

Data File : VV008093.D
Acq On : 05 Oct 2018 12:43
Operator : SY/MD
Sample : VSTD02073
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

Quant Time: Oct 06 00:13:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 00:00:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	106660	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	102284	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57757	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128631	22.06	ug/L	0.00
7) Chloroethane-d5	1.58	69	97293	19.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	250393	19.41	ug/L	0.00
20) 2-Butanone-d5	3.96	46	336476	196.38	ug/L	0.00
24) Chloroform-d	4.41	84	276138	20.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	134079	18.86	ug/L	0.00
32) Benzene-d6	5.10	84	545299	22.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	165035	21.09	ug/L	0.00
41) Toluene-d8	7.36	98	547042	21.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	66025	21.98	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	286790	220.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	122493	20.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	218181	19.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	144266	16.646	ug/L	98
3) Chloromethane	1.25	50	118684	15.658	ug/L	99
5) Vinyl chloride	1.33	62	135391	16.548	ug/L	99
6) Bromomethane	1.54	94	64086	13.275	ug/L	98
8) Chloroethane	1.60	64	75409	15.092	ug/L	97
9) Trichlorofluoromethane	1.77	101	223202	16.606	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	131776	17.119	ug/L	99
12) 1,1-Dichloroethene	2.15	96	112847	16.529	ug/L	95
13) Acetone	2.21	43	187310	153.799	ug/L	100
14) Carbon disulfide	2.32	76	285795	15.565	ug/L	98
15) Methyl Acetate	2.47	43	48663	15.424	ug/L	99
16) Methylene chloride	2.54	84	119137	15.569	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	283637	16.701	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	121497	16.146	ug/L	97
19) 1,1-Dichloroethane	3.23	63	235140	18.120	ug/L	100
21) 2-Butanone	4.04	43	344014	175.743	ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	147862	19.107	ug/L	98
23) Bromochloromethane	4.30	128	65354	19.132	ug/L	98
25) Chloroform	4.43	83	256557	18.176	ug/L	97
27) 1,2-Dichloroethane	5.19	62	149251	16.729	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	230372	18.976	ug/L	99
30) Cyclohexane	4.73	56	202141	18.126	ug/L	99
31) Carbon tetrachloride	4.88	117	208204	19.419	ug/L	100
33) Benzene	5.15	78	540454	18.791	ug/L	100
34) Trichloroethene	5.96	95	147207	17.935	ug/L	99
35) Methylcyclohexane	6.18	83	228501	18.810	ug/L	97
37) 1,2-Dichloropropane	6.23	63	141148	19.015	ug/L	99
38) Bromodichloromethane	6.56	83	179398	20.205	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	205980	20.864	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	843325	182.971	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	601785	19.225	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	171359	20.963	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	100124	18.613	ug/L	98
47) Tetrachloroethene	8.02	164	137032	18.062	ug/L	98
48) 2-Hexanone	8.19	43	597141	186.326	ug/L	97
49) Dibromochloromethane	8.30	129	131809	21.348	ug/L	100
50) 1,2-Dibromoethane	8.40	107	93713	19.248	ug/L	99
51) Chlorobenzene	8.93	112	404529	18.666	ug/L	99
52) Ethylbenzene	9.06	91	679897	19.584	ug/L	100
53) m,p-xylene	9.18	106	262196	19.761	ug/L	98
54) o-xylene	9.59	106	256710	20.114	ug/L	98
55) Styrene	9.61	104	448183	20.512	ug/L	100
56) Isopropylbenzene	9.98	105	699724	20.244	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	118829	18.945	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	82996	18.094	ug/L	96
61) Bromoform	9.78	173	76276	21.456	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	352712	18.747	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	358702	18.305	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	334352	18.754	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	17484	19.087	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	305308	18.922	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	251259	18.627	ug/L	100
69) Naphthalene	13.56	128	358549	19.445	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	230694	18.860	ug/L	99

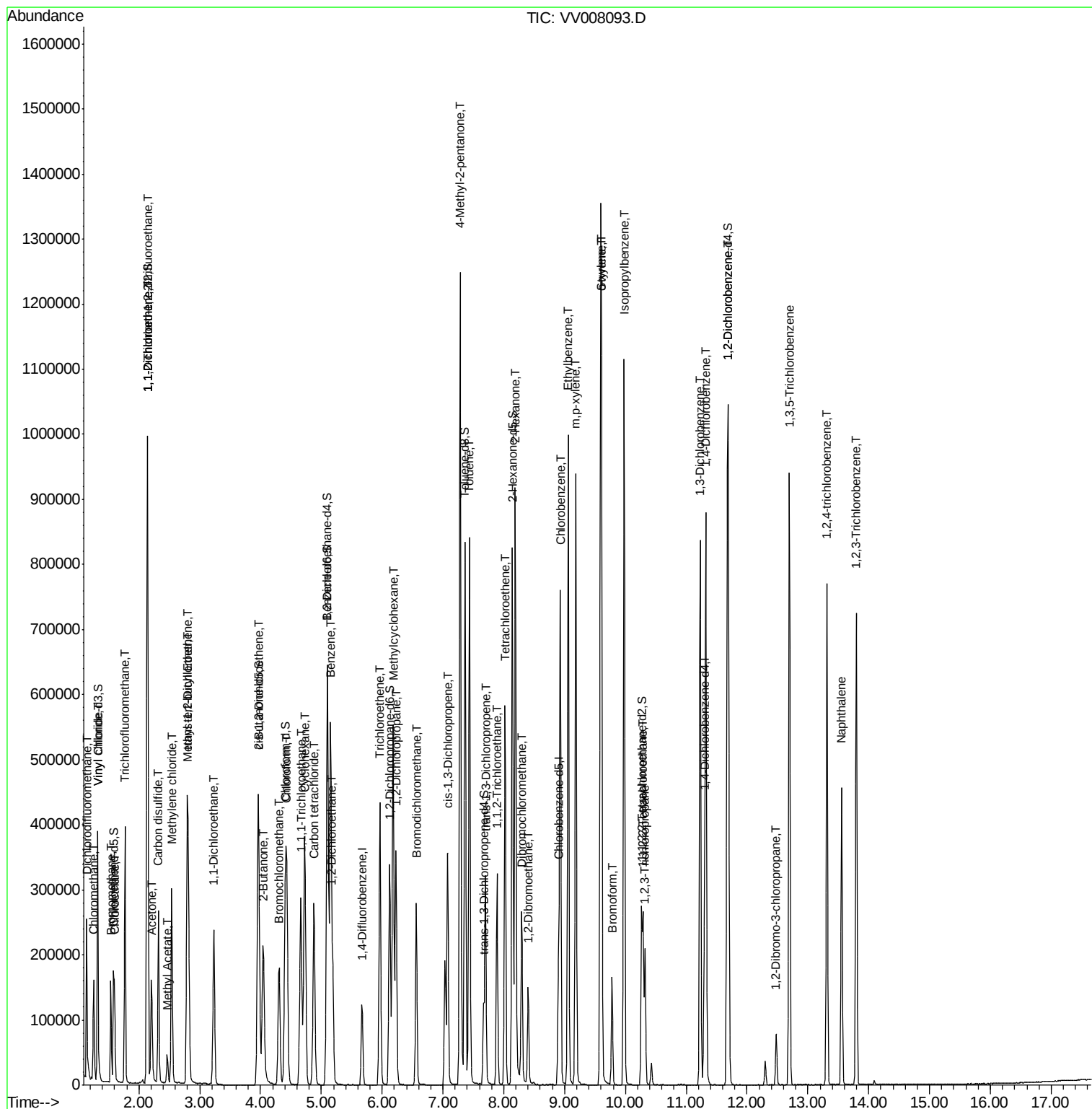
(#) = qualifier out of range (m) = manual integration (+) = signals summed

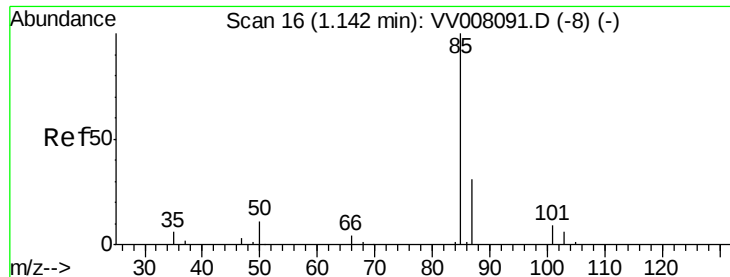
Data File : VV008093.D

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#2

Dichlorodifluoromethane

Concen: 16.646 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

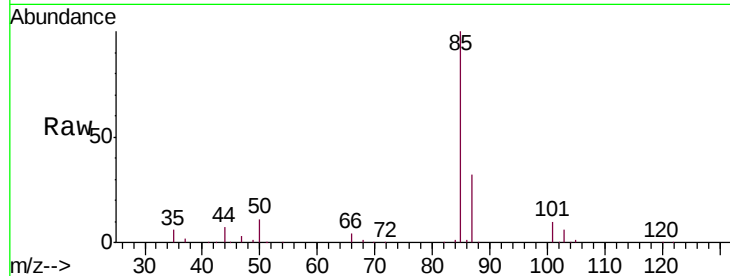
VSTD02073

Tgt Ion: 85 Resp: 144266

Ion Ratio Lower Upper

85 100

87 31.9 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV008091.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008091.D (-8) (-)

1.14

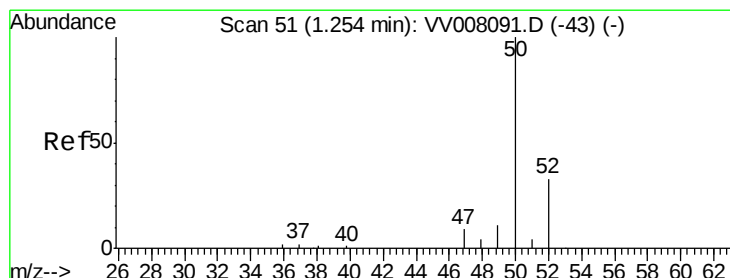
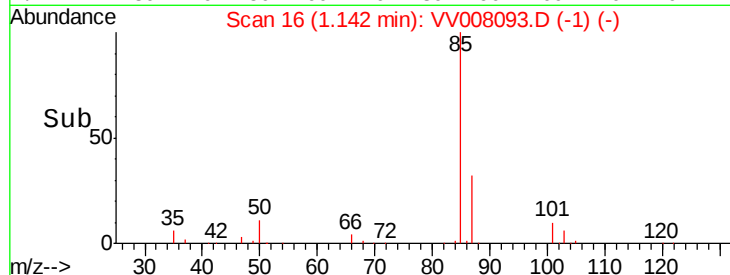
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100000

50000

0

Time-->



#3

Chloromethane

Concen: 15.658 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008093.D

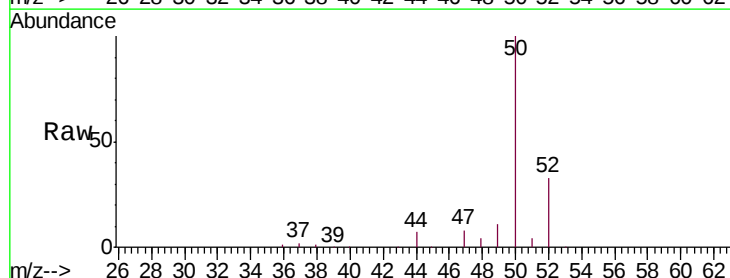
Acq: 05 Oct 2018 12:43

Tgt Ion: 50 Resp: 118684

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008091.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008091.D (-43) (-)

1.25

100000

80000

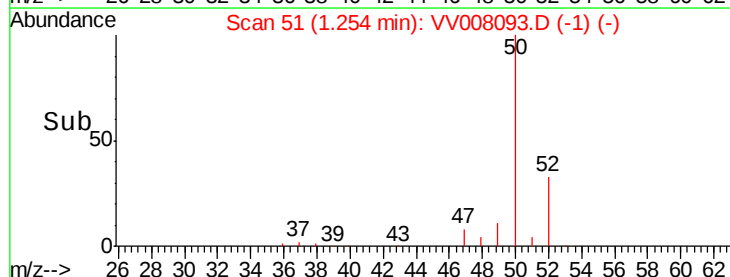
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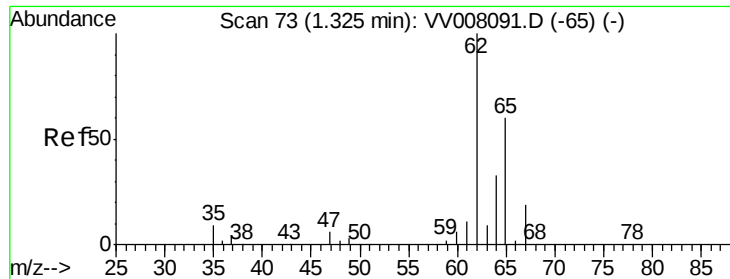
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 16.548 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

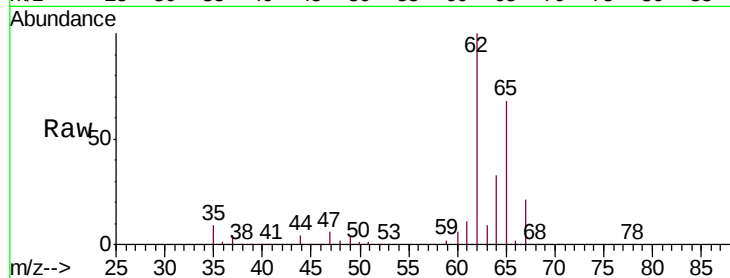
VSTD02073

Tgt Ion: 62 Resp: 135391

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

150000

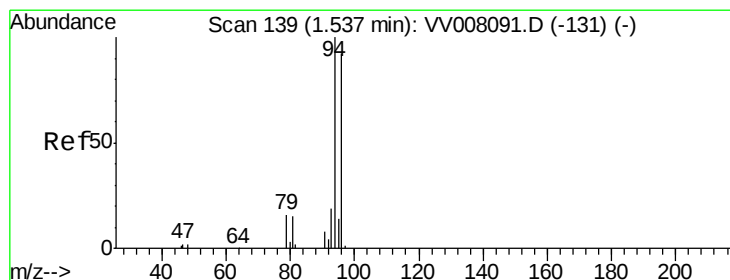
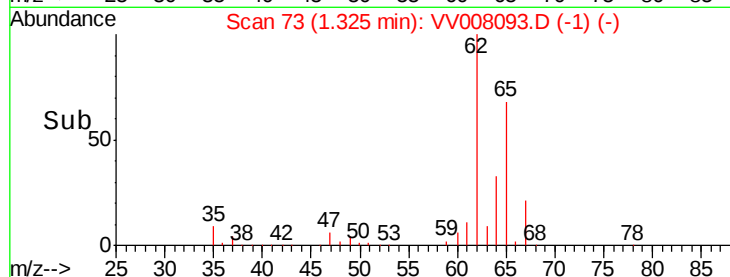
100000

50000

0

Time-->

1.30 1.40



#6

Bromomethane

Concen: 13.275 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008093.D

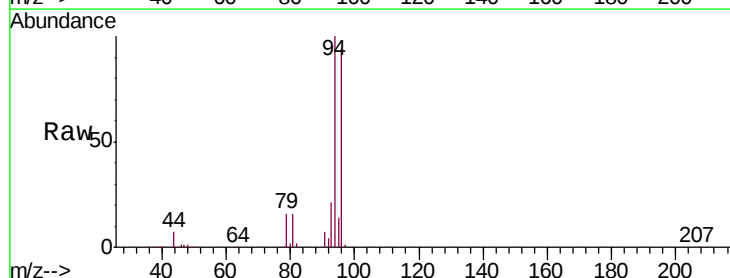
Acq: 05 Oct 2018 12:43

Tgt Ion: 94 Resp: 64086

Ion Ratio Lower Upper

94 100

96 94.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

60000

50000

40000

30000

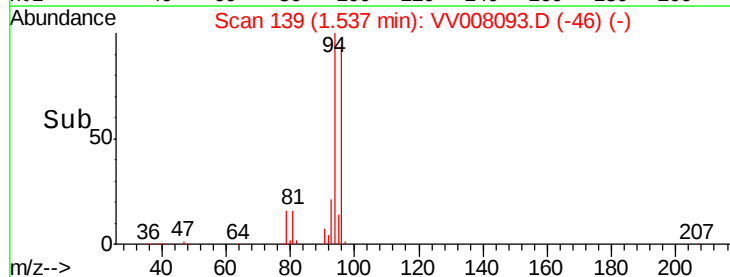
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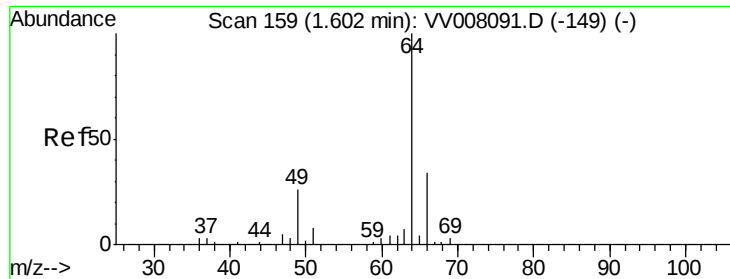
10000

0

Time-->

1.45 1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 15.092 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

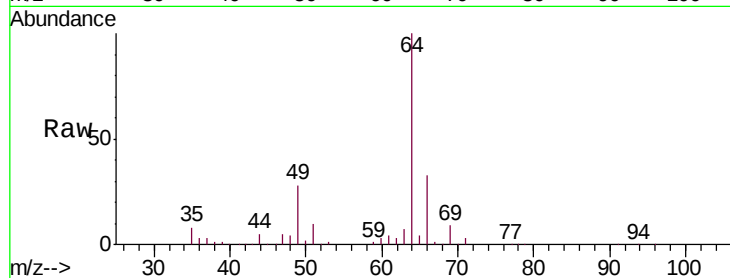
VSTD02073

Tgt Ion: 64 Resp: 75409

Ion Ratio Lower Upper

64 100

66 32.5 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008091.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV008091.D (-149) (-)

