

Data File : VV008088.D
Acq On : 05 Oct 2018 10:12
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Quant Time: Oct 06 00:56:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 00:55:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	99324	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	96135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50330	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28811	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.59	69	24020	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.14	63	57235	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	3.96	46	70203	47.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.72%
24) Chloroform-d	4.41	84	60540	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.09	65	29596	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.10	84	115760	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.12	67	35634	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.36	98	114843	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.67	79	13246	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.14	63	51476	47.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.24%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25695	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	44485	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35990	5.344	ug/L 96
3) Chloromethane	1.25	50	28772	5.069	ug/L 97
5) Vinyl chloride	1.32	62	32978	5.219	ug/L 100
6) Bromomethane	1.54	94	15759	5.264	ug/L 92
8) Chloroethane	1.60	64	20026	4.742	ug/L 94
9) Trichlorofluoromethane	1.77	101	55890	5.163	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32868	5.106	ug/L 98
12) 1,1-Dichloroethene	2.14	96	27969	5.198	ug/L 94
13) Acetone	2.21	43	46307	46.595	ug/L 99
14) Carbon disulfide	2.32	76	69101	5.046	ug/L 99
15) Methyl Acetate	2.47	43	11704	4.961	ug/L 96
16) Methylene chloride	2.54	84	30147	4.618	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	69184	5.129	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	29881	5.088	ug/L 97
19) 1,1-Dichloroethane	3.23	63	56372	5.041	ug/L 99
21) 2-Butanone	4.05	43	78589	49.019	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	34092	5.147	ug/L 98

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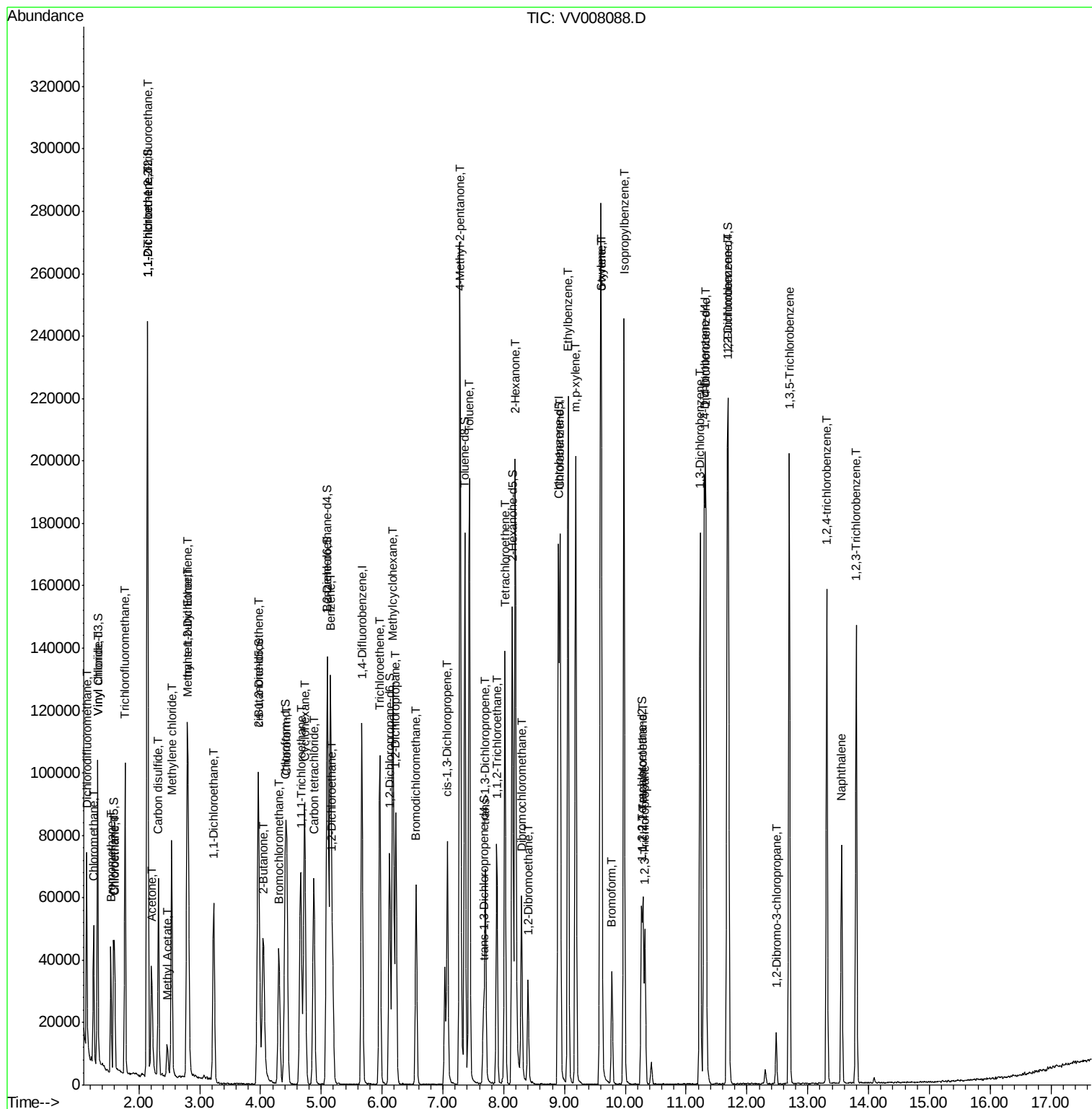
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15576	5.179	ug/L	98
25) Chloroform	4.43	83	62014	5.153	ug/L	99
27) 1,2-Dichloroethane	5.18	62	36707	5.192	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	54449	5.100	ug/L	99
30) Cyclohexane	4.72	56	45664	5.150	ug/L	100
31) Carbon tetrachloride	4.88	117	48738	5.081	ug/L	99
33) Benzene	5.15	78	128356	5.291	ug/L	100
34) Trichloroethene	5.96	95	34804	4.917	ug/L	100
35) Methylcyclohexane	6.18	83	50052	5.061	ug/L	99
37) 1,2-Dichloropropane	6.23	63	34148	5.217	ug/L	99
38) Bromodichloromethane	6.56	83	40580	5.068	ug/L	92
39) cis-1,3-Dichloropropene	7.07	75	42593	5.075	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	191249	51.558	ug/L	99
42) Toluene	7.43	91	137822	5.348	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	36783	5.389	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	23284	5.072	ug/L	95
47) Tetrachloroethene	8.02	164	32440	5.131	ug/L	96
48) 2-Hexanone	8.19	43	135062	53.633	ug/L	98
49) Dibromochloromethane	8.29	129	28701	5.011	ug/L	98
50) 1,2-Dibromoethane	8.40	107	21181	5.082	ug/L	96
51) Chlorobenzene	8.93	112	93495	5.188	ug/L	98
52) Ethylbenzene	9.06	91	149118	5.302	ug/L	99
53) m,p-xylene	9.18	106	57180	5.363	ug/L	100
54) o-xylene	9.59	106	54395	5.344	ug/L	100
55) Styrene	9.61	104	94809	5.469	ug/L	99
56) Isopropylbenzene	9.98	105	152267	5.438	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	27099	5.092	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	19582	5.124	ug/L	97
61) Bromoform	9.78	173	16186	5.223	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	77855	5.196	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	79477	5.203	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	74319	5.134	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3968	5.248	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	67470	5.284	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	51347	5.391	ug/L	98
69) Naphthalene	13.56	128	63793	5.246	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	48290	5.331	ug/L	98

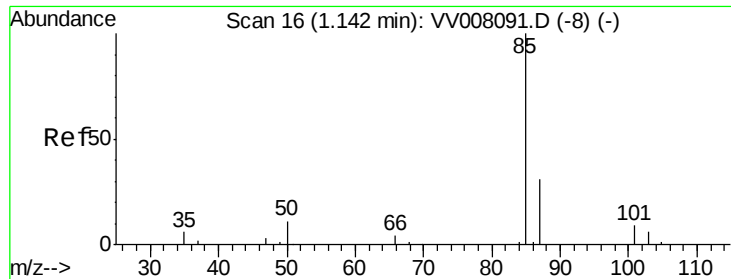
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.344 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

