

Data File : VV008092.D
Acq On : 05 Oct 2018 12:15
Operator : SY/MD
Sample : VSTD01072
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Quant Time: Oct 06 00:12:58 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	101561	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	97138	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53296	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61964	11.16	ug/L	0.00
7) Chloroethane-d5	1.59	69	50597	10.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	120093	9.77	ug/L	0.00
20) 2-Butanone-d5	3.96	46	156354	95.84	ug/L	0.00
24) Chloroform-d	4.41	84	131032	10.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	64238	9.49	ug/L	0.00
32) Benzene-d6	5.10	84	254315	10.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	76806	10.34	ug/L	0.00
41) Toluene-d8	7.36	98	254685	10.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	29653	10.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	125725	101.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	56876	10.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	99075	9.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	67412	8.169 ug/L	96
3) Chloromethane	1.25	50	55792	7.730 ug/L	99
5) Vinyl chloride	1.33	62	64078	8.225 ug/L	95
6) Bromomethane	1.54	94	29531	6.424 ug/L	97
8) Chloroethane	1.60	64	38851	8.166 ug/L	96
9) Trichlorofluoromethane	1.77	101	108241	8.457 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	63779	8.701 ug/L	98
12) 1,1-Dichloroethene	2.15	96	54978	8.457 ug/L	95
13) Acetone	2.21	43	92338	79.625 ug/L	100
14) Carbon disulfide	2.32	76	133659	7.645 ug/L	98
15) Methyl Acetate	2.47	43	22919	7.629 ug/L	99
16) Methylene chloride	2.54	84	57917	7.949 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	135455	8.376 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	58083	8.106 ug/L	97
19) 1,1-Dichloroethane	3.23	63	112235	9.083 ug/L	99
21) 2-Butanone	4.05	43	160535	86.128 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	67708	9.189 ug/L	98
23) Bromochloromethane	4.30	128	30980	9.525 ug/L	98
25) Chloroform	4.43	83	121567	9.045 ug/L	99
27) 1,2-Dichloroethane	5.19	62	72692	8.557 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	107729	9.344 ug/L	99
30) Cyclohexane	4.73	56	92849	8.767 ug/L	99
31) Carbon tetrachloride	4.88	117	97268	9.553 ug/L	100
33) Benzene	5.15	78	253723	9.289 ug/L	100
34) Trichloroethene	5.96	95	69640	8.934 ug/L	97
35) Methylcyclohexane	6.18	83	103038	8.931 ug/L	98
37) 1,2-Dichloropropane	6.23	63	66832	9.480 ug/L	100
38) Bromodichloromethane	6.56	83	83383	9.889 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	91738	9.785 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	394422	90.109 ug/L	100

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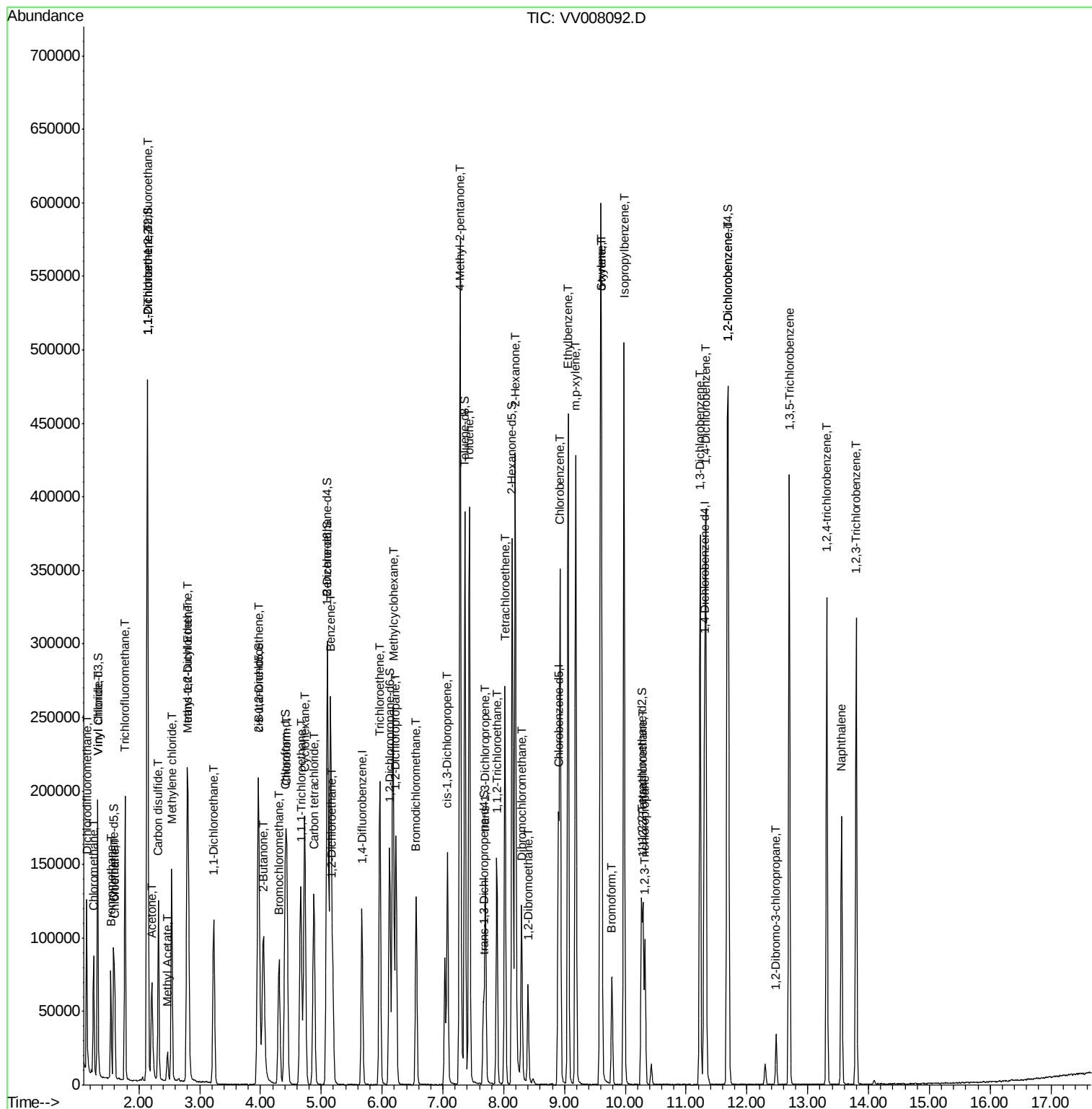
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	280096	9.422	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	76943	9.912	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	46944	9.189	ug/L	97
47) Tetrachloroethene	8.02	164	63008	8.745	ug/L	98
48) 2-Hexanone	8.19	43	282309	92.756	ug/L	99
49) Dibromochloromethane	8.30	129	59198	10.096	ug/L	99
50) 1,2-Dibromoethane	8.40	107	42501	9.192	ug/L	96
51) Chlorobenzene	8.93	112	185929	9.034	ug/L	99
52) Ethylbenzene	9.06	91	306049	9.283	ug/L	99
53) m,p-xylene	9.18	106	118661	9.417	ug/L	98
54) o-xylene	9.59	106	114817	9.473	ug/L	98
55) Styrene	9.61	104	201475	9.710	ug/L	99
56) Isopropylbenzene	9.98	105	313847	9.561	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	55097	9.250	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	39094	8.974	ug/L	95
61) Bromoform	9.78	173	33656	10.260	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	157437	9.068	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	159386	8.815	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	152612	9.277	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7742	9.159	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	135662	9.112	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	109415	8.791	ug/L	99
69) Naphthalene	13.56	128	144582	8.497	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	100497	8.903	ug/L	98

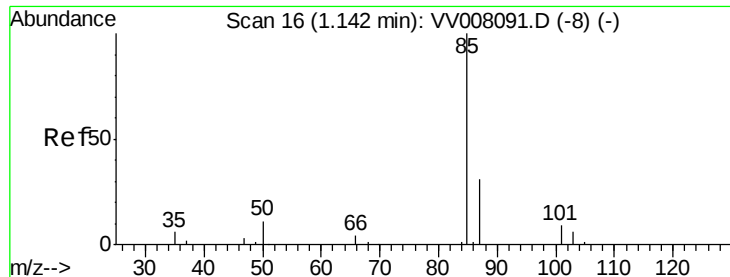
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.169 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

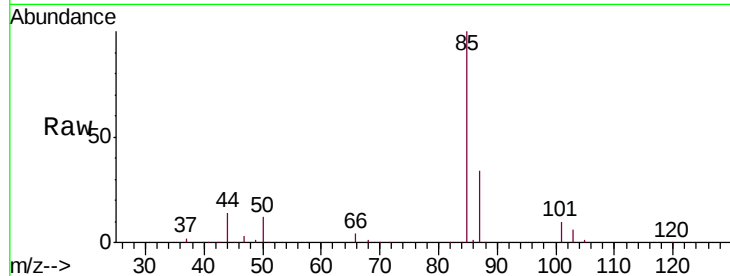
VSTD01072

Tgt Ion: 85 Resp: 67412

Ion Ratio Lower Upper

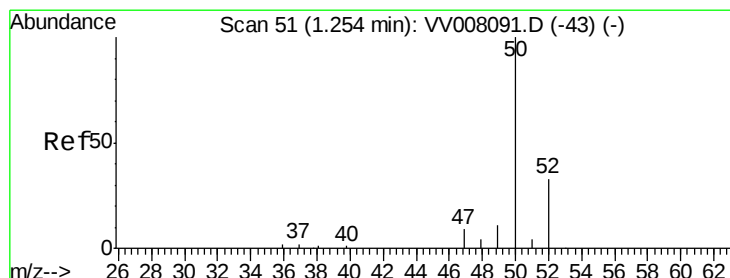
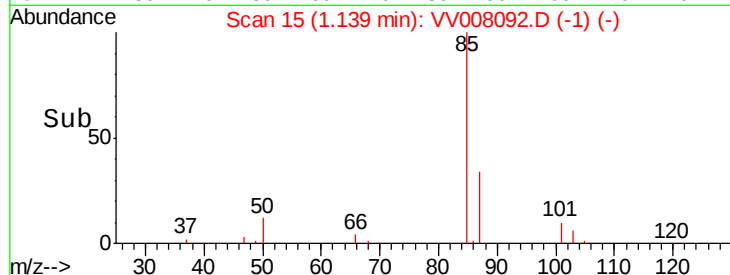
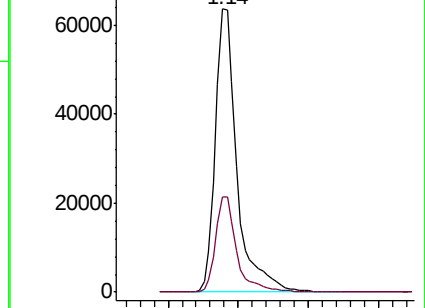
85 100

87 33.0 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) (-)



#3

Chloromethane

Concen: 7.730 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008092.D

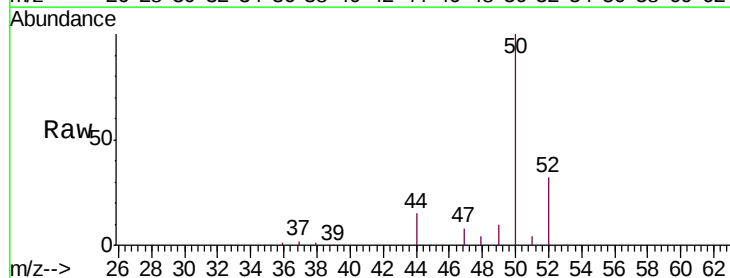
Acq: 05 Oct 2018 12:15

Tgt Ion: 50 Resp: 55792

Ion Ratio Lower Upper

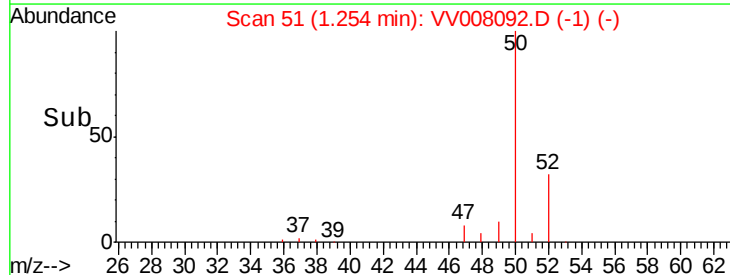
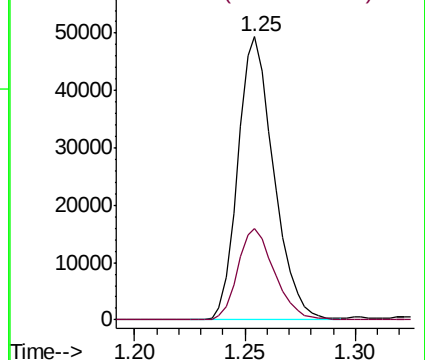
50 100

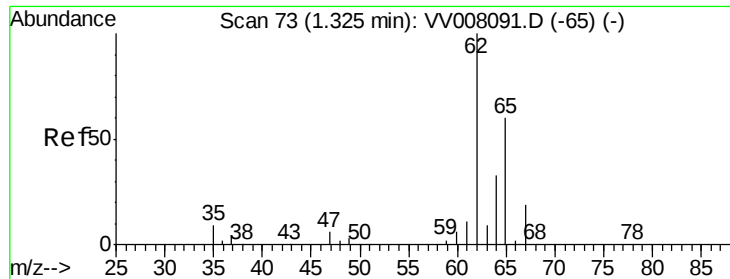
52 32.2 22.9 42.5



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

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





#5

Vinyl chloride

Concen: 8.225 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

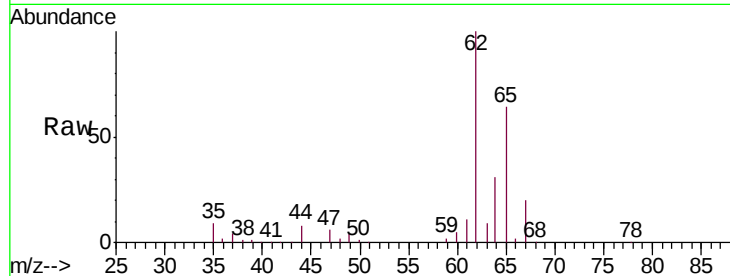
VSTD01072

Tgt Ion: 62 Resp: 64078

Ion Ratio Lower Upper

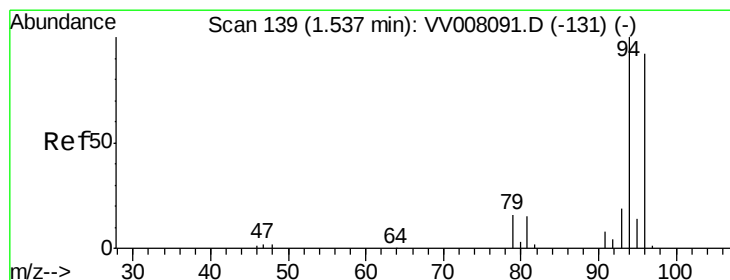
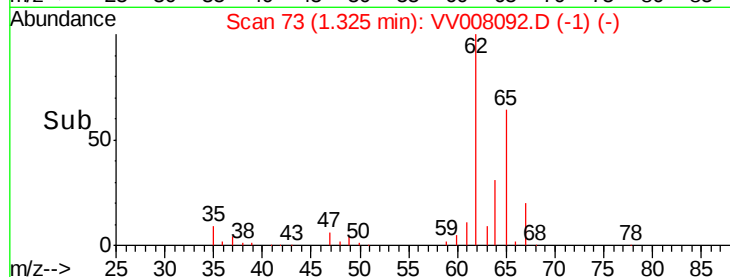
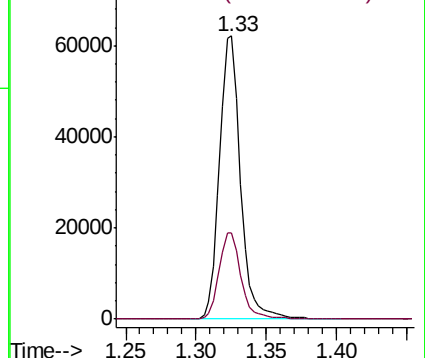
62 100

64 30.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.424 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008092.D

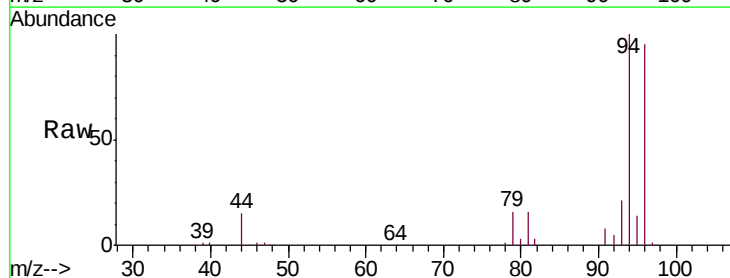
Acq: 05 Oct 2018 12:15

Tgt Ion: 94 Resp: 29531

Ion Ratio Lower Upper

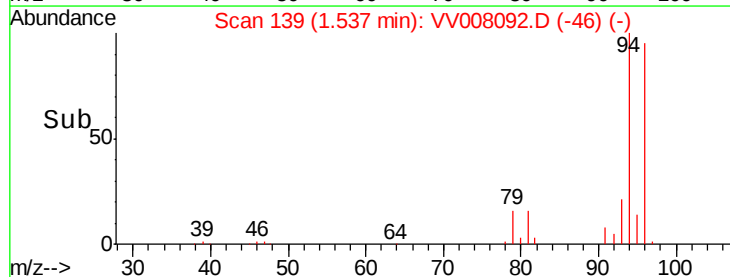
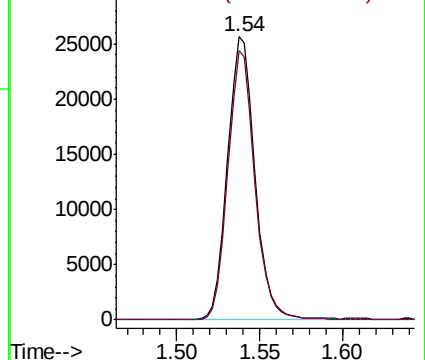
94 100

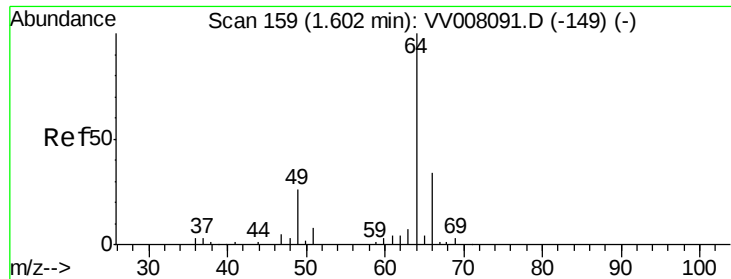
96 95.1 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