1.60

60000

40000

20000

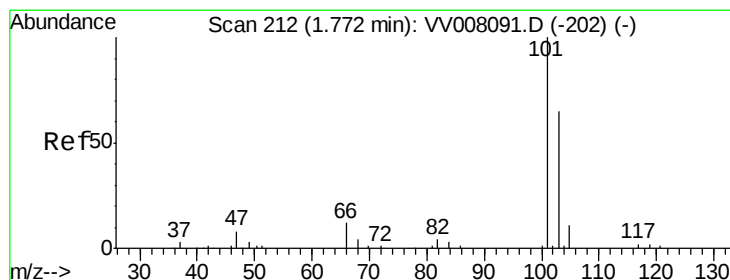
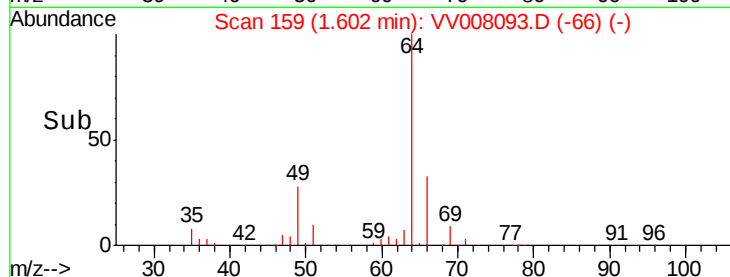
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Time-->

1.50

1.60

1.70



#9

Trichlorofluoromethane

Concen: 16.606 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008093.D

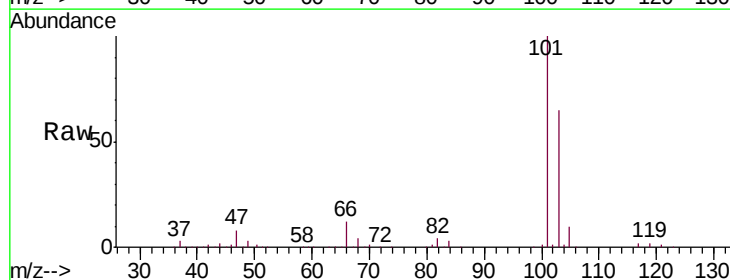
Acq: 05 Oct 2018 12:43

Tgt Ion: 101 Resp: 223202

Ion Ratio Lower Upper

101 100

103 65.1 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008091.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008091.D (-202) (-)

1.77

200000

150000

100000

50000

0

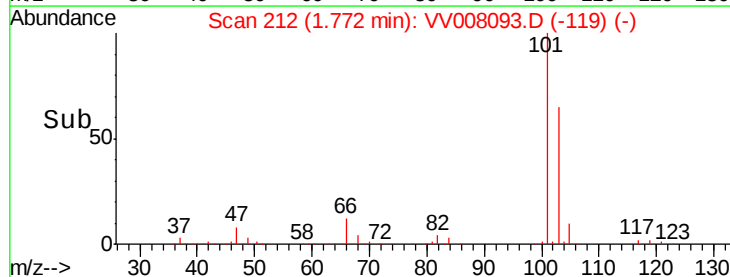
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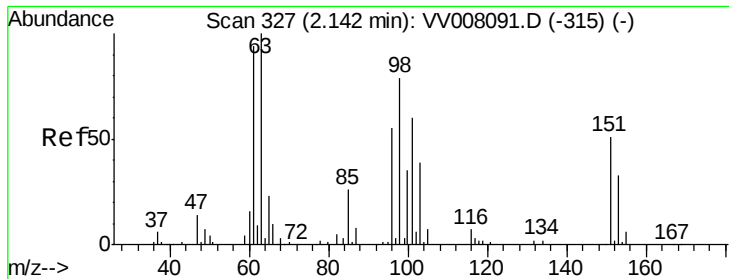
1.70

1.75

1.80

1.85





#10

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

Concen: 17.119 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

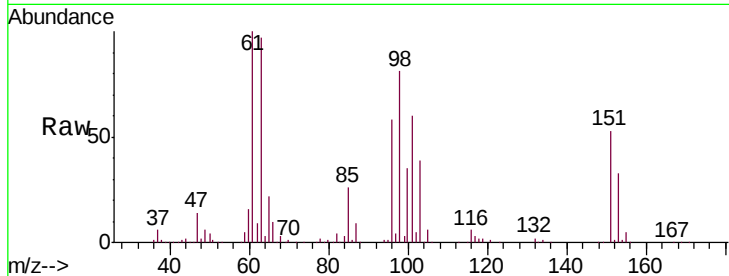
Tgt Ion: 101 Resp: 131776

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.0

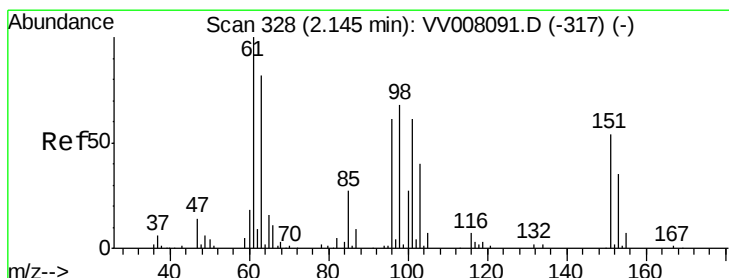
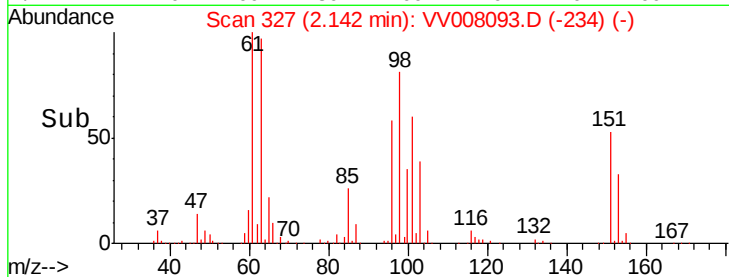
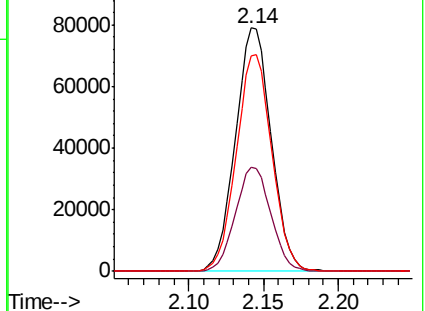
151 88.4 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): VV008093.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV008093.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV008093.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 16.529 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

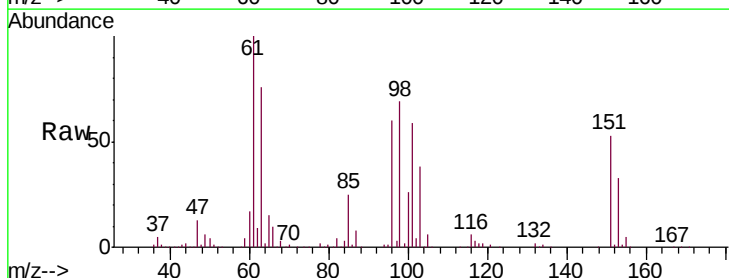
Tgt Ion: 96 Resp: 112847

Ion Ratio Lower Upper

96 100

61 166.6 114.7 213.1

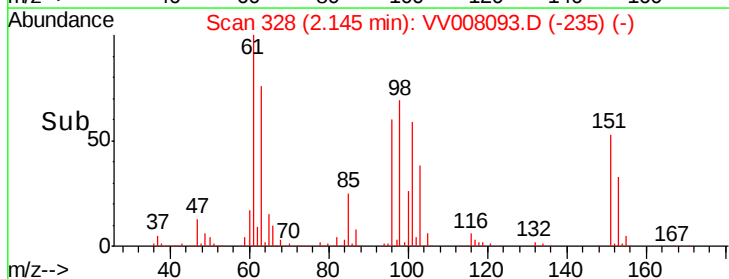
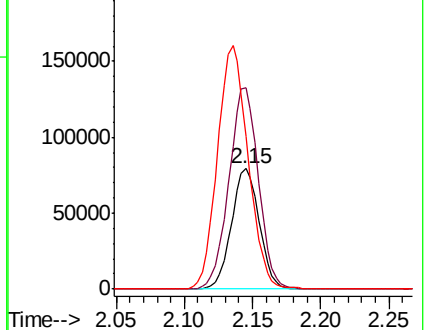
63 127.0 96.9 179.9

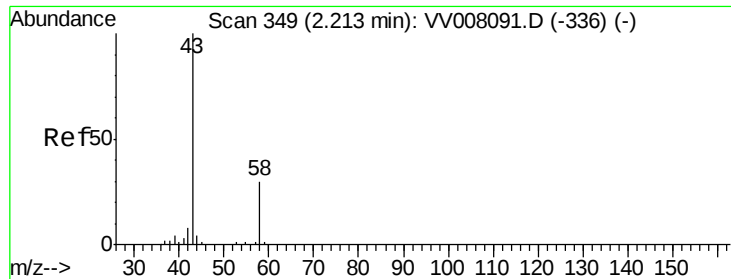


Abundance Ion 96.00 (95.70 to 96.70): VV008093.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008093.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008093.D (-235) (-)





#13

Acetone

Concen: 153.799 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampled :

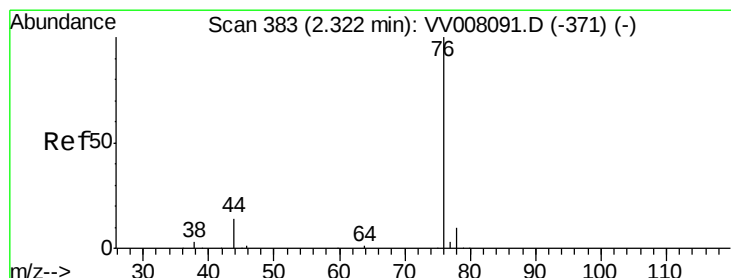
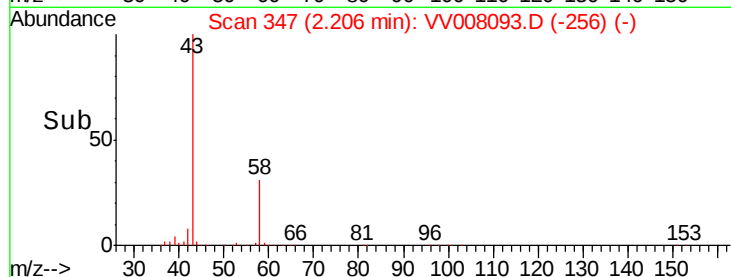
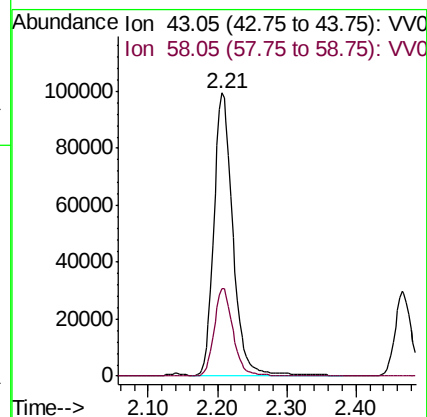
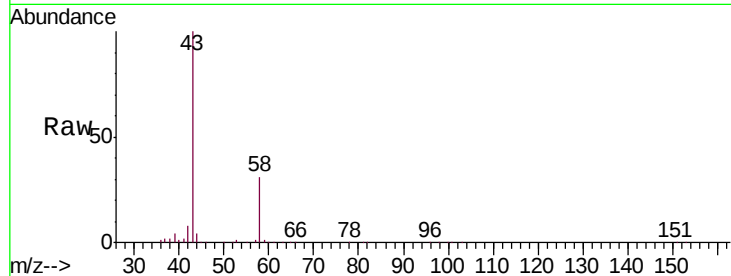
VSTD02073

Tgt Ion: 43 Resp: 187310

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.2



#14

Carbon disulfide

Concen: 15.565 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008093.D

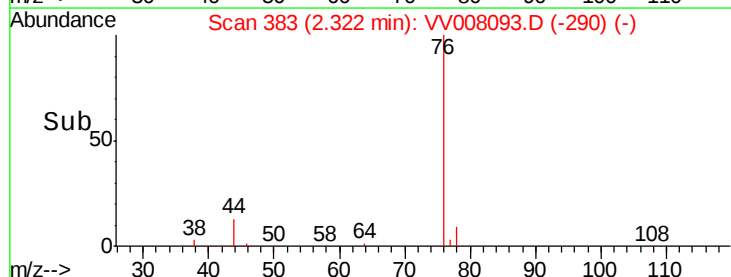
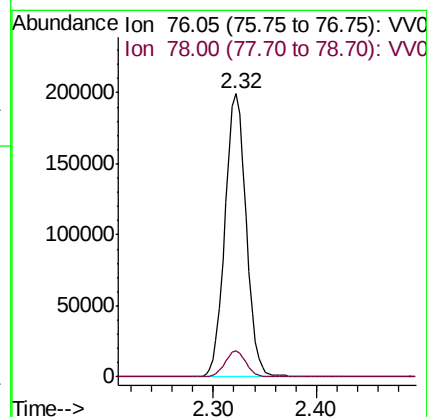
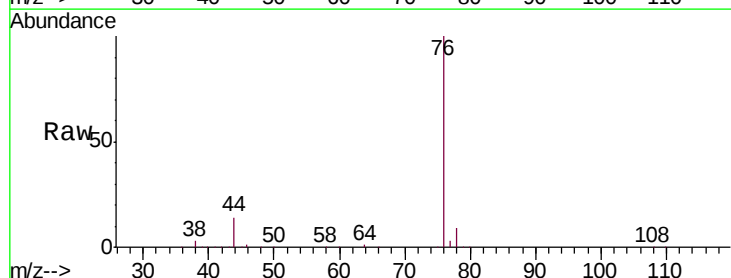
Acq: 05 Oct 2018 12:43

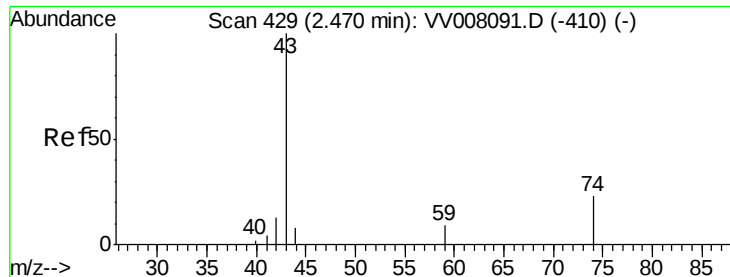
Tgt Ion: 76 Resp: 285795

Ion Ratio Lower Upper

76 100

78 9.2 8.0 12.0





#15

Methyl Acetate

Concen: 15.424 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

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ClientSampleId :

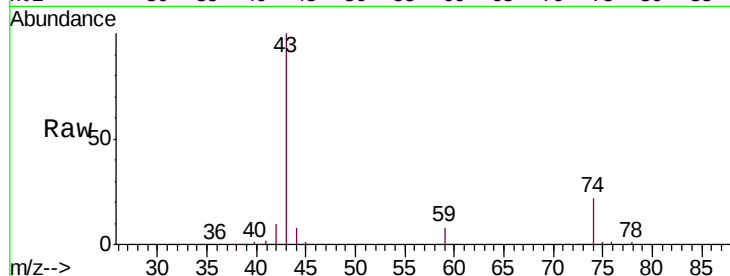
VSTD02073

Tgt Ion: 43 Resp: 48663

Ion Ratio Lower Upper

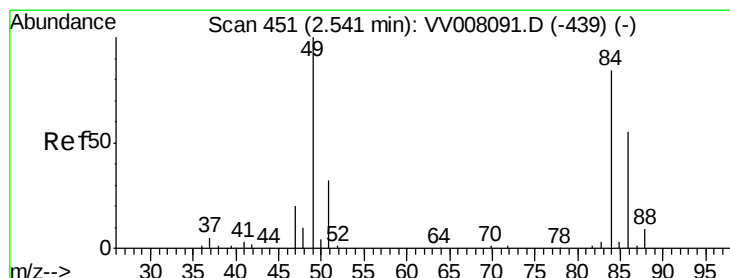
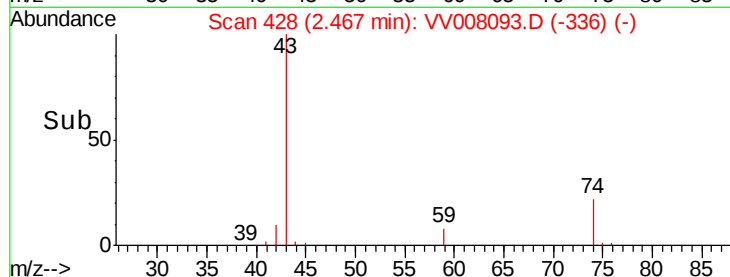
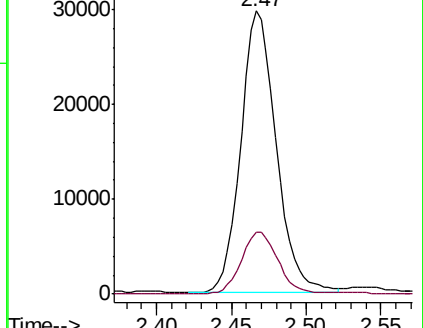
43 100

74 23.0 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-410) (-)

Ion 74.05 (73.75 to 74.75): VV008091.D (-410) (-)



#16

Methylene chloride

Concen: 15.569 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

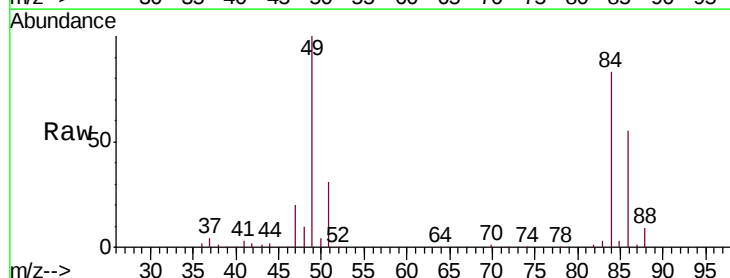
Tgt Ion: 84 Resp: 119137

Ion Ratio Lower Upper

84 100

86 65.3 45.3 84.1

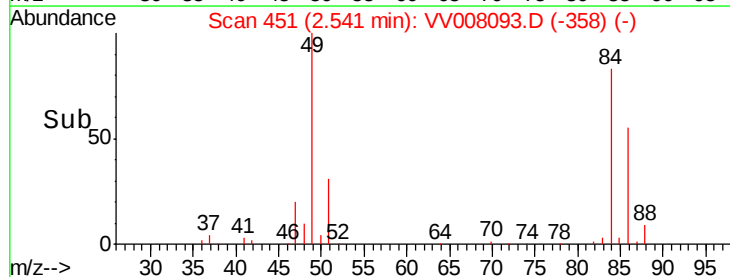
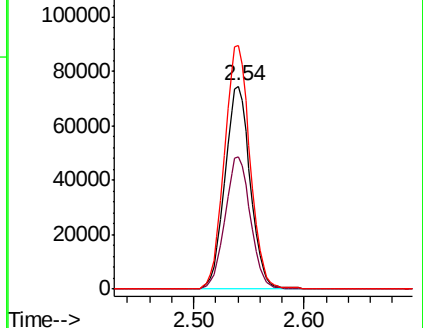
49 119.8 83.0 154.1