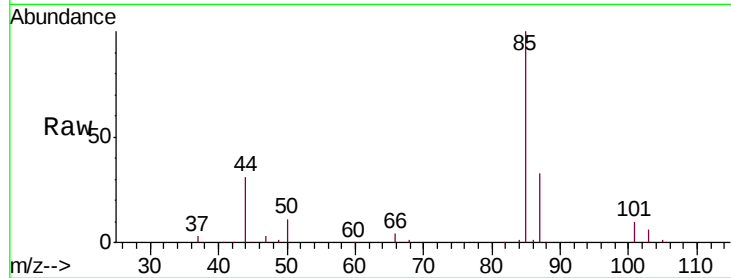
VSTD00573

Tgt Ion: 85 Resp: 35990

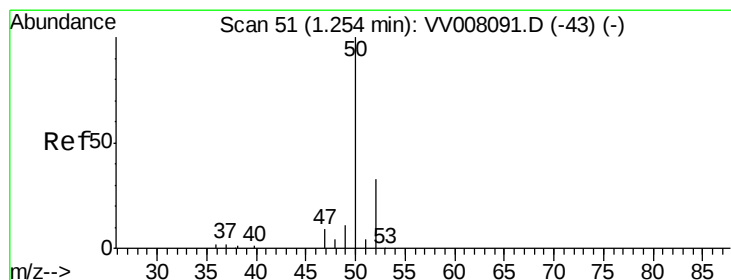
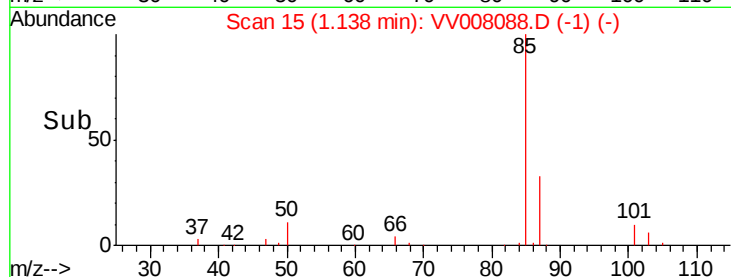
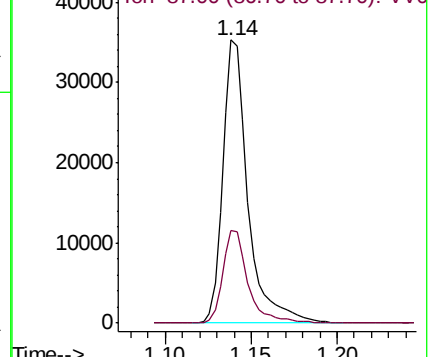
Ion Ratio Lower Upper

85 100

87 33.0 24.6 37.0



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



#3

Chloromethane

Concen: 5.069 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008088.D

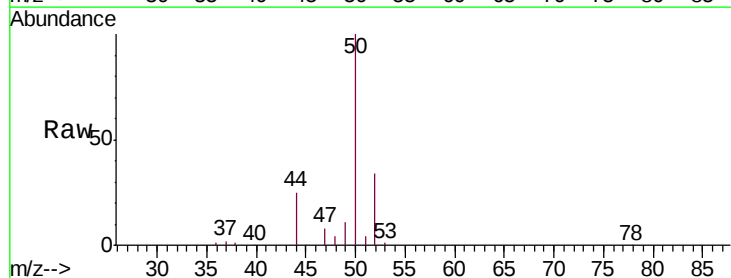
Acq: 05 Oct 2018 10:12

Tgt Ion: 50 Resp: 28772

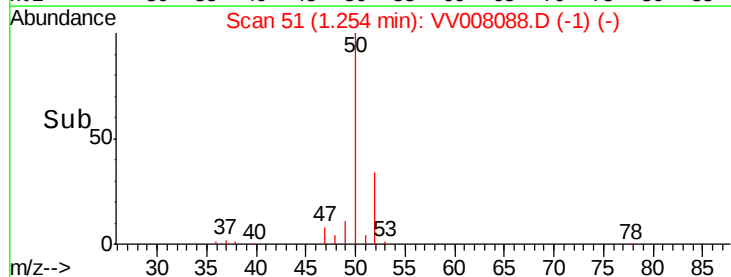
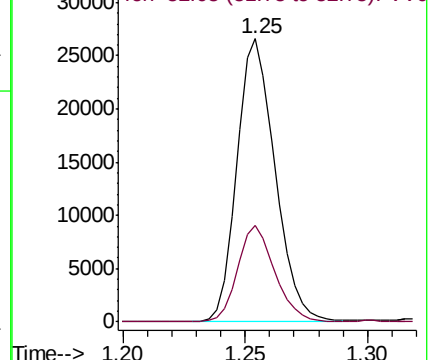
Ion Ratio Lower Upper

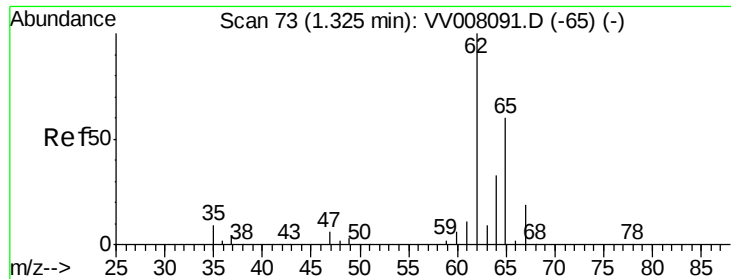
50 100

52 34.3 22.9 42.5



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





#5

Vinyl chloride

Concen: 5.219 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

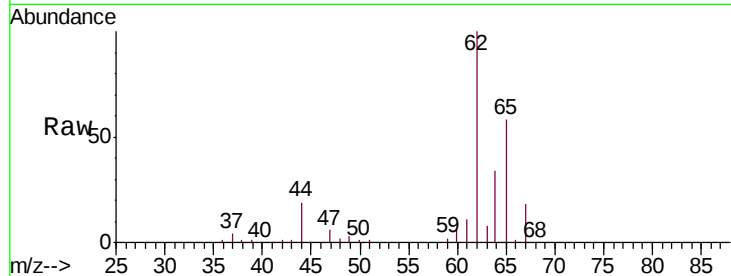
VSTD00573

Tgt Ion: 62 Resp: 32978

Ion Ratio Lower Upper

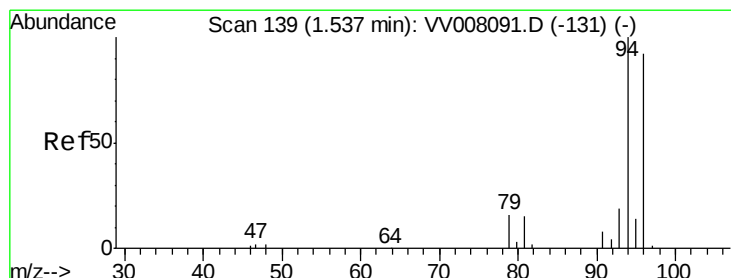
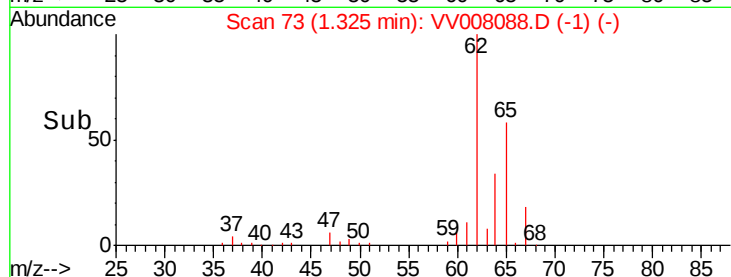
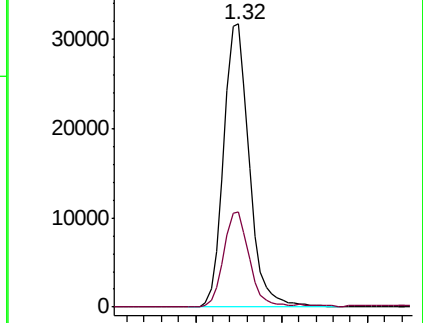
62 100

64 33.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008088.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008088.D (-65) (-)



#6

Bromomethane

Concen: 5.264 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008088.D

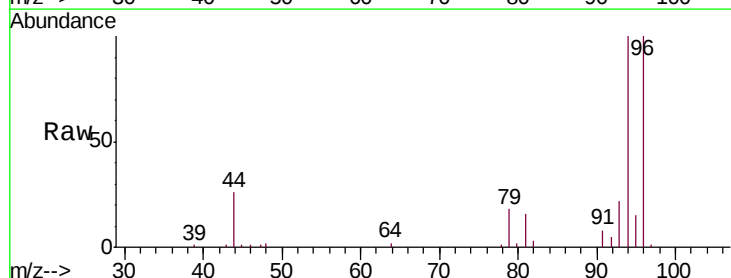
Acq: 05 Oct 2018 10:12

Tgt Ion: 94 Resp: 15759

Ion Ratio Lower Upper

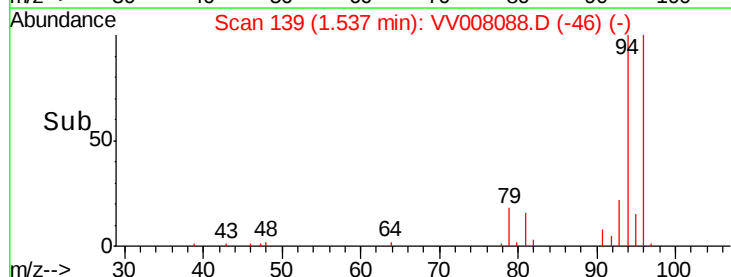
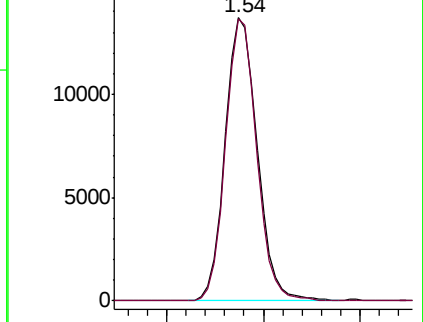
94 100

