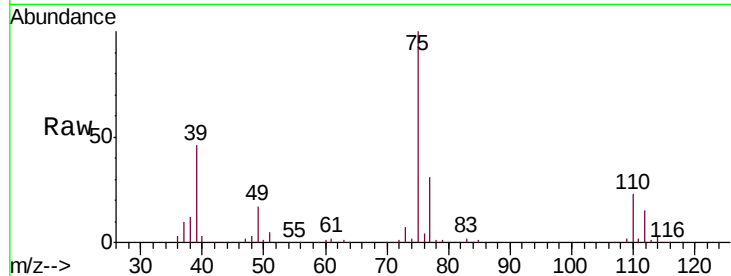




#39
 cis-1,3-Dichloropropene
 Concen: 19.704 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

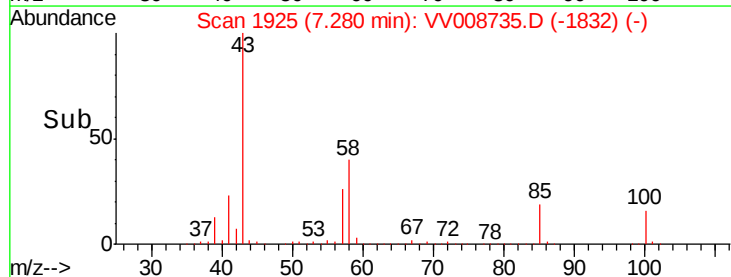
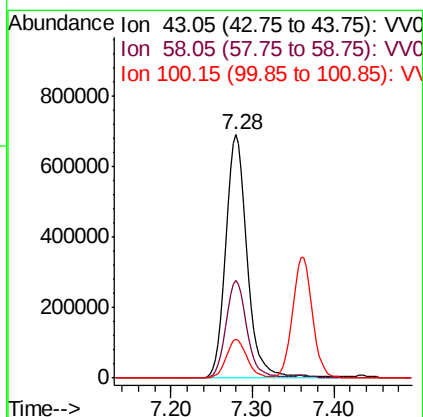
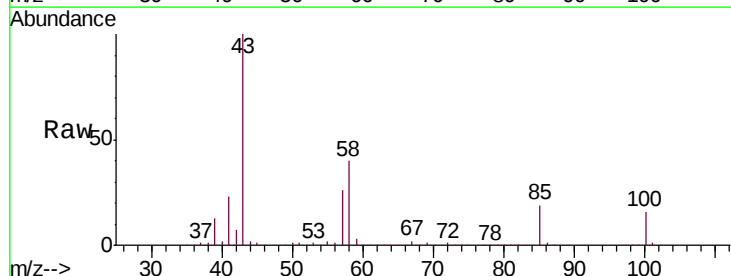
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

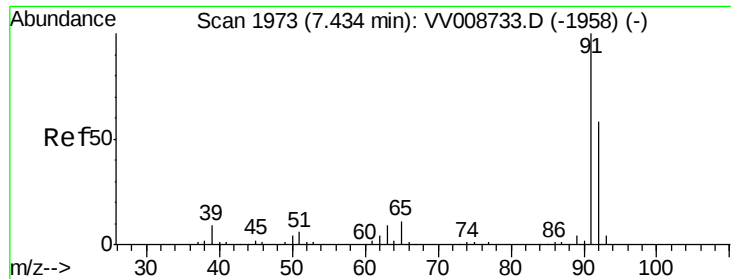
Tgt Ion: 75 Resp: 352731
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.8 44.2



#40
 4-Methyl-2-pentanone
 Concen: 169.233 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Tgt Ion: 43 Resp: 1291288
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.6 45.8
 100 15.4 12.2 18.4





#42

Toluene

Concen: 19.431 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

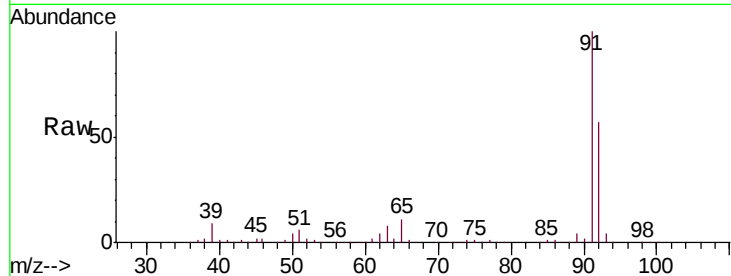
VSTD02066

Tgt Ion: 91 Resp: 1026715

Ion Ratio Lower Upper

91 100

92 57.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VV008735.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008735.D (-1958) (-)

7.43

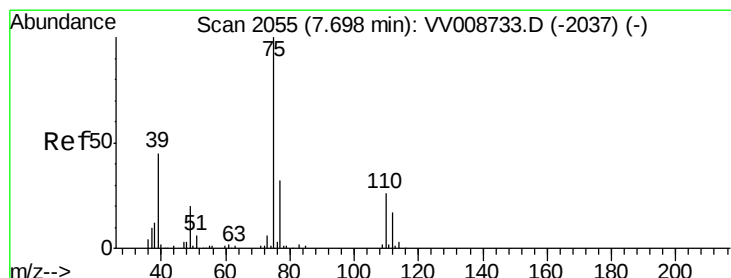
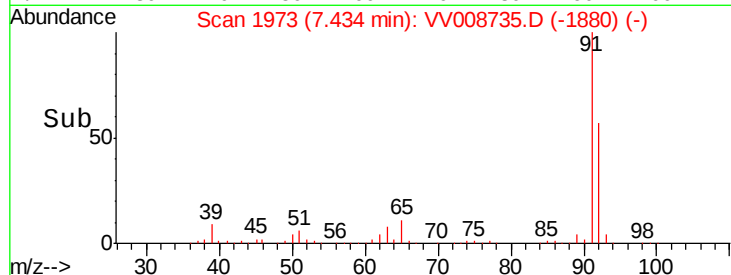
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 19.697 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008735.D

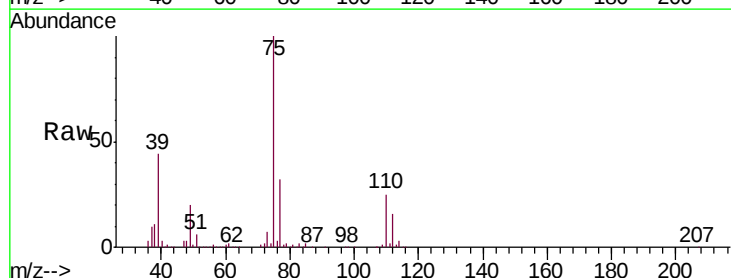
Acq: 28 Nov 2018 14:14

Tgt Ion: 75 Resp: 282074

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV008735.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV008735.D (-2037) (-)

7.69

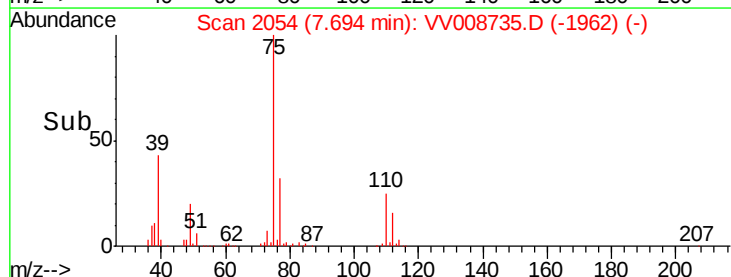
150000

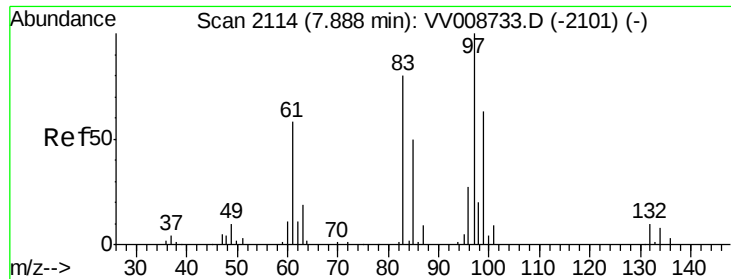
100000

50000

0

Time-->

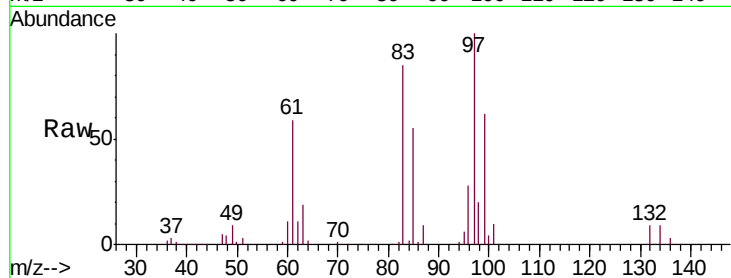




#45
1,1,2-Trichloroethane
Concen: 18.948 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion:	97	Resp:	160654
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.4
83	85.1	55.8	103.6
85	54.9	34.6	64.3