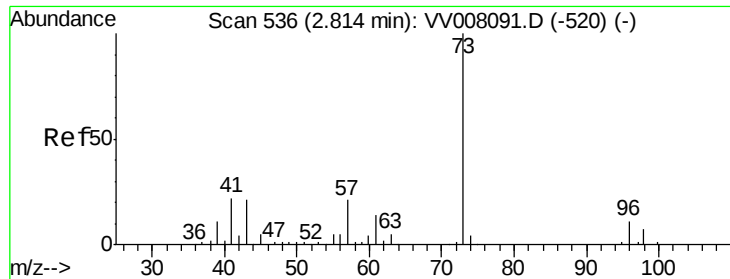


Abundance Ion 84.05 (83.75 to 84.75): VV008091.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV008091.D (-439) (-)

Ion 49.10 (48.80 to 49.80): VV008091.D (-439) (-)





#17

Methyl tert-butyl Ether

Concen: 16.701 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

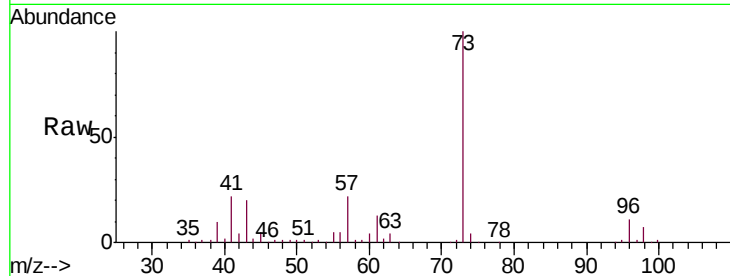
Tgt Ion: 73 Resp: 283637

Ion Ratio Lower Upper

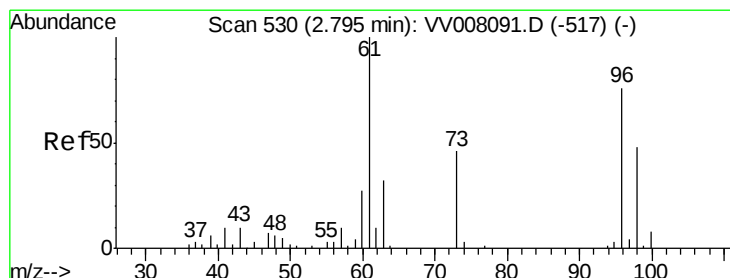
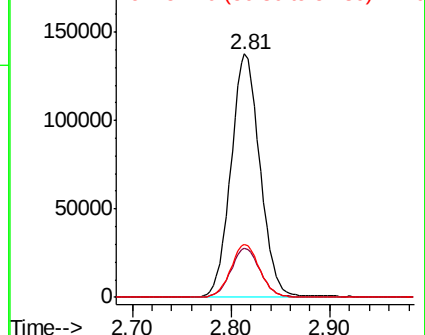
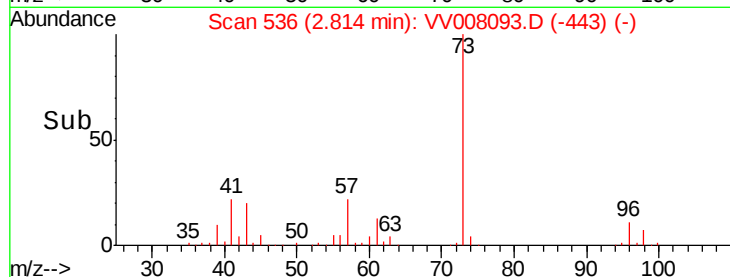
73 100

43 20.1 17.0 25.4

57 21.5 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV008093.D (-443) (-)



#18

trans-1,2-Dichloroethene

Concen: 16.146 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

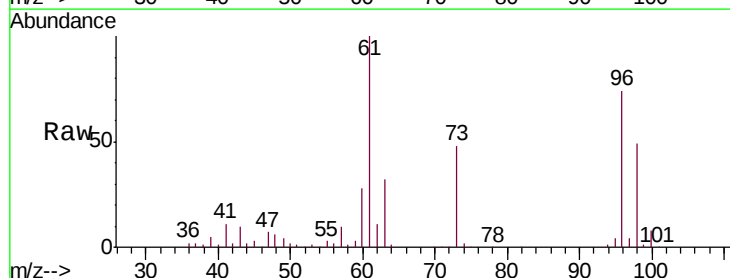
Tgt Ion: 96 Resp: 121497

Ion Ratio Lower Upper

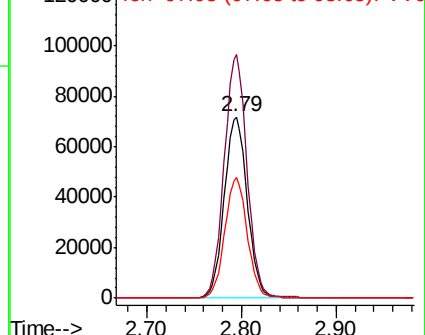
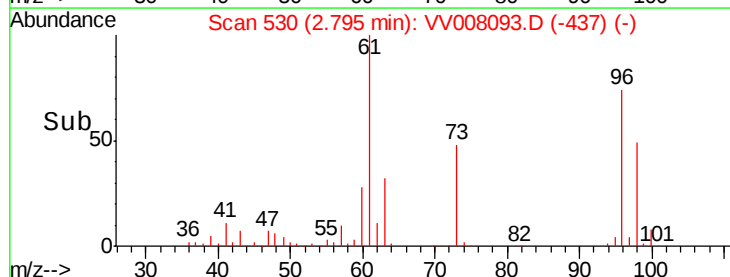
96 100

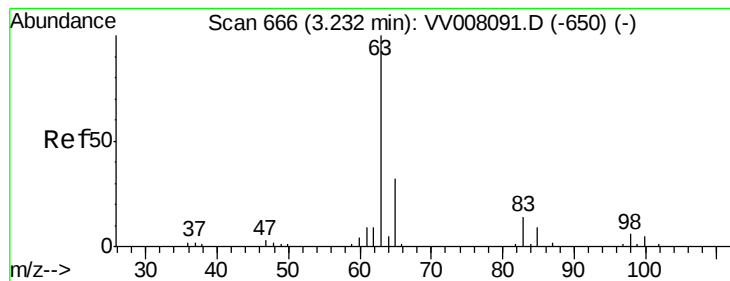
61 134.4 91.6 170.2

98 66.4 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV008093.D (-437) (-)





#19

1,1-Dichloroethane

Concen: 18.120 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

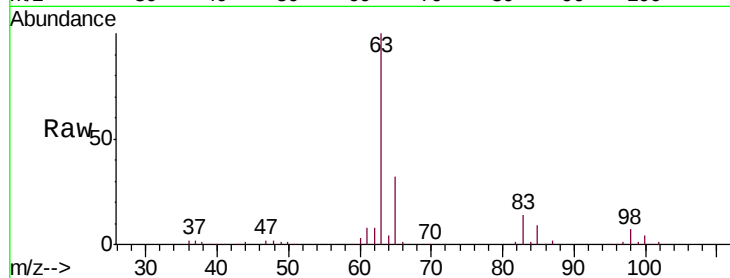
Tgt Ion: 63 Resp: 235140

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

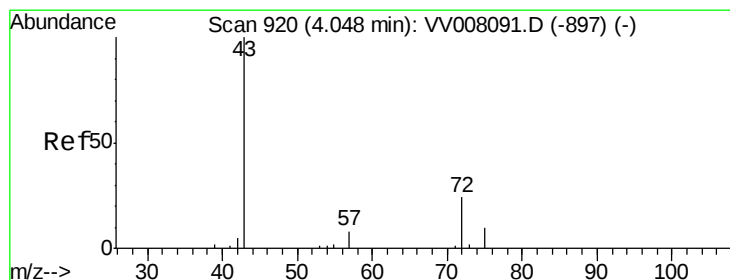
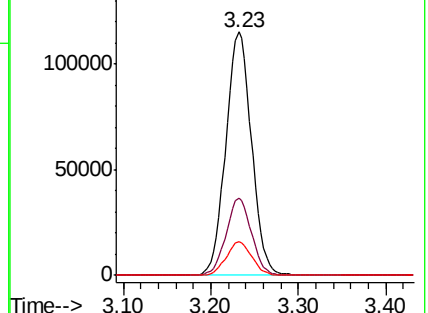
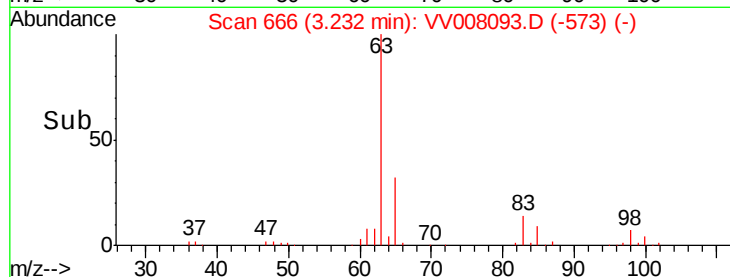
83 13.8 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VV008093.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV008093.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008093.D (-650) (-)



#21

2-Butanone

Concen: 175.743 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.01 min

Lab File: VV008093.D

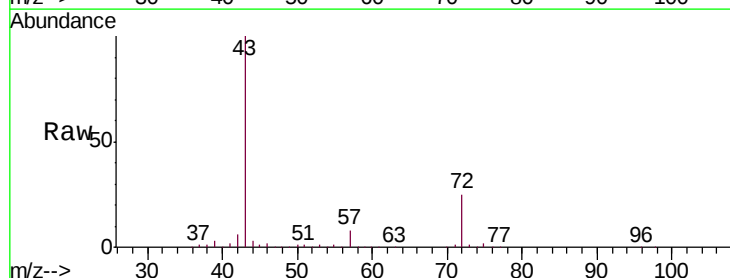
Acq: 05 Oct 2018 12:43

Tgt Ion: 43 Resp: 344014

Ion Ratio Lower Upper

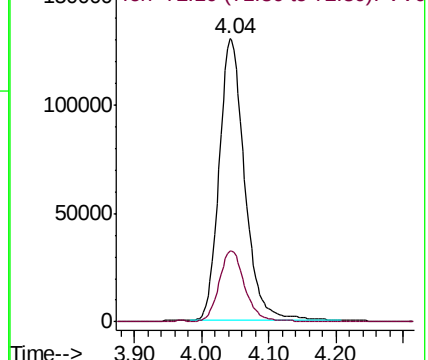
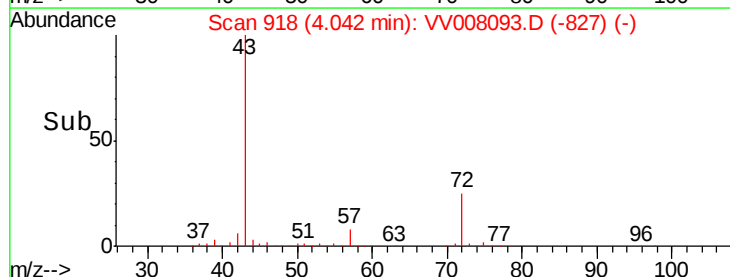
43 100

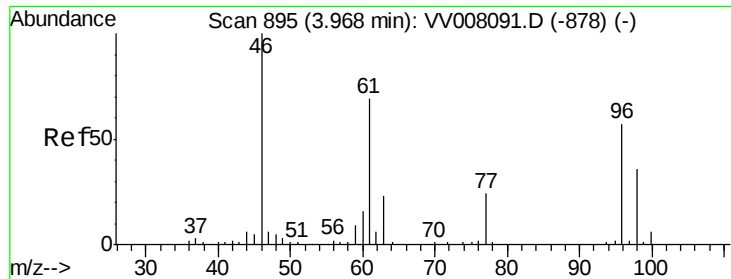
72 25.2 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VV008093.D (-827) (-)

Ion 72.10 (71.80 to 72.80): VV008093.D (-827) (-)



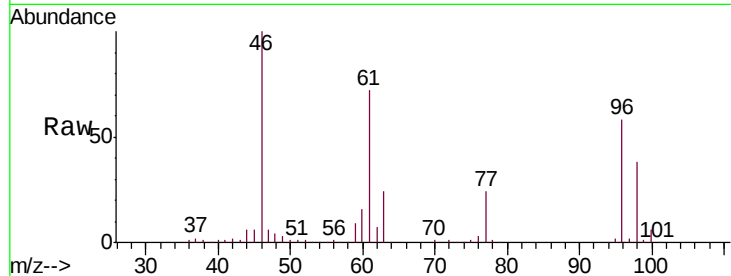


#22

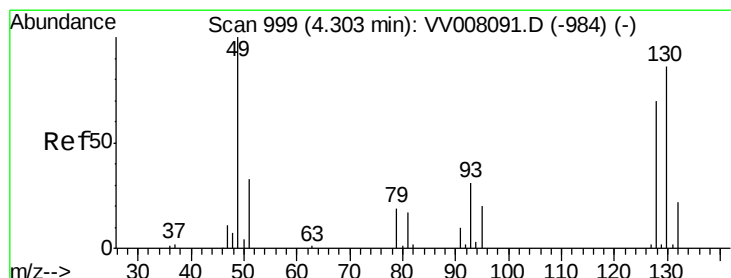
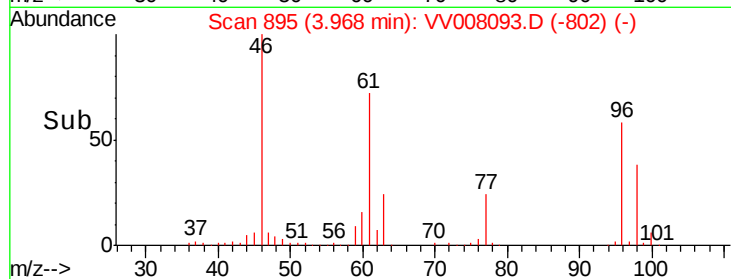
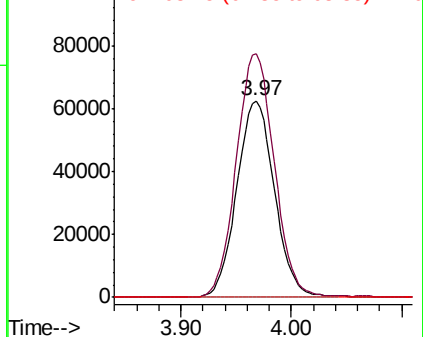
cis-1,2-Dichloroethene
 Concen: 19.107 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02073

Tgt Ion: 96 Resp: 147862
 Ion Ratio Lower Upper
 96 100
 61 124.0 85.1 158.1
 68 0.0 0.0 0.0



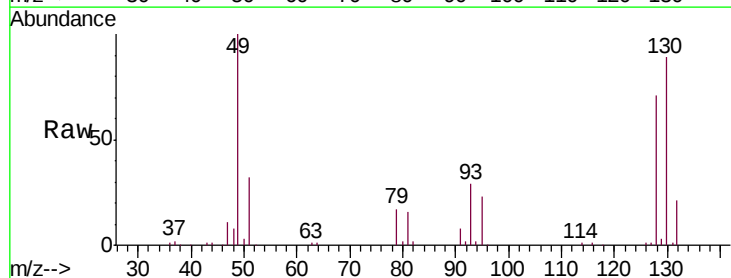
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



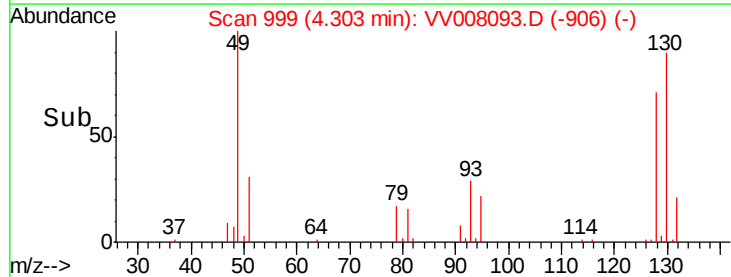
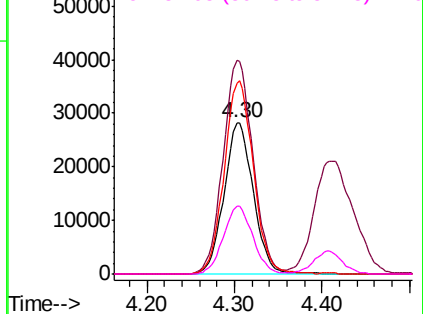
#23

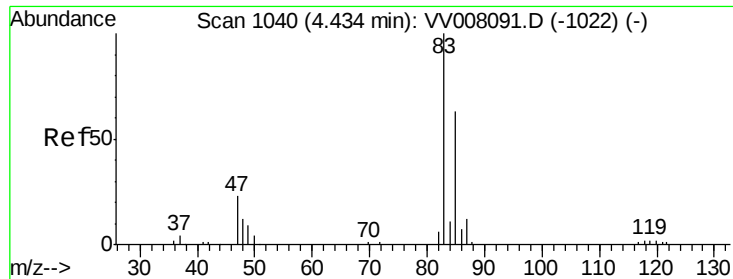
Bromochloromethane
 Concen: 19.132 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion: 128 Resp: 65354
 Ion Ratio Lower Upper
 128 100
 49 141.3 99.8 185.3
 130 126.0 85.5 158.7
 51 44.6 38.0 57.0