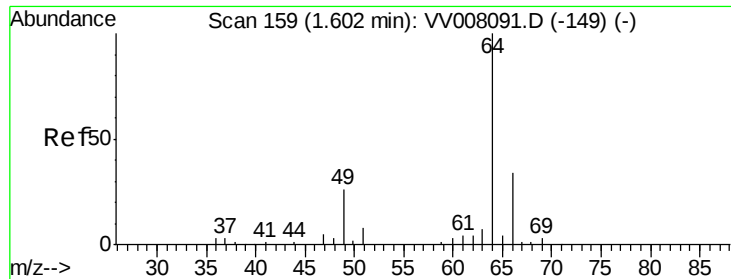
96 99.7 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008088.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008088.D (-131) (-)

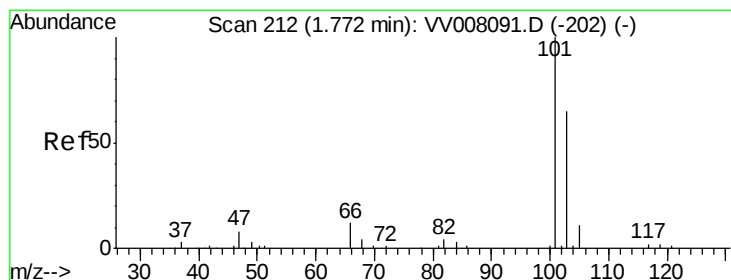
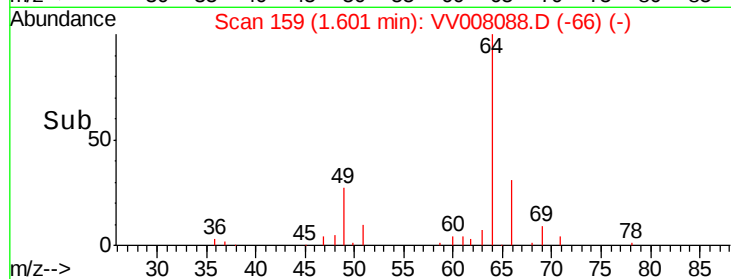
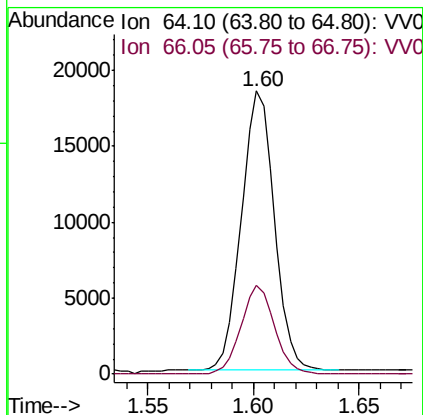
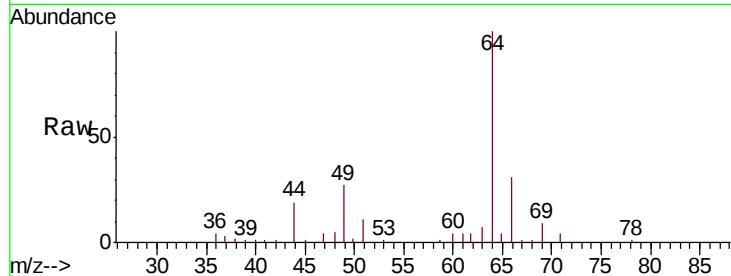




#8
Chloroethane
Concen: 4.742 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

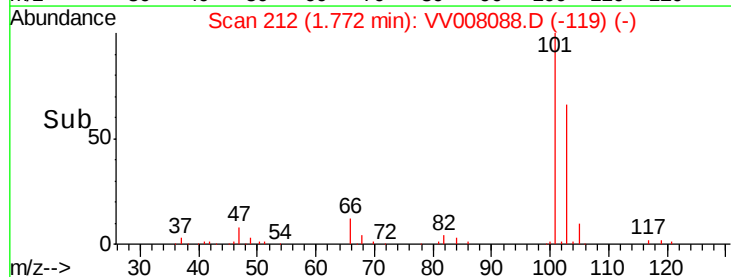
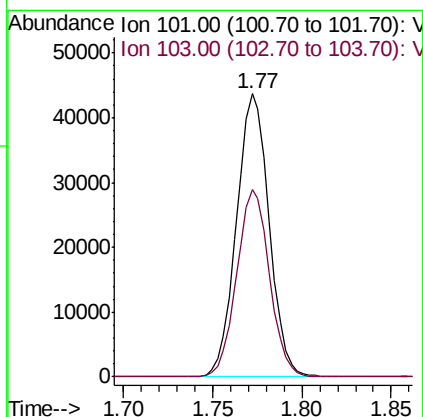
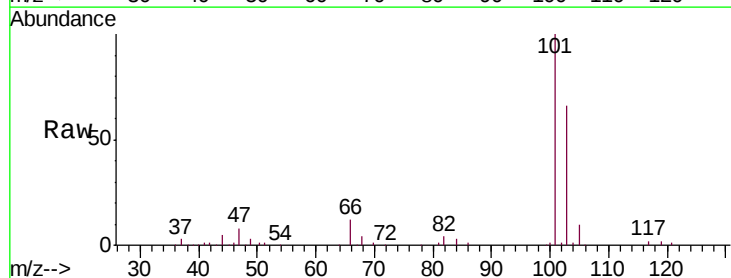
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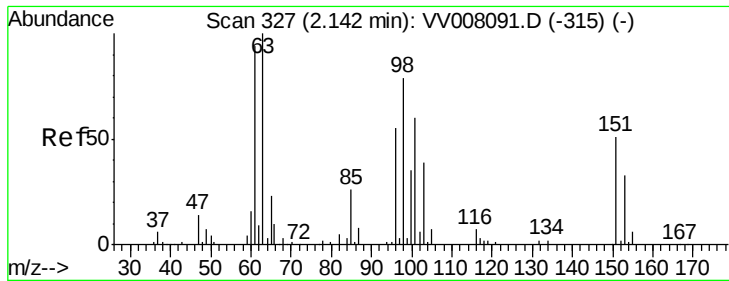
Tgt Ion: 64 Resp: 20026
Ion Ratio Lower Upper
64 100
66 31.3 24.1 44.8



#9
Trichlorofluoromethane
Concen: 5.163 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Tgt Ion: 101 Resp: 55890
Ion Ratio Lower Upper
101 100
103 66.1 53.1 79.7





#10

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

Concen: 5.106 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

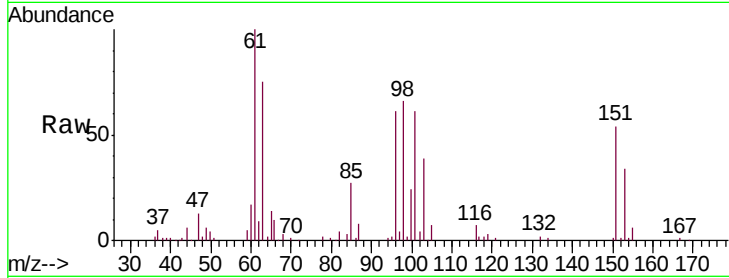
Tgt Ion:101 Resp: 32868

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.0

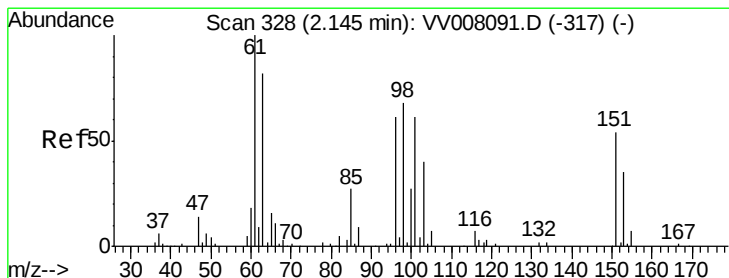
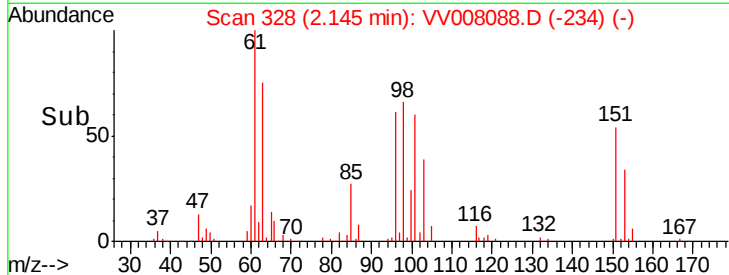
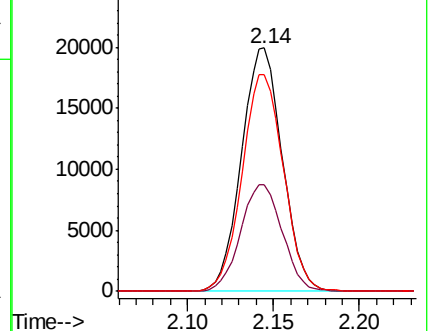
151 90.3 70.7 106.1