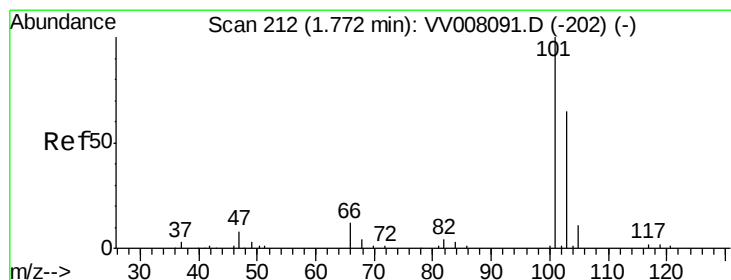
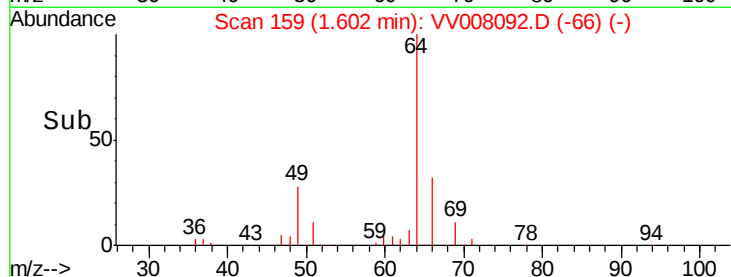
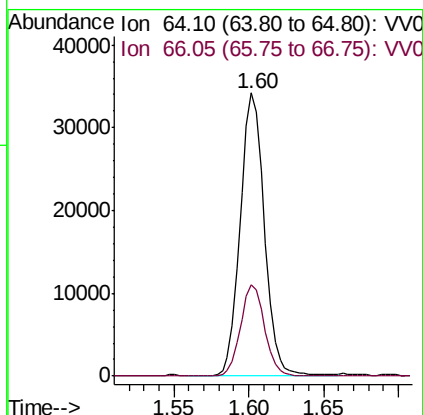
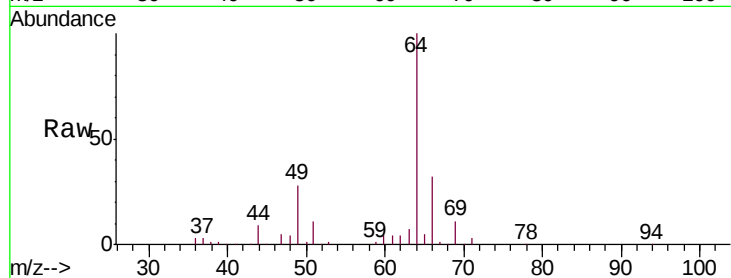




#8
Chloroethane
Concen: 8.166 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

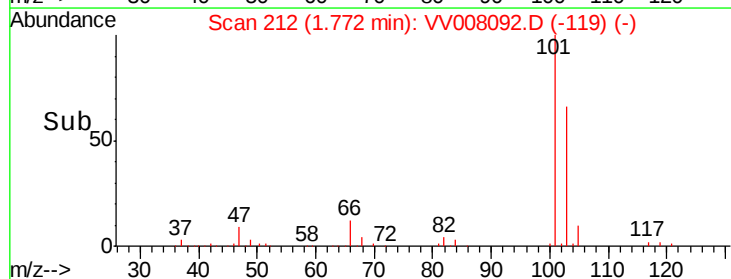
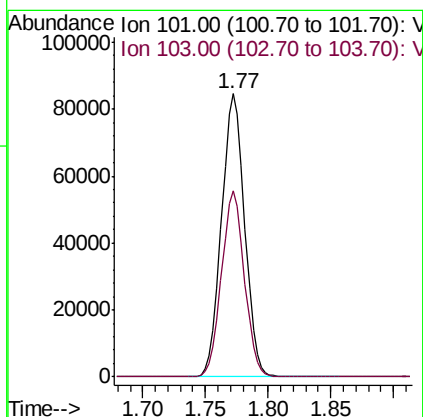
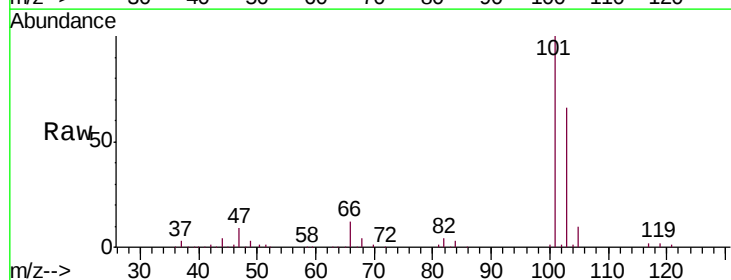
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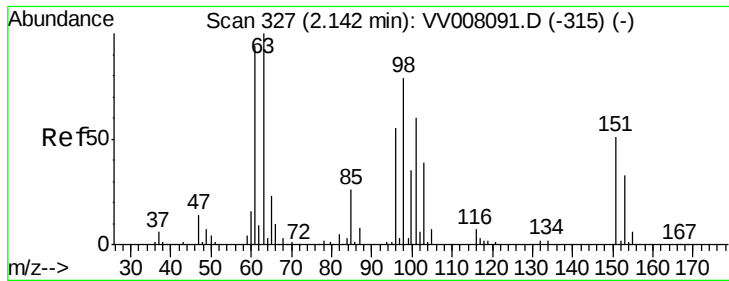
Tgt Ion: 64 Resp: 38851
Ion Ratio Lower Upper
64 100
66 32.1 24.1 44.8



#9
Trichlorofluoromethane
Concen: 8.457 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Tgt Ion: 101 Resp: 108241
Ion Ratio Lower Upper
101 100
103 64.8 53.1 79.7





#10

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

Concen: 8.701 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

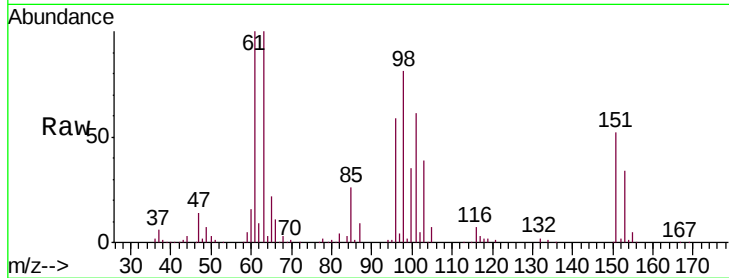
Tgt Ion:101 Resp: 63779

Ion Ratio Lower Upper

101 100

85 42.9 35.4 53.0

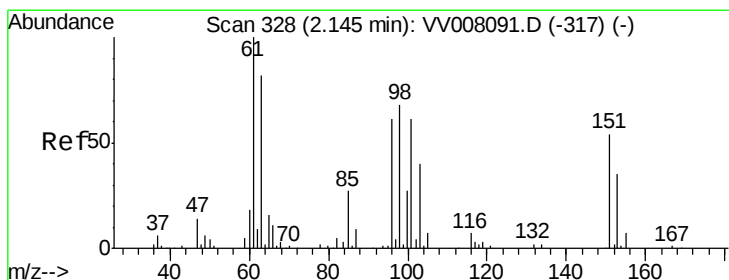
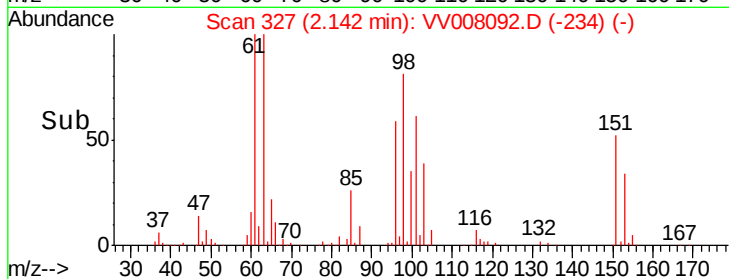
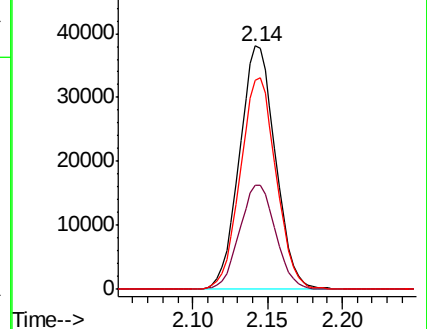
151 86.3 70.7 106.1



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: 8.457 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

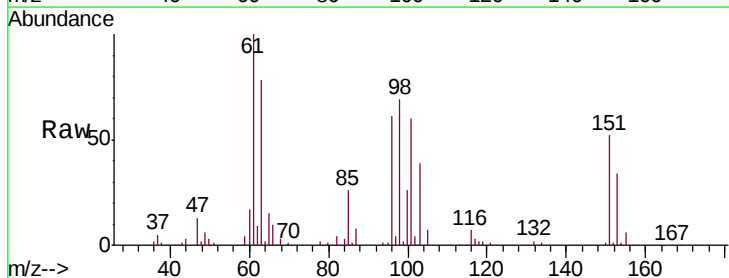
Tgt Ion: 96 Resp: 54978

Ion Ratio Lower Upper

96 100

61 163.0 114.7 213.1

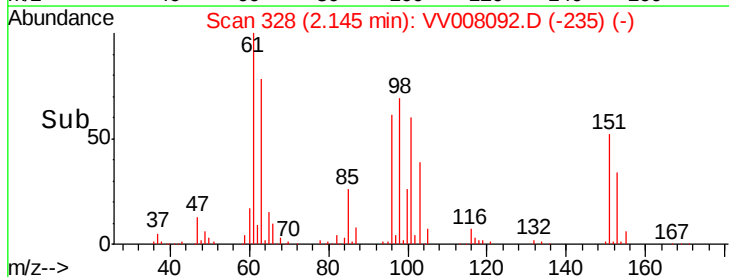
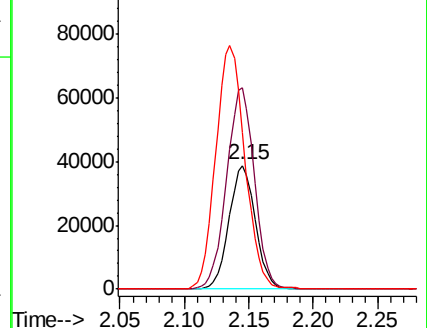
63 126.5 96.9 179.9

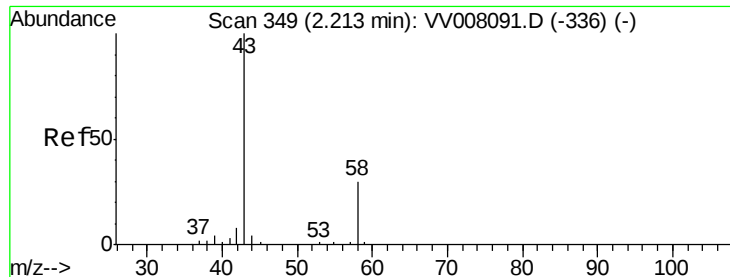


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 79.625 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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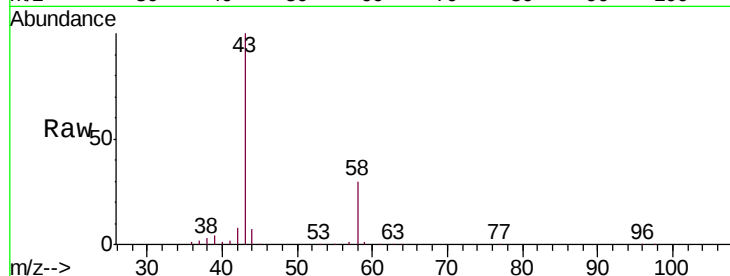
VSTD01072

Tgt Ion: 43 Resp: 92338

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008092.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV008092.D (-256) (-)

2.21

40000

30000

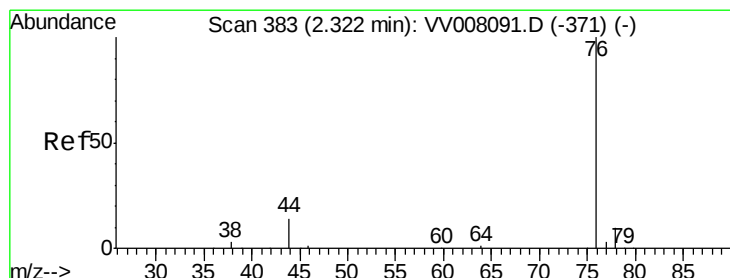
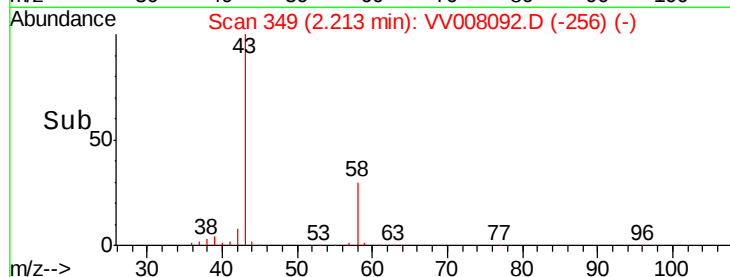
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 7.645 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008092.D

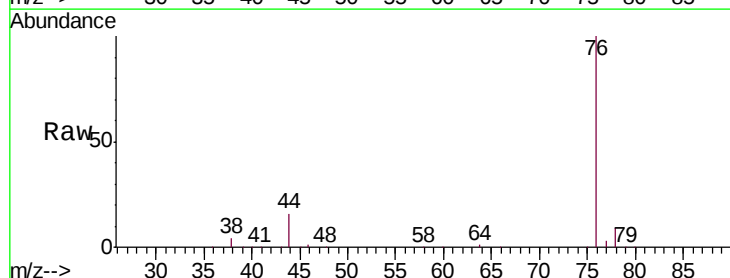
Acq: 05 Oct 2018 12:15

Tgt Ion: 76 Resp: 133659

Ion Ratio Lower Upper

76 100

78 9.3 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008092.D (-290) (-)

Ion 78.00 (77.70 to 78.70): VV008092.D (-290) (-)

2.32

100000

80000

60000

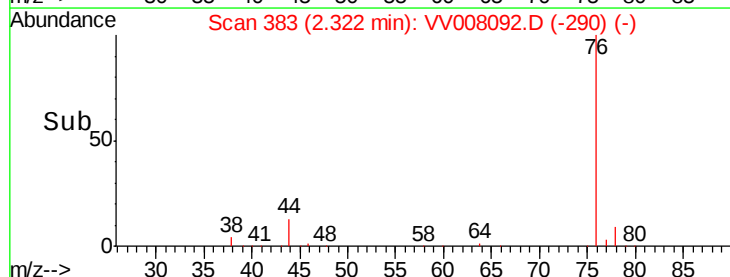
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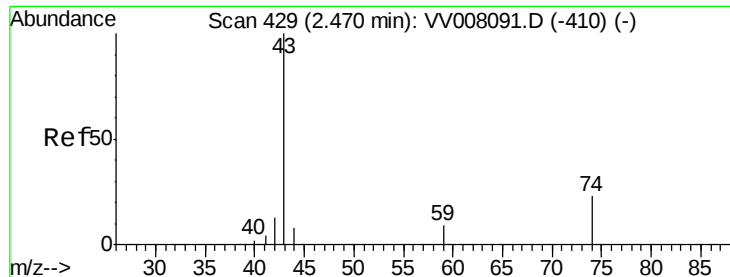
20000

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Time-->

2.25 2.30 2.35 2.40

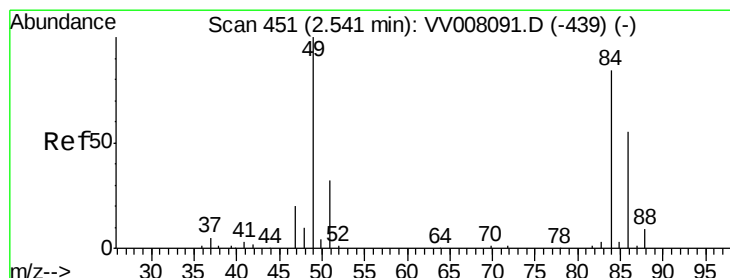
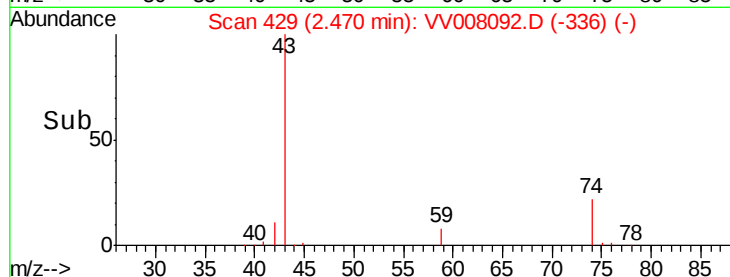
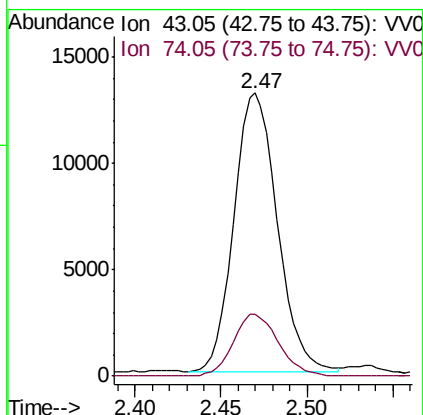
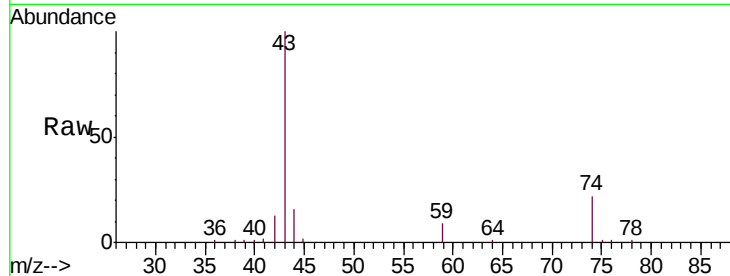




#15
Methyl Acetate
Concen: 7.629 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