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

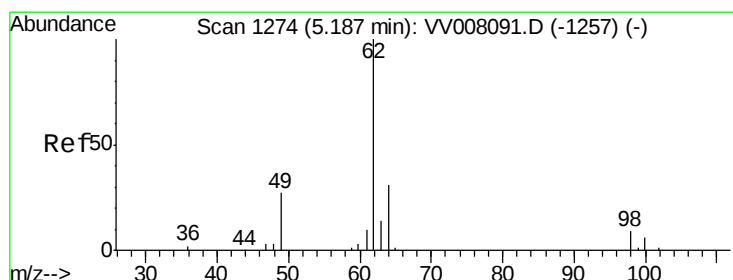
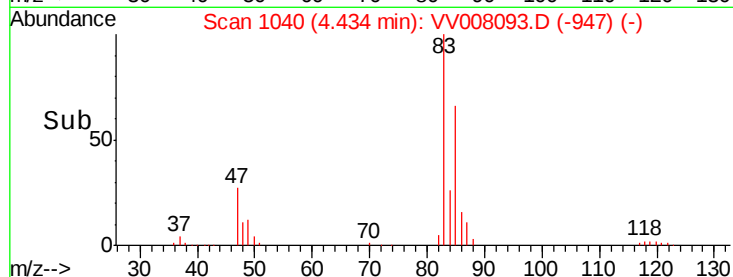
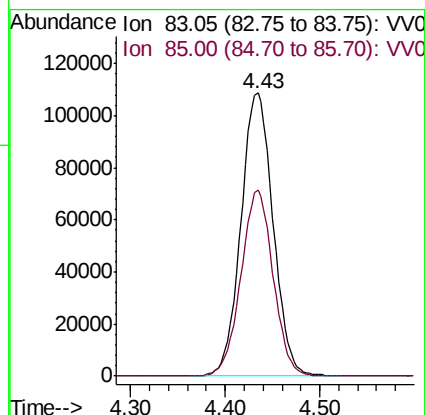
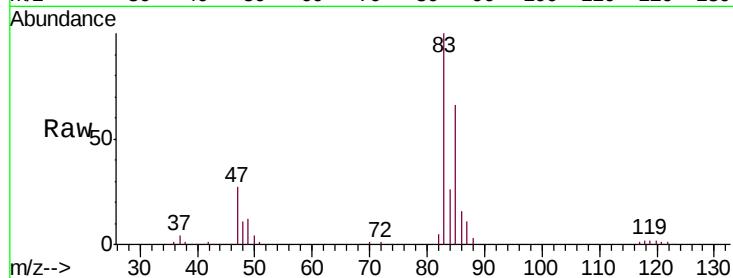




#25
Chloroform
Concen: 18.176 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008093.D
Acq: 05 Oct 2018 12:43

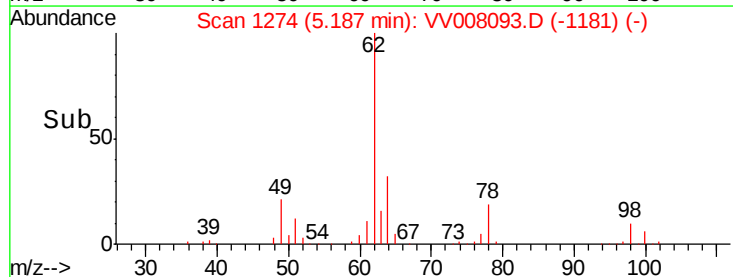
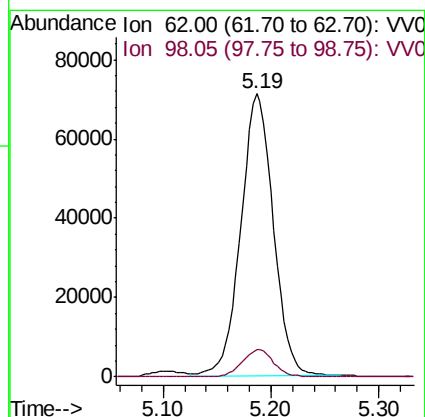
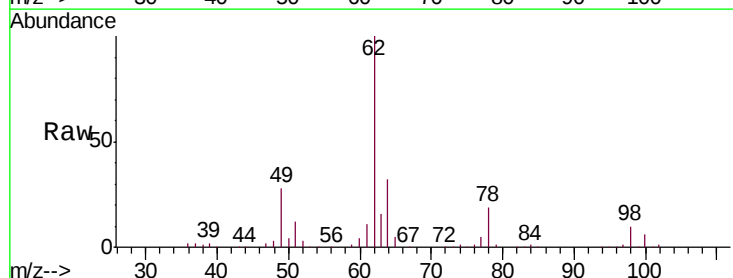
Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

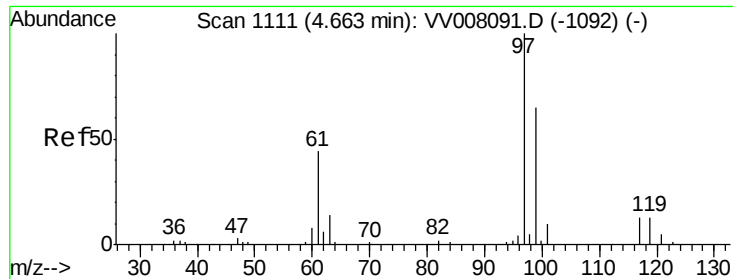
Tgt Ion: 83 Resp: 256557
Ion Ratio Lower Upper
83 100
85 65.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 16.729 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008093.D
Acq: 05 Oct 2018 12:43

Tgt Ion: 62 Resp: 149251
Ion Ratio Lower Upper
62 100
98 9.8 7.3 10.9

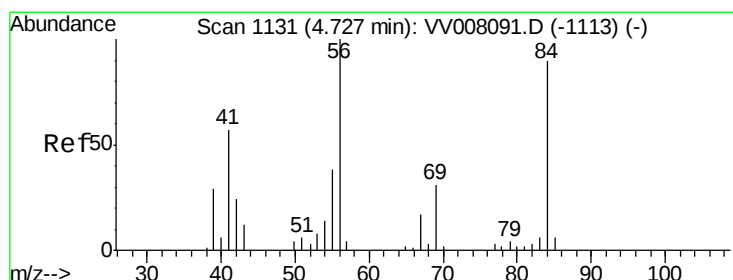
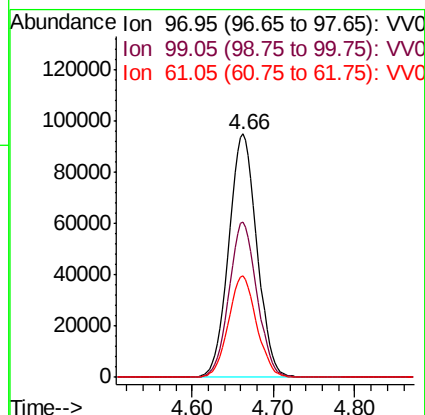
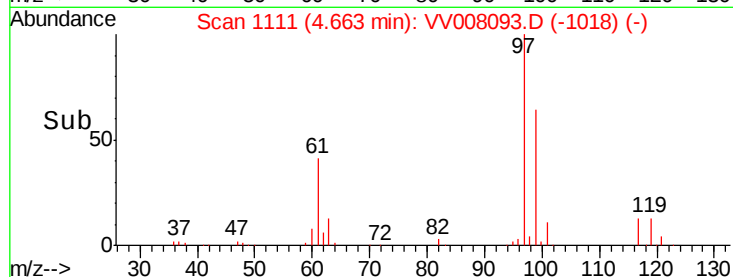
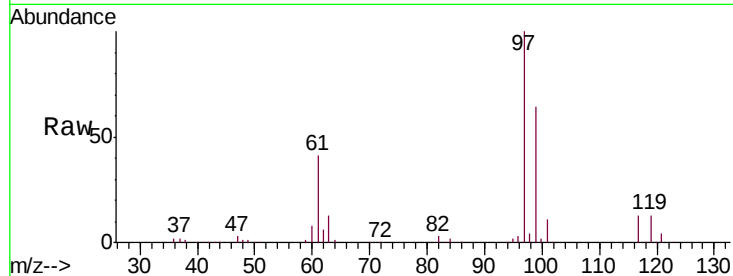




#29
 1,1,1-Trichloroethane
 Concen: 18.976 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

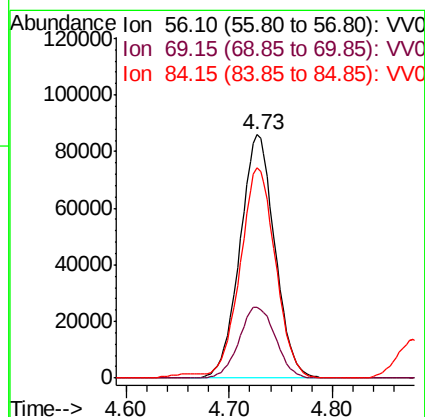
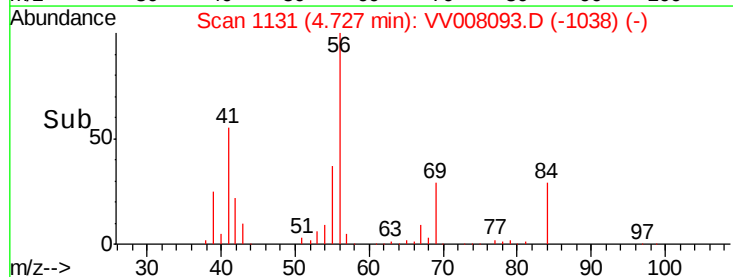
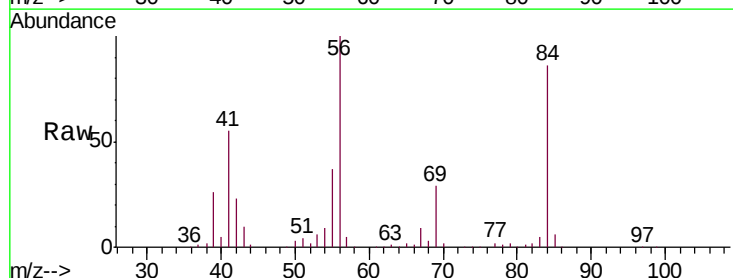
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

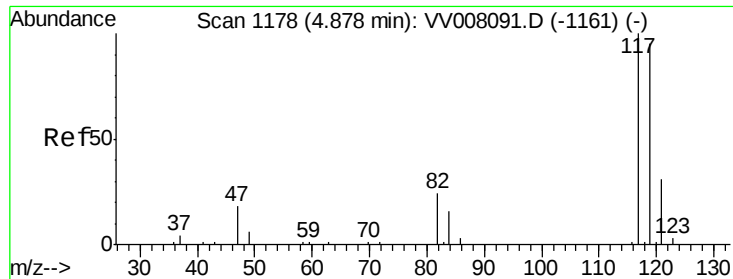
Tgt Ion: 97 Resp: 230372
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.4
 61 41.6 34.0 51.0



#30
 Cyclohexane
 Concen: 18.126 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion: 56 Resp: 202141
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.6 36.8
 84 87.8 70.7 106.1





#31

Carbon tetrachloride

Concen: 19.419 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

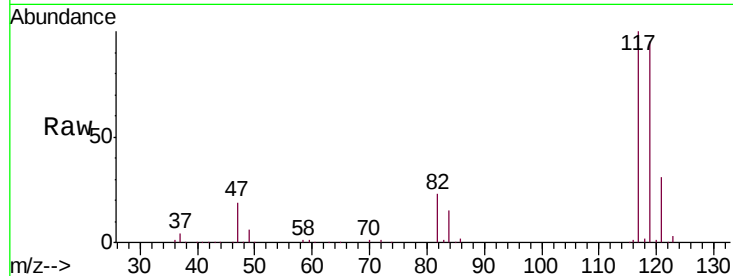
VSTD02073

Tgt Ion:117 Resp: 208204

Ion Ratio Lower Upper

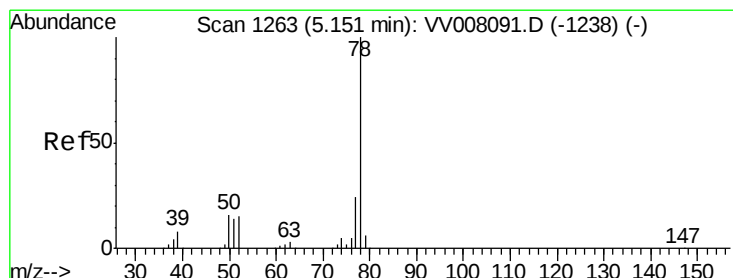
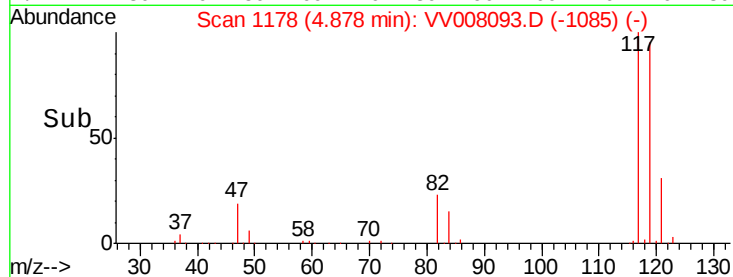
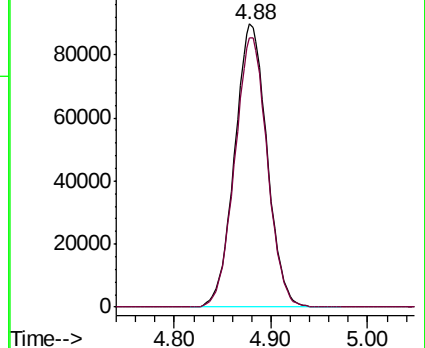
117 100

119 95.7 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.791 ug/L

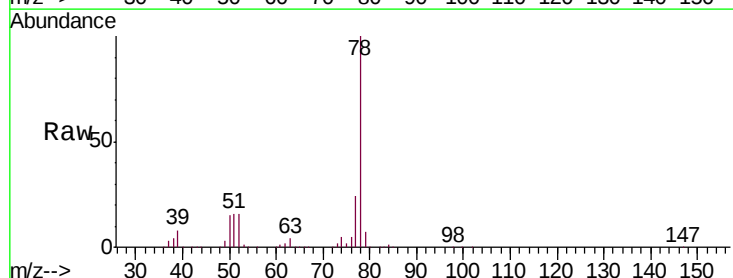
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

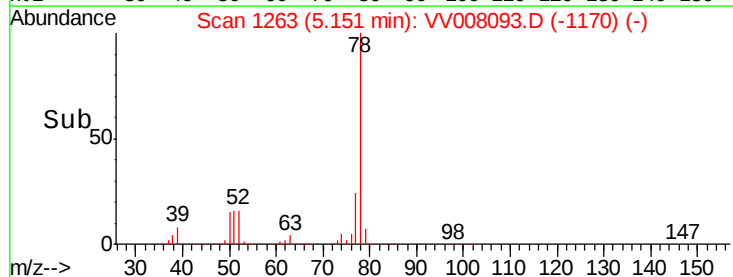
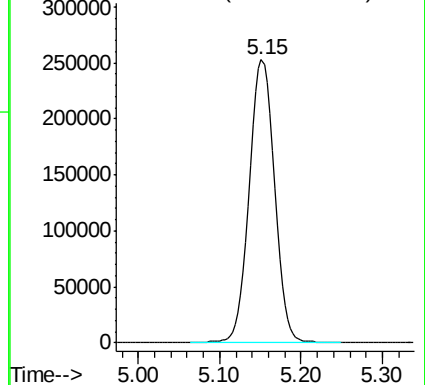
Lab File: VV008093.D

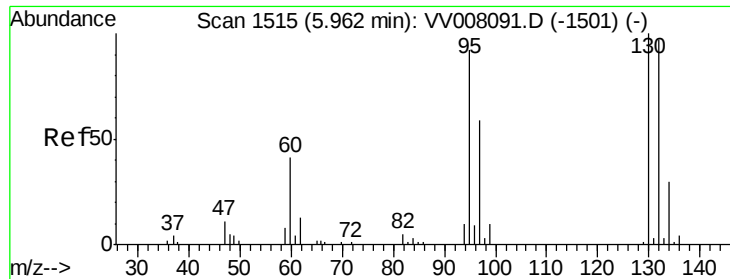
Acq: 05 Oct 2018 12:43

Tgt Ion: 78 Resp: 540454



Abundance Ion 78.10 (77.80 to 78.80): VV0

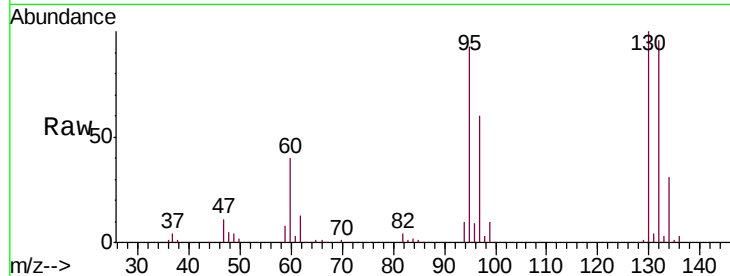




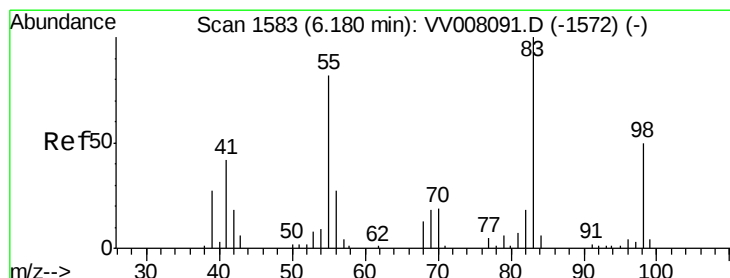
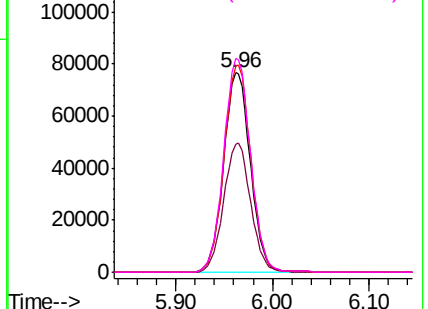
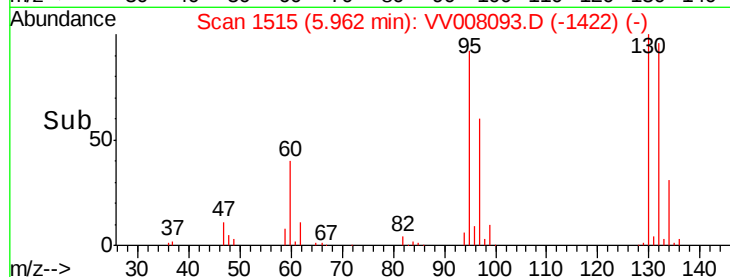
#34
 Trichloroethene
 Concen: 17.935 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

Tgt Ion: 95 Resp: 147207
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.9 83.5
 132 103.2 73.6 136.6
 130 107.1 76.2 141.6