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: 5.198 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

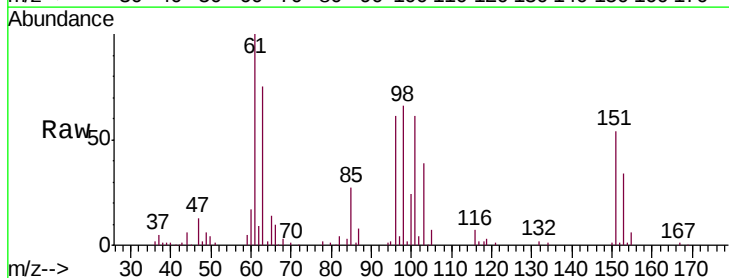
Tgt Ion: 96 Resp: 27969

Ion Ratio Lower Upper

96 100

61 163.5 114.7 213.1

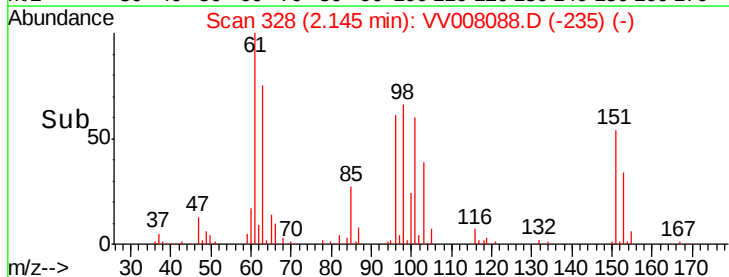
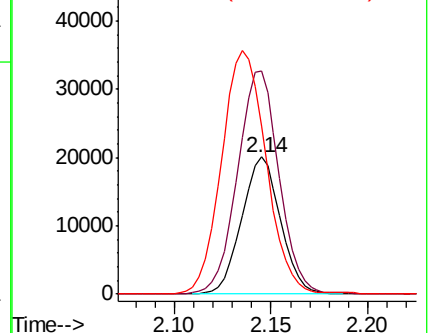
63 122.7 96.9 179.9

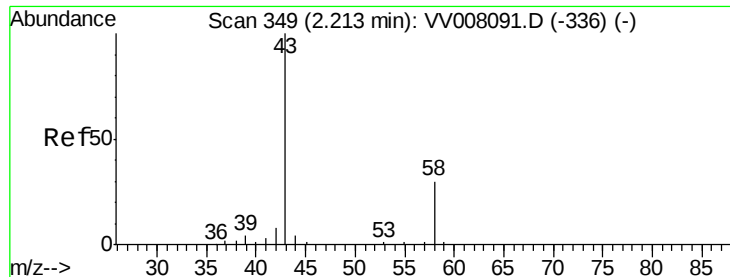


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.595 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

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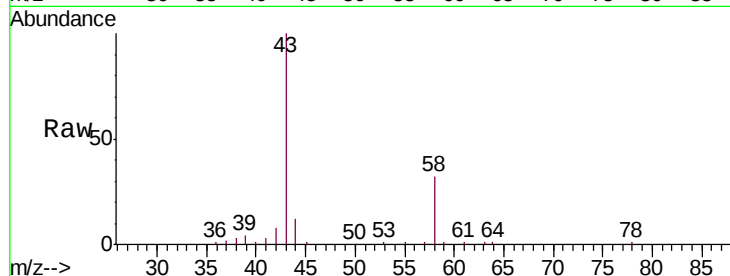
VSTD00573

Tgt Ion: 43 Resp: 46307

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008091.D (-336) (-)

2.21

20000

15000

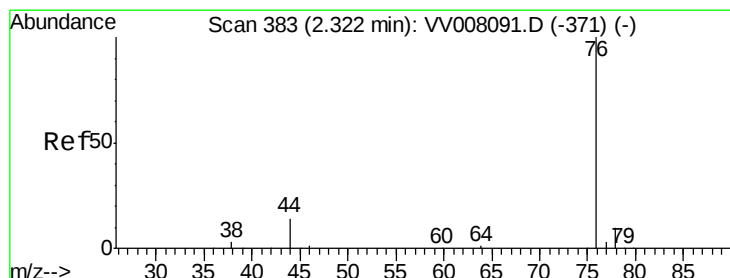
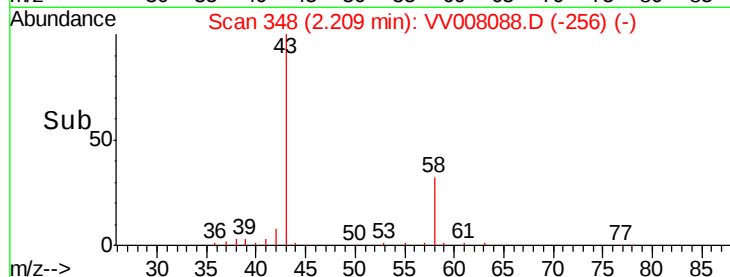
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5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 5.046 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008088.D

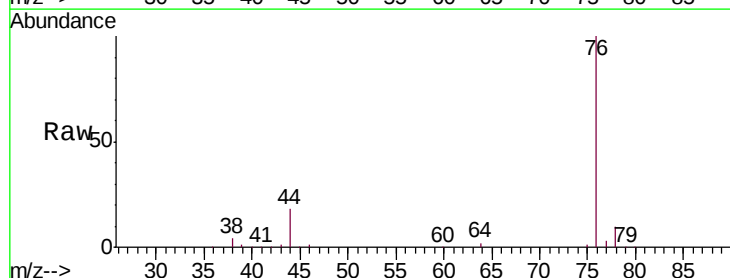
Acq: 05 Oct 2018 10:12

Tgt Ion: 76 Resp: 69101

Ion Ratio Lower Upper

76 100

78 9.6 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008091.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008091.D (-371) (-)

2.32

50000

40000

30000

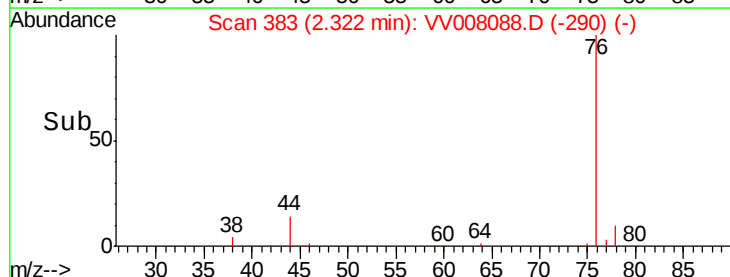
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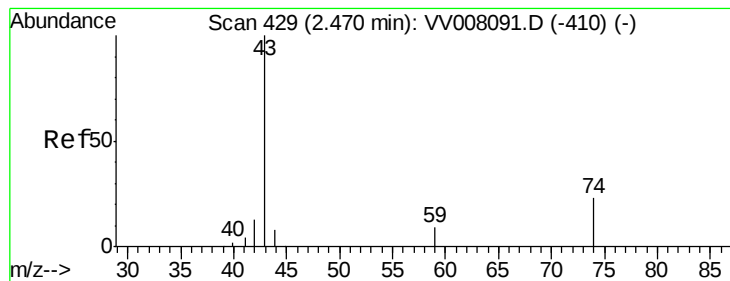
10000

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Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 4.961 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

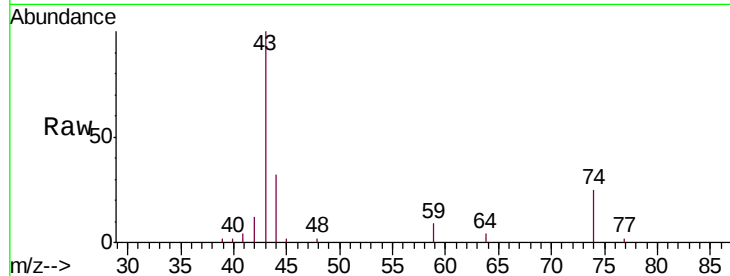
VSTD00573

Tgt Ion: 43 Resp: 11704

Ion Ratio Lower Upper

43 100

74 24.4 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) (-)