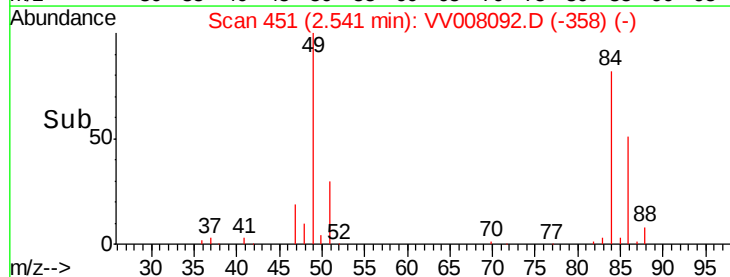
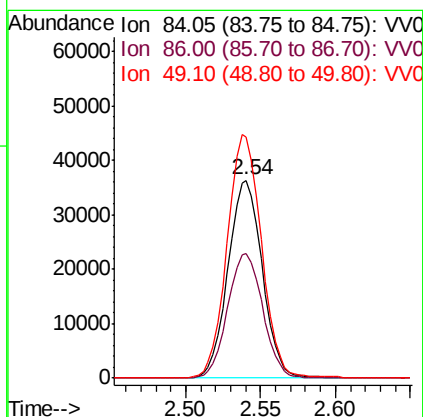
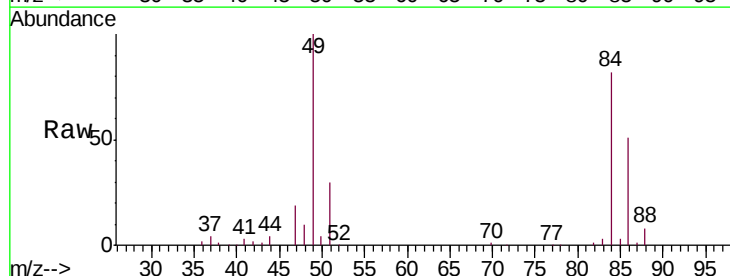
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

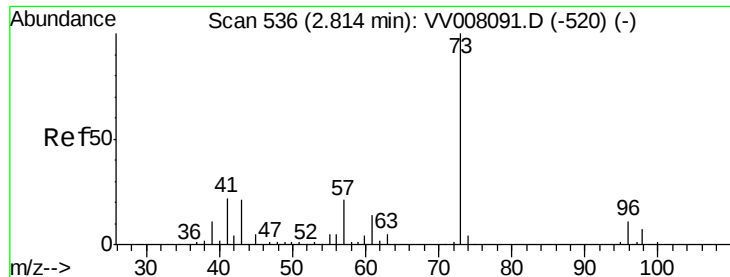
Tgt Ion: 43 Resp: 22919
Ion Ratio Lower Upper
43 100
74 23.2 18.1 27.1



#16
Methylene chloride
Concen: 7.949 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Tgt Ion: 84 Resp: 57917
Ion Ratio Lower Upper
84 100
86 62.7 45.3 84.1
49 121.9 83.0 154.1



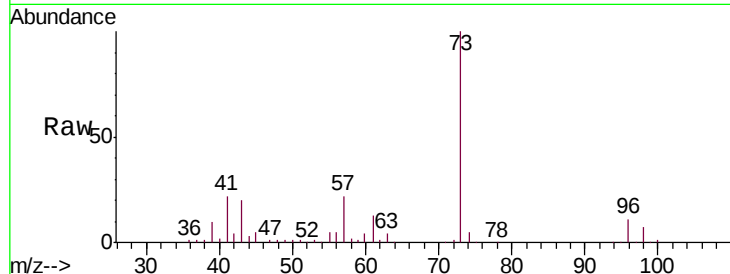


#17

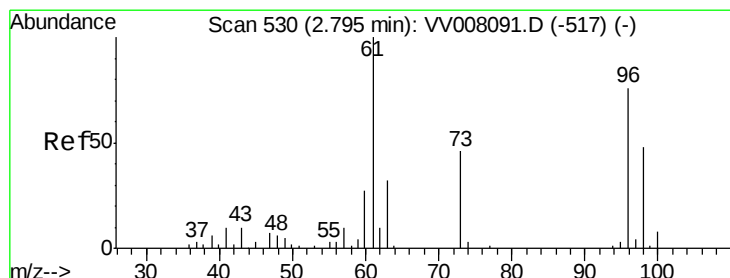
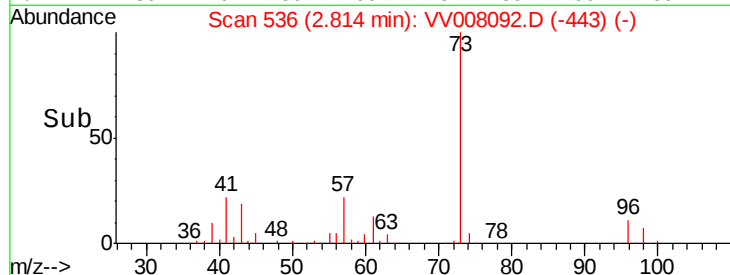
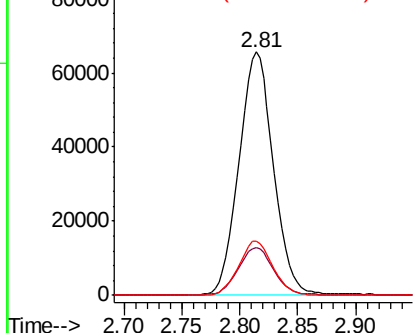
Methyl tert-butyl Ether
Concen: 8.376 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Tgt Ion: 73 Resp: 135455
Ion Ratio Lower Upper
73 100
43 20.1 17.0 25.4
57 22.2 17.3 25.9



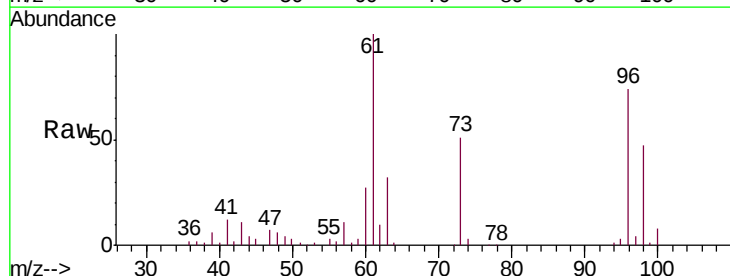
Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



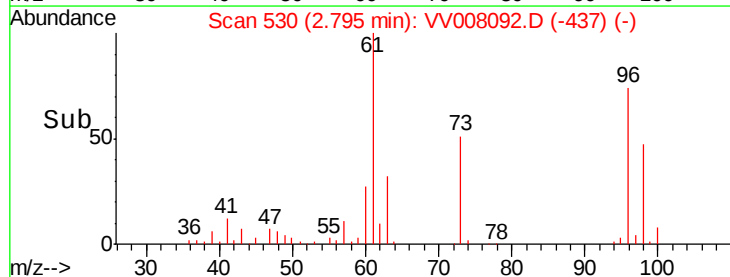
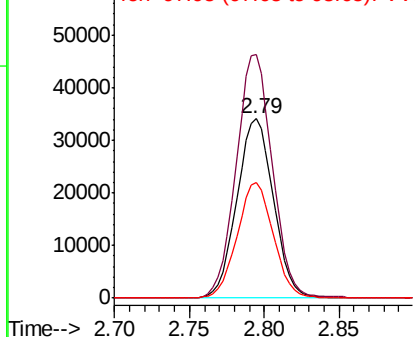
#18

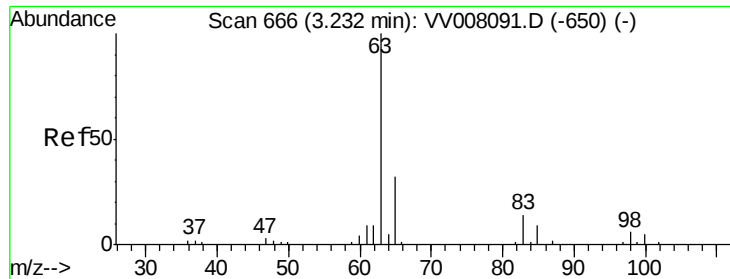
trans-1,2-Dichloroethene
Concen: 8.106 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Tgt Ion: 96 Resp: 58083
Ion Ratio Lower Upper
96 100
61 135.9 91.6 170.2
98 64.5 44.4 82.5



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

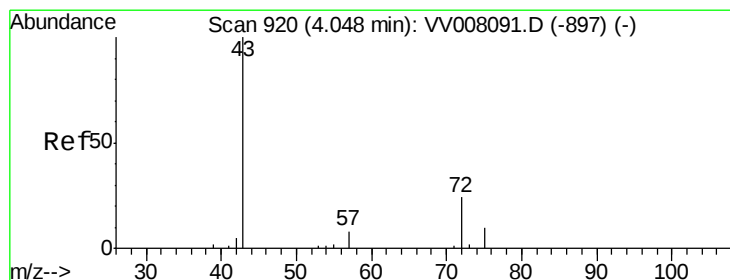
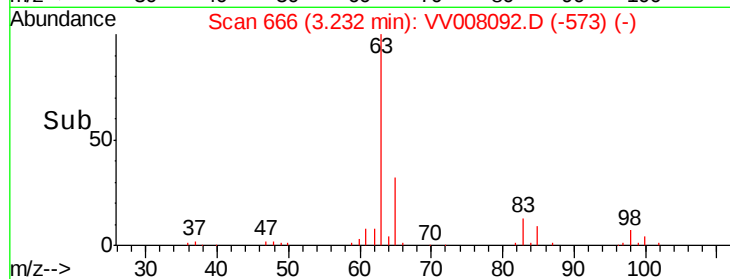
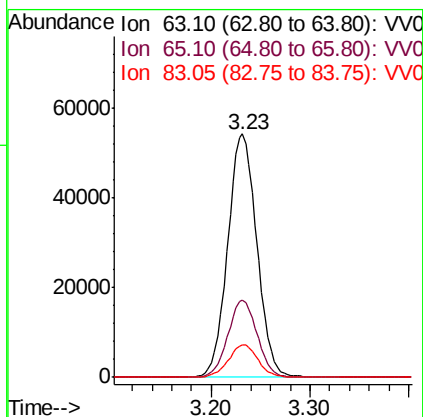
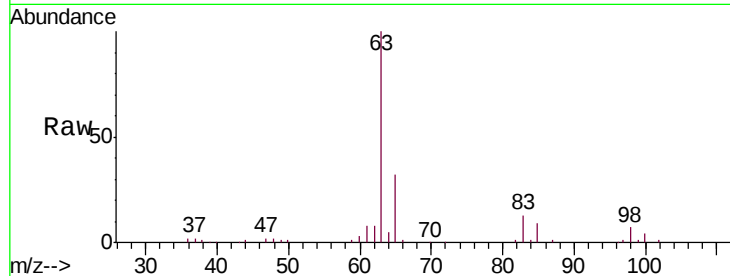




#19
 1,1-Dichloroethane
 Concen: 9.083 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

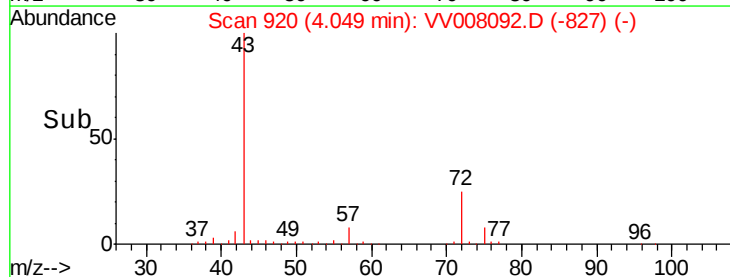
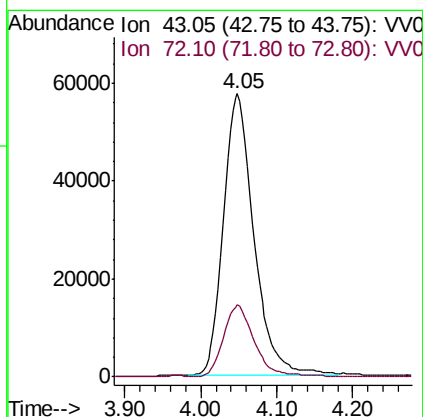
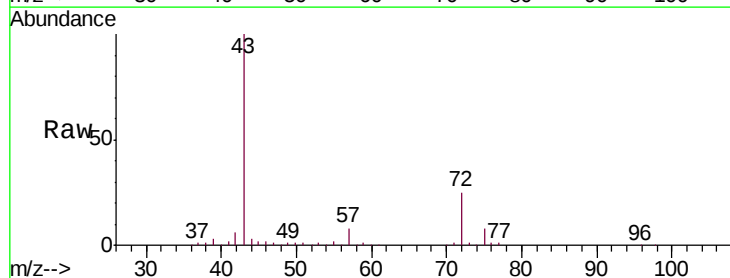
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

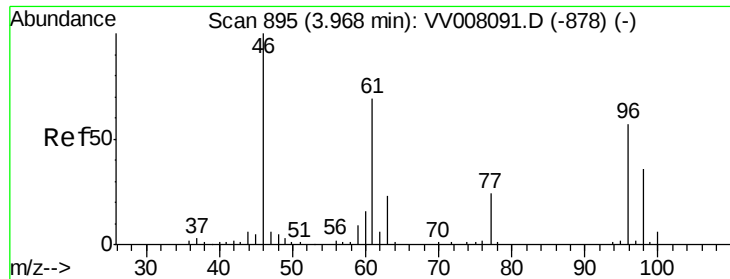
Tgt Ion: 63 Resp: 112235
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.4 41.6
 83 13.4 9.6 17.8



#21
 2-Butanone
 Concen: 86.128 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion: 43 Resp: 160535
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.9 38.6



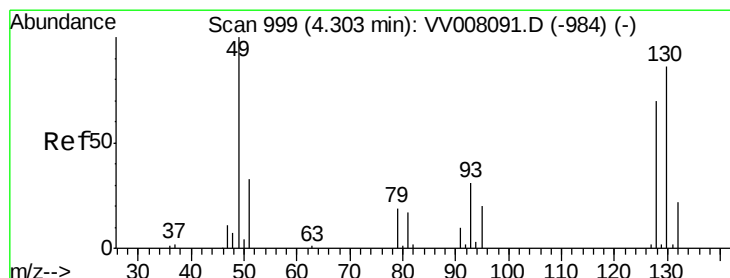
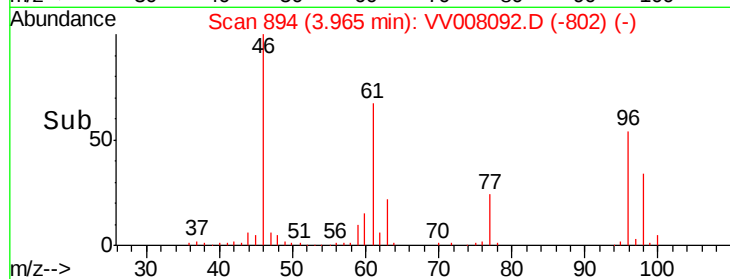
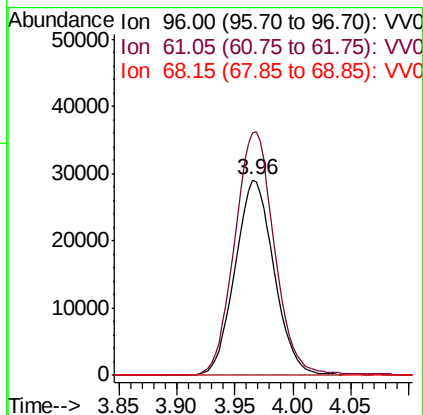
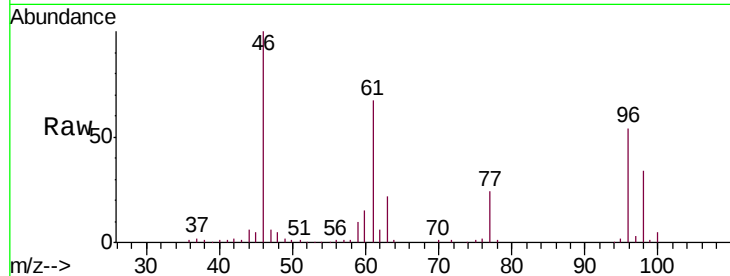


#22

cis-1,2-Dichloroethene
 Concen: 9.189 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

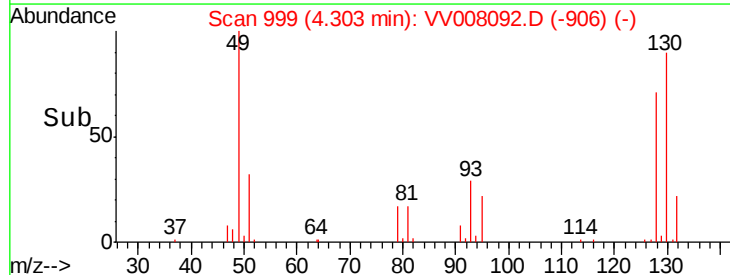
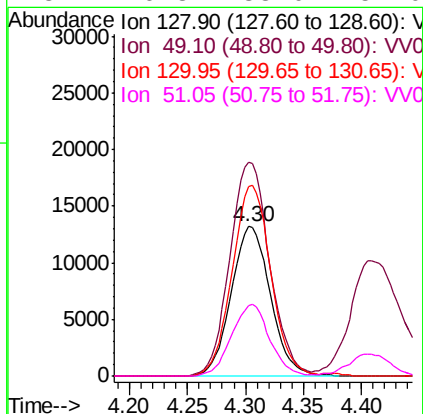
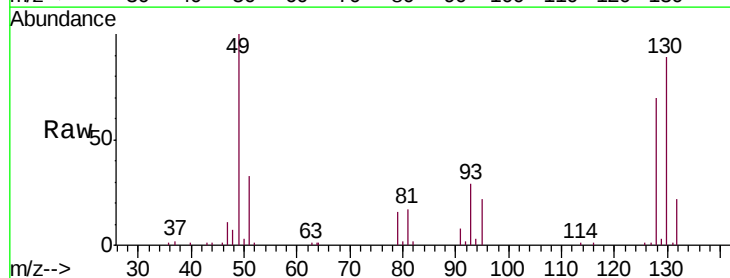
Tgt Ion: 96 Resp: 67708
 Ion Ratio Lower Upper
 96 100
 61 124.3 85.1 158.1
 68 0.0 0.0 0.0

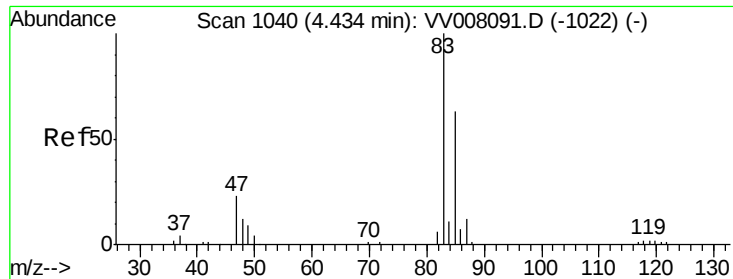


#23

Bromochloromethane
 Concen: 9.525 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion: 128 Resp: 30980
 Ion Ratio Lower Upper
 128 100
 49 143.2 99.8 185.3
 130 126.8 85.5 158.7
 51 46.8 38.0 57.0