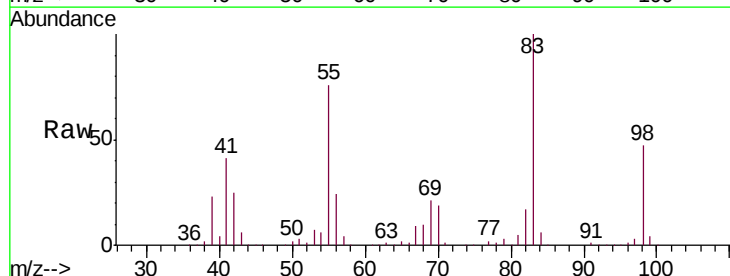


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

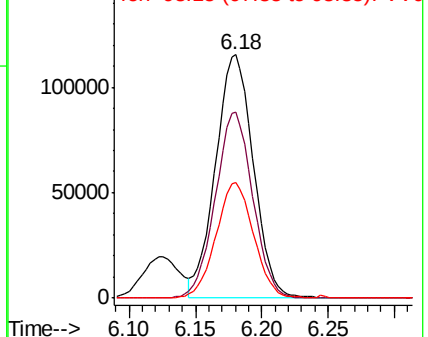
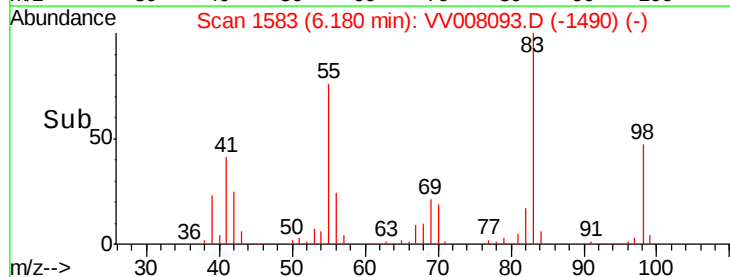


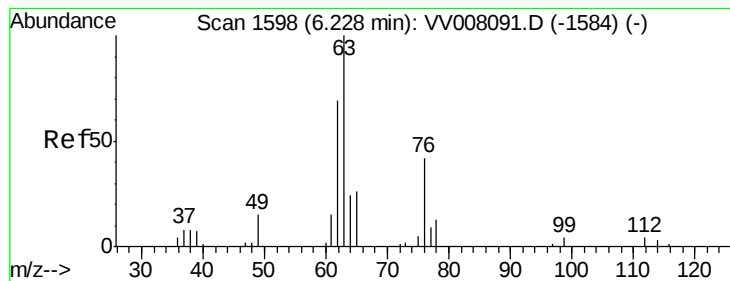
#35
 Methylcyclohexane
 Concen: 18.810 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion: 83 Resp: 228501
 Ion Ratio Lower Upper
 83 100
 55 75.9 63.6 95.4
 98 47.3 38.3 57.5



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 19.015 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

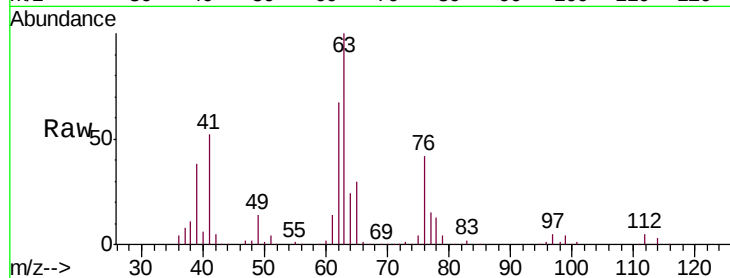
VSTD02073

Tgt Ion: 63 Resp: 141148

Ion Ratio Lower Upper

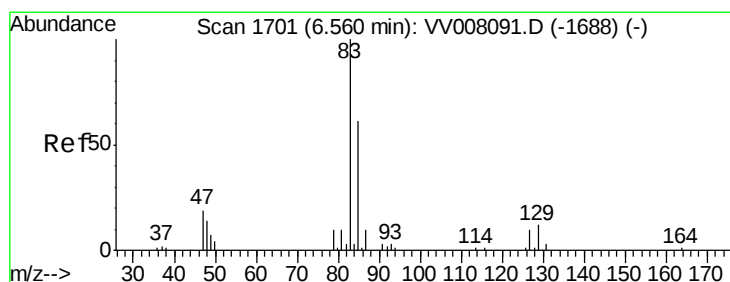
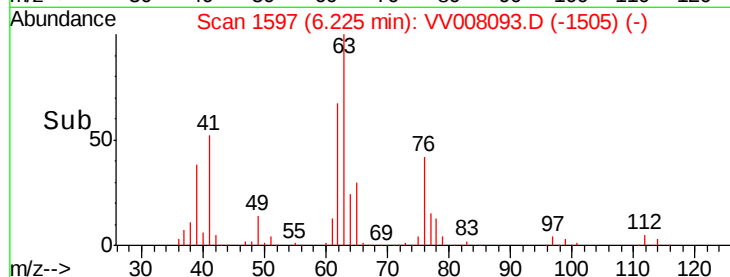
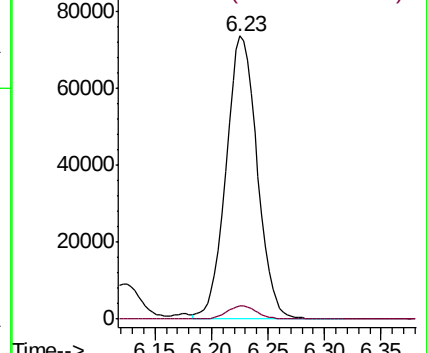
63 100

112 4.5 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VV008093.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV008093.D (-1584) (-)



#38

Bromodichloromethane

Concen: 20.205 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

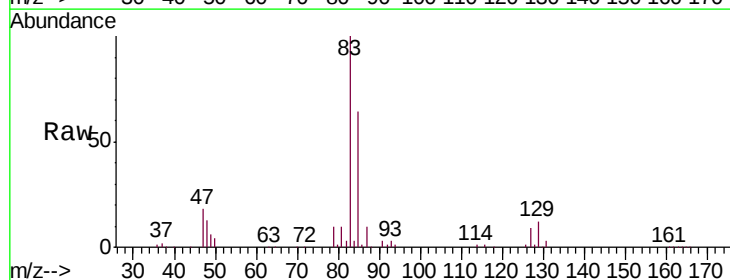
Tgt Ion: 83 Resp: 179398

Ion Ratio Lower Upper

83 100

85 64.4 42.5 78.9

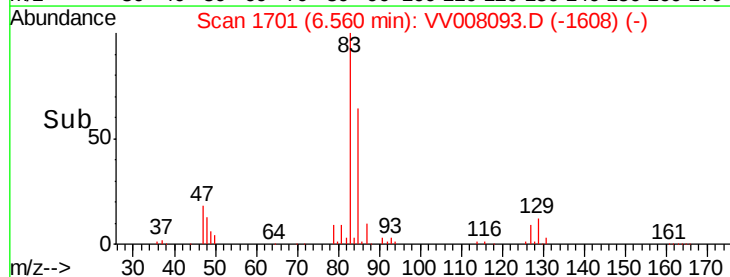
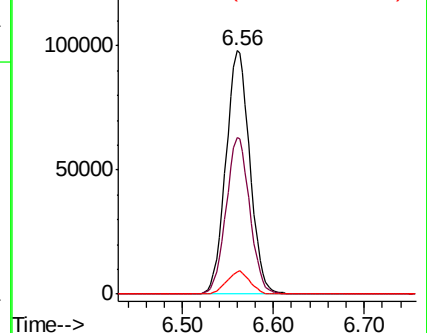
127 9.2 7.7 11.5

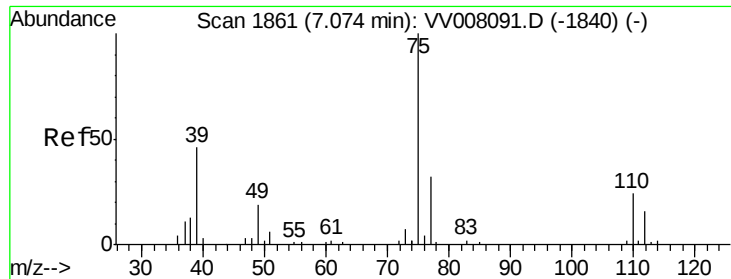


Abundance Ion 82.95 (82.65 to 83.65): VV008093.D (-1688) (-)

Ion 85.00 (84.70 to 85.70): VV008093.D (-1688) (-)

Ion 126.90 (126.60 to 127.60): VV008093.D (-1688) (-)

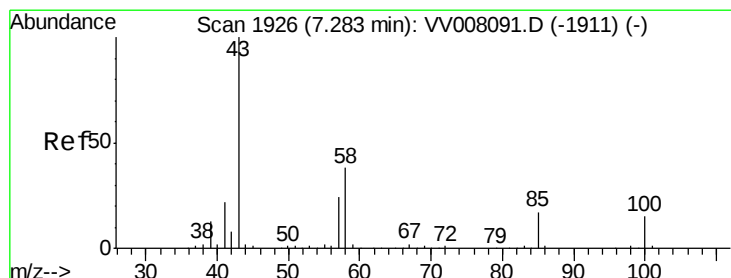
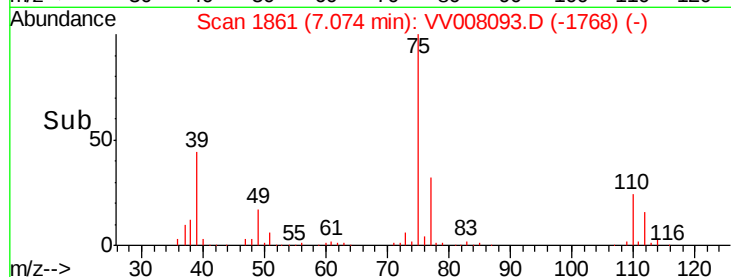
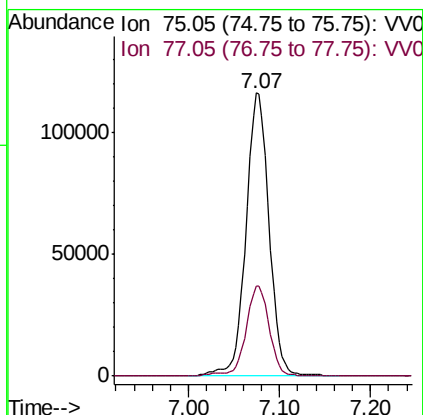
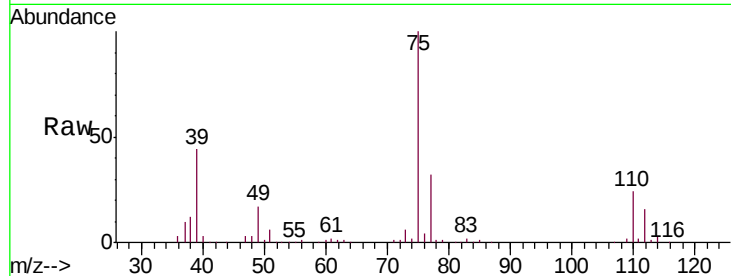




#39
 cis-1,3-Dichloropropene
 Concen: 20.864 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

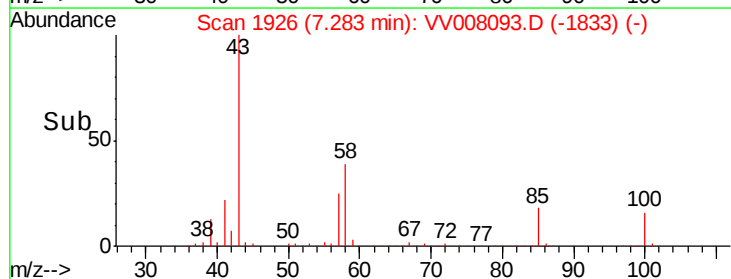
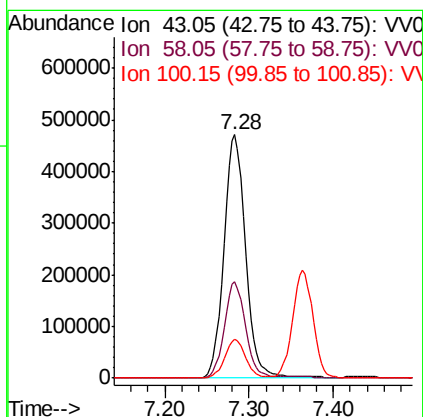
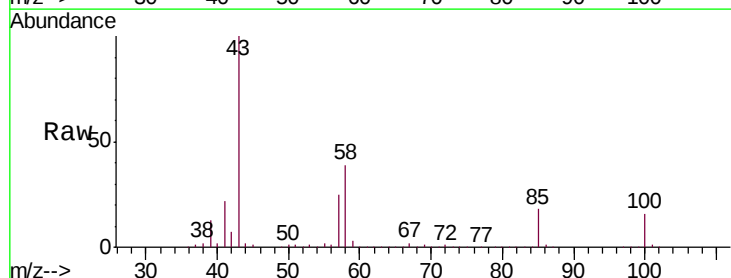
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02073

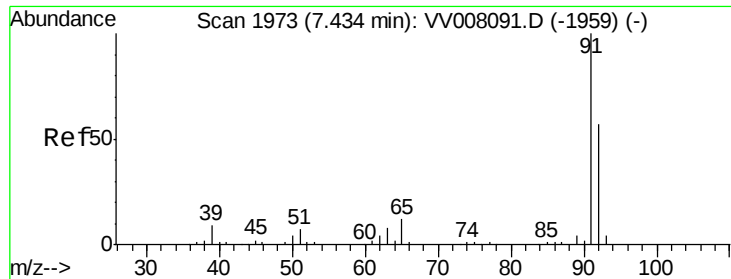
Tgt Ion: 75 Resp: 205980
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 182.971 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion: 43 Resp: 843325
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.8 44.8
 100 15.3 11.6 17.4





#42

Toluene

Concen: 19.225 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

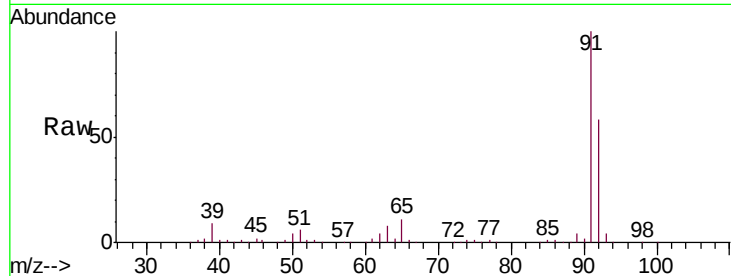
VSTD02073

Tgt Ion: 91 Resp: 601785

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008091.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008091.D (-1959) (-)

7.43

400000

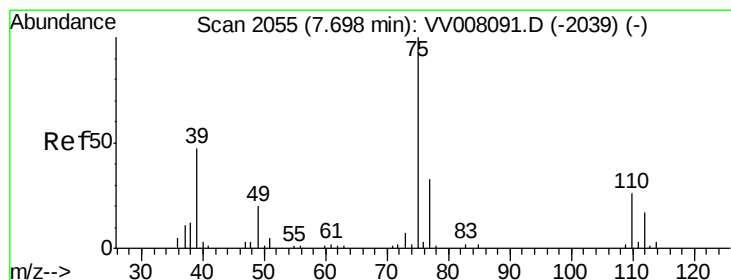
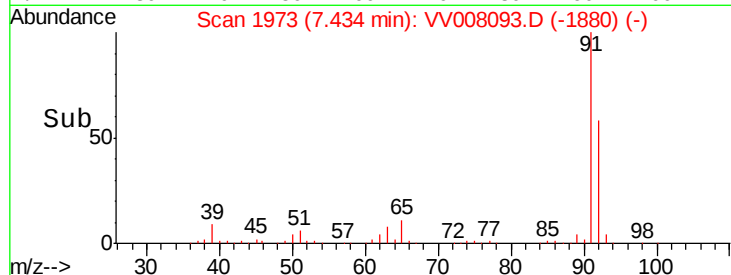
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.963 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008093.D

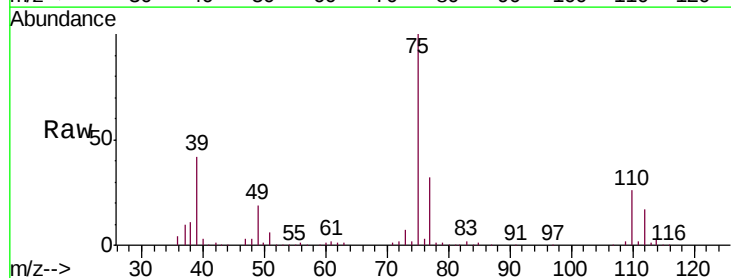
Acq: 05 Oct 2018 12:43

Tgt Ion: 75 Resp: 171359

Ion Ratio Lower Upper

75 100

77 32.0 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008091.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV008091.D (-2039) (-)

7.70

120000

100000

80000

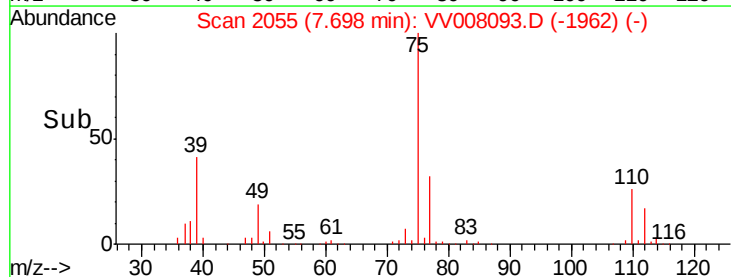
60000

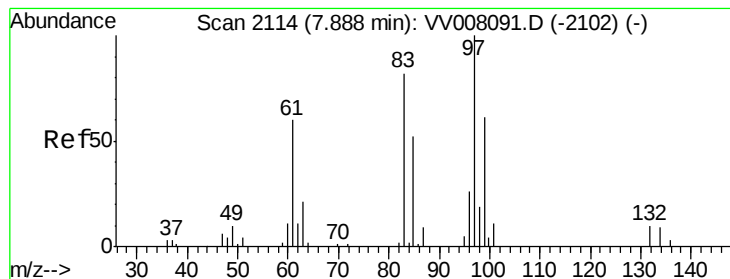
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 18.613 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