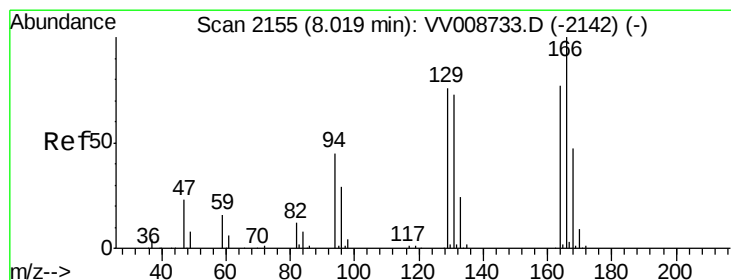
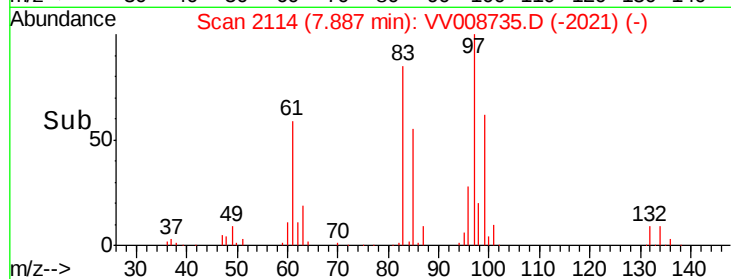
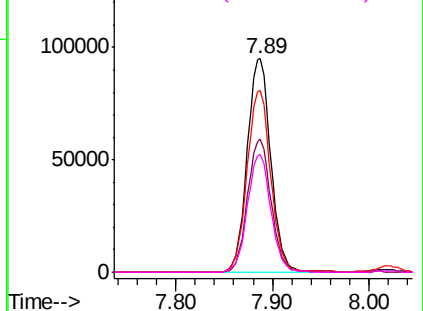
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

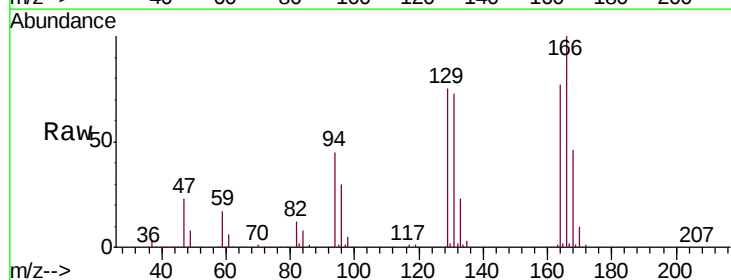
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 20.422 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion:	164	Resp:	202192
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.9	127.9
131	95.0	66.2	123.0
166	129.5	91.1	169.1



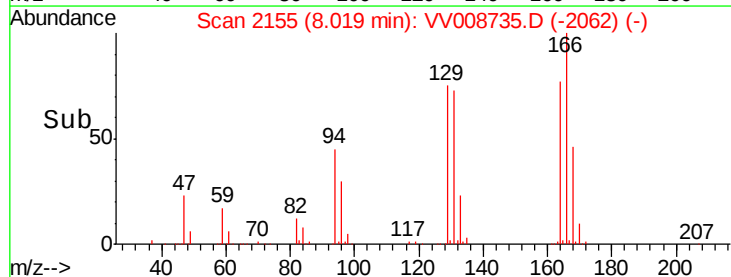
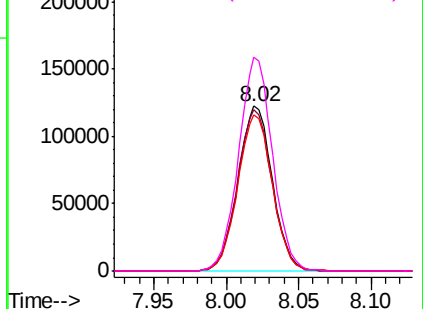
Abundance

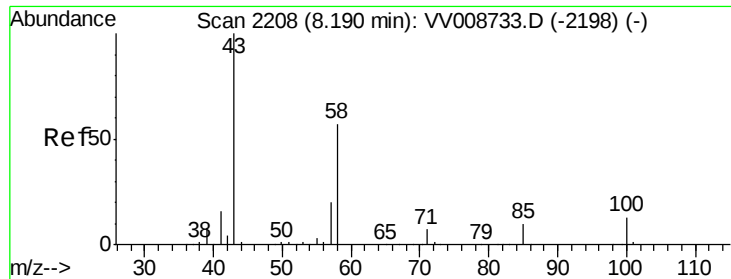
Ion 163.90 (163.60 to 164.60): V

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

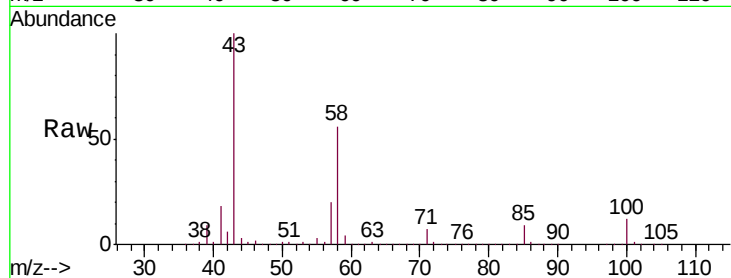




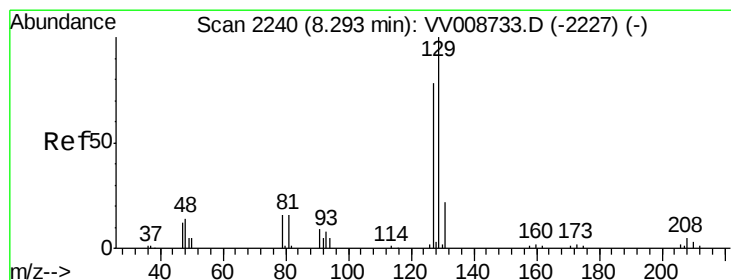
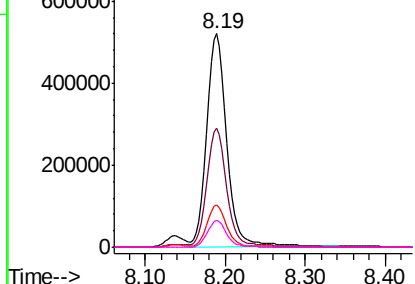
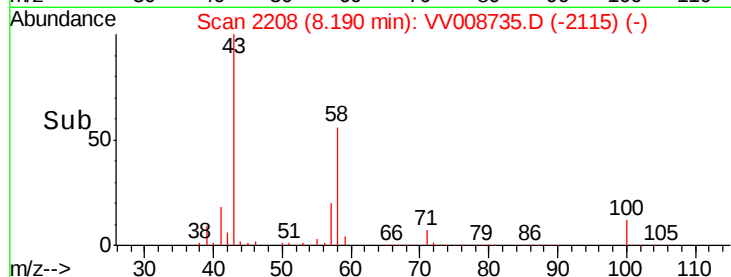
#48
2-Hexanone
Concen: 177.252 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion: 43 Resp: 911994
Ion Ratio Lower Upper
43 100
58 55.5 44.1 66.1
57 19.2 15.2 22.8
100 12.4 9.7 14.5