2.47

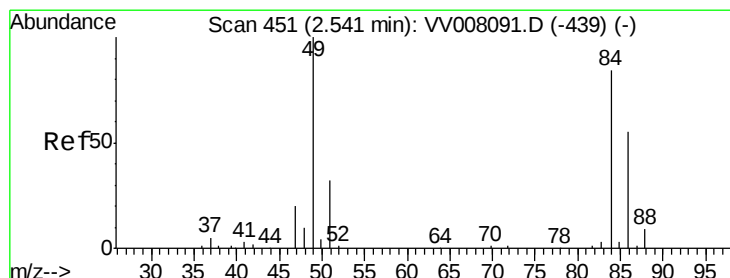
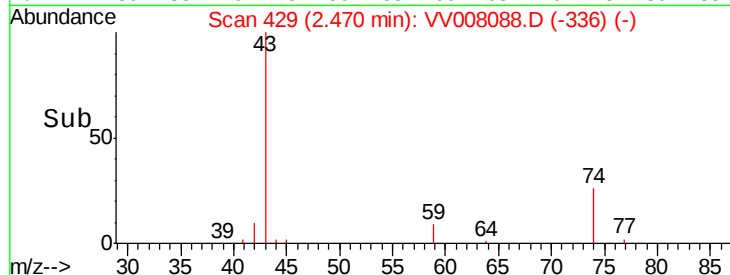
Time-->

Abundance

Scan 429 (2.470 min): VV008088.D (-336) (-)

2.47

Time-->



#16

Methylene chloride

Concen: 4.618 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

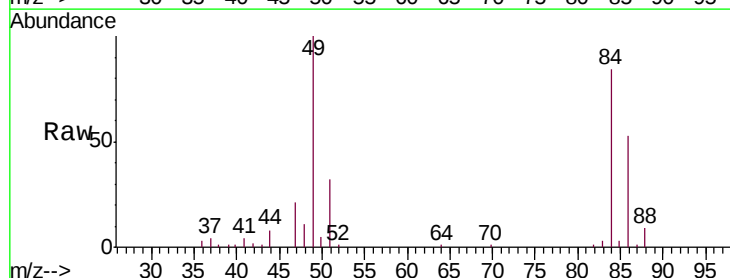
Tgt Ion: 84 Resp: 30147

Ion Ratio Lower Upper

84 100

86 63.3 45.3 84.1

49 119.3 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) (-)

2.54

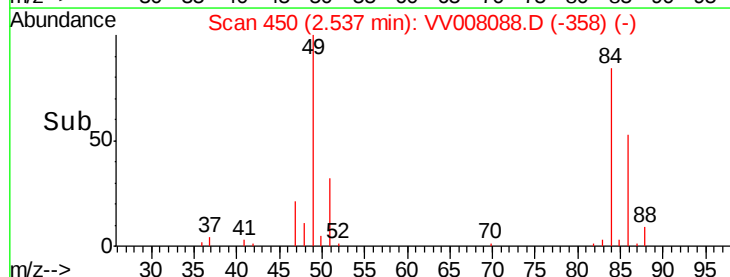
Time-->

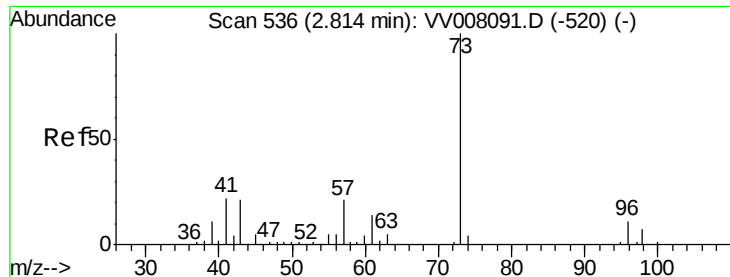
Abundance

Scan 450 (2.537 min): VV008088.D (-358) (-)

2.54

Time-->

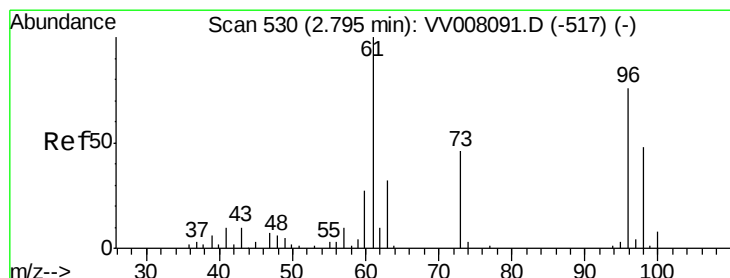
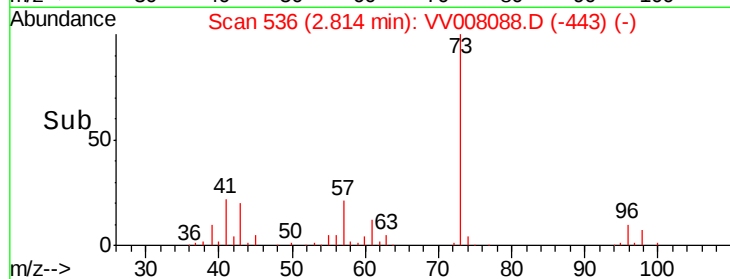
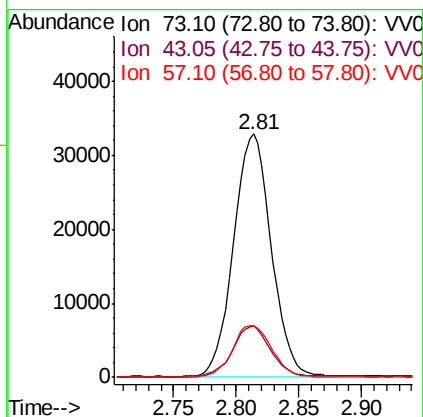
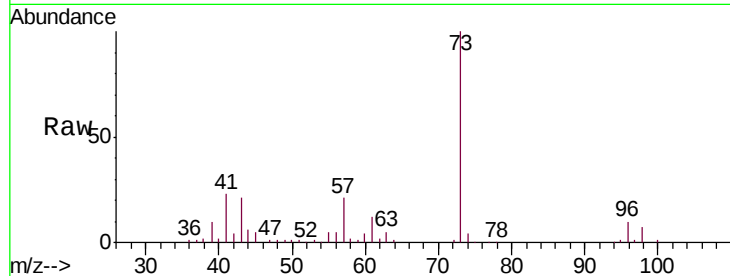




#17
Methyl tert-butyl Ether
Concen: 5.129 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

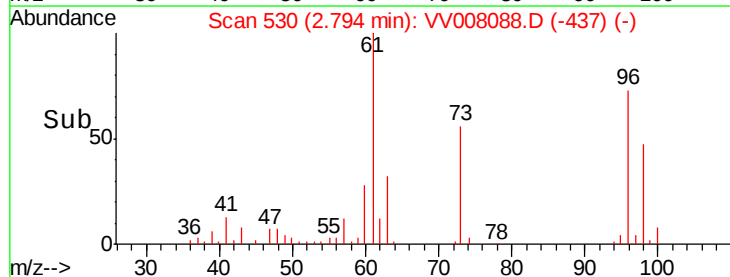
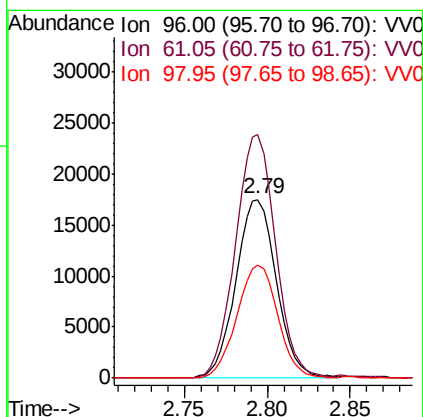
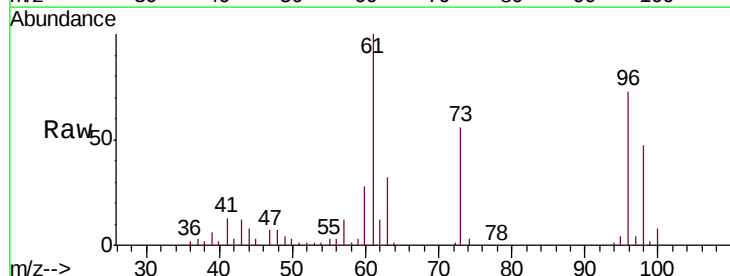
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