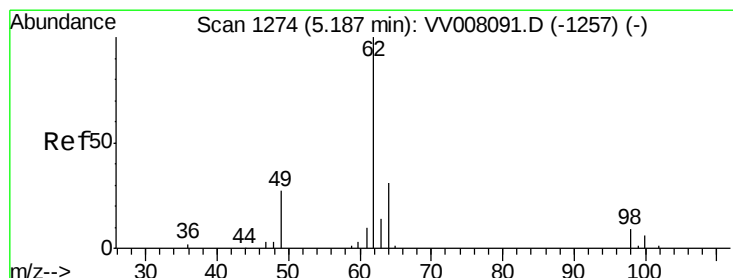
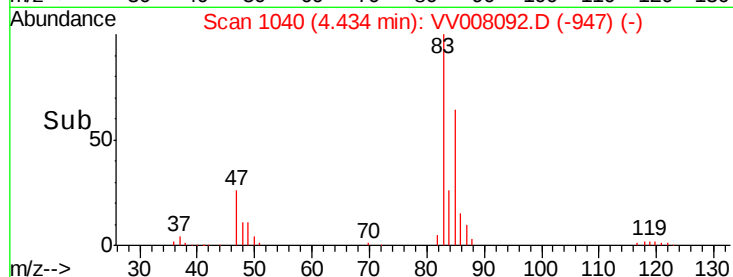
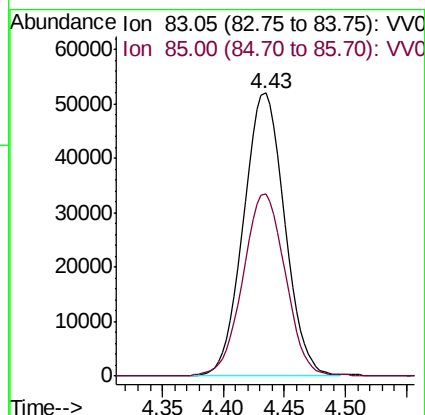
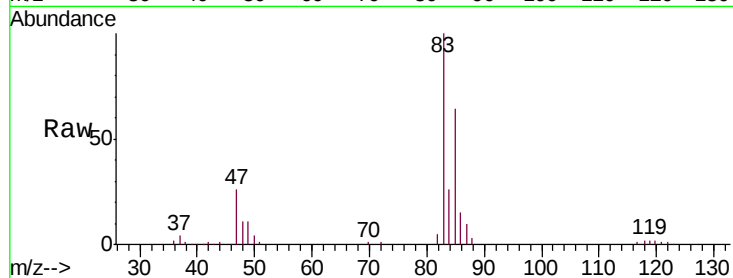




#25
 Chloroform
 Concen: 9.045 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

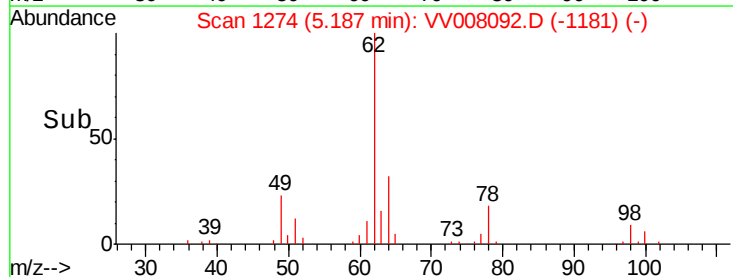
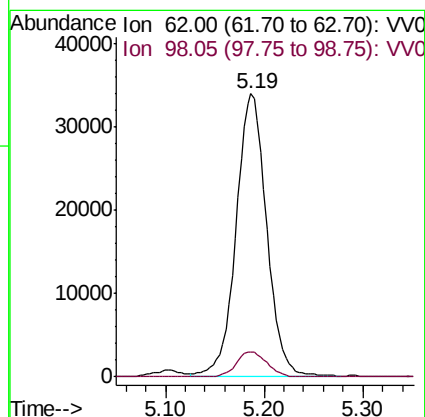
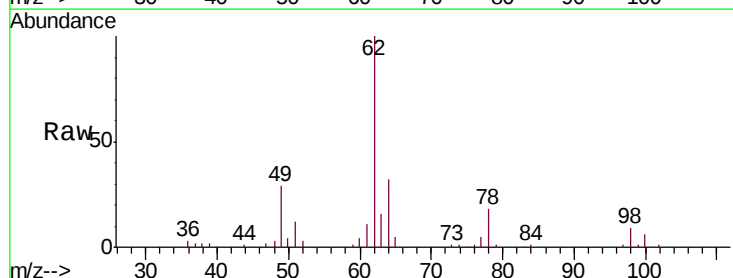
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

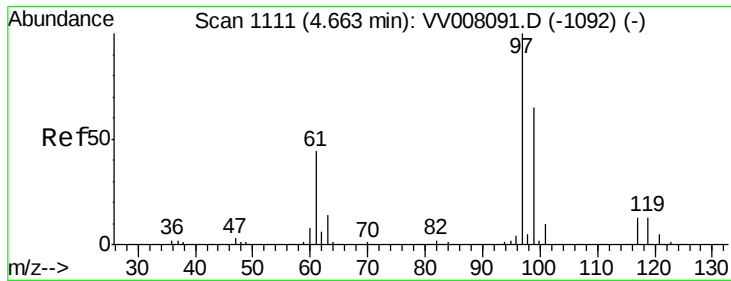
Tgt Ion: 83 Resp: 121567
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 8.557 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion: 62 Resp: 72692
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.3 10.9

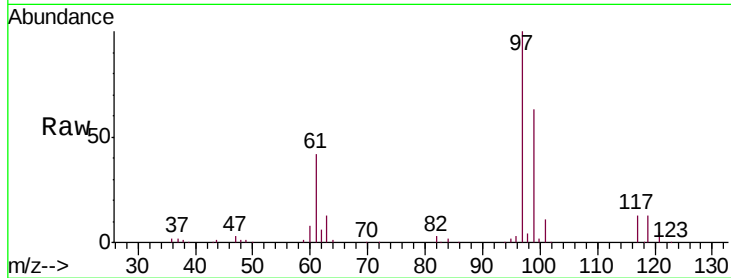




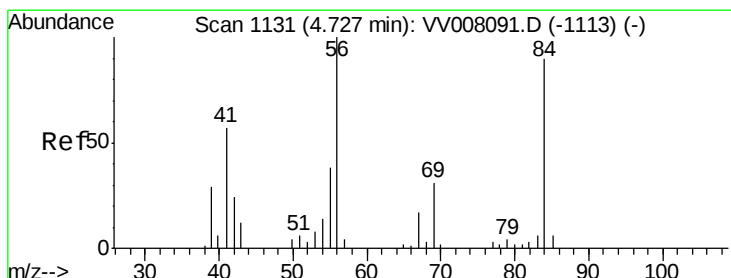
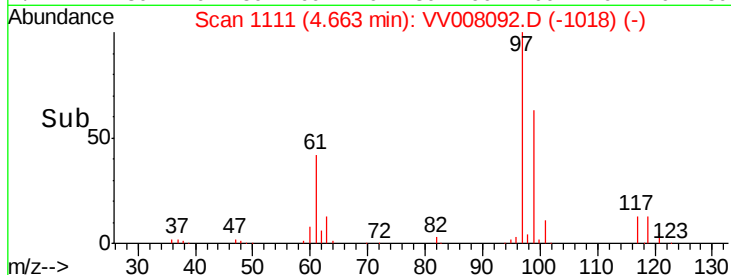
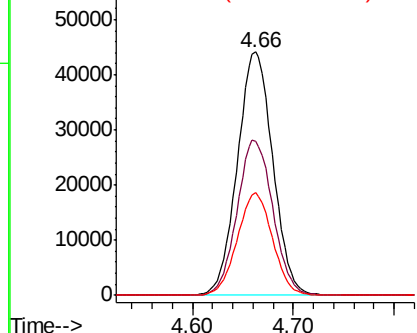
#29
 1,1,1-Trichloroethane
 Concen: 9.344 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion: 97 Resp: 107729
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.4
 61 41.9 34.0 51.0

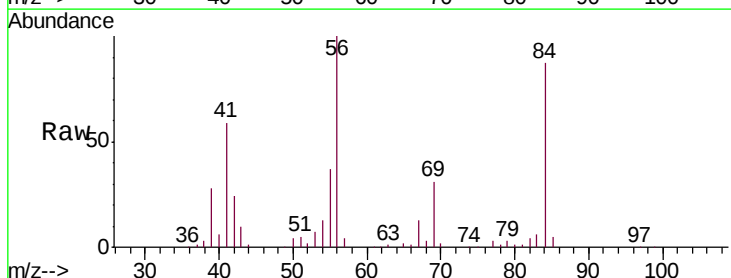


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

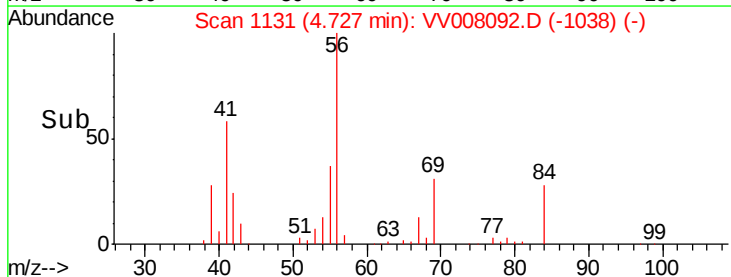
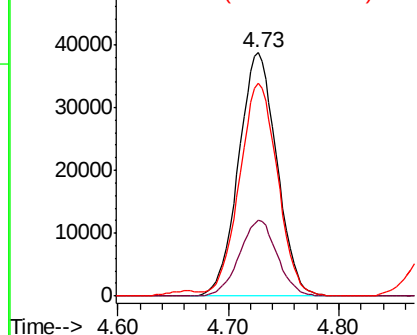


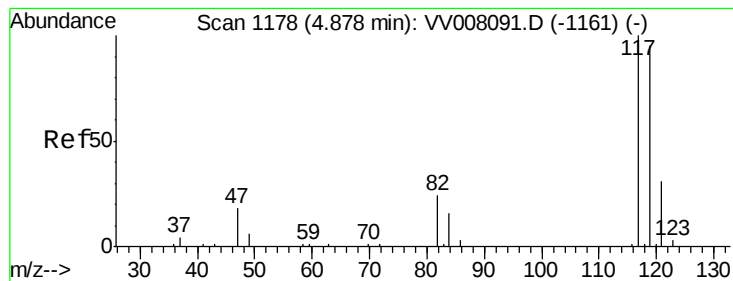
#30
 Cyclohexane
 Concen: 8.767 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion: 56 Resp: 92849
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 36.8
 84 87.7 70.7 106.1



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: 9.553 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

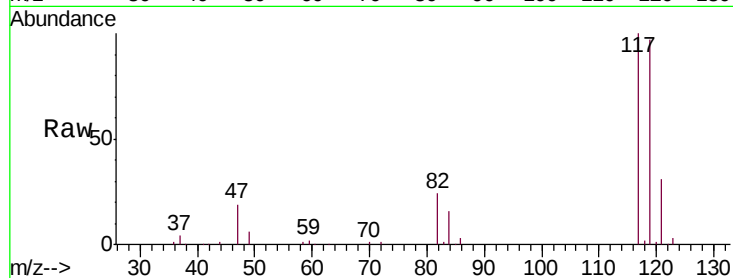
VSTD01072

Tgt Ion:117 Resp: 97268

Ion Ratio Lower Upper

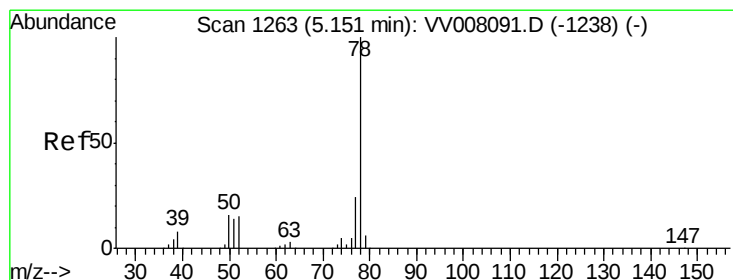
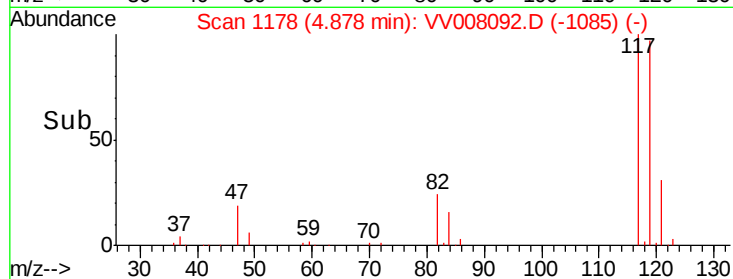
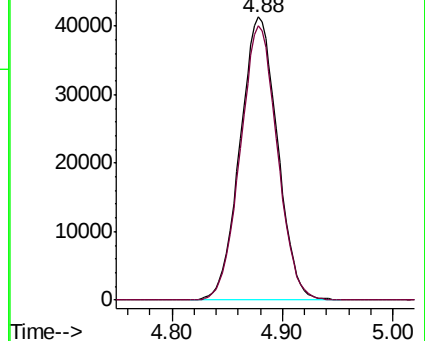
117 100

119 95.6 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: 9.289 ug/L

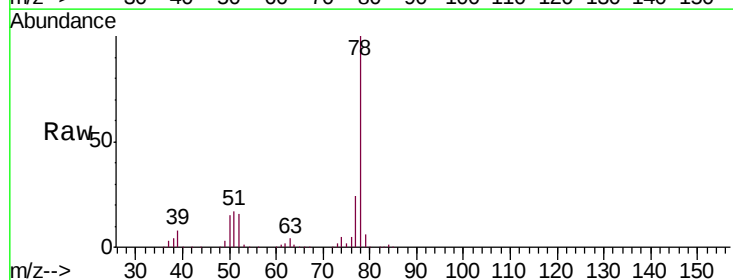
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

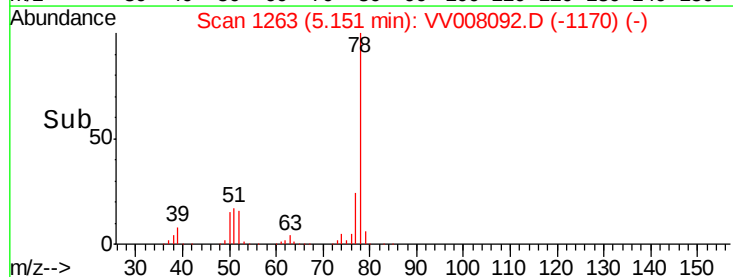
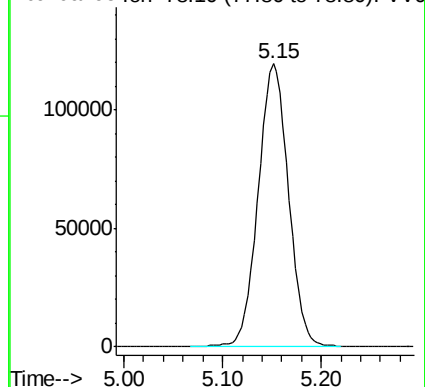
Lab File: VV008092.D

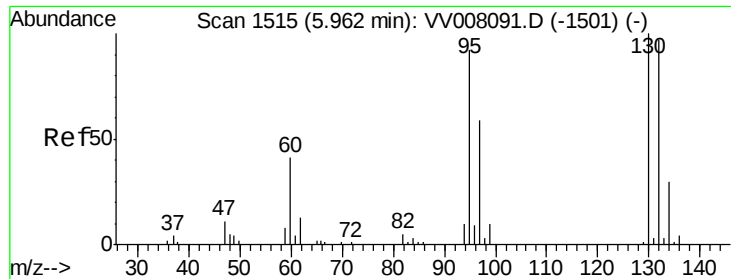
Acq: 05 Oct 2018 12:15

Tgt Ion: 78 Resp: 253723



Abundance Ion 78.10 (77.80 to 78.80): VV0

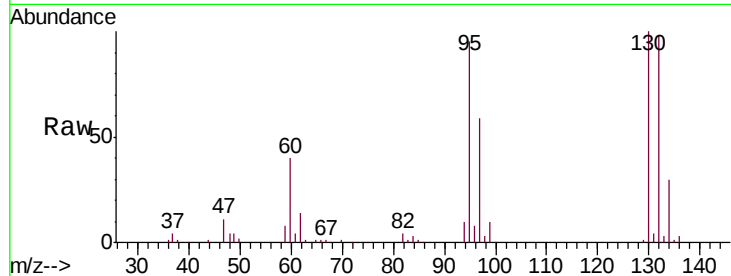




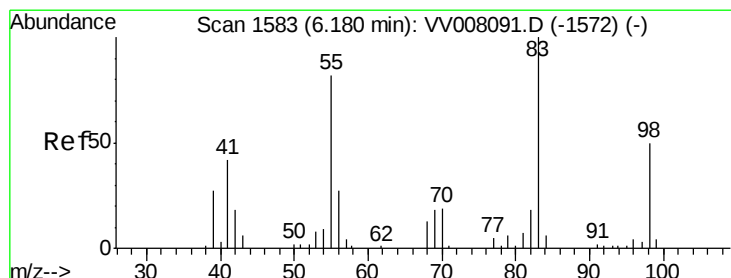
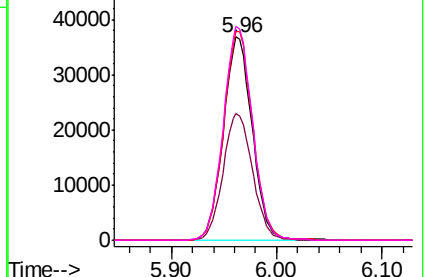
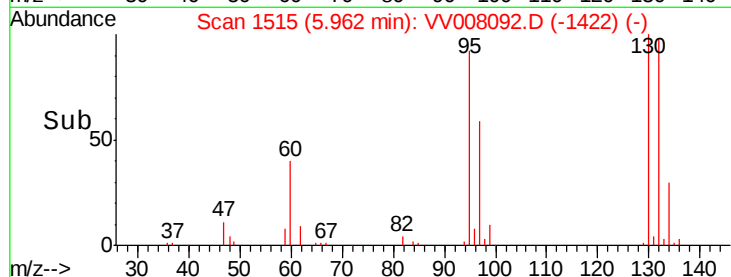
#34
 Trichloroethene
 Concen: 8.934 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion: 95 Resp: 69640
 Ion Ratio Lower Upper
 95 100
 97 62.6 44.9 83.5
 132 102.8 73.6 136.6
 130 105.2 76.2 141.6