Tgt Ion: 97 Resp: 100124

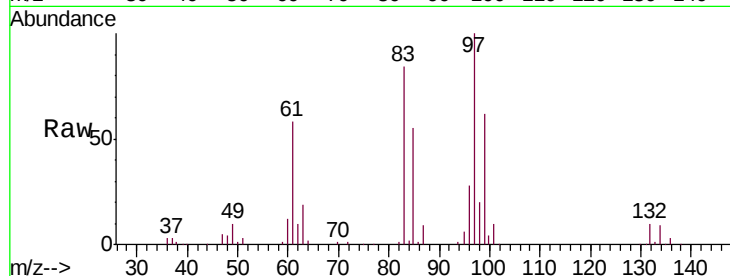
Ion Ratio Lower Upper

97 100

99 62.2 42.6 79.0

83 83.9 57.5 106.7

85 54.8 36.5 67.7

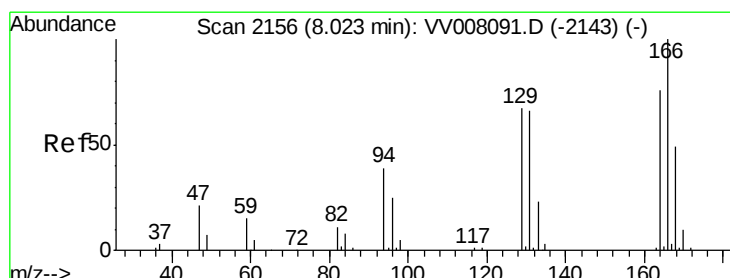
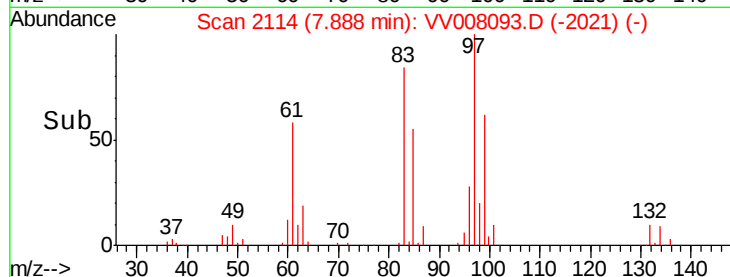
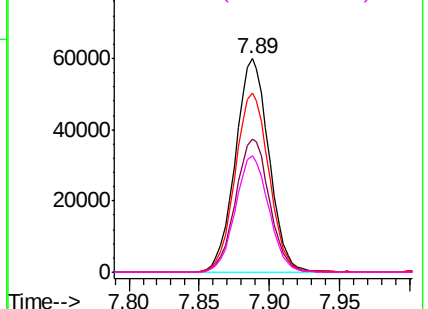


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 18.062 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Tgt Ion: 164 Resp: 137032

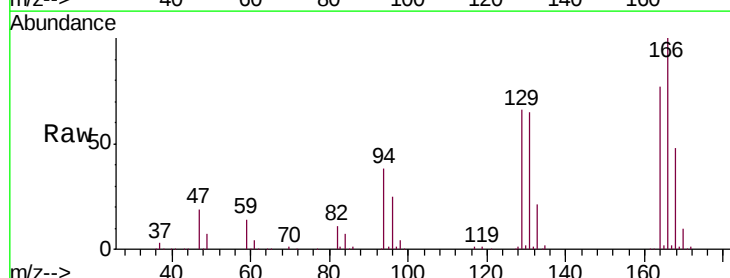
Ion Ratio Lower Upper

164 100

129 86.5 62.2 115.4

131 85.2 60.5 112.5

166 130.5 92.1 171.1

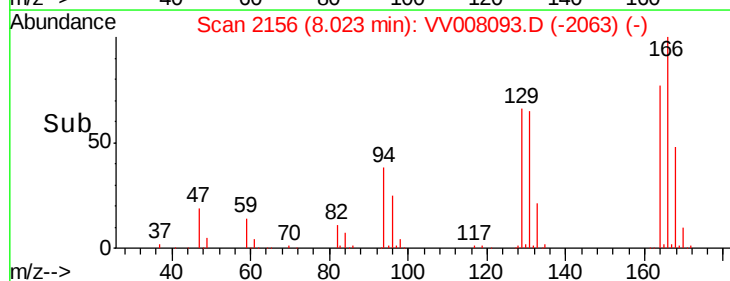
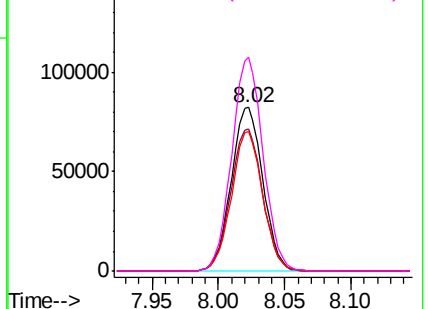


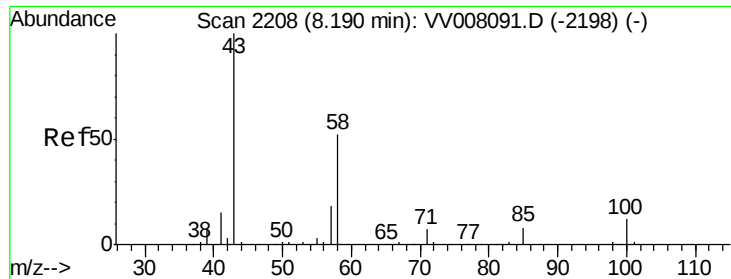
Abundance Ion 163.90 (163.60 to 164.60): V

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

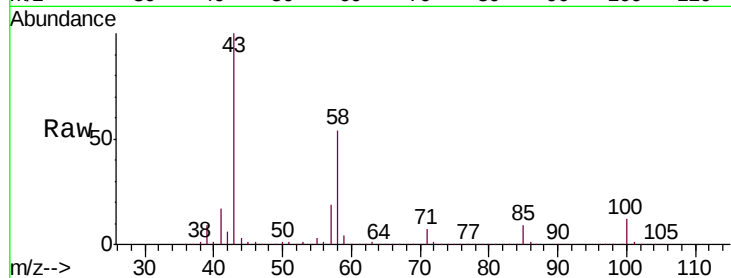




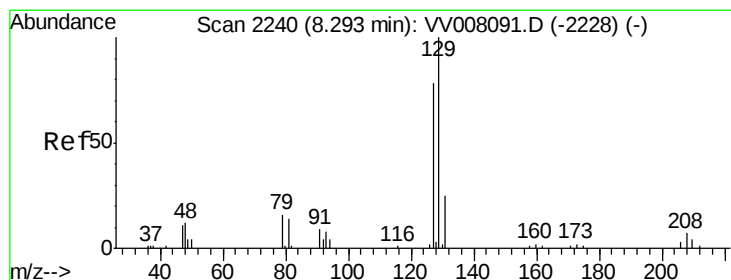
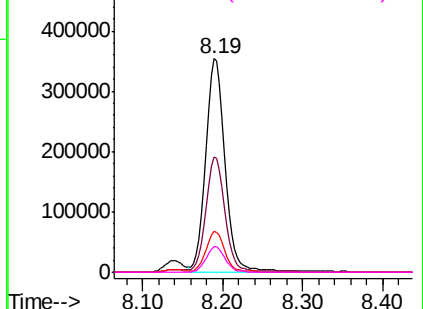
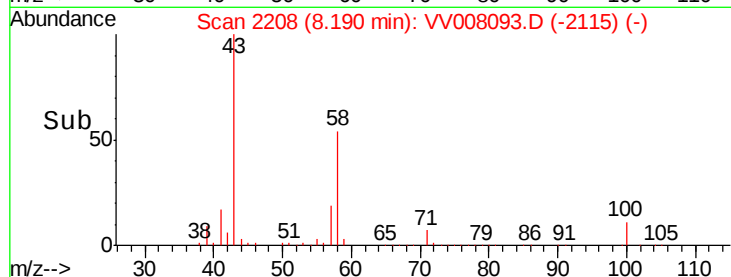
#48
2-Hexanone
Concen: 186.326 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008093.D
Acq: 05 Oct 2018 12:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

Tgt Ion:	43	Resp:	597141
Ion	Ratio	Lower	Upper
43	100		
58	52.9	40.5	60.7
57	19.1	14.6	22.0
100	12.1	9.3	13.9

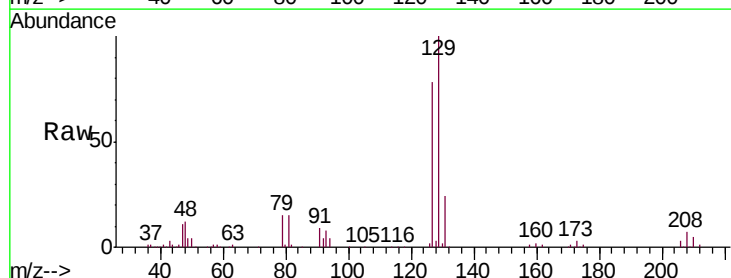


Abundance Ion 43.05 (42.75 to 43.75): VV008093.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV008093.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV008093.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV008093.D (-2115) (-)

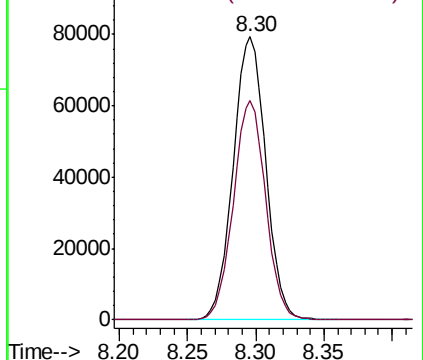
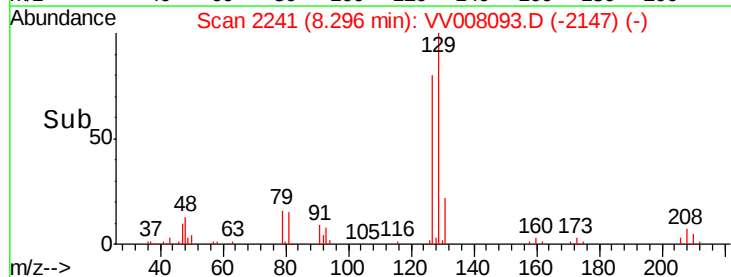


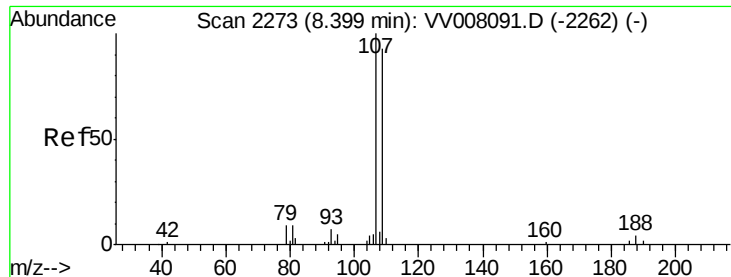
#49
Dibromochloromethane
Concen: 21.348 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008093.D
Acq: 05 Oct 2018 12:43

Tgt Ion:	129	Resp:	131809
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV008093.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV008093.D (-2147) (-)

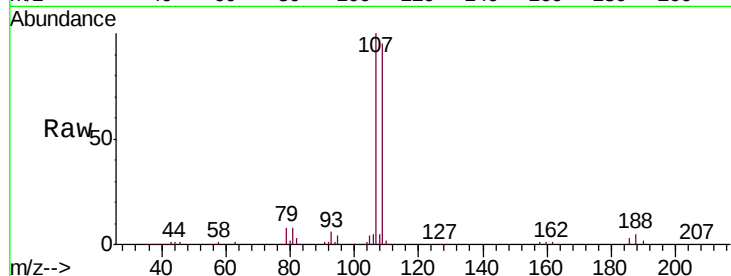




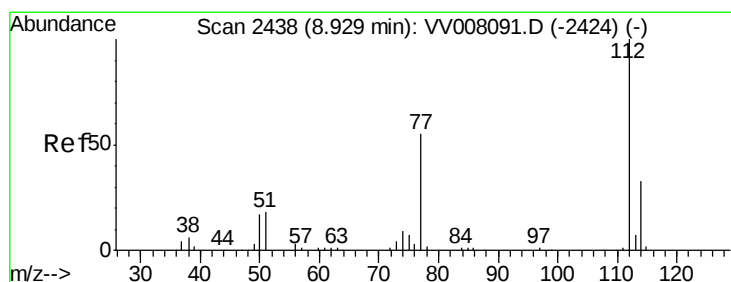
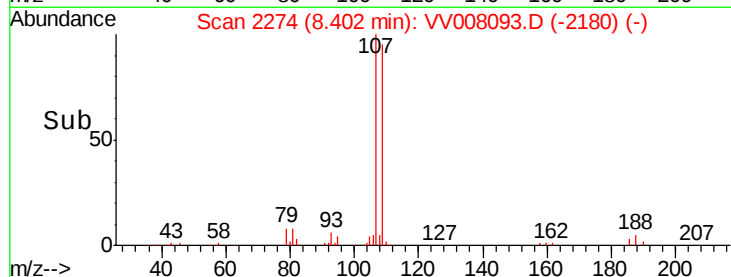
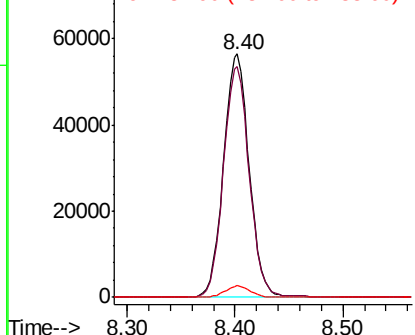
#50
1,2-Dibromoethane
Concen: 19.248 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008093.D
Acq: 05 Oct 2018 12:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

Tgt Ion:107 Resp: 93713
Ion Ratio Lower Upper
107 100
109 94.8 65.5 121.6
188 4.6 3.5 5.3

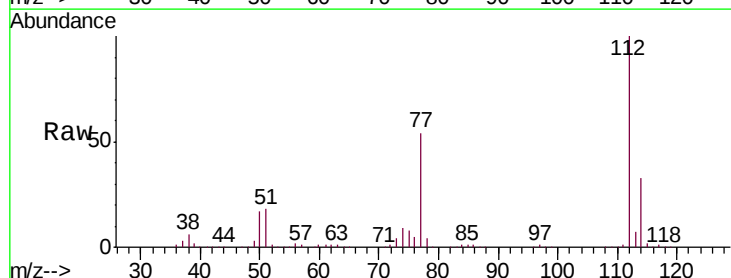


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

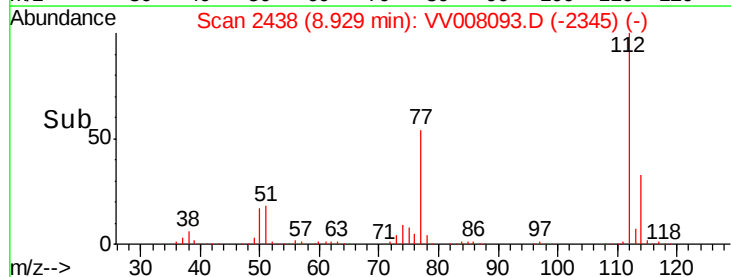
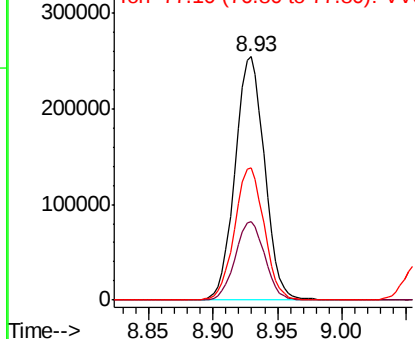


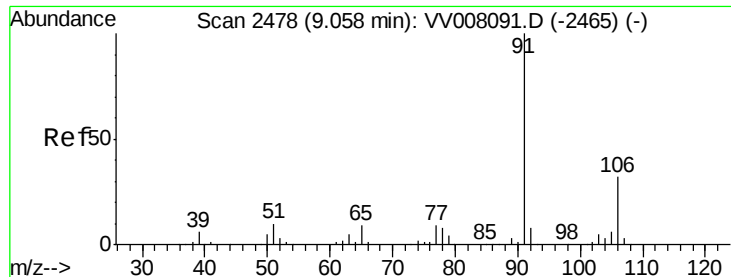
#51
Chlorobenzene
Concen: 18.666 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008093.D
Acq: 05 Oct 2018 12:43

Tgt Ion:112 Resp: 404529
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 54.1 44.6 66.8



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: 19.584 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

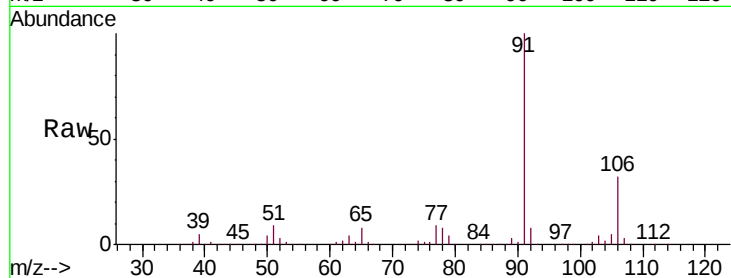
VSTD02073

Tgt Ion: 91 Resp: 679897

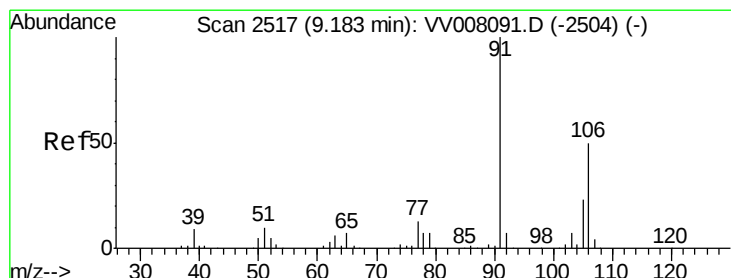
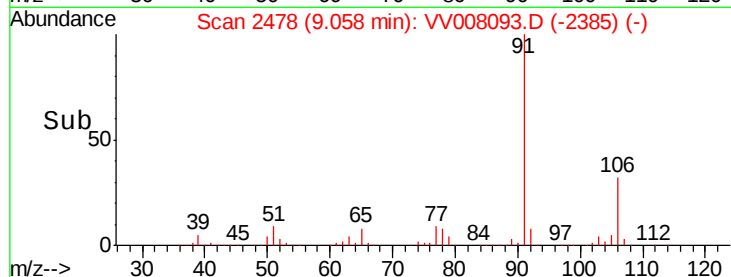
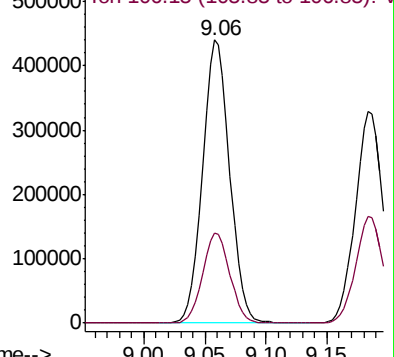
Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008093.D (-2465) (-)