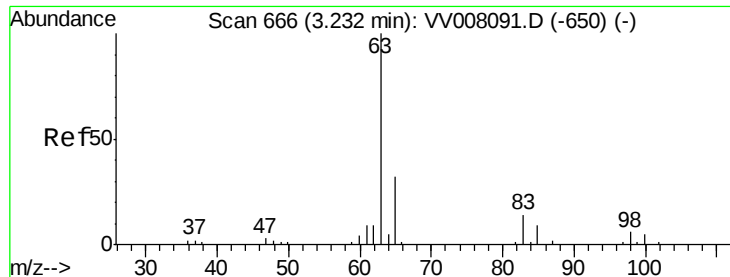
Tgt Ion: 73 Resp: 69184
Ion Ratio Lower Upper
73 100
43 20.6 17.0 25.4
57 22.2 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.088 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Tgt Ion: 96 Resp: 29881
Ion Ratio Lower Upper
96 100
61 136.1 91.6 170.2
98 63.3 44.4 82.5

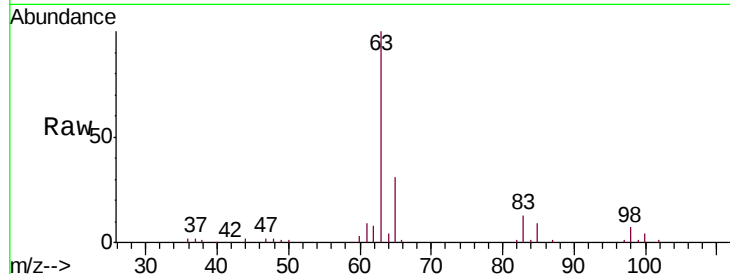




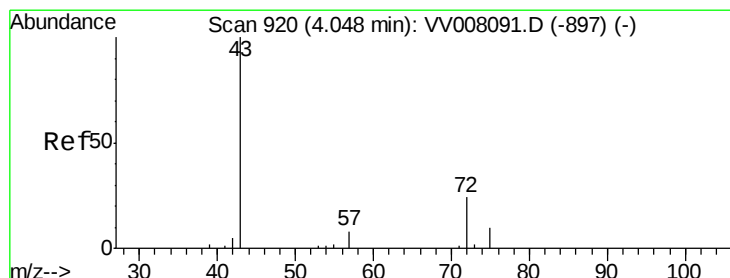
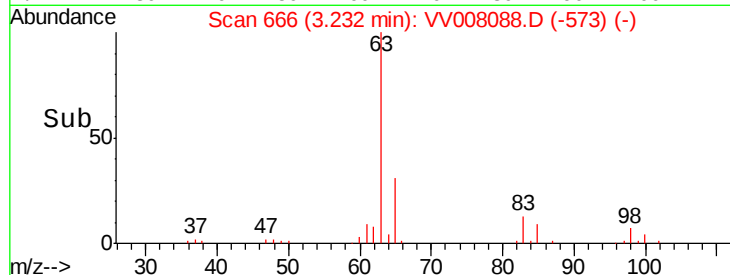
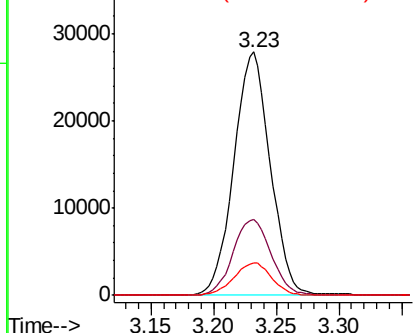
#19
 1,1-Dichloroethane
 Concen: 5.041 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion: 63 Resp: 56372
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.4 41.6
 83 13.4 9.6 17.8

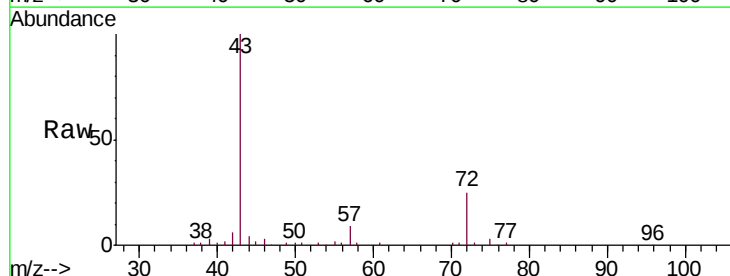


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

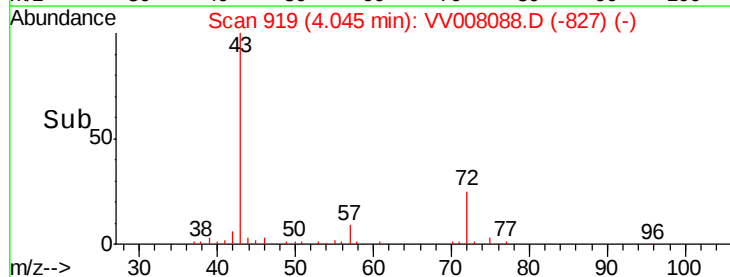
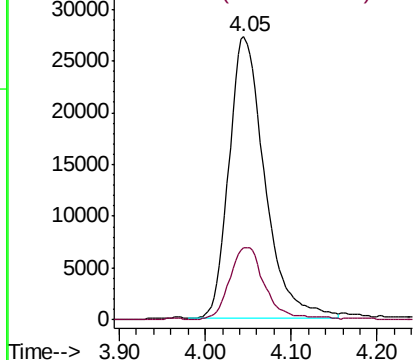


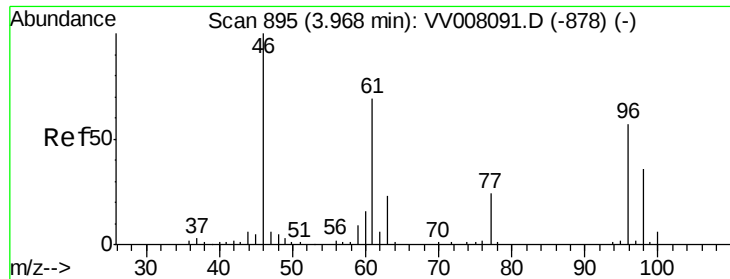
#21
 2-Butanone
 Concen: 49.019 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Tgt Ion: 43 Resp: 78589
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.9 38.6



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



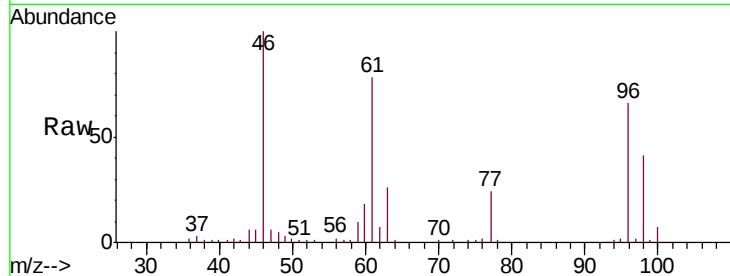


#22

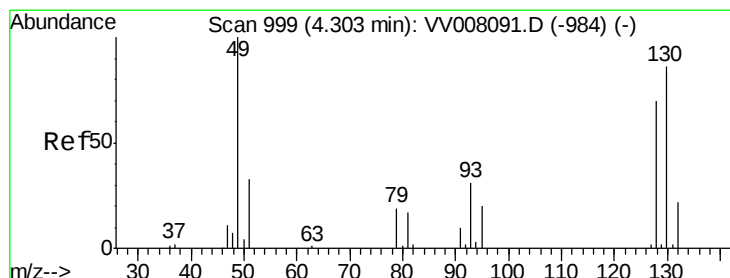
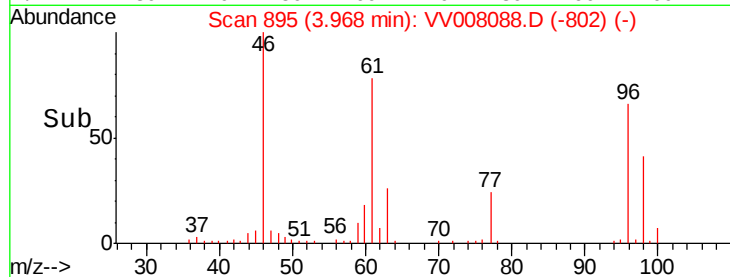
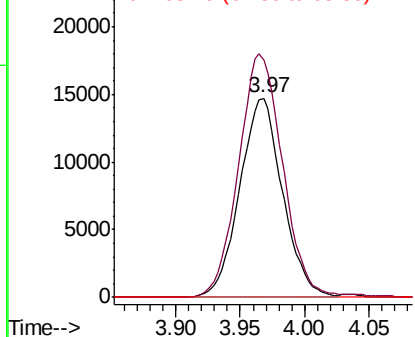
cis-1,2-Dichloroethene
 Concen: 5.147 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion: 96 Resp: 34092
 Ion Ratio Lower Upper
 96 100
 61 119.0 85.1 158.1
 68 0.0 0.0 0.0