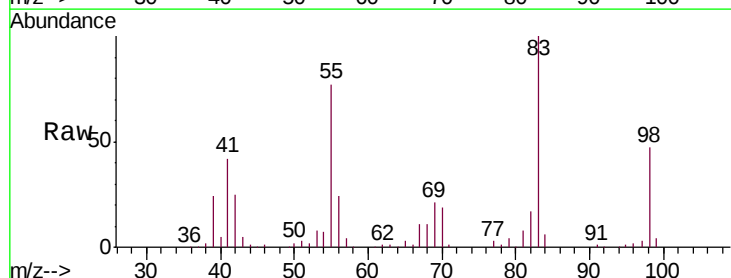


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

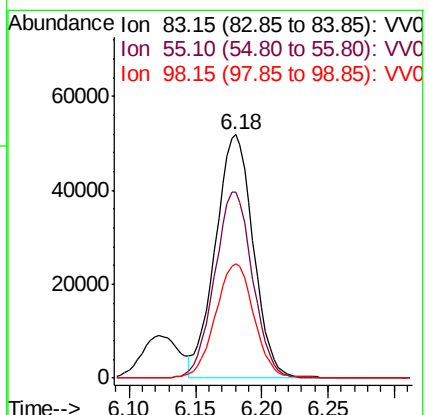
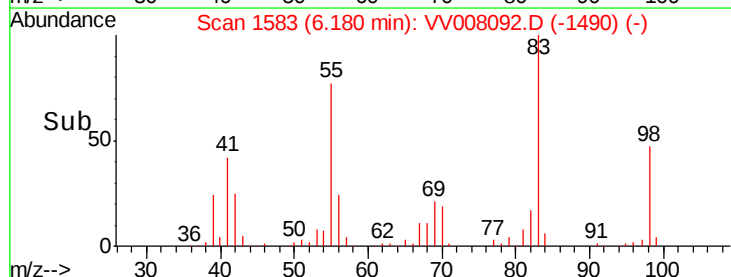


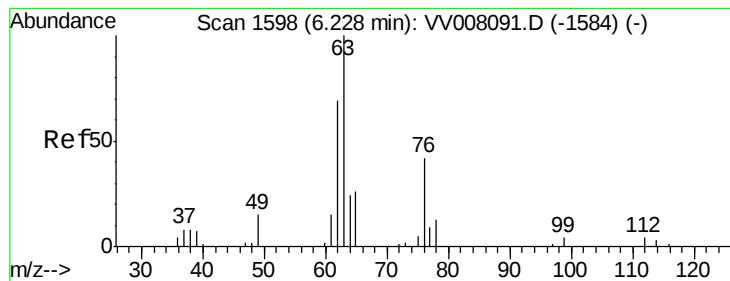
#35
 Methylcyclohexane
 Concen: 8.931 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion: 83 Resp: 103038
 Ion Ratio Lower Upper
 83 100
 55 76.9 63.6 95.4
 98 47.8 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: 9.480 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

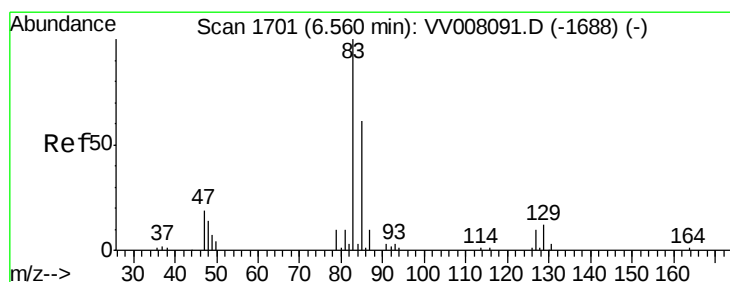
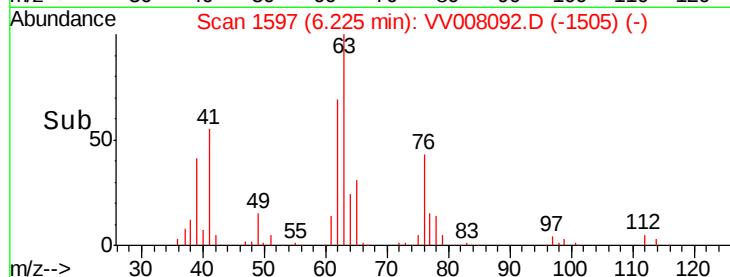
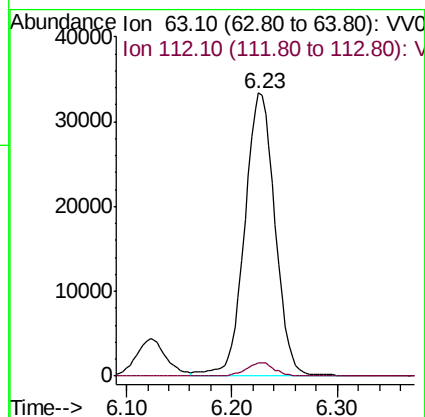
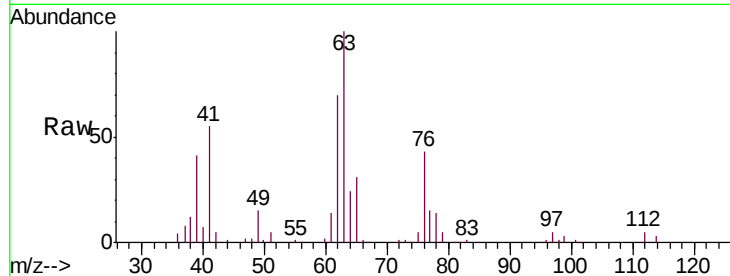
VSTD01072

Tgt Ion: 63 Resp: 66832

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#38

Bromodichloromethane

Concen: 9.889 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

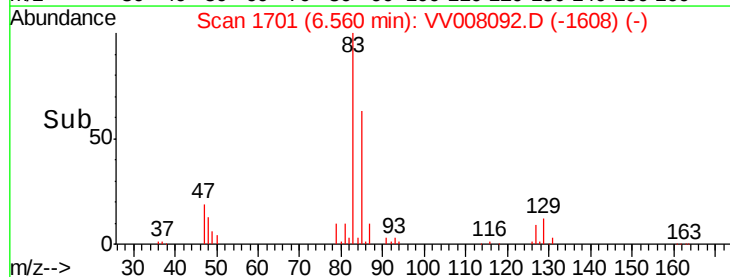
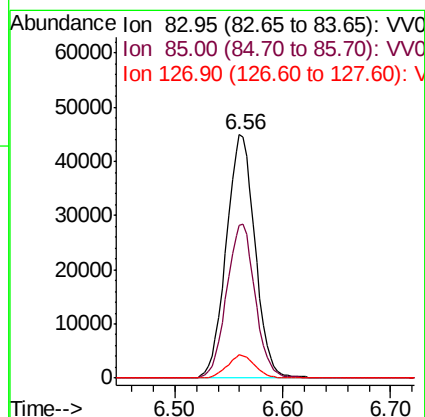
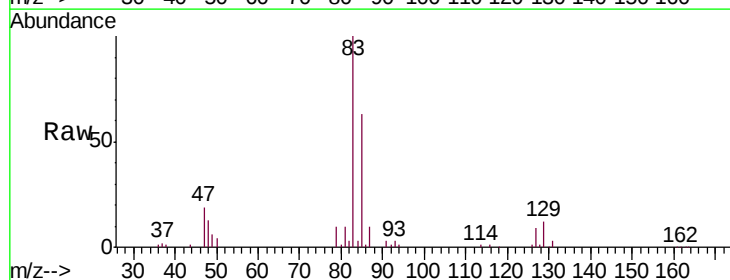
Tgt Ion: 83 Resp: 83383

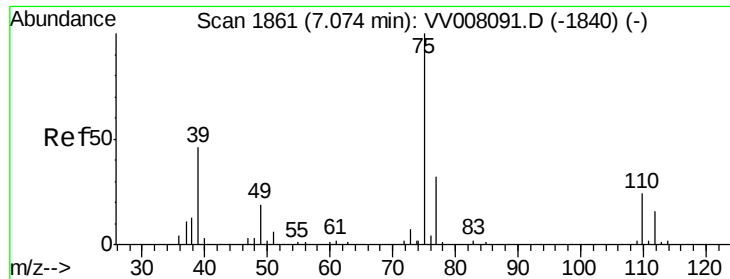
Ion Ratio Lower Upper

83 100

85 62.8 42.5 78.9

127 9.4 7.7 11.5

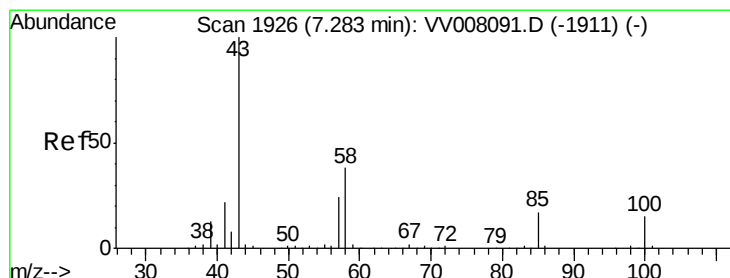
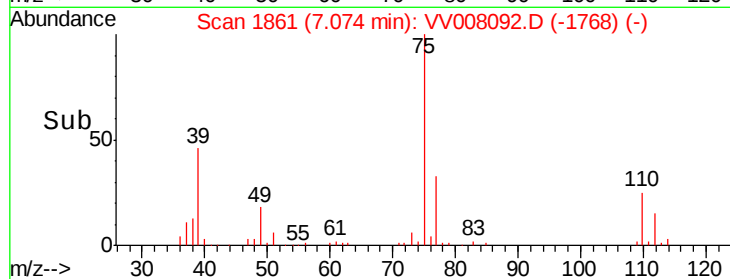
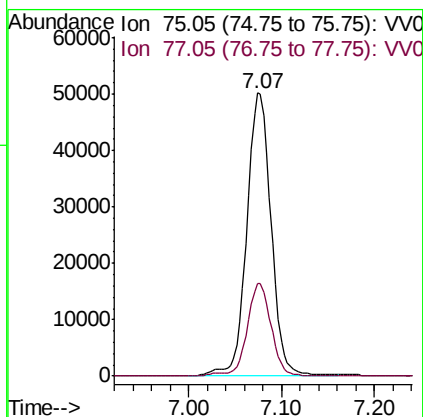
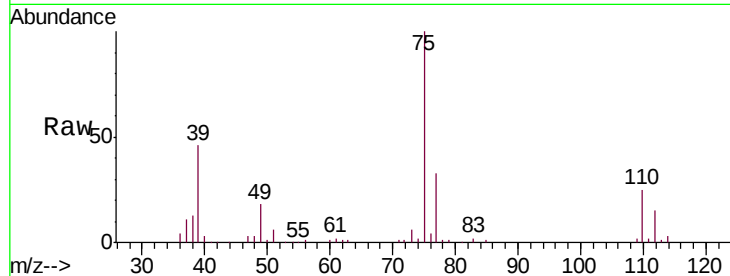




#39
 cis-1,3-Dichloropropene
 Concen: 9.785 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

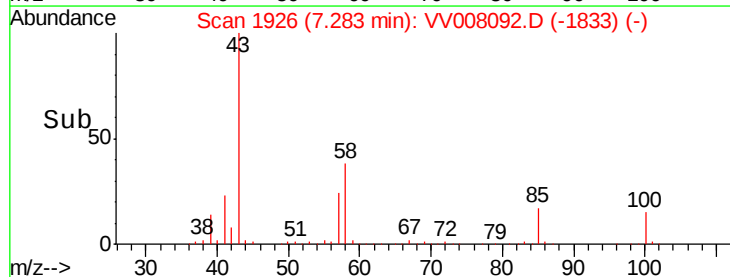
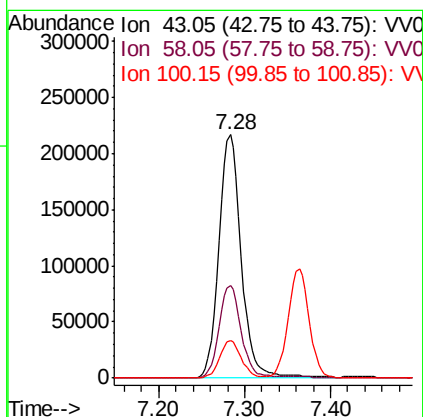
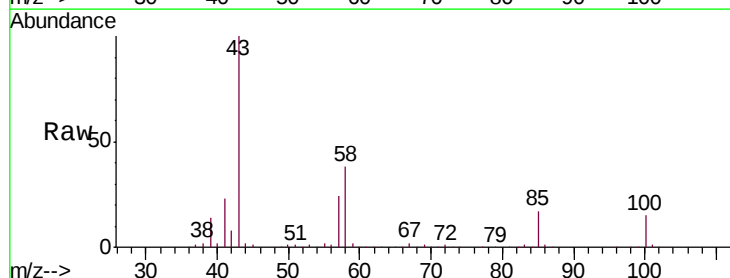
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

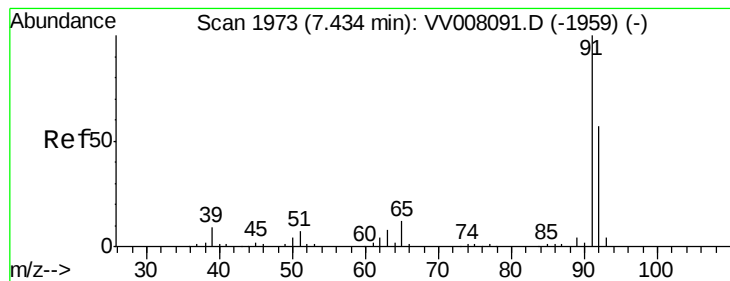
Tgt Ion: 75 Resp: 91738
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 90.109 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion: 43 Resp: 394422
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.8 44.8
 100 14.9 11.6 17.4





#42

Toluene

Concen: 9.422 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

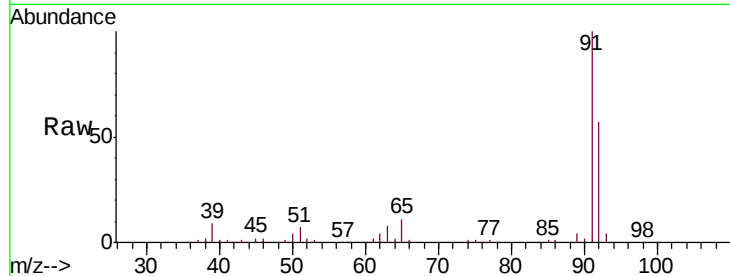
VSTD01072

Tgt Ion: 91 Resp: 280096

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



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

Ion 92.15 (91.85 to 92.85): VV008092.D (-1880) (-)

7.43

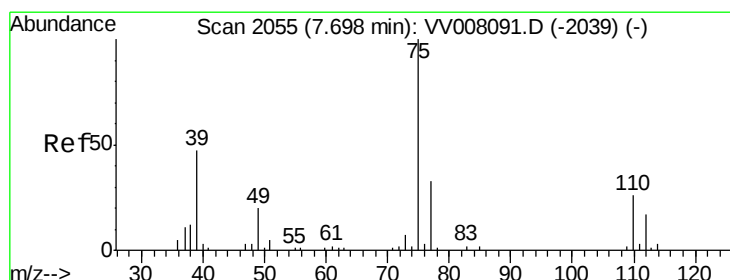
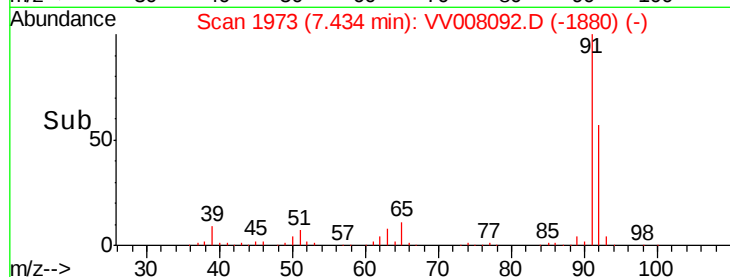
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.912 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008092.D

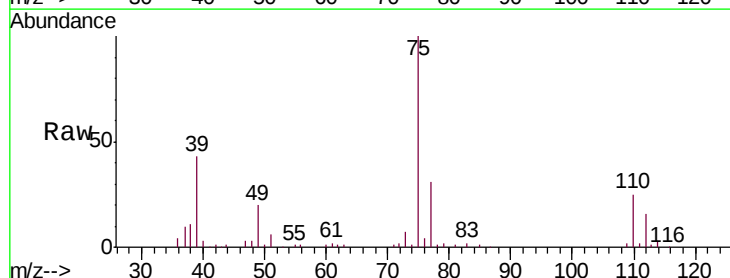
Acq: 05 Oct 2018 12:15

Tgt Ion: 75 Resp: 76943

Ion Ratio Lower Upper

75 100

77 30.6 23.4 43.6



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

Ion 77.05 (76.75 to 77.75): VV008092.D (-1962) (-)

7.70

50000

40000

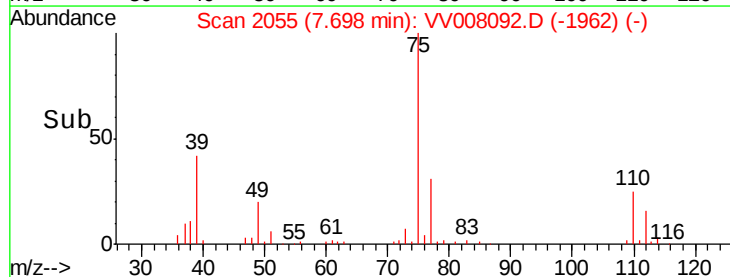
30000

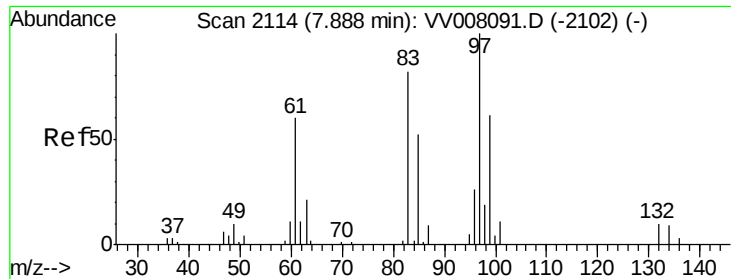
20000

10000

0

Time-->

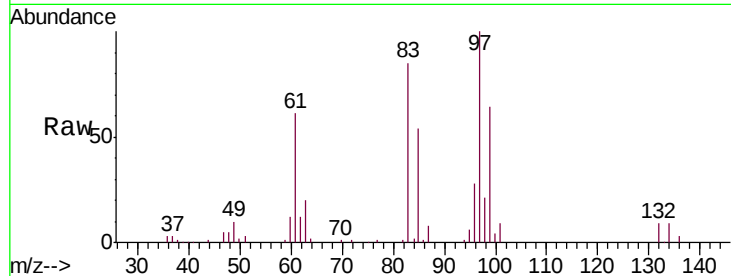




#45
 1,1,2-Trichloroethane
 Concen: 9.189 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion:	97	Resp:	46944
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.6	79.0
83	85.4	57.5	106.7
85	53.9	36.5	67.7