#53

m,p-xylene

Concen: 19.761 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008093.D

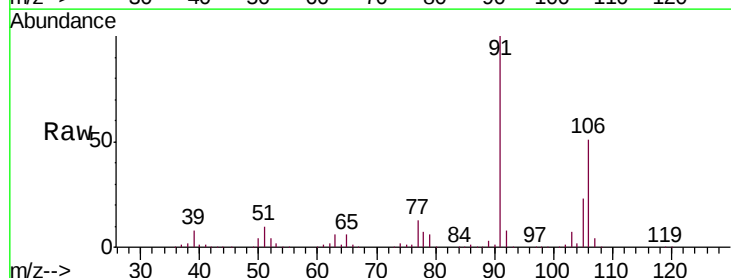
Acq: 05 Oct 2018 12:43

Tgt Ion: 106 Resp: 262196

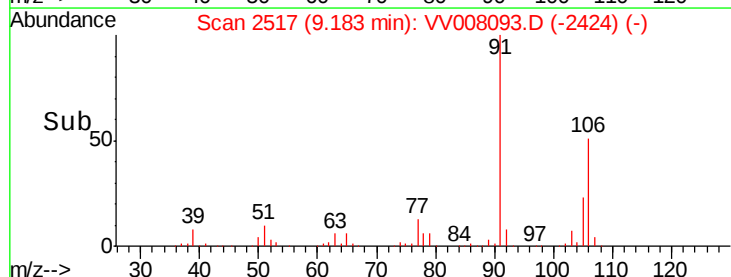
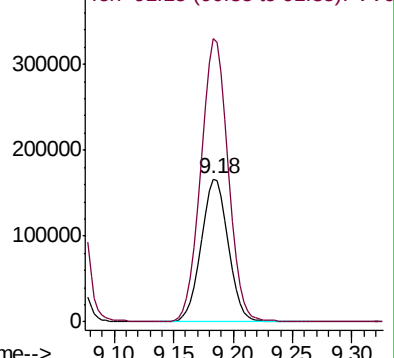
Ion Ratio Lower Upper

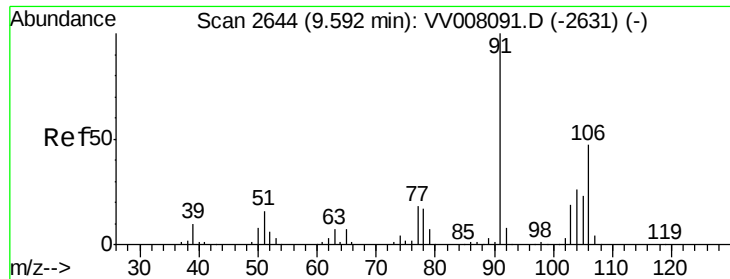
106 100

91 198.0 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008093.D (-2504) (-)





#54

o-xylene

Concen: 20.114 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

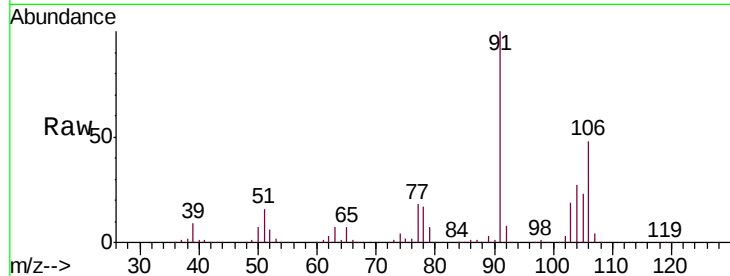
VSTD02073

Tgt Ion:106 Resp: 256710

Ion Ratio Lower Upper

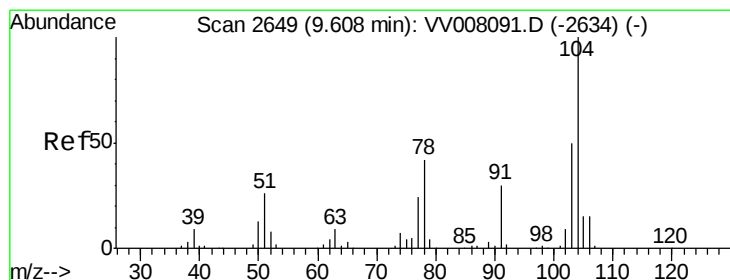
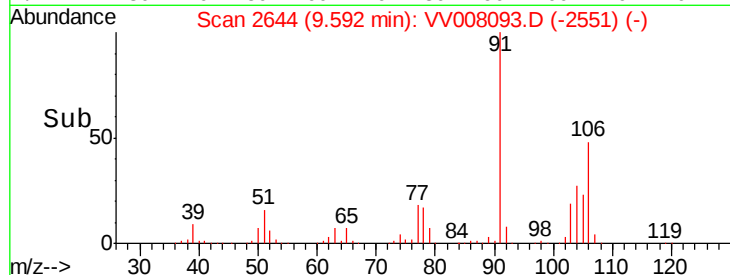
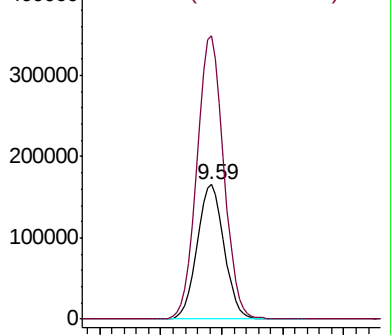
106 100

91 210.5 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 20.512 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008093.D

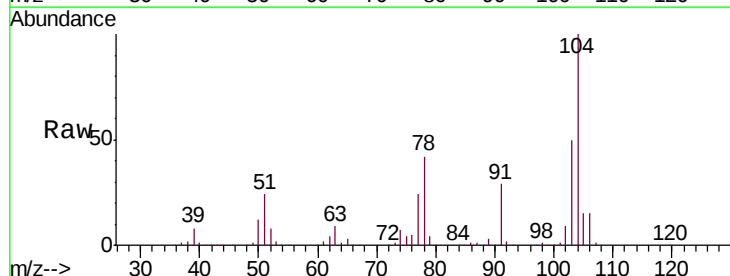
Acq: 05 Oct 2018 12:43

Tgt Ion:104 Resp: 448183

Ion Ratio Lower Upper

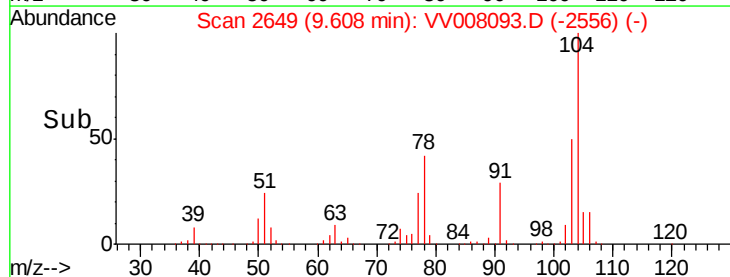
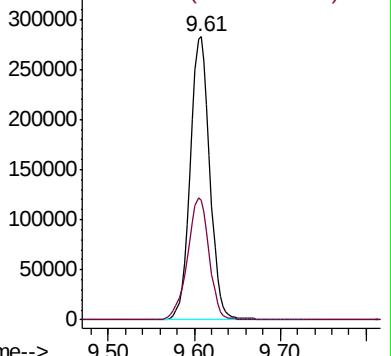
104 100

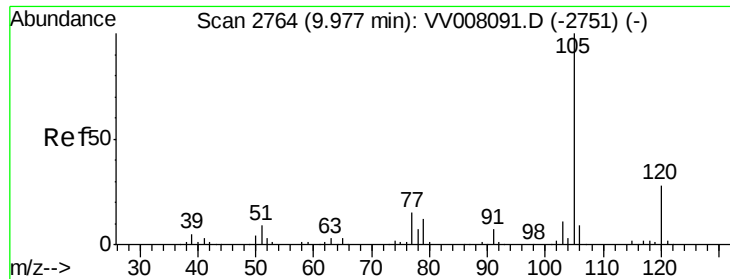
78 42.4 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.244 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

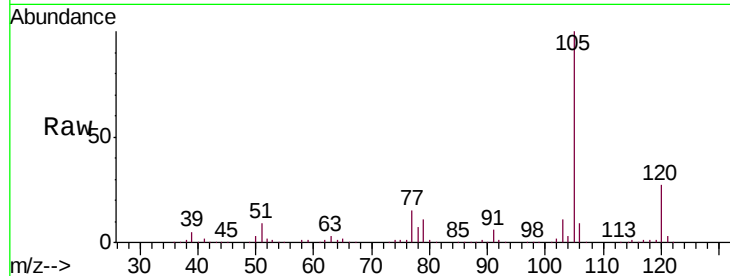
Tgt Ion:105 Resp: 699724

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

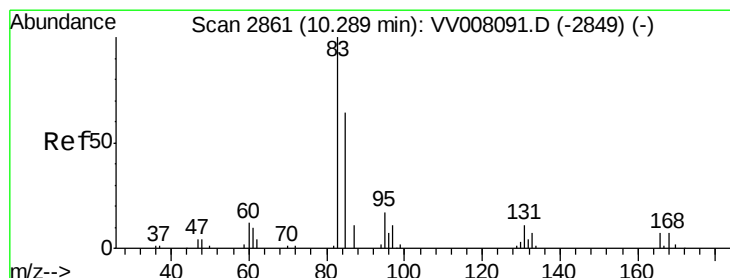
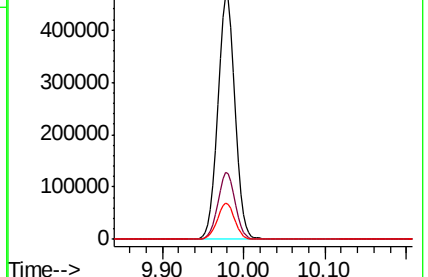
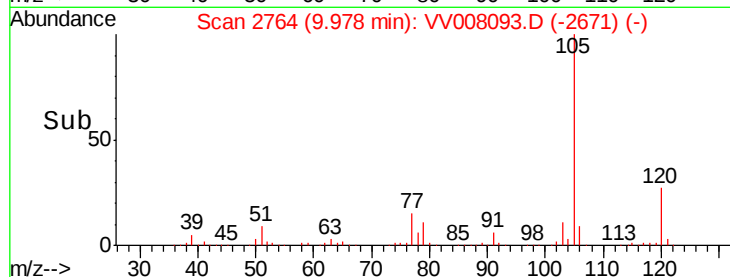
77 15.0 12.2 18.4



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: 18.945 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

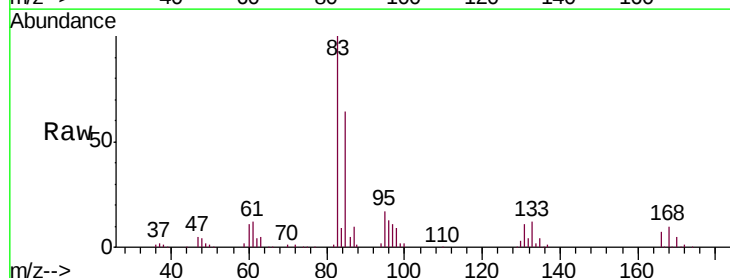
Tgt Ion: 83 Resp: 118829

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

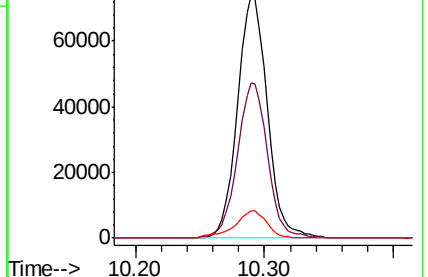
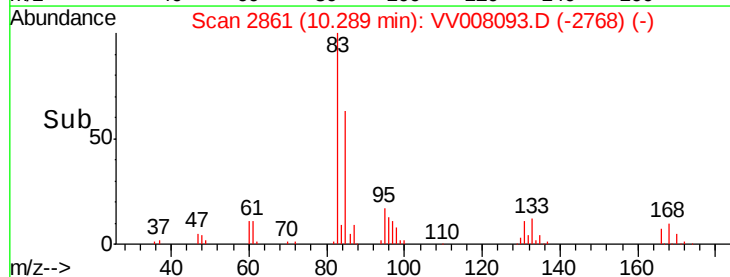
131 11.2 8.8 13.2

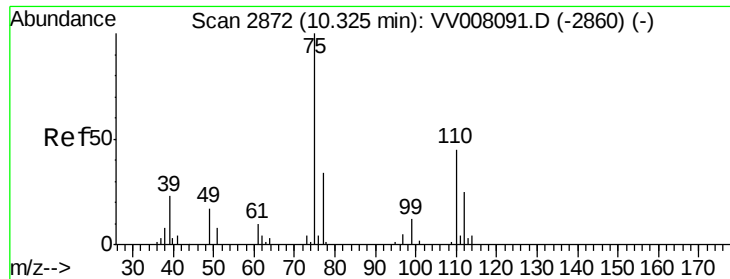


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

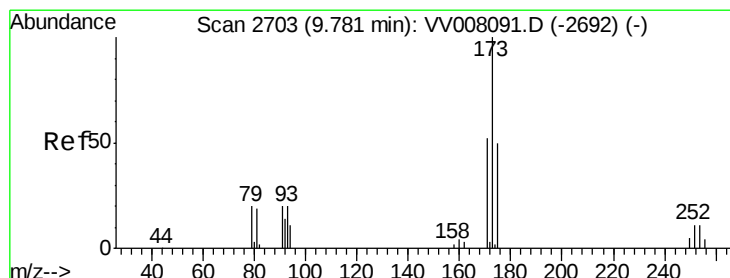
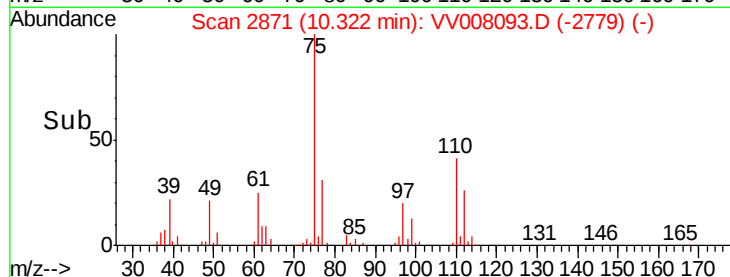
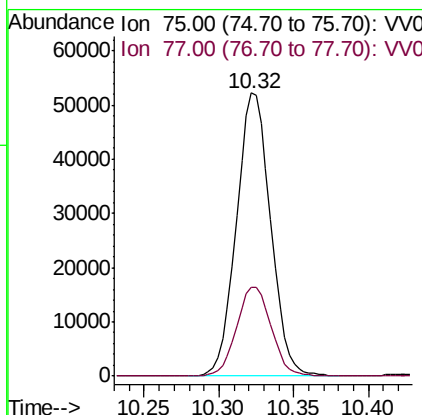
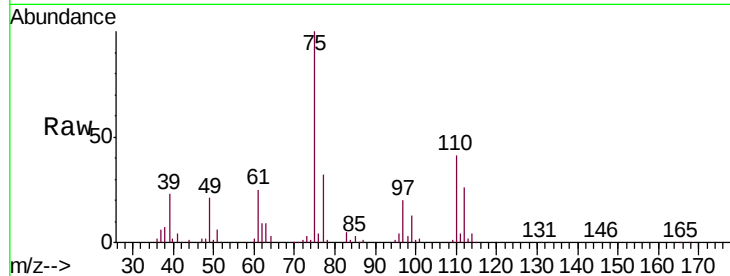




#59
 1,2,3-Trichloropropane
 Concen: 18.094 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

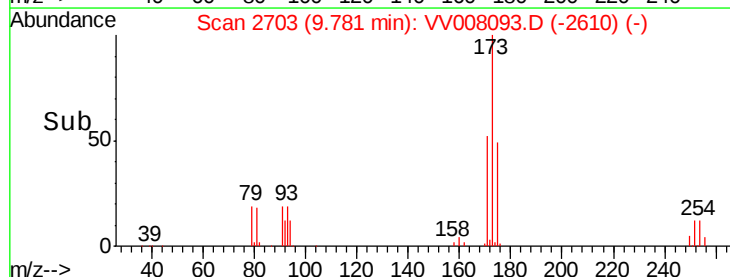
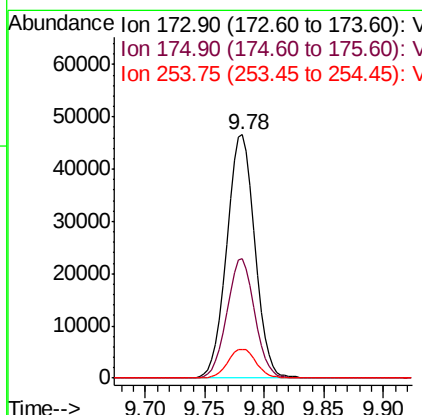
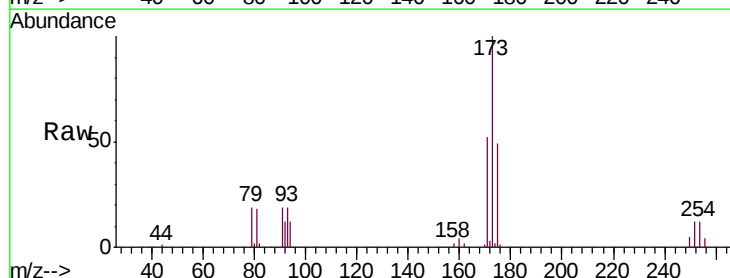
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

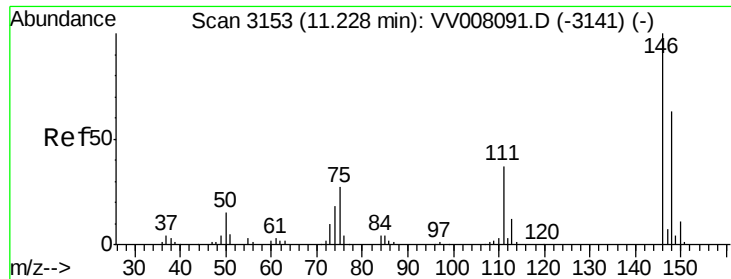
Tgt Ion: 75 Resp: 82996
 Ion Ratio Lower Upper
 75 100
 77 32.1 27.8 41.6



#61
 Bromoform
 Concen: 21.456 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion: 173 Resp: 76276
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.8 59.8
 254 12.0 9.4 14.0