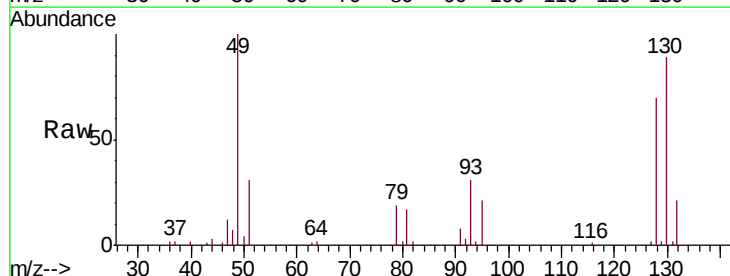
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



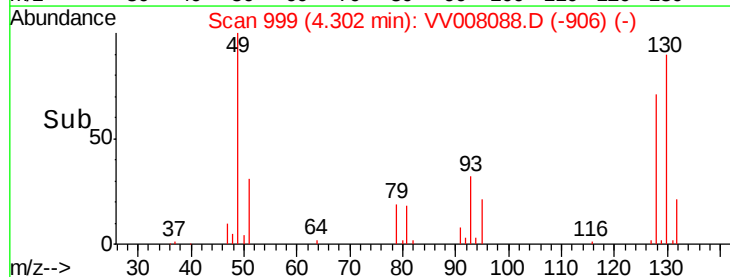
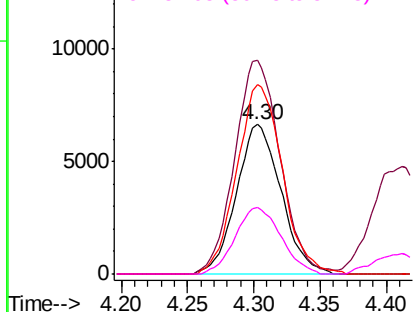
#23

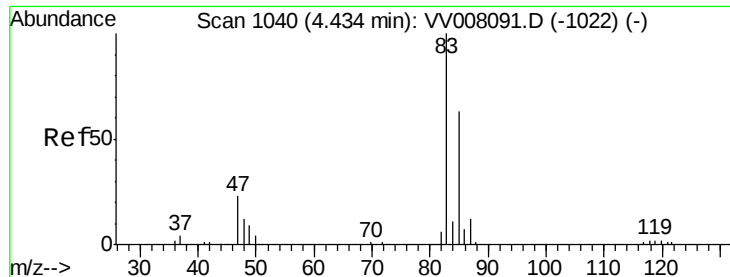
Bromochloromethane
 Concen: 5.179 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Tgt Ion: 128 Resp: 15576
 Ion Ratio Lower Upper
 128 100
 49 142.7 99.8 185.3
 130 126.8 85.5 158.7
 51 44.1 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

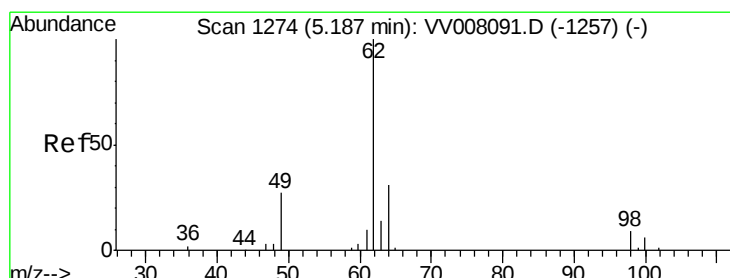
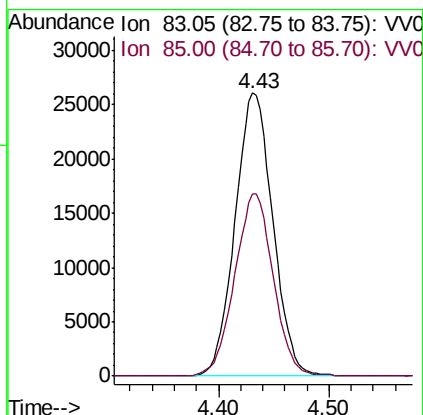
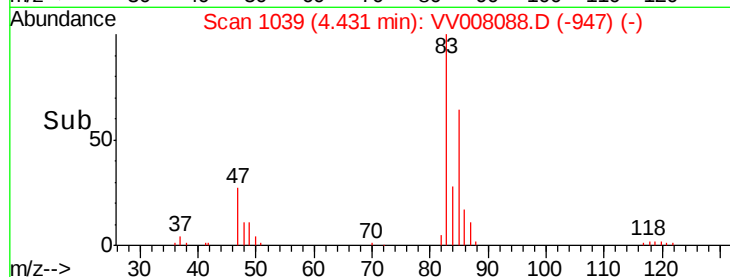
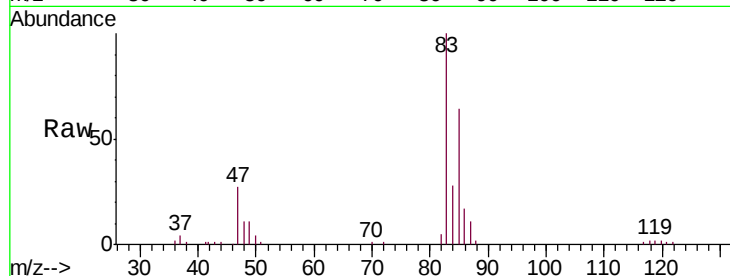




#25
Chloroform
Concen: 5.153 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

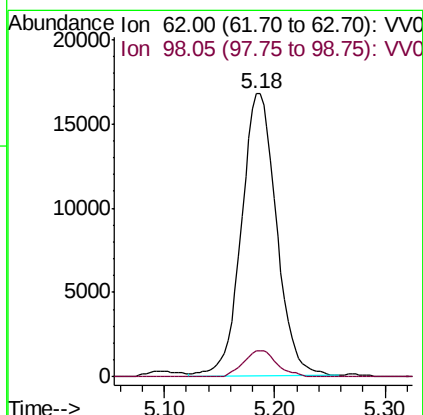
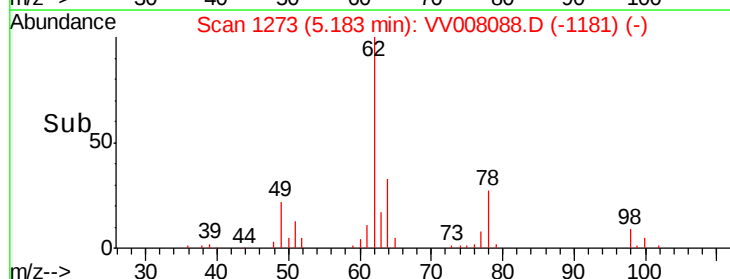
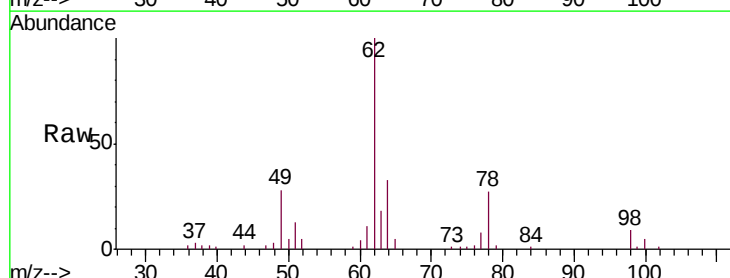
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

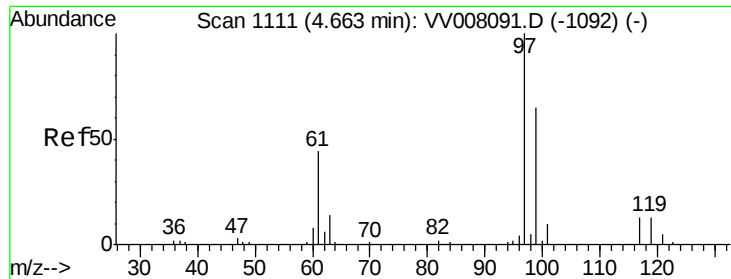
Tgt Ion: 83 Resp: 62014
Ion Ratio Lower Upper
83 100
85 64.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.192 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Tgt Ion: 62 Resp: 36707
Ion Ratio Lower Upper
62 100
98 9.0 7.3 10.9