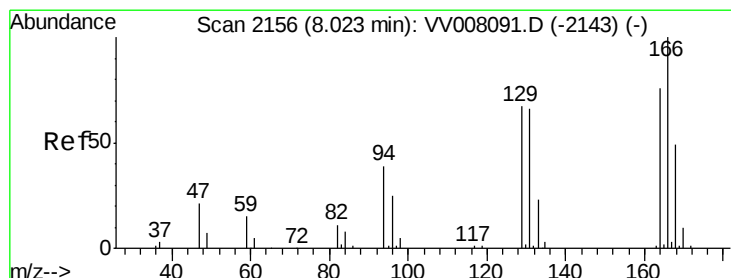
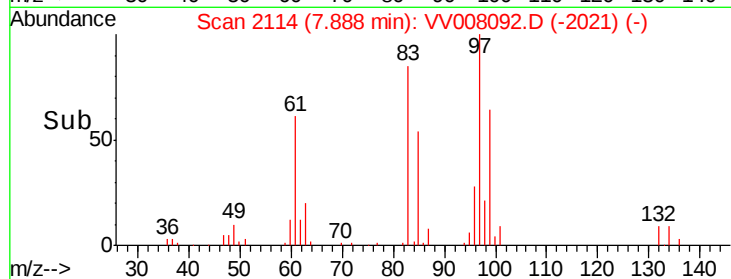
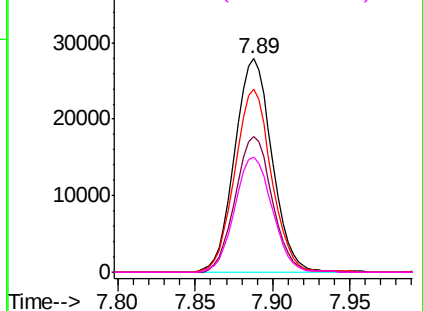
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

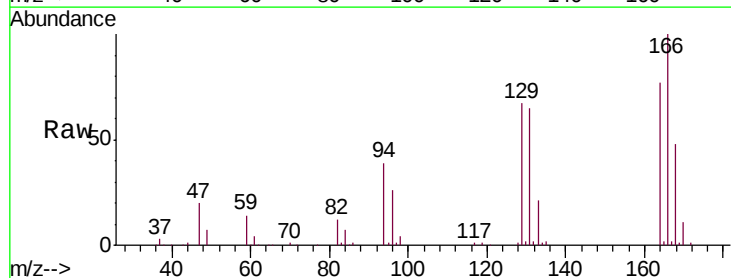
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 8.745 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion:	164	Resp:	63008
Ion	Ratio	Lower	Upper
164	100		
129	87.5	62.2	115.4
131	83.8	60.5	112.5
166	129.8	92.1	171.1



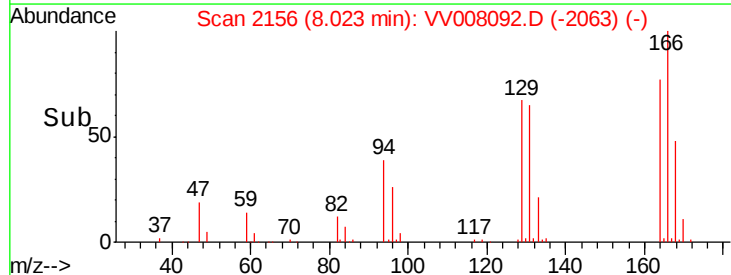
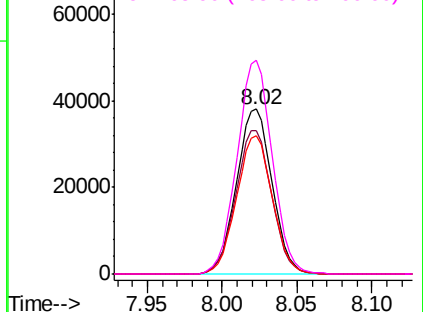
Abundance

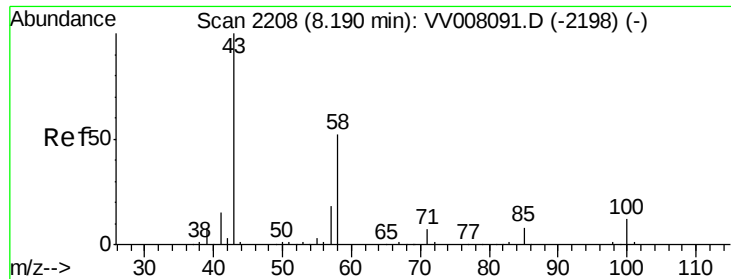
Ion 163.90 (163.60 to 164.60): V

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

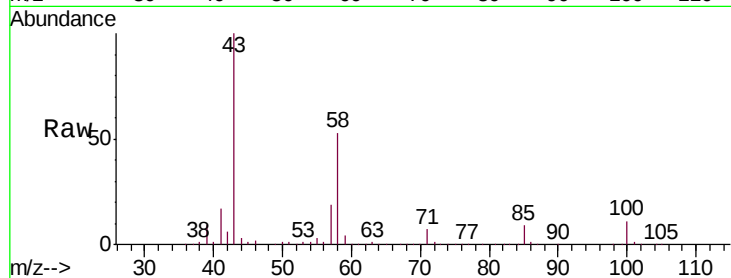




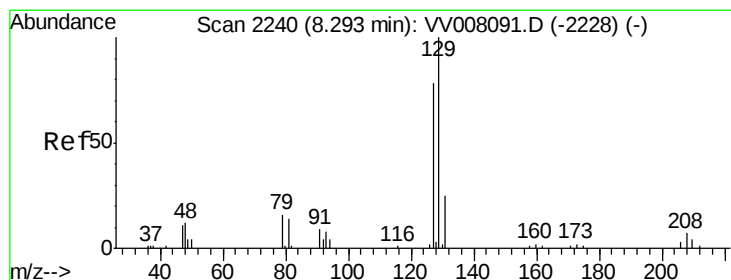
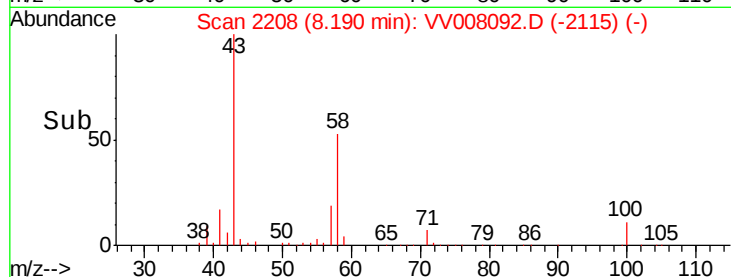
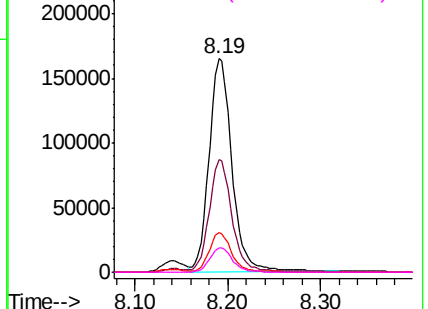
#48
2-Hexanone
Concen: 92.756 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Tgt Ion: 43 Resp: 282309
Ion Ratio Lower Upper
43 100
58 51.8 40.5 60.7
57 18.3 14.6 22.0
100 11.3 9.3 13.9

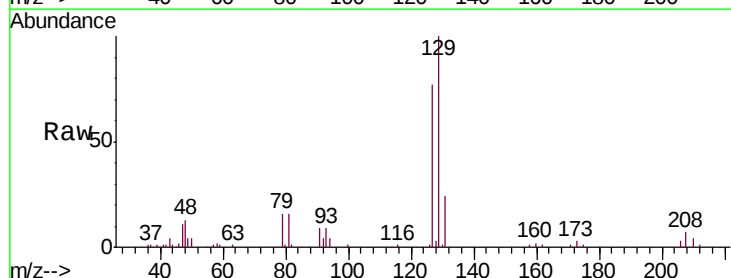


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

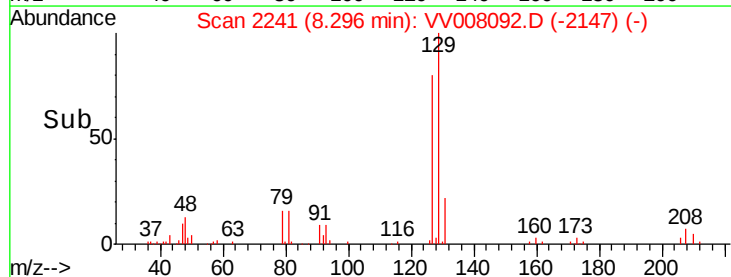
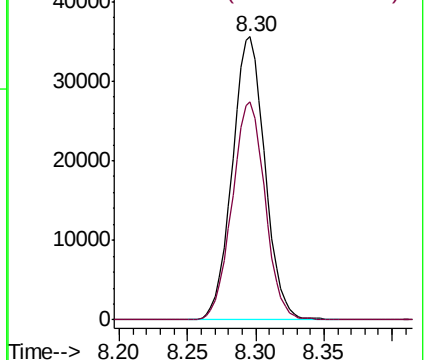


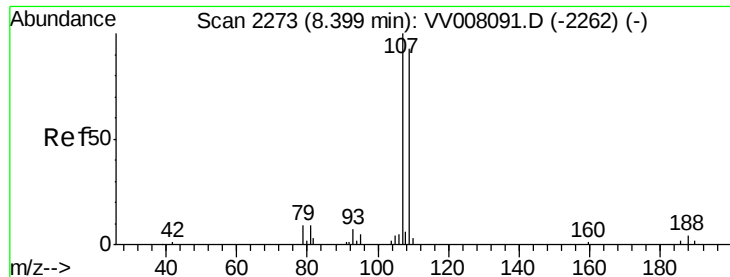
#49
Dibromochloromethane
Concen: 10.096 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Tgt Ion: 129 Resp: 59198
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.3



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

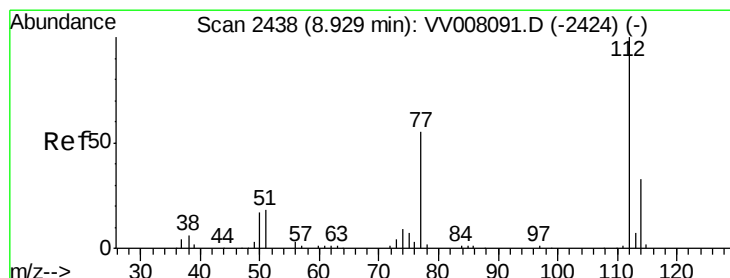
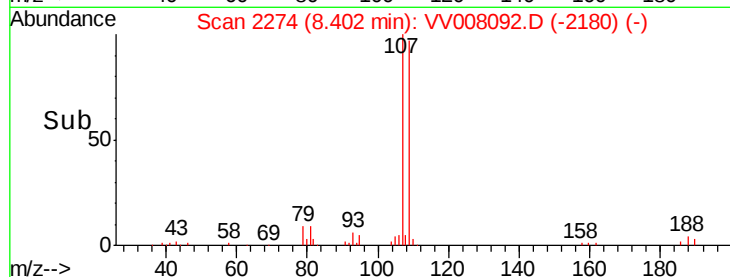
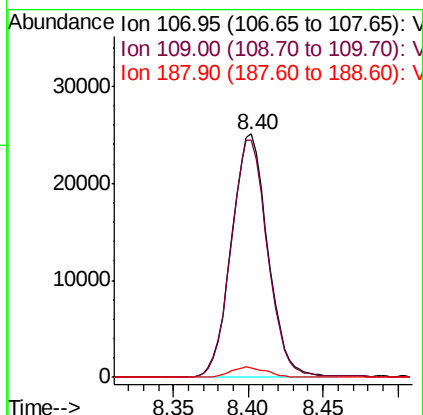
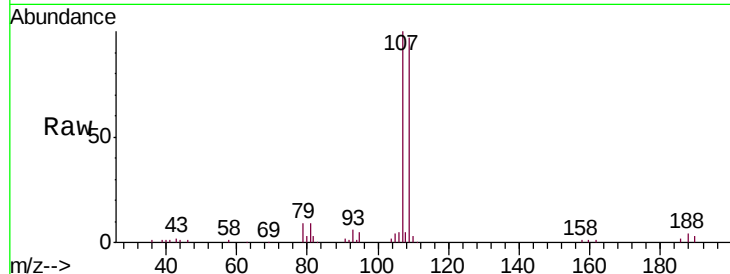




#50
1,2-Dibromoethane
Concen: 9.192 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

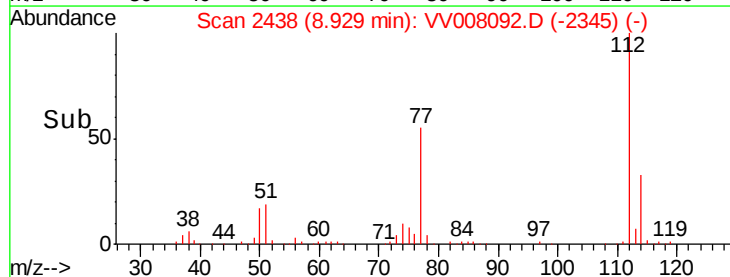
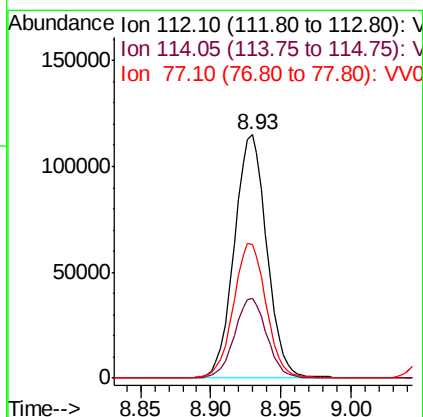
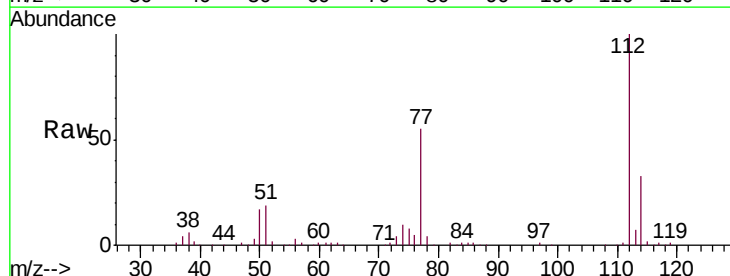
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

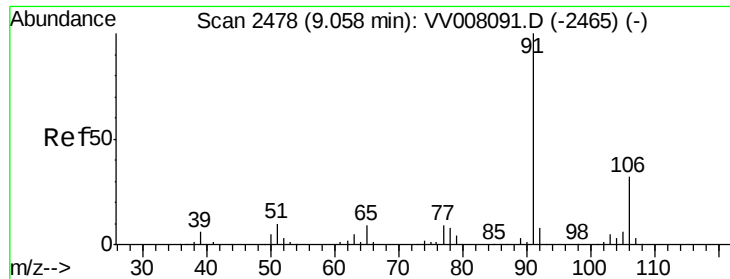
Tgt Ion:107 Resp: 42501
Ion Ratio Lower Upper
107 100
109 97.4 65.5 121.6
188 4.0 3.5 5.3



#51
Chlorobenzene
Concen: 9.034 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008092.D
Acq: 05 Oct 2018 12:15

Tgt Ion:112 Resp: 185929
Ion Ratio Lower Upper
112 100
114 32.8 22.8 42.4
77 55.0 44.6 66.8





#52

Ethylbenzene

Concen: 9.283 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

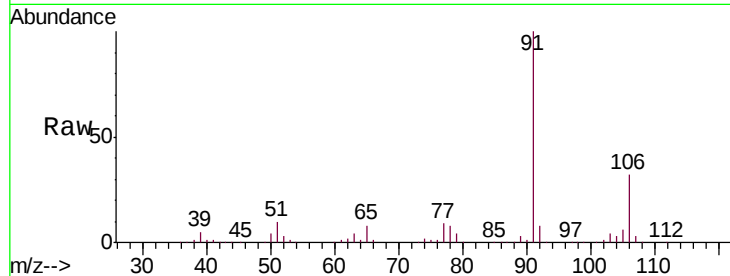
VSTD01072

Tgt Ion: 91 Resp: 306049

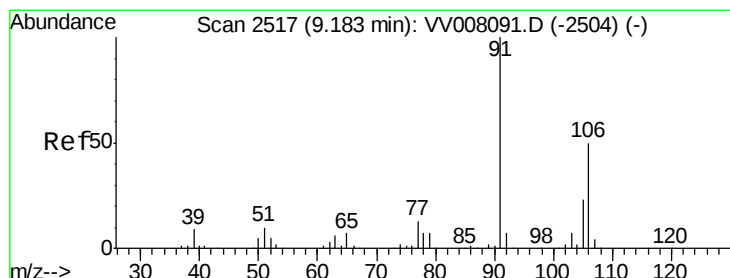
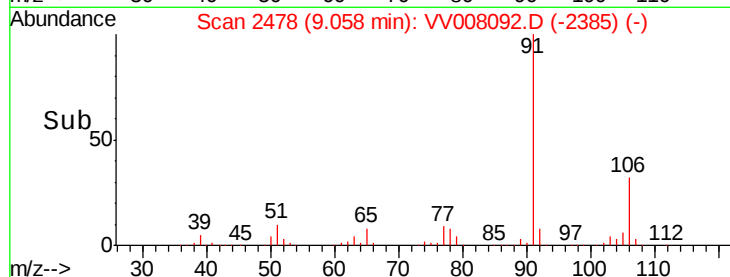
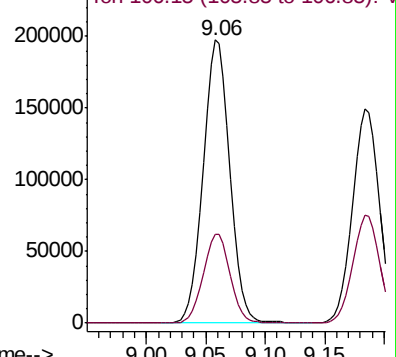
Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008091.D (-2465) (-)