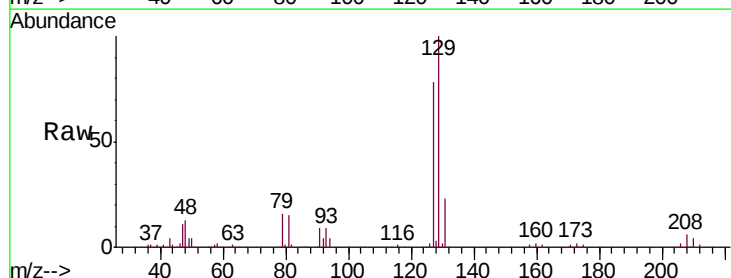


Abundance Ion 43.05 (42.75 to 43.75): VV0
800000 Ion 58.05 (57.75 to 58.75): VV0
600000 Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

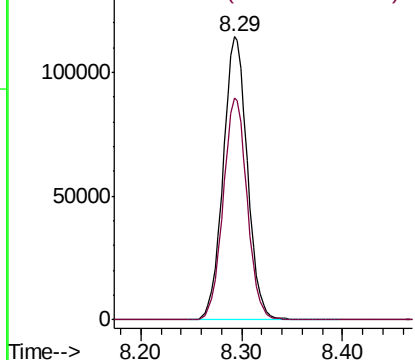
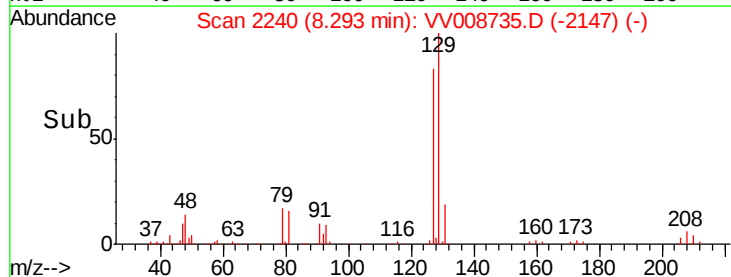


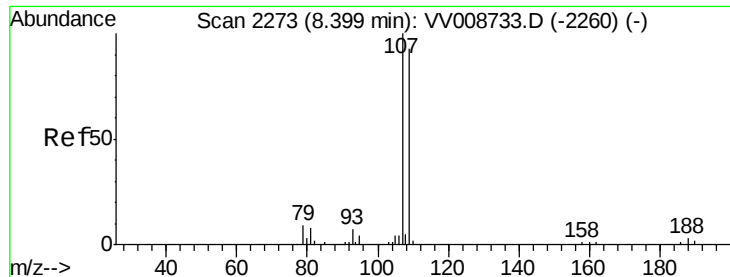
#49
Dibromochloromethane
Concen: 20.225 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion: 129 Resp: 192269
Ion Ratio Lower Upper
129 100
127 78.4 54.8 101.8



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

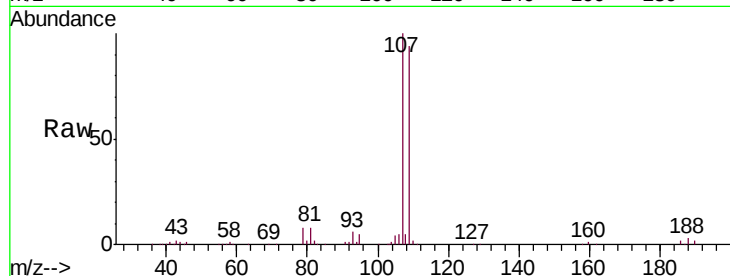




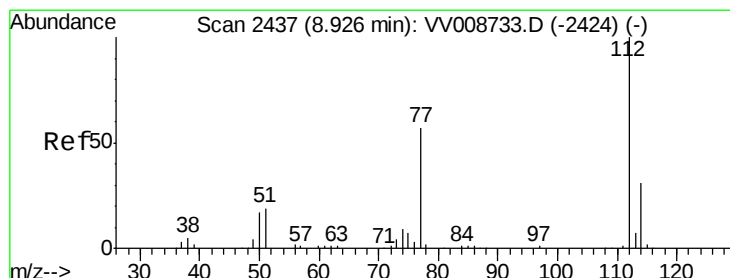
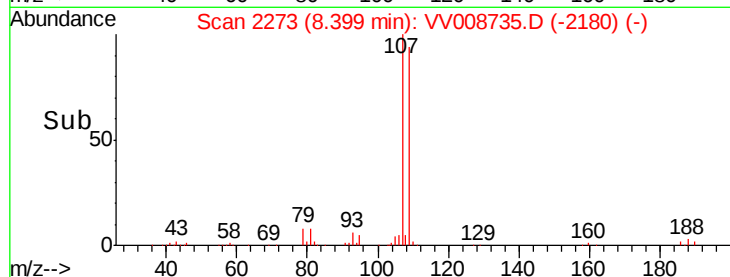
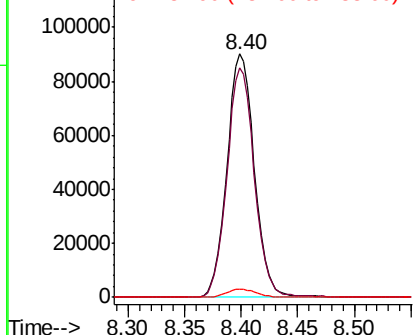
#50
1,2-Dibromoethane
Concen: 19.913 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion:107 Resp: 152170
Ion Ratio Lower Upper
107 100
109 94.1 65.2 121.2
188 3.2 2.3 3.5

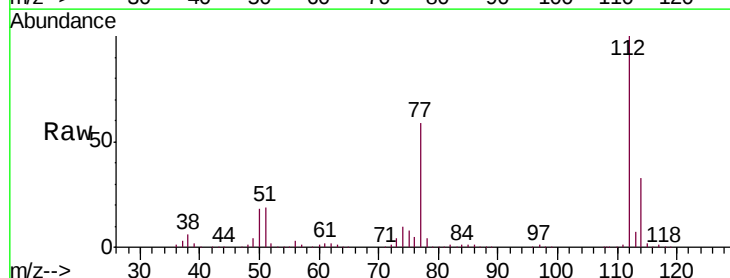


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

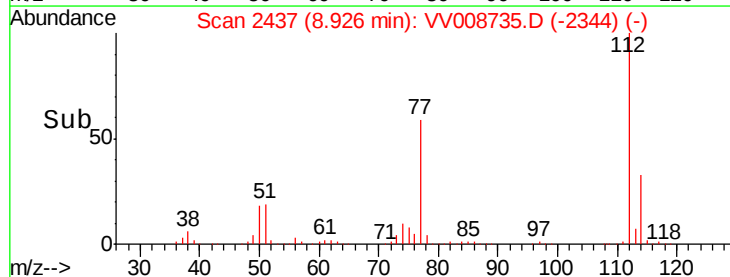
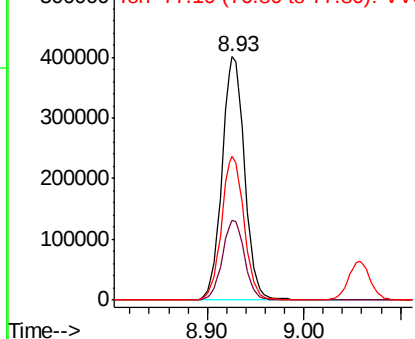


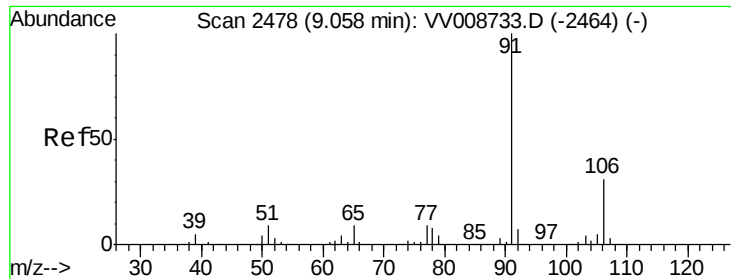
#51
Chlorobenzene
Concen: 19.601 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion:112 Resp: 646695
Ion Ratio Lower Upper
112 100
114 32.6 21.4 39.8
77 59.0 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: 19.543 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