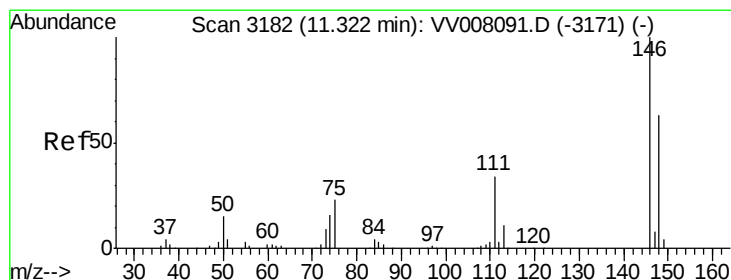
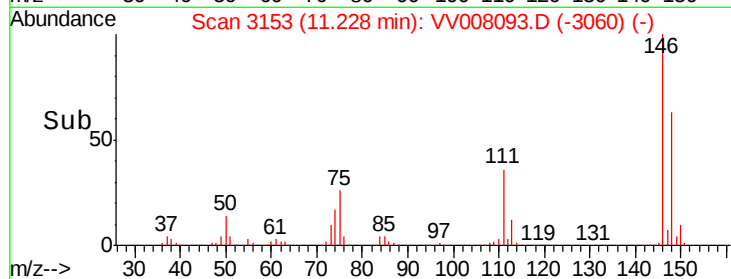
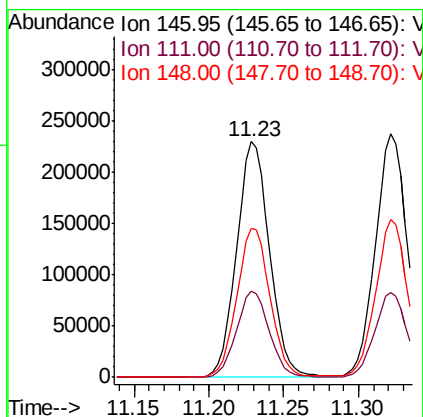
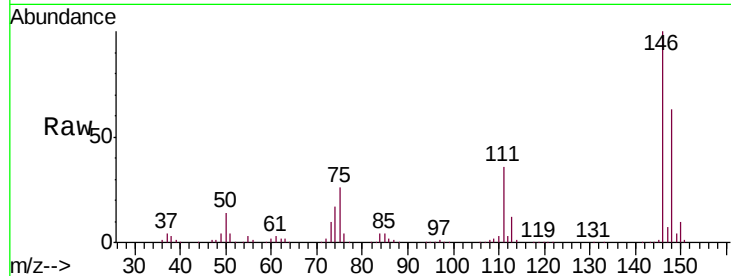




#62
 1,3-Dichlorobenzene
 Concen: 18.747 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

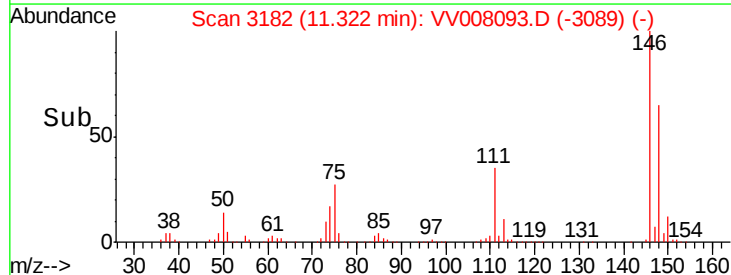
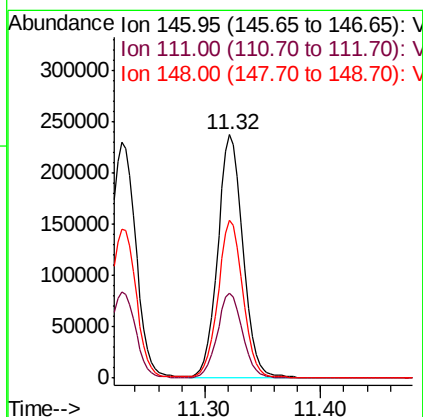
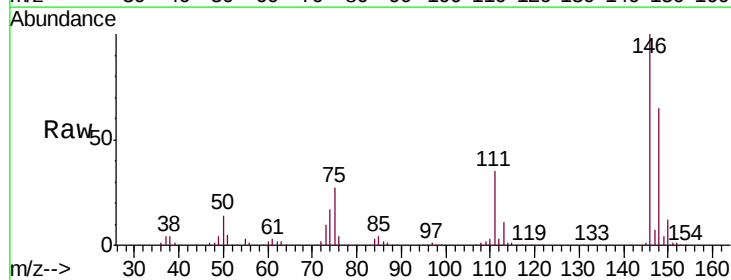
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD02073

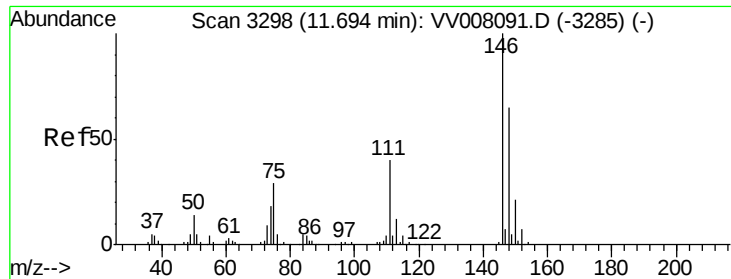
Tgt Ion:146 Resp: 352712
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.8 48.0
 148 63.2 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 18.305 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion:146 Resp: 358702
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.2 45.0
 148 64.6 44.0 81.6

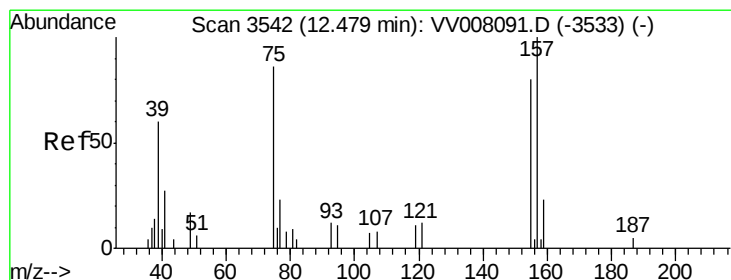
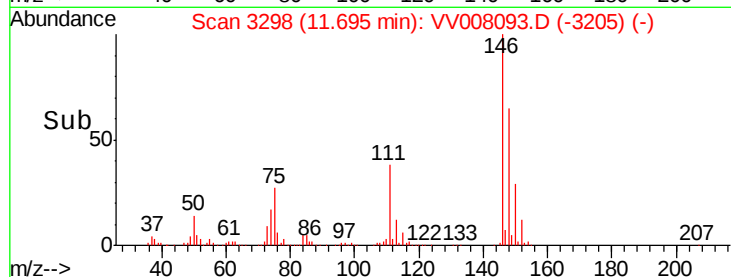
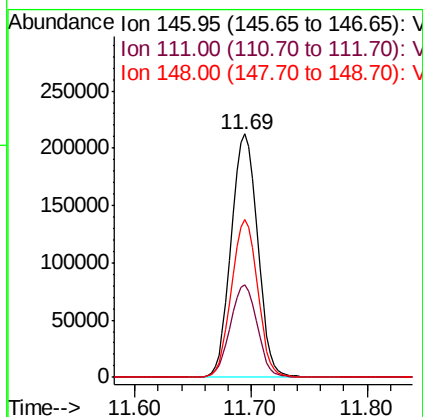
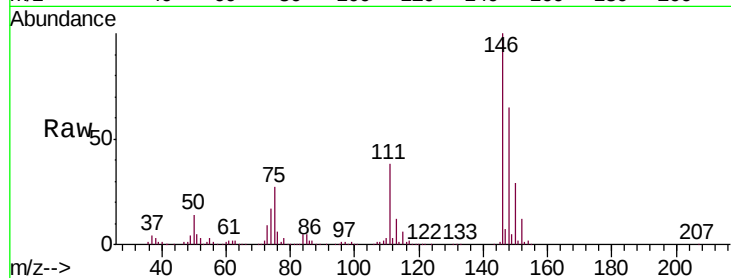




#65
 1,2-Dichlorobenzene
 Concen: 18.754 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

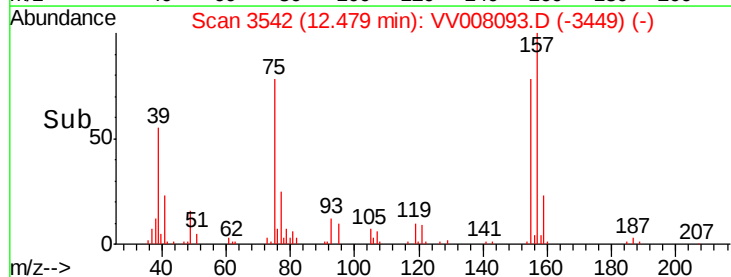
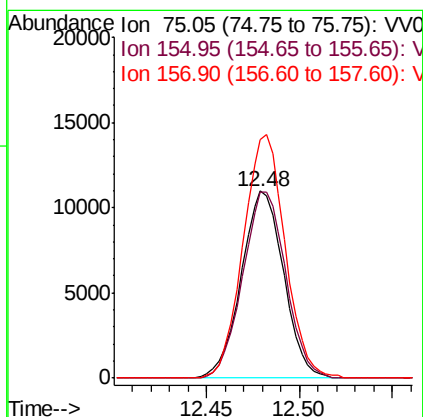
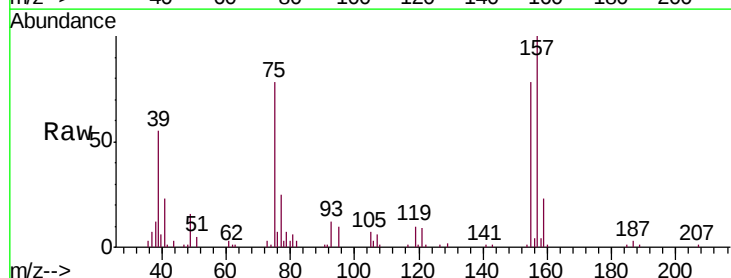
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02073

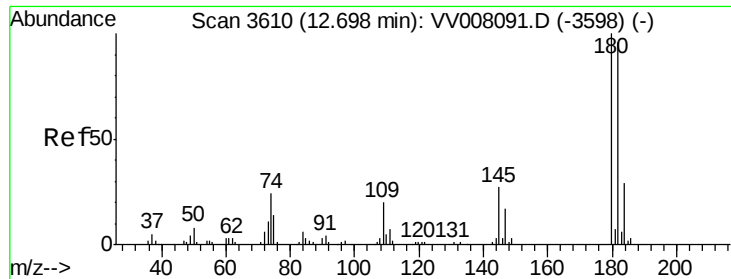
Tgt Ion: 146 Resp: 334352
 Ion Ratio Lower Upper
 146 100
 111 38.1 31.8 47.6
 148 65.0 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.087 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion: 75 Resp: 17484
 Ion Ratio Lower Upper
 75 100
 155 99.2 74.7 112.1
 157 127.8 93.1 139.7

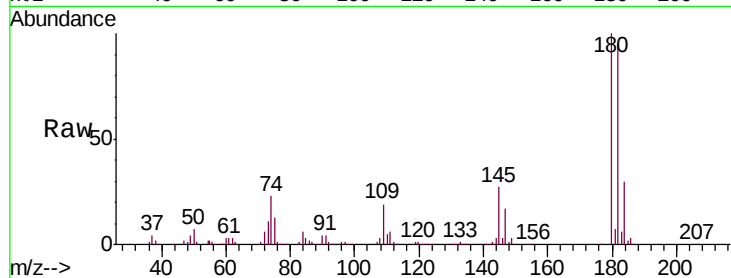




#67
 1,3,5-Trichlorobenzene
 Concen: 18.922 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
184	30.8	24.2	36.2
145	27.0	22.2	33.2



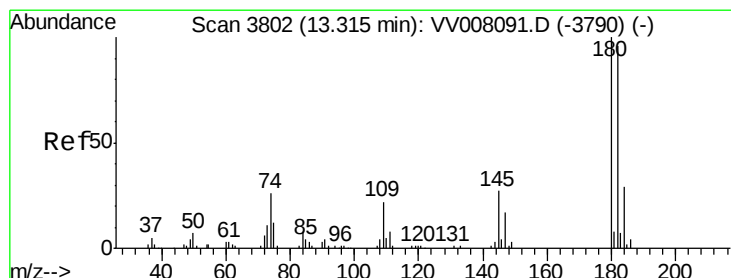
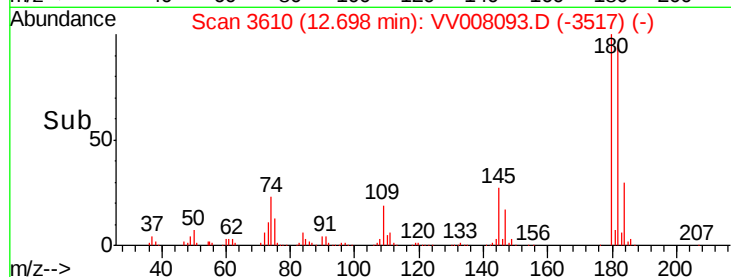
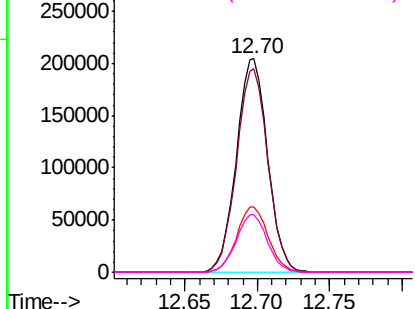
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

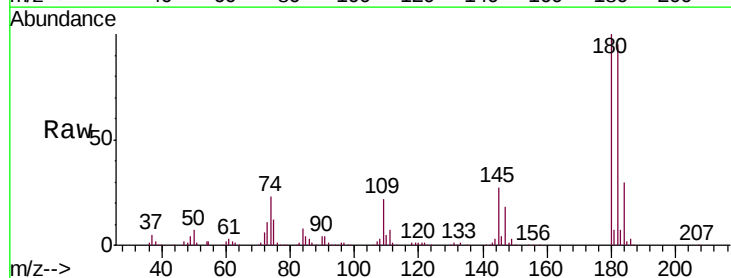
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 18.627 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008093.D
 Acq: 05 Oct 2018 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	27.6	22.1	33.1

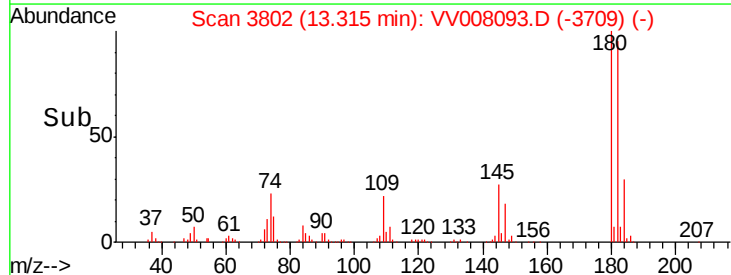
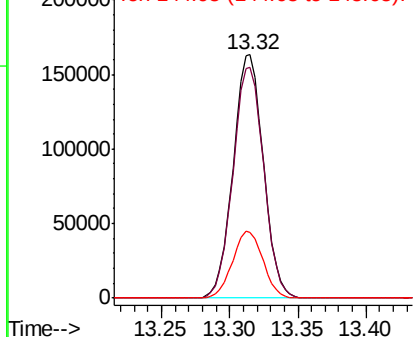


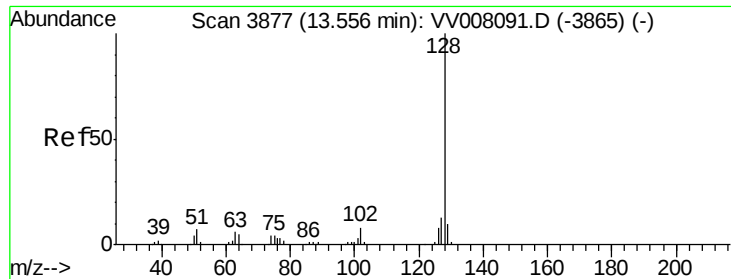
Abundance

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: 19.445 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

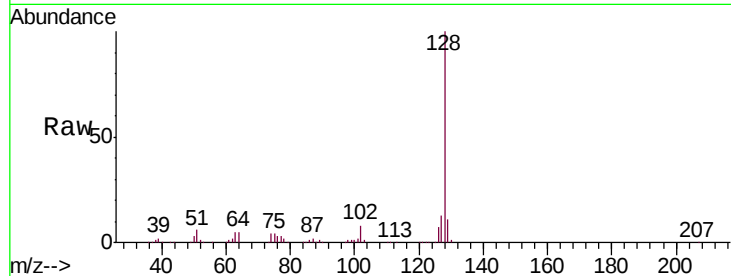
Tgt Ion:128 Resp: 358549

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

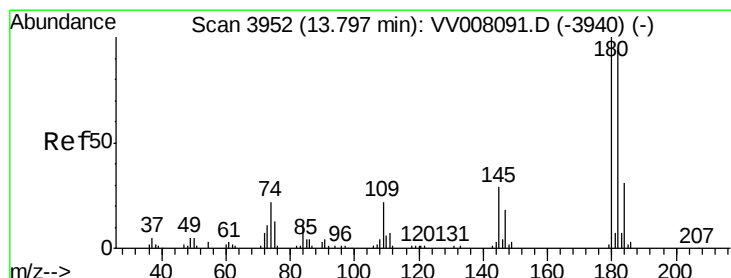
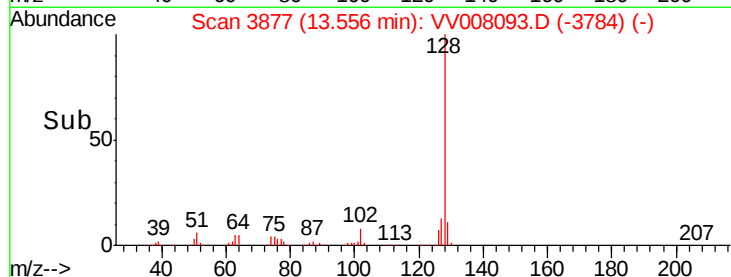
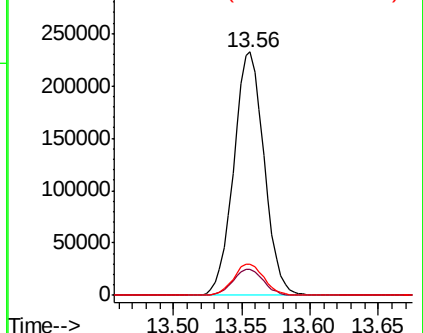
127 13.0 10.2 15.2



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: 18.860 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008093.D

Acq: 05 Oct 2018 12:43

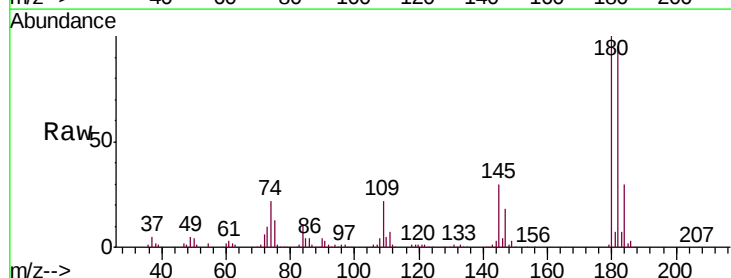
Tgt Ion:180 Resp: 230694

Ion Ratio Lower Upper

180 100

182 95.3 75.1 112.7

145 29.2 23.2 34.8



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