#53

m,p-xylene

Concen: 9.417 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008092.D

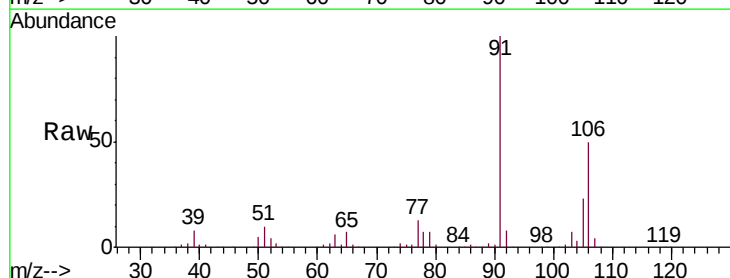
Acq: 05 Oct 2018 12:15

Tgt Ion: 106 Resp: 118661

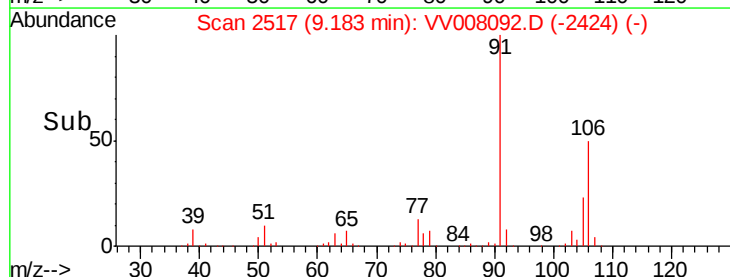
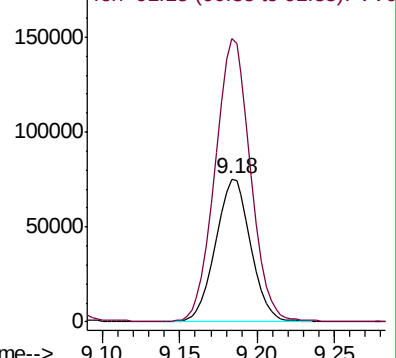
Ion Ratio Lower Upper

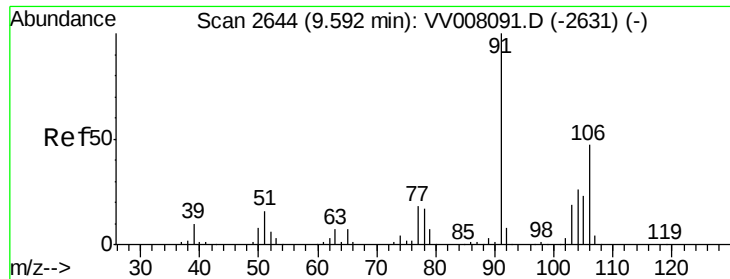
106 100

91 198.5 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008091.D (-2504) (-)





#54

o-xylene

Concen: 9.473 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

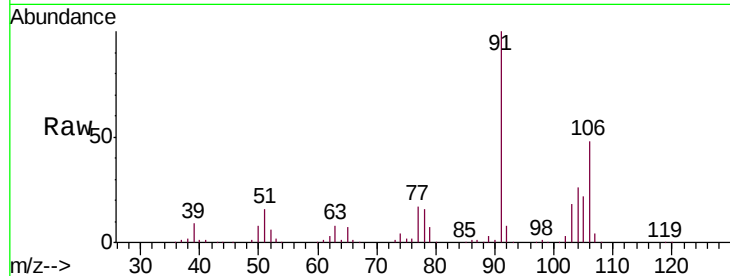
VSTD01072

Tgt Ion:106 Resp: 114817

Ion Ratio Lower Upper

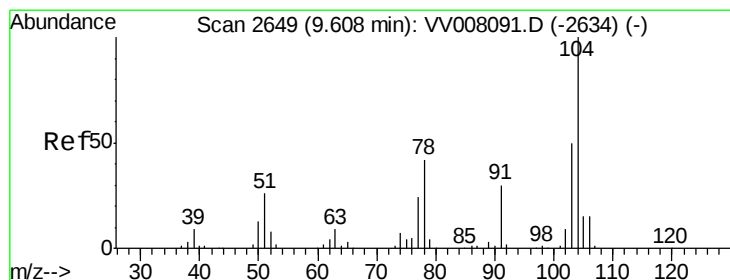
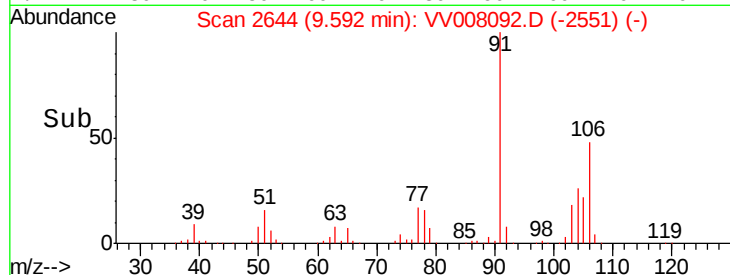
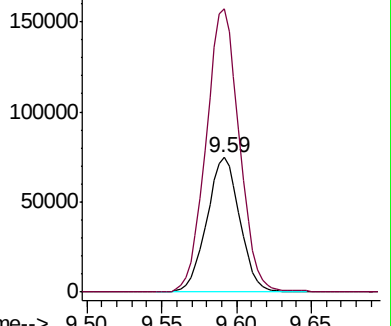
106 100

91 210.1 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 9.710 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008092.D

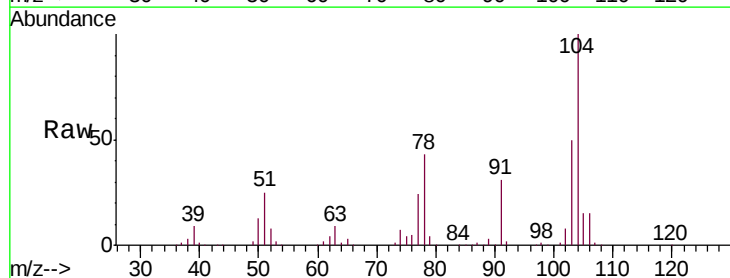
Acq: 05 Oct 2018 12:15

Tgt Ion:104 Resp: 201475

Ion Ratio Lower Upper

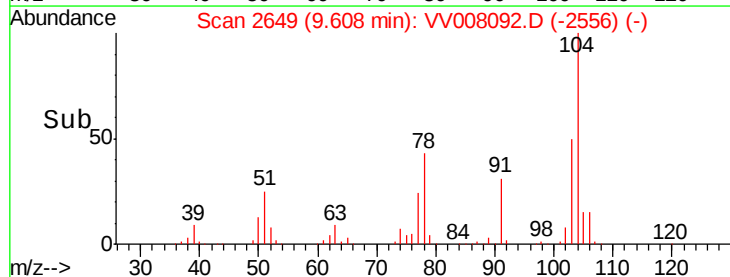
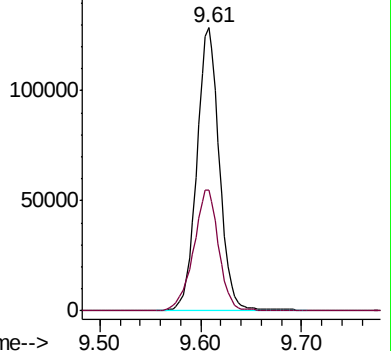
104 100

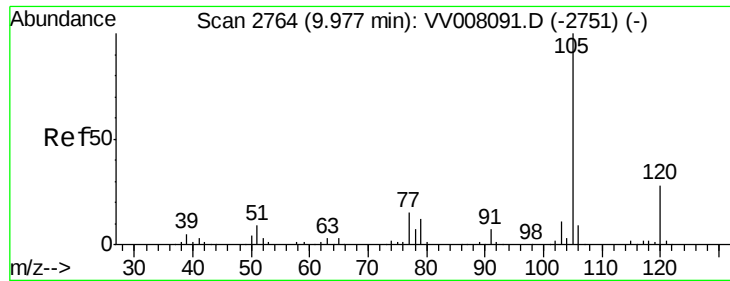
78 42.5 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 9.561 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampled :

VSTD01072

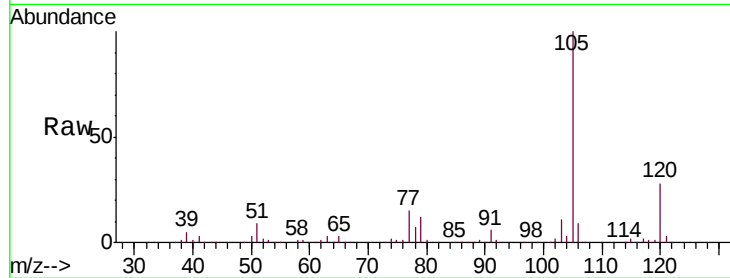
Tgt Ion: 105 Resp: 313847

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

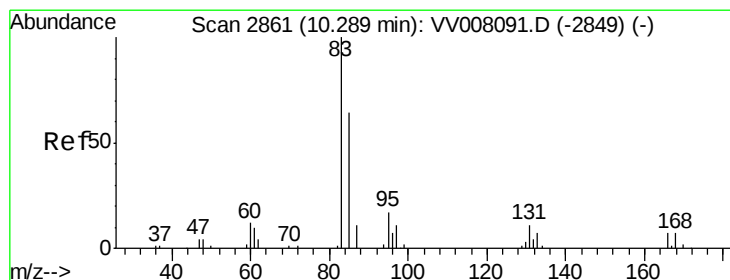
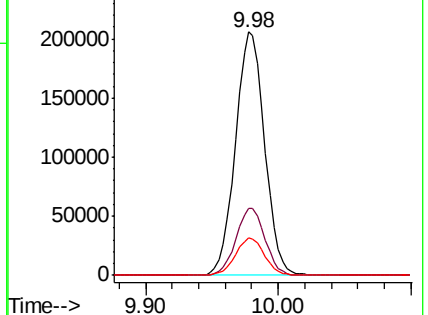
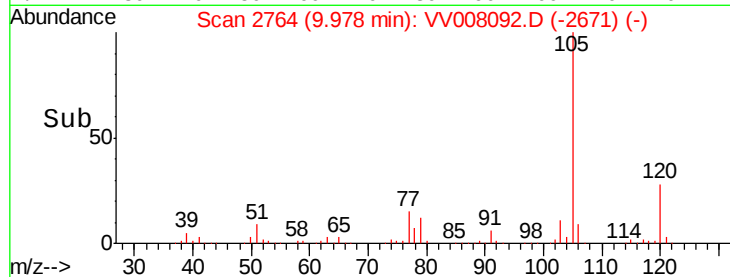
77 15.3 12.2 18.4



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: 9.250 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

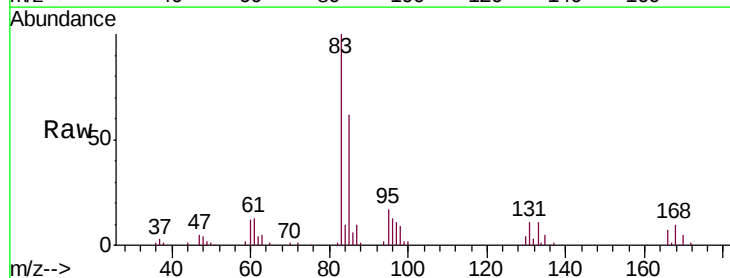
Tgt Ion: 83 Resp: 55097

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

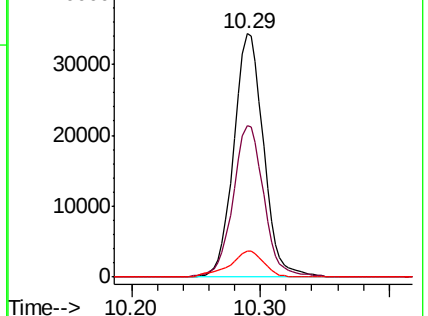
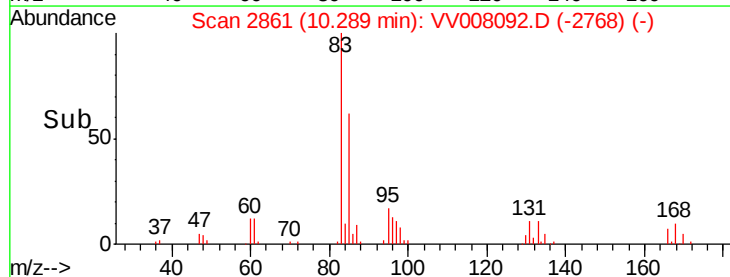
131 10.6 8.8 13.2

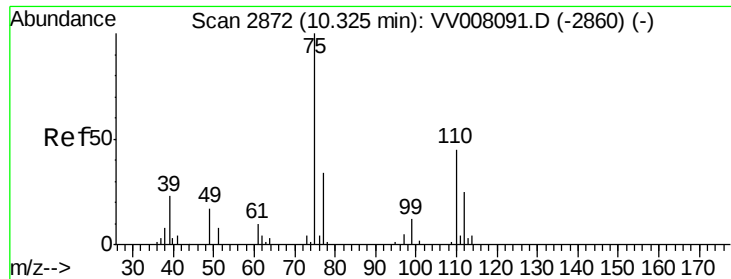


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.974 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

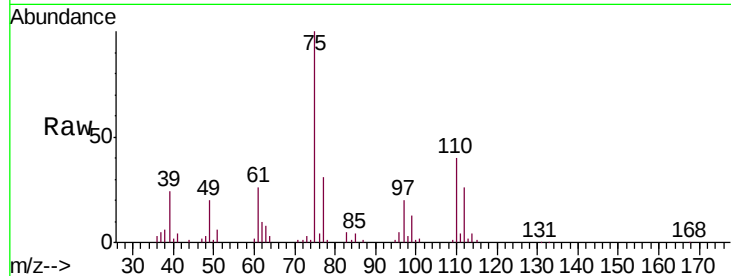
VSTD01072

Tgt Ion: 75 Resp: 39094

Ion Ratio Lower Upper

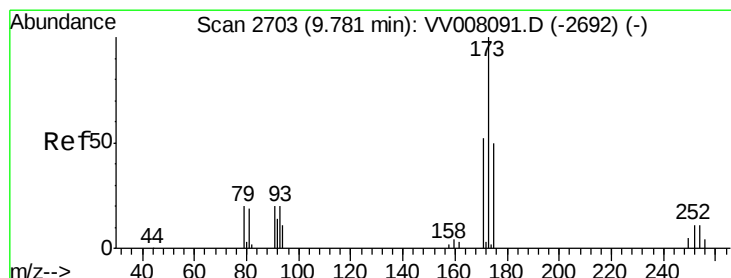
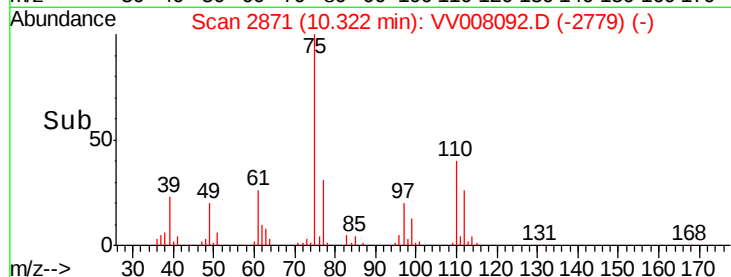
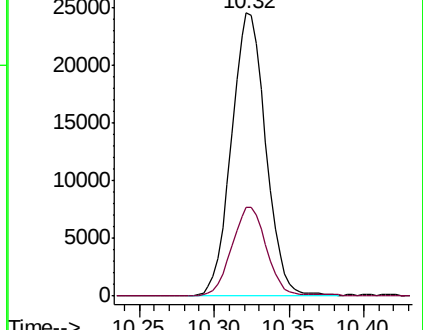
75 100

77 31.9 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV008092.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV008092.D (-2860) (-)



#61

Bromoform

Concen: 10.260 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

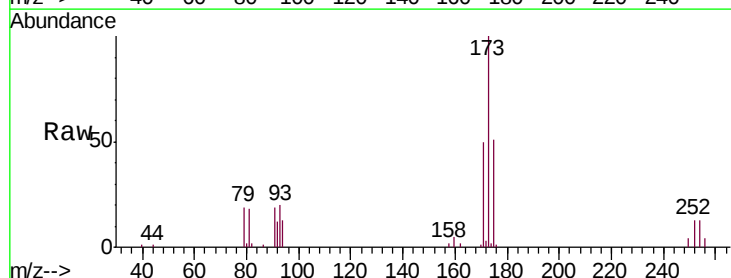
Tgt Ion: 173 Resp: 33656

Ion Ratio Lower Upper

173 100

175 49.0 39.8 59.8

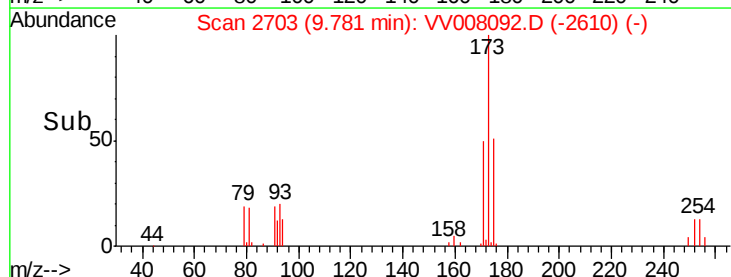
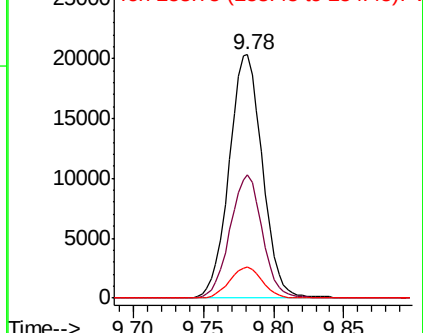
254 12.4 9.4 14.0

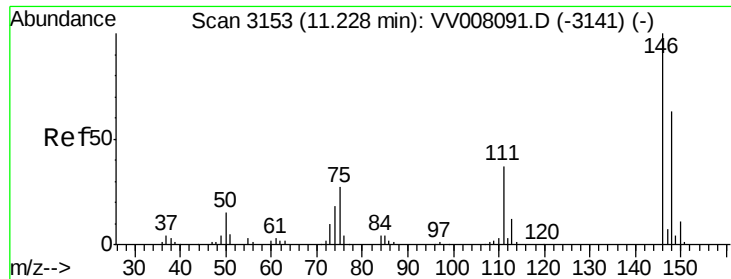


Abundance Ion 172.90 (172.60 to 173.60): VV008092.D (-2610) (-)

Ion 174.90 (174.60 to 175.60): VV008092.D (-2610) (-)

Ion 253.75 (253.45 to 254.45): VV008092.D (-2610) (-)