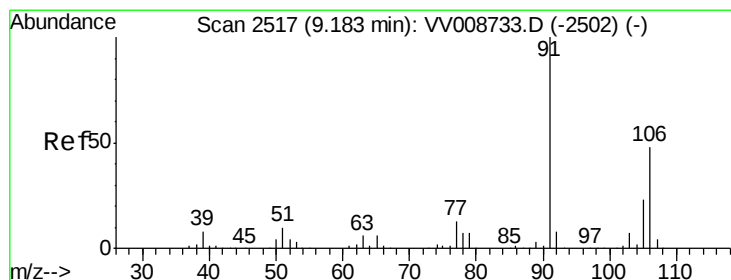
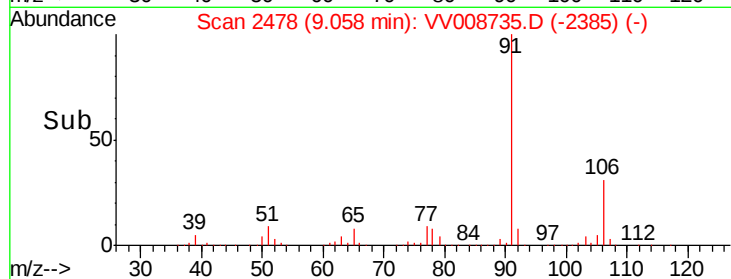
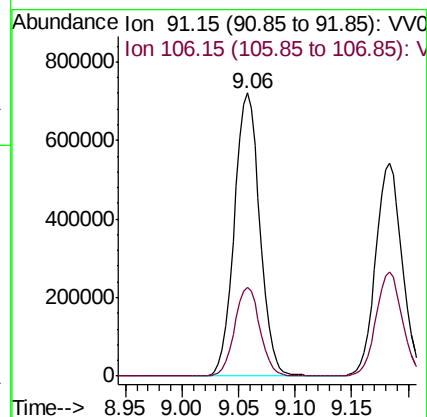
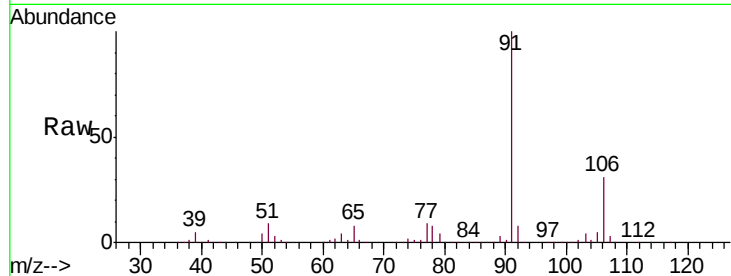
VSTD02066

Tgt Ion: 91 Resp: 1134212

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



#53

m,p-xylene

Concen: 19.887 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008735.D

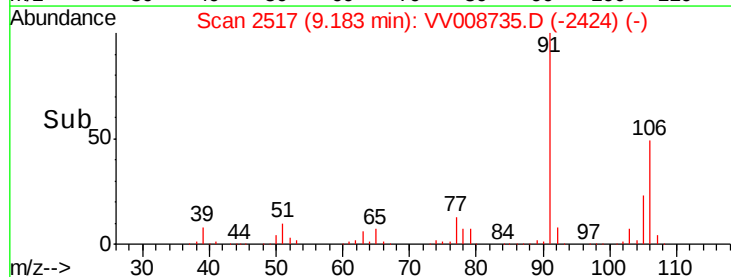
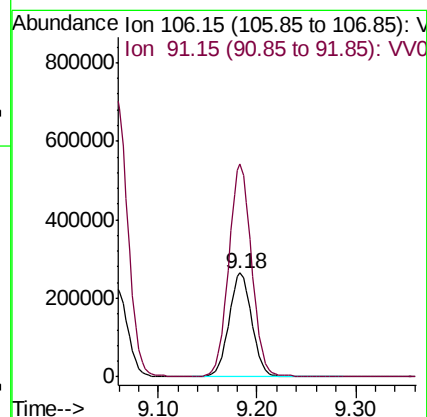
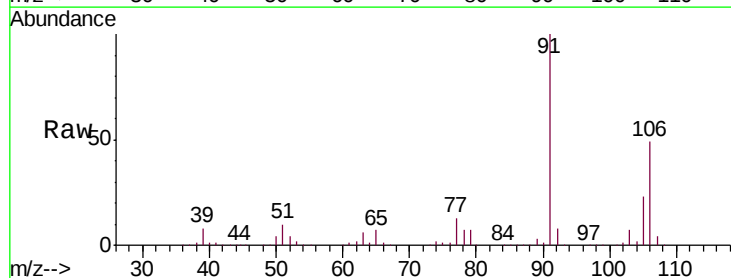
Acq: 28 Nov 2018 14:14

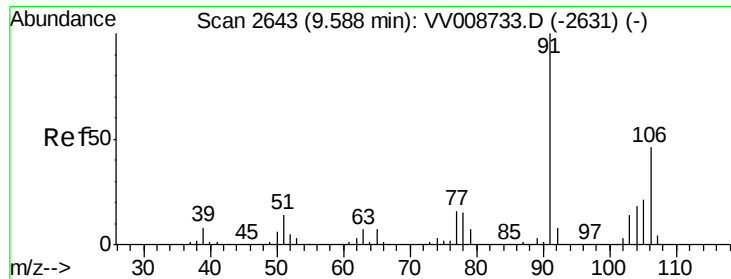
Tgt Ion: 106 Resp: 428938

Ion Ratio Lower Upper

106 100

91 204.6 145.1 269.5

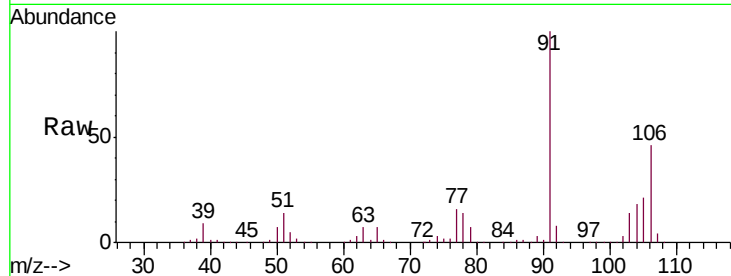




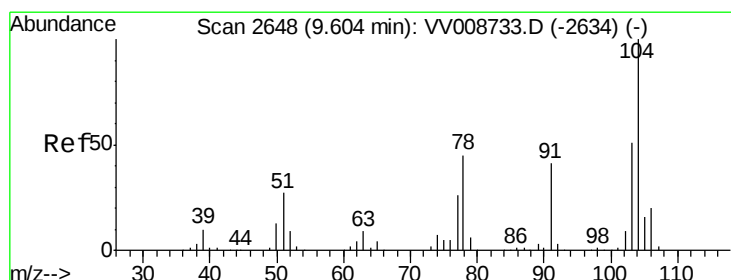
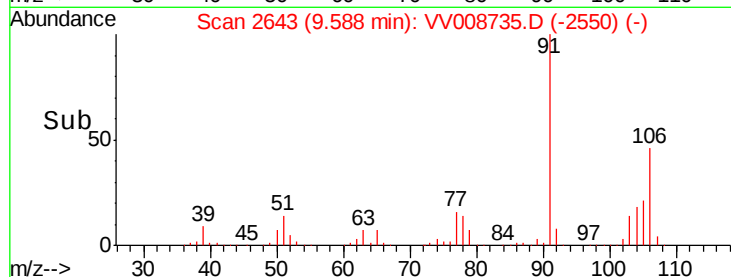
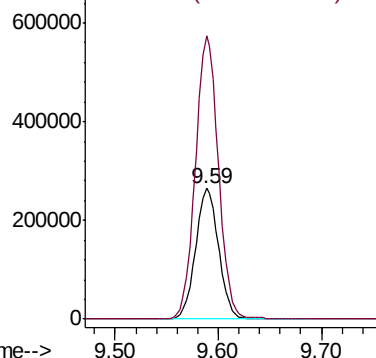
#54
o-xylene
Concen: 19.672 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion:106 Resp: 411831
Ion Ratio Lower Upper
106 100
91 216.9 152.0 282.4