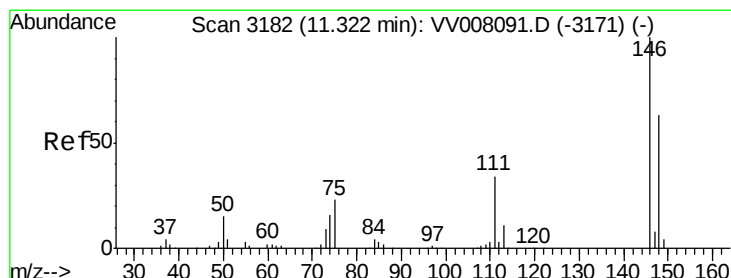
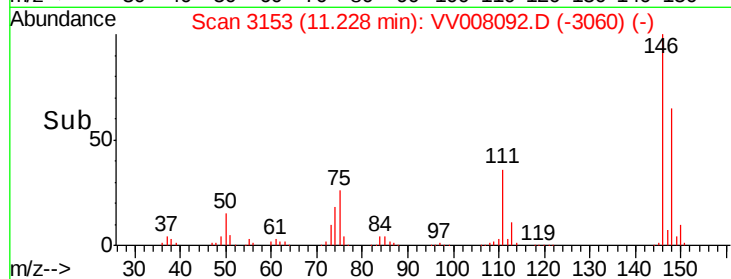
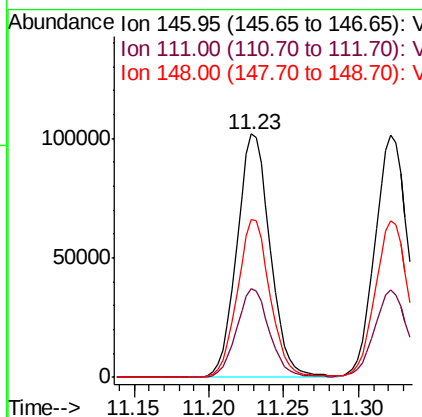
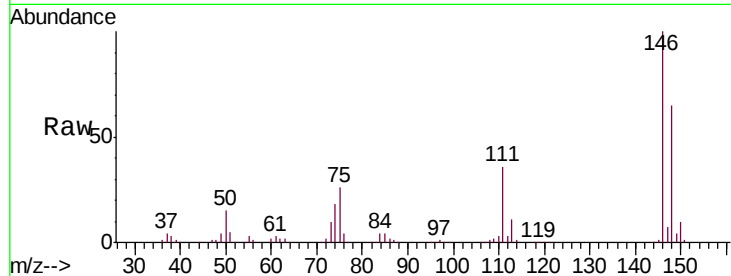




#62
 1,3-Dichlorobenzene
 Concen: 9.068 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

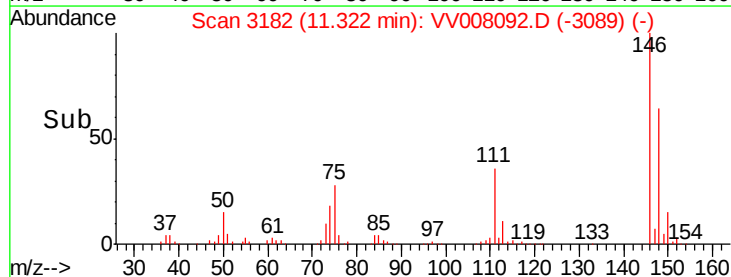
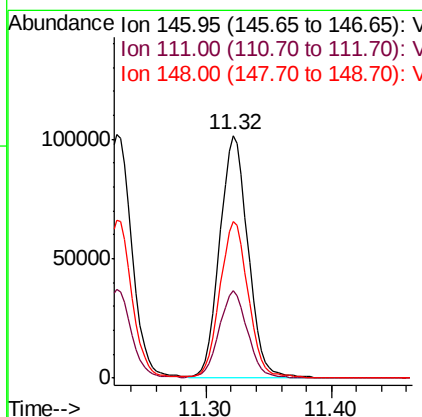
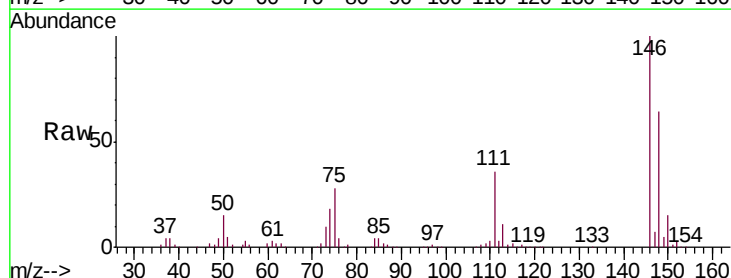
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

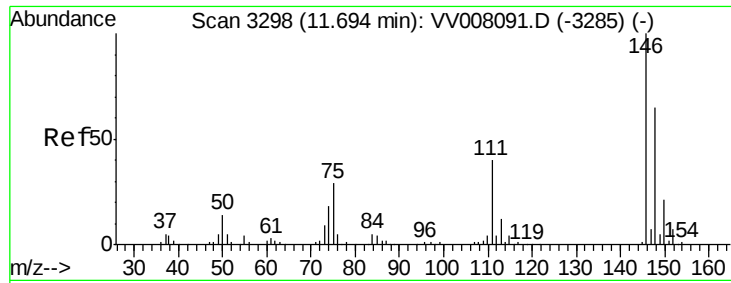
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	25.8	48.0
148	64.6	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 8.815 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	24.2	45.0
148	64.5	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 9.277 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

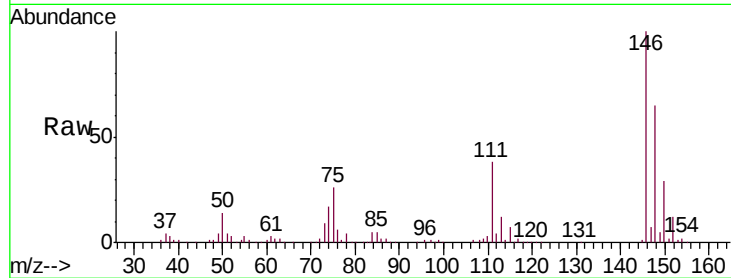
Tgt Ion:146 Resp: 152612

Ion Ratio Lower Upper

146 100

111 37.7 31.8 47.6

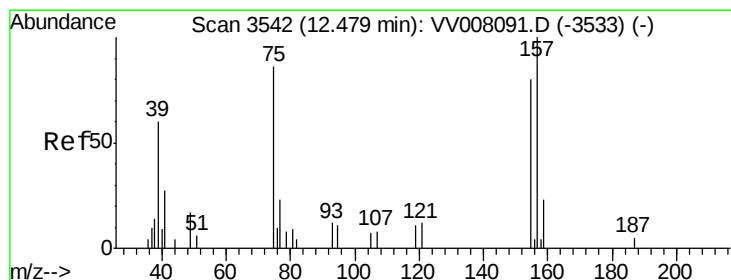
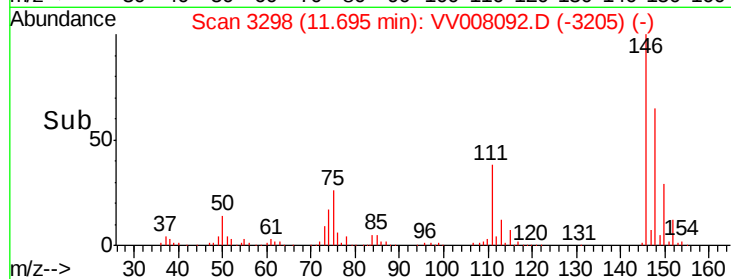
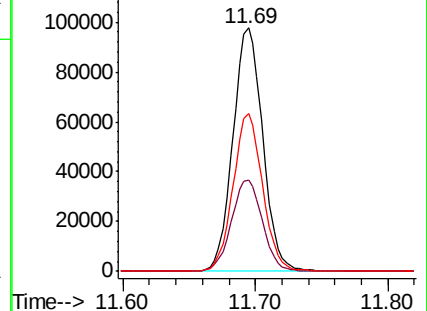
148 64.8 52.2 78.2



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: 9.159 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

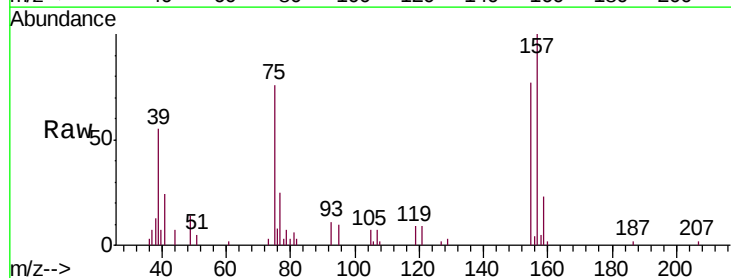
Tgt Ion: 75 Resp: 7742

Ion Ratio Lower Upper

75 100

155 101.2 74.7 112.1

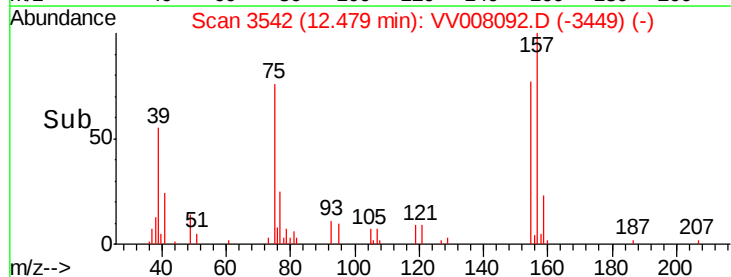
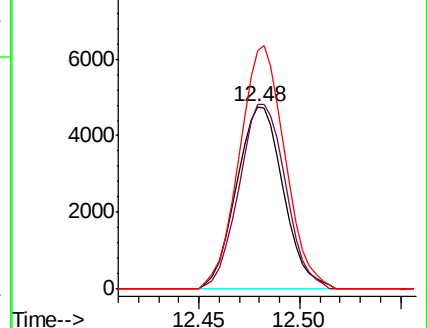
157 130.8 93.1 139.7

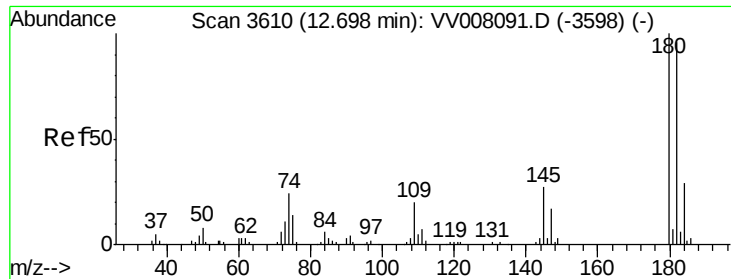


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

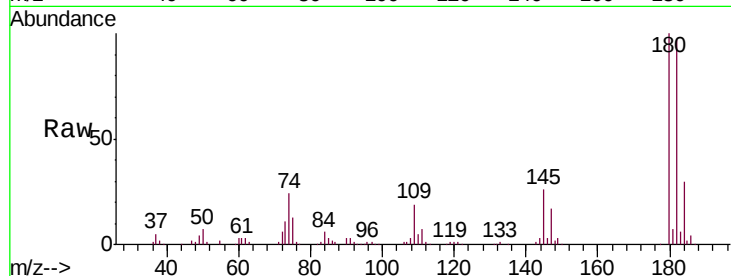




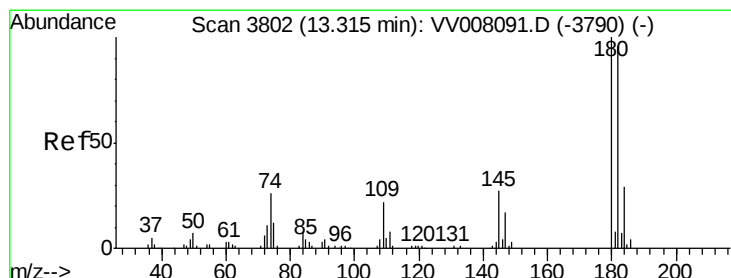
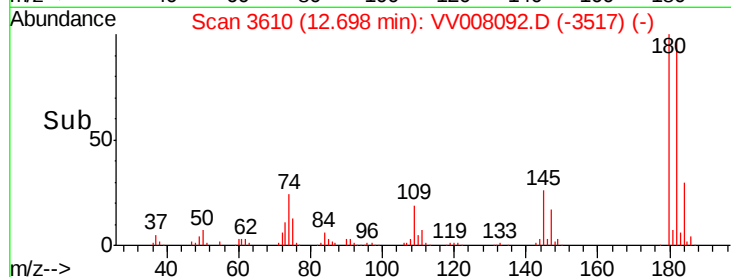
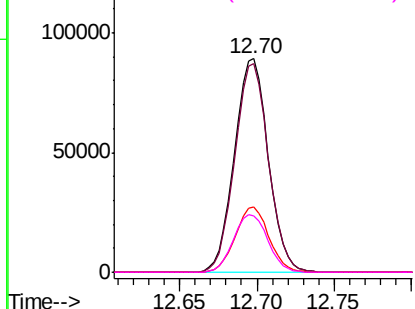
#67
 1,3,5-Trichlorobenzene
 Concen: 9.112 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.0	115.6
184	30.2	24.2	36.2
145	27.4	22.2	33.2

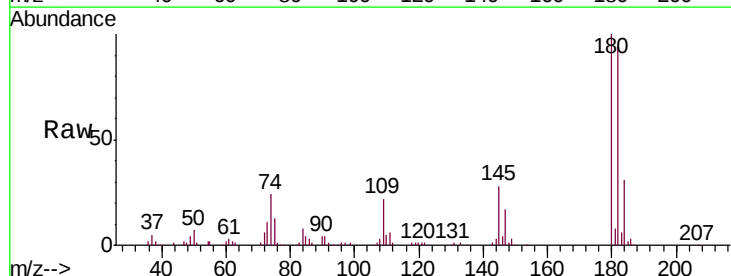


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

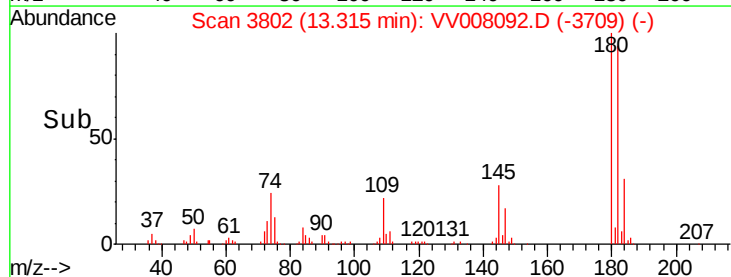
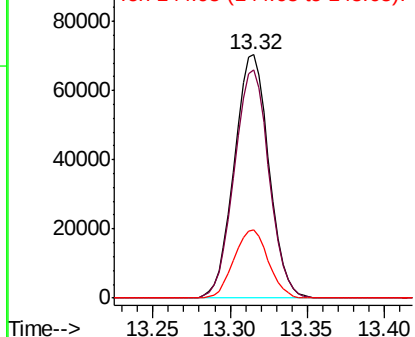


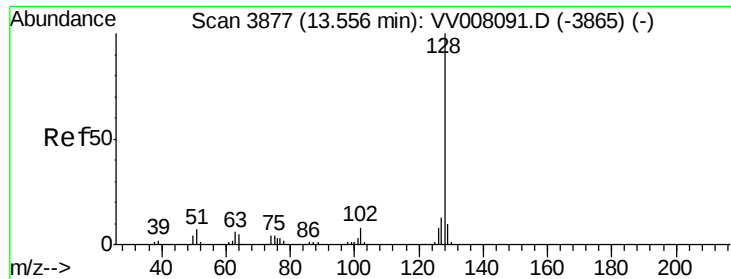
#68
 1,2,4-trichlorobenzene
 Concen: 8.791 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008092.D
 Acq: 05 Oct 2018 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	114.8
145	27.7	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: 8.497 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

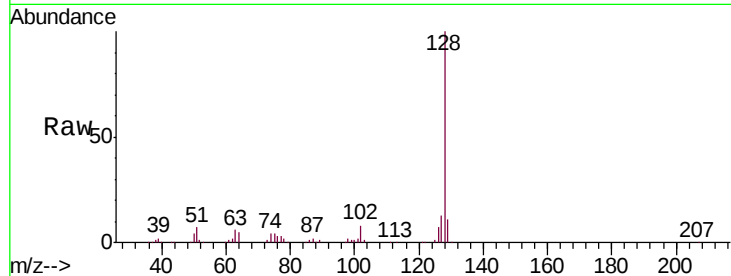
Tgt Ion:128 Resp: 144582

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

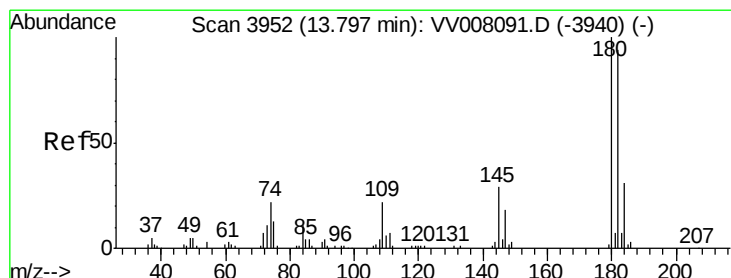
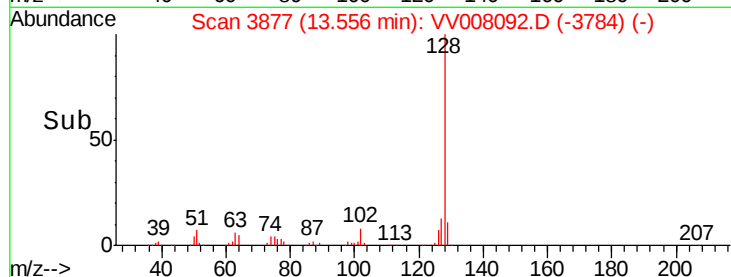
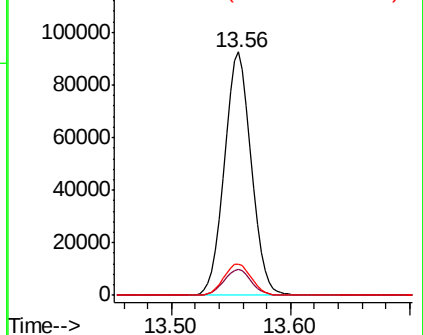
127 13.2 10.2 15.2



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: 8.903 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008092.D

Acq: 05 Oct 2018 12:15

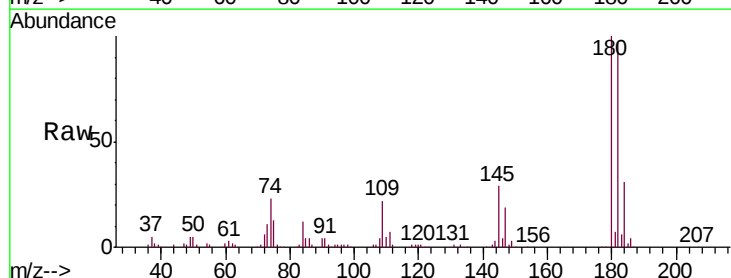
Tgt Ion:180 Resp: 100497

Ion Ratio Lower Upper

180 100

182 96.6 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