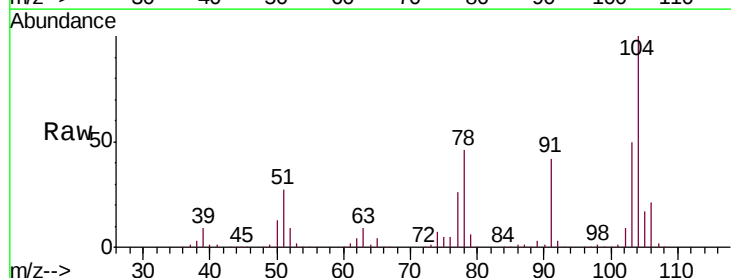


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

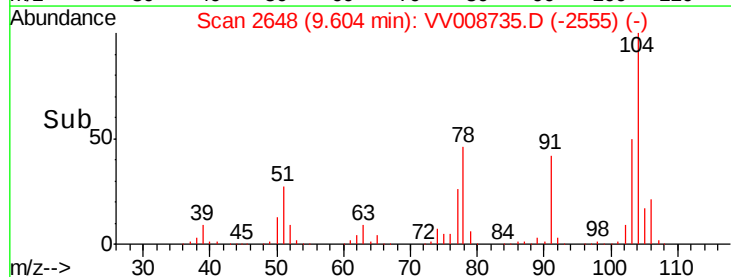
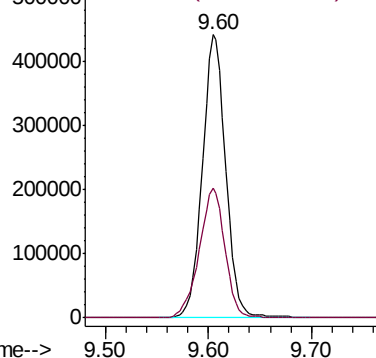


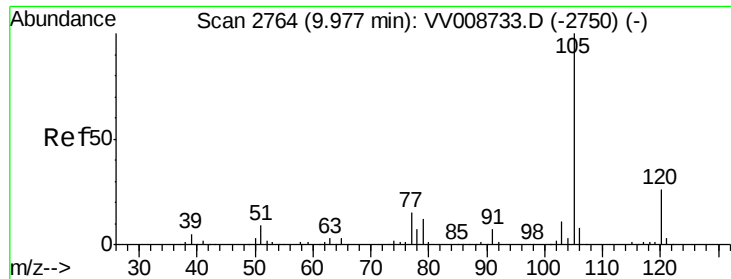
#55
Styrene
Concen: 20.673 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008735.D
Acq: 28 Nov 2018 14:14

Tgt Ion:104 Resp: 699648
Ion Ratio Lower Upper
104 100
78 45.8 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: 19.900 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

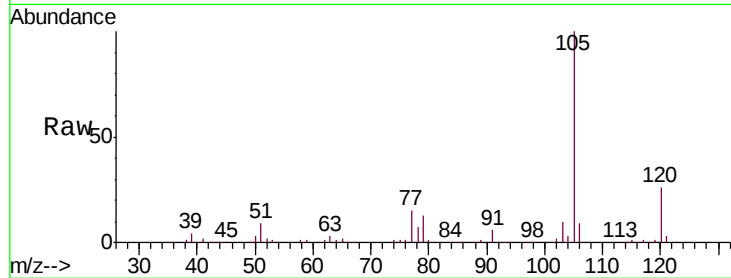
Tgt Ion:105 Resp: 1116542

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

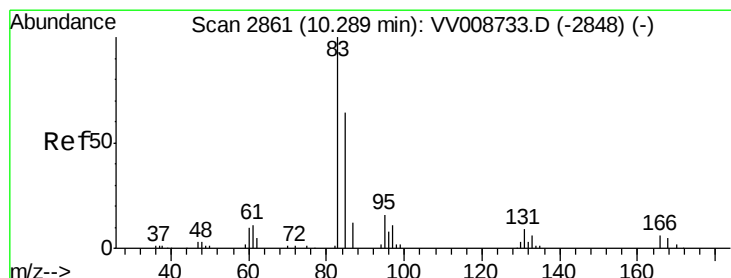
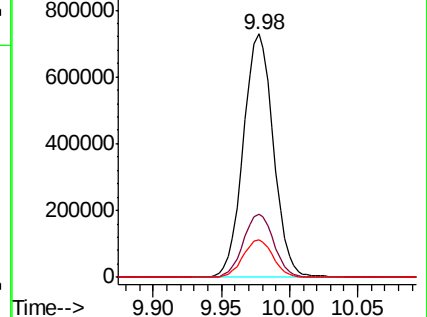
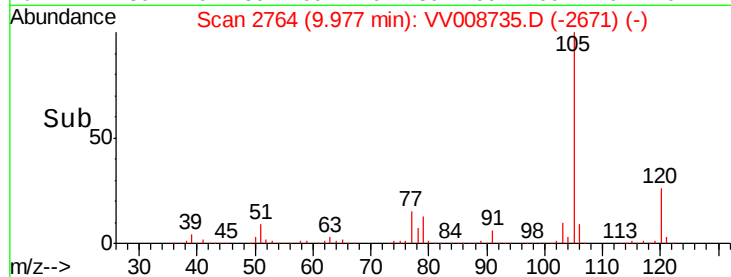
77 15.5 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 18.378 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

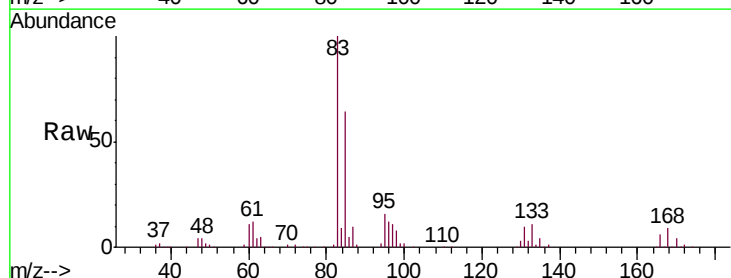
Tgt Ion: 83 Resp: 181093

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3

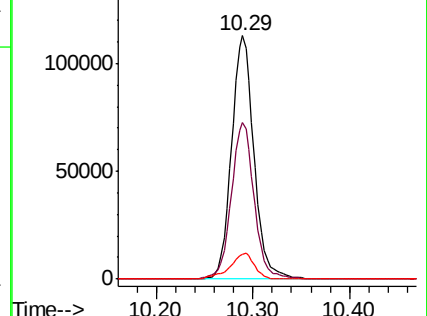
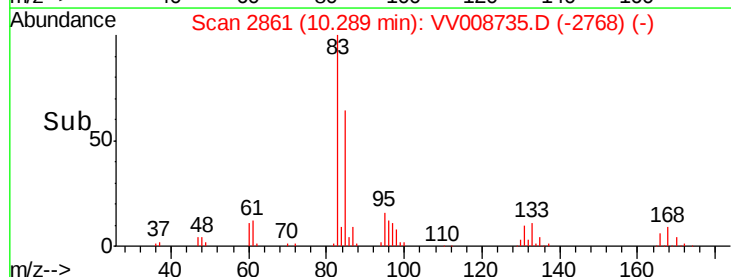
131 10.4 7.8 11.8

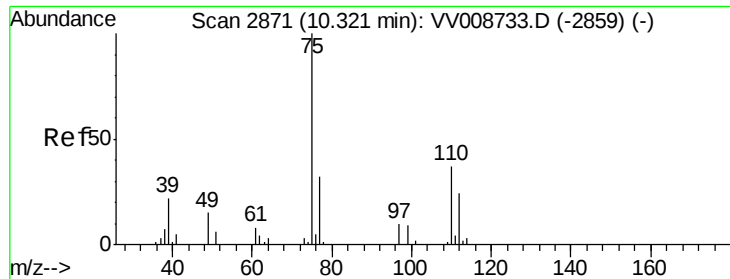


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.289 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

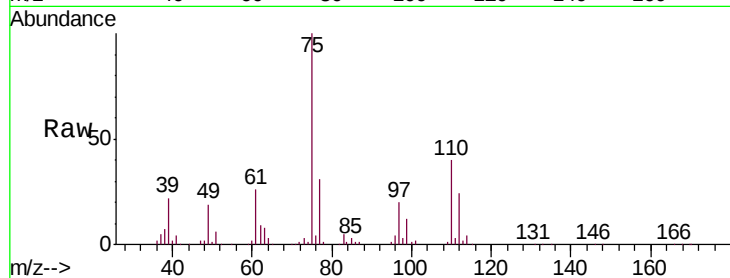
VSTD02066

Tgt Ion: 75 Resp: 137138

Ion Ratio Lower Upper

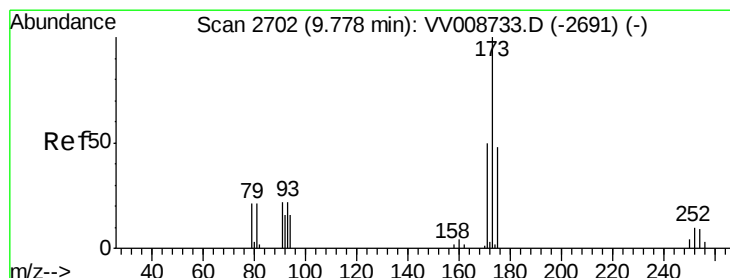
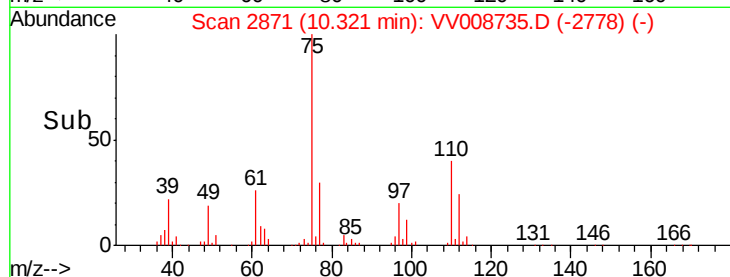
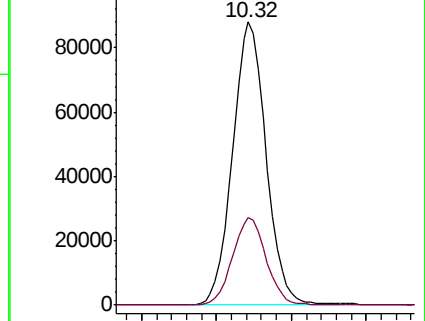
75 100

77 31.0 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VV008733.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008733.D (-2859) (-)



#61

Bromoform

Concen: 19.538 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

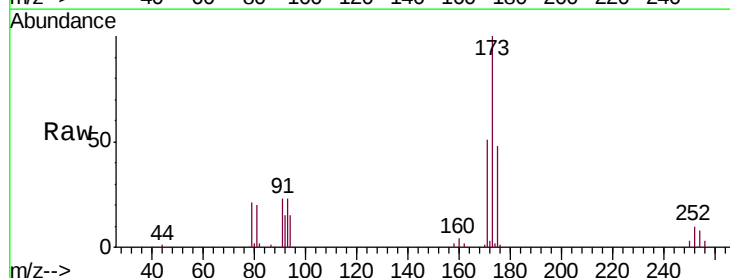
Tgt Ion: 173 Resp: 95986

Ion Ratio Lower Upper

173 100

175 47.5 38.4 57.6

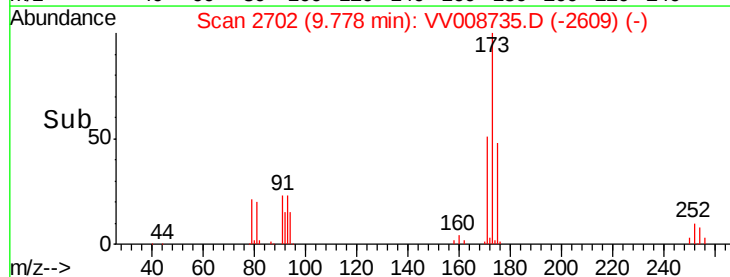
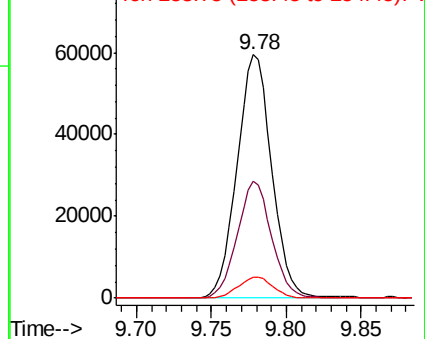
254 8.6 6.6 10.0

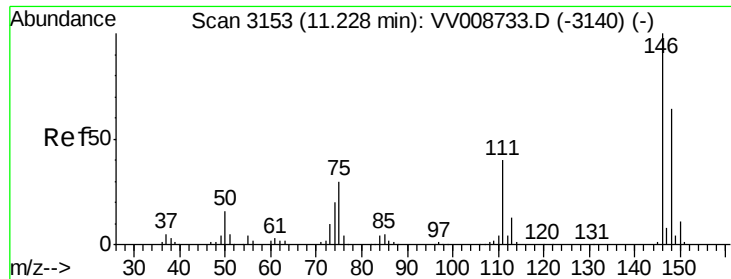


Abundance Ion 172.90 (172.60 to 173.60): VV008733.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV008733.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV008733.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 19.941 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

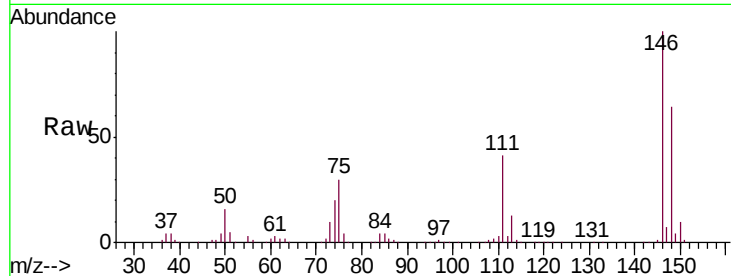
Tgt Ion:146 Resp: 503136

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

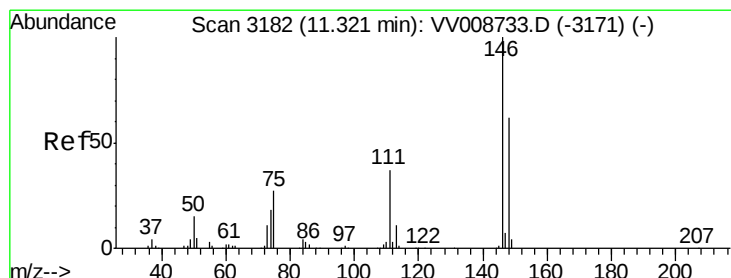
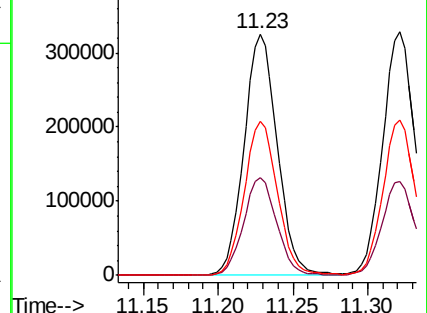
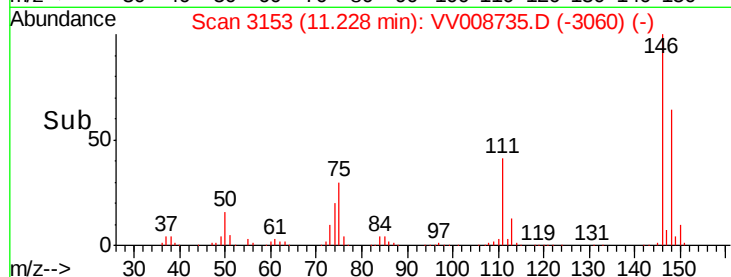
148 63.9 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 20.207 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

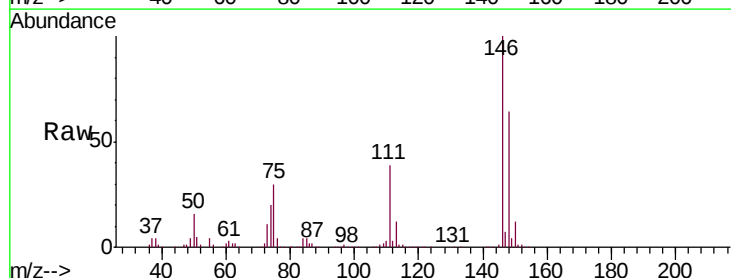
Tgt Ion:146 Resp: 505769

Ion Ratio Lower Upper

146 100

111 38.7 26.2 48.8

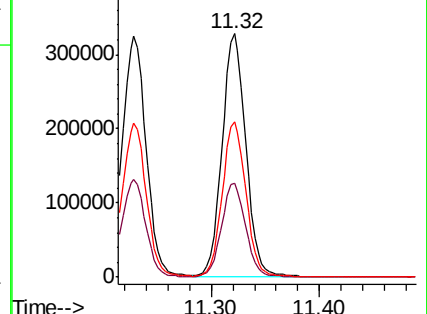
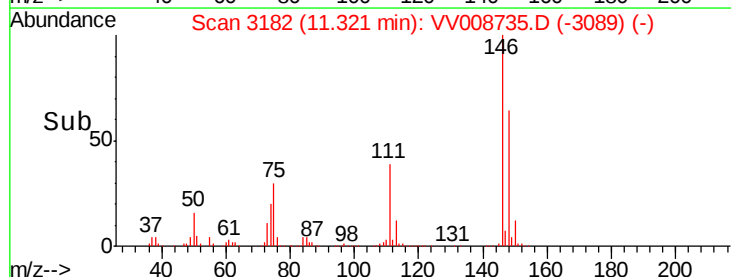
148 64.0 43.6 81.0

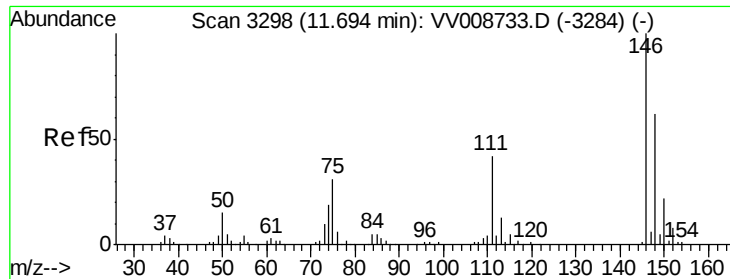


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.253 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

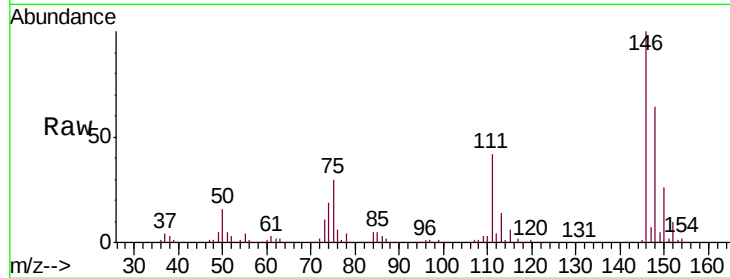
Tgt Ion:146 Resp: 463293

Ion Ratio Lower Upper

146 100

111 42.1 33.6 50.4

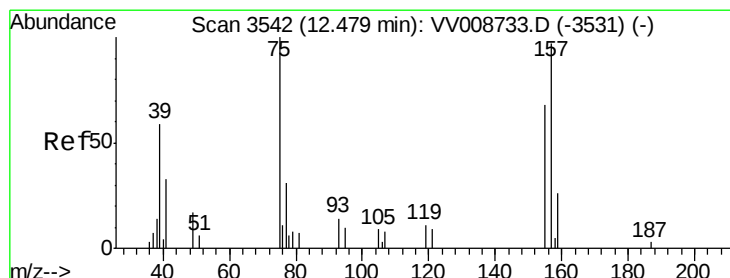
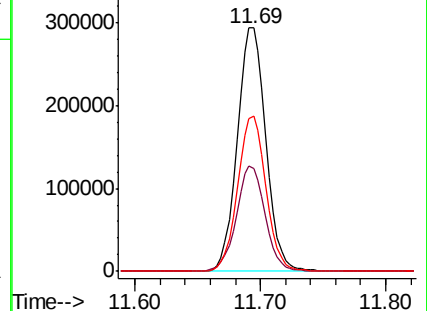
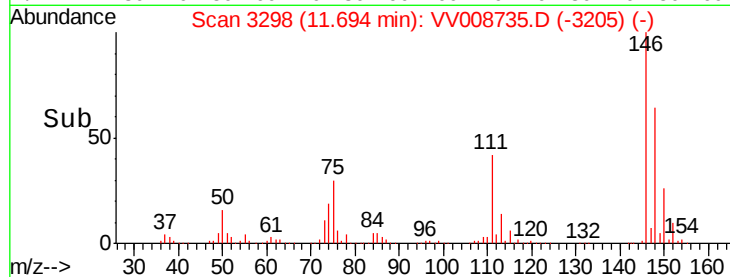
148 63.9 49.8 74.6



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: 18.768 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

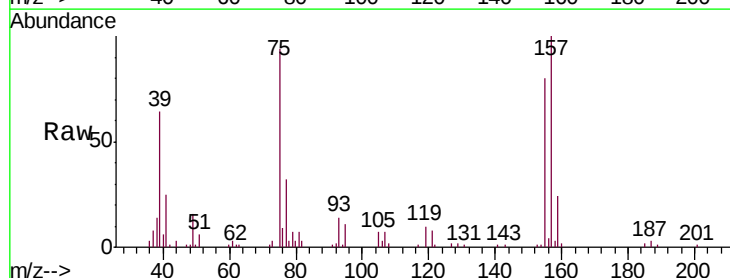
Tgt Ion: 75 Resp: 28236

Ion Ratio Lower Upper

75 100

155 84.7 54.1 81.1#

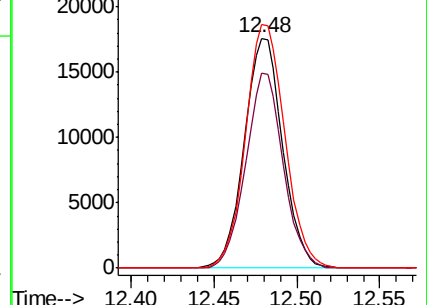
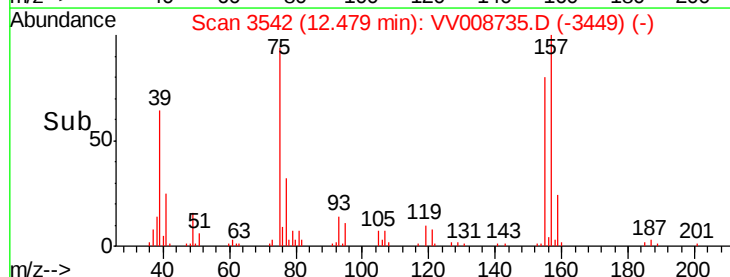
157 105.9 77.4 116.2

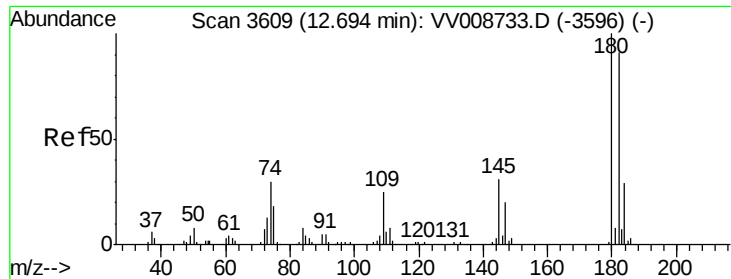


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

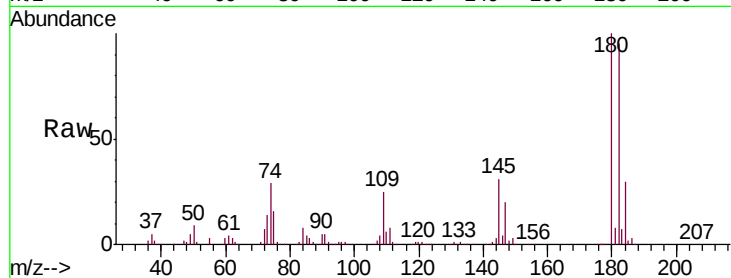




#67
 1,3,5-Trichlorobenzene
 Concen: 20.544 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.3	111.5
184	30.2	23.4	35.0
145	31.1	24.8	37.2



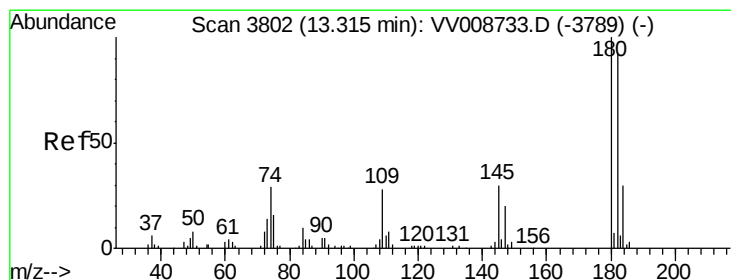
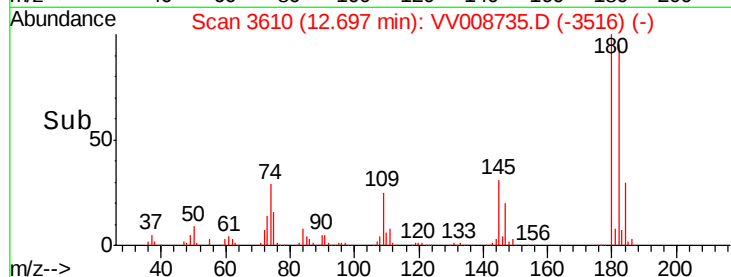
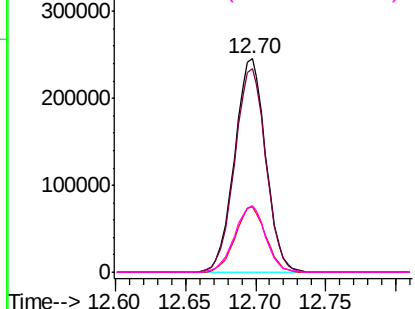
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

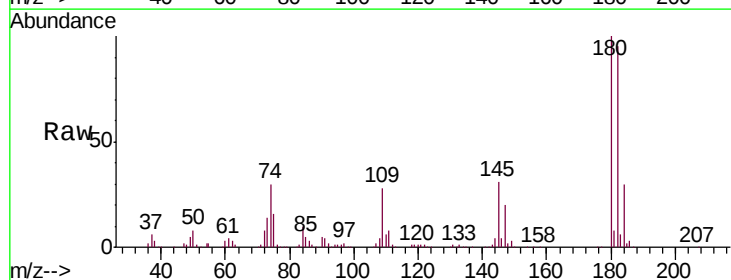
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.005 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008735.D
 Acq: 28 Nov 2018 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.4	111.6
145	31.1	23.8	35.8

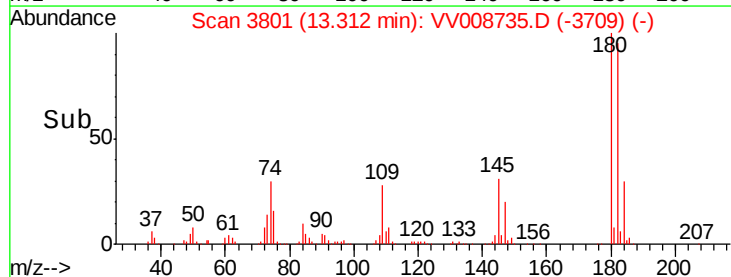
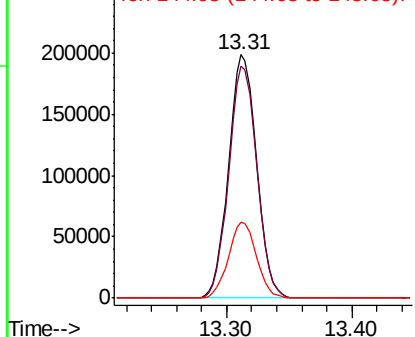


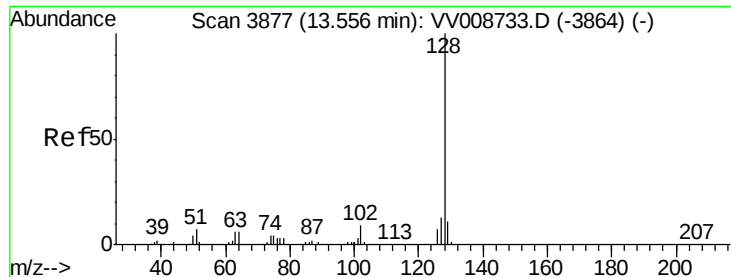
Abundance

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: 21.483 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

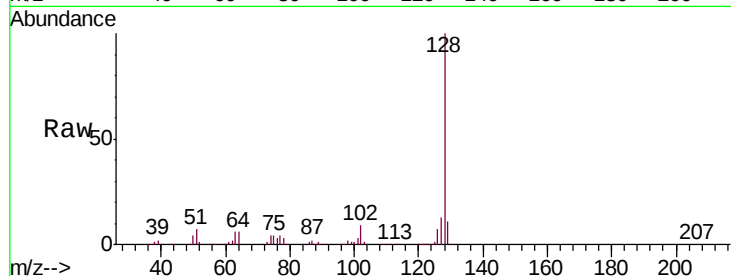
Tgt Ion:128 Resp: 495542

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

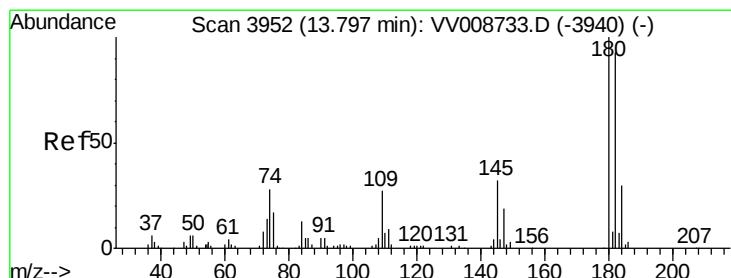
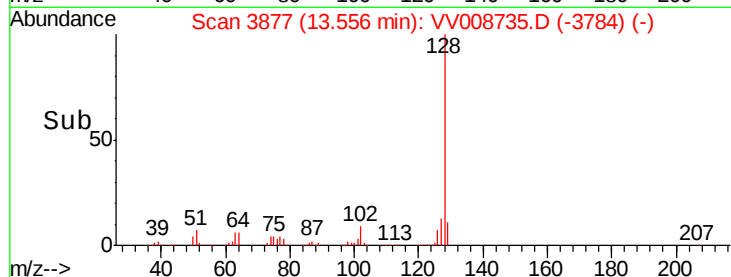
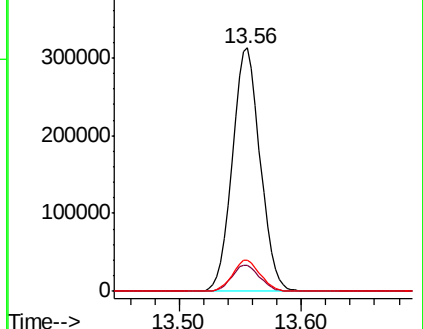
127 12.9 10.3 15.5



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: 20.382 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008735.D

Acq: 28 Nov 2018 14:14

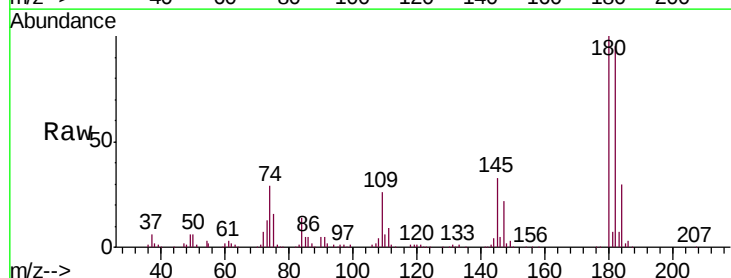
Tgt Ion:180 Resp: 275319

Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 32.8 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