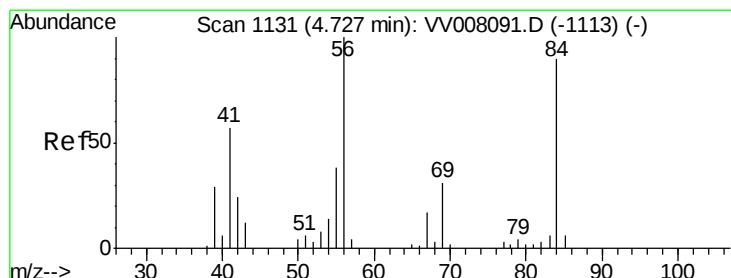
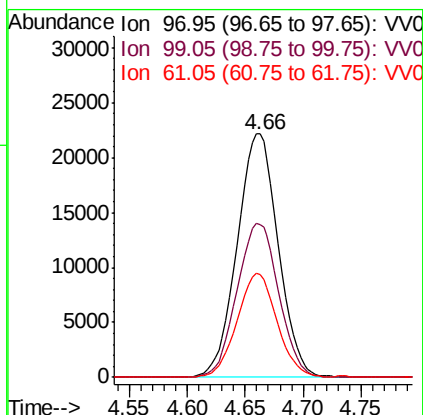
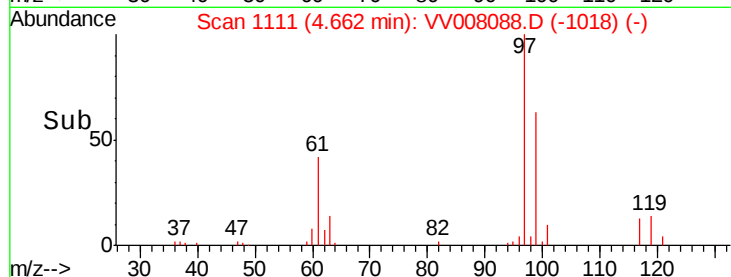
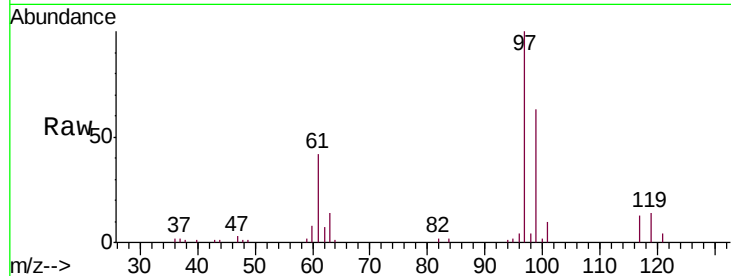




#29
1,1,1-Trichloroethane
Concen: 5.100 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

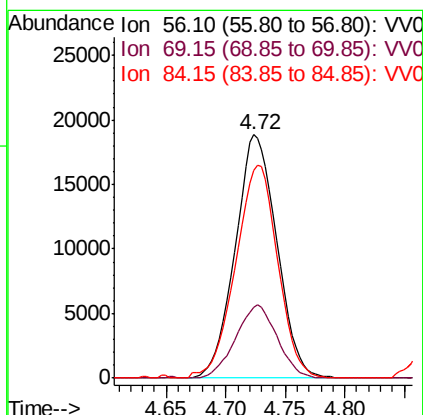
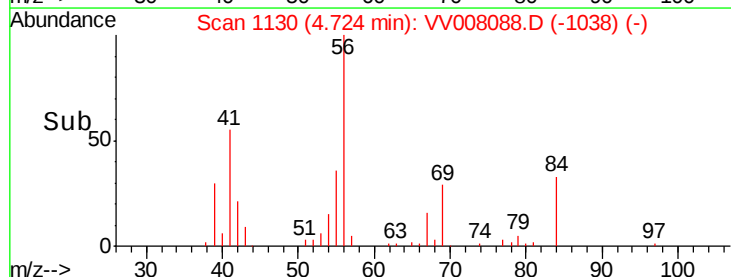
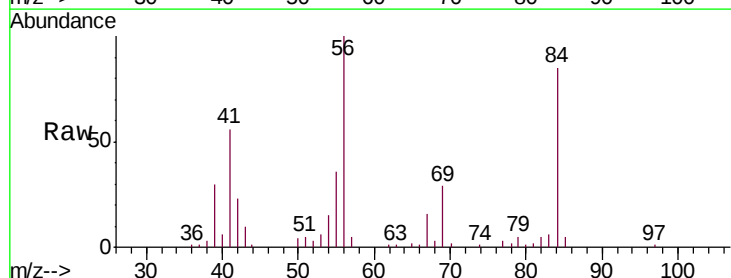
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

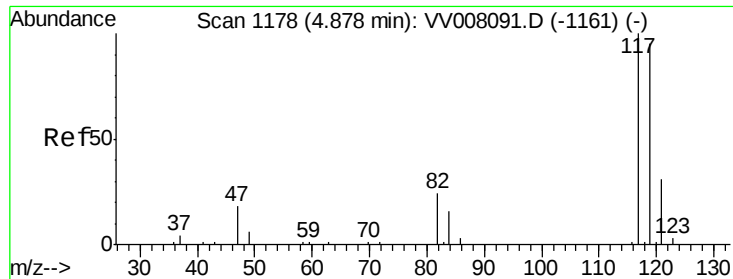
Tgt Ion: 97 Resp: 54449
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 41.6 34.0 51.0



#30
Cyclohexane
Concen: 5.150 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Tgt Ion: 56 Resp: 45664
Ion Ratio Lower Upper
56 100
69 29.9 24.6 36.8
84 88.5 70.7 106.1





#31

Carbon tetrachloride

Concen: 5.081 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

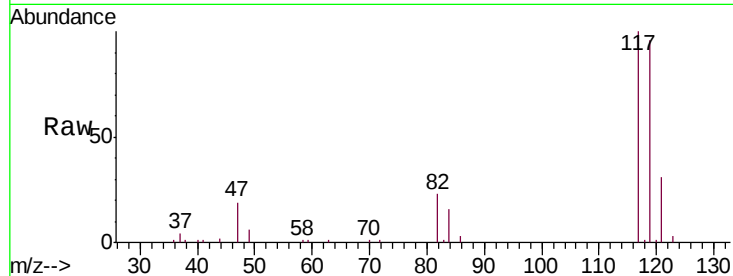
VSTD00573

Tgt Ion:117 Resp: 48738

Ion Ratio Lower Upper

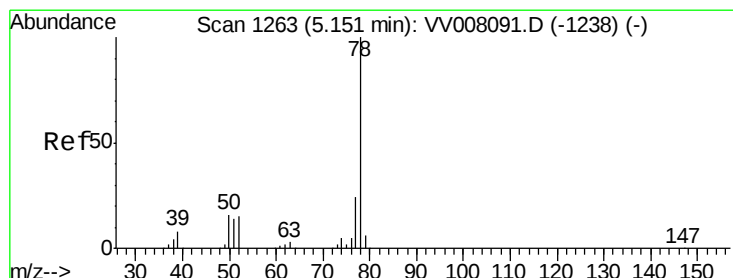
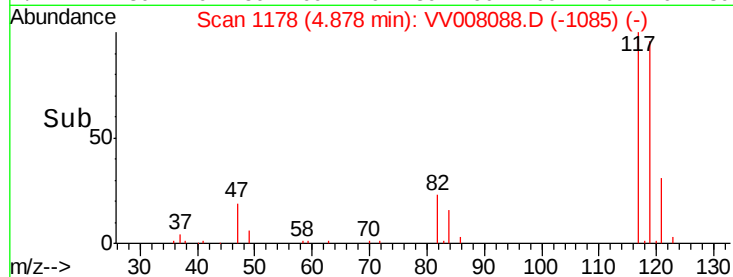
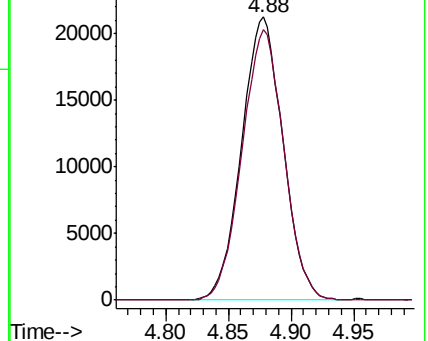
117 100

119 96.2 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: 5.291 ug/L

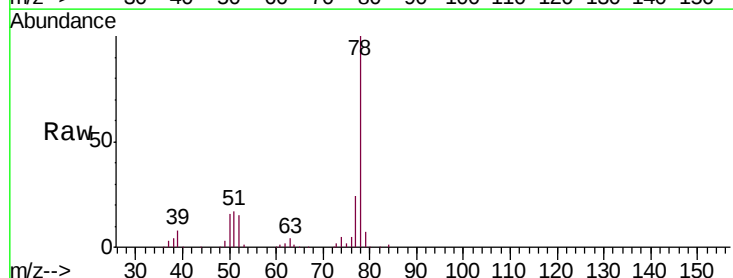
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

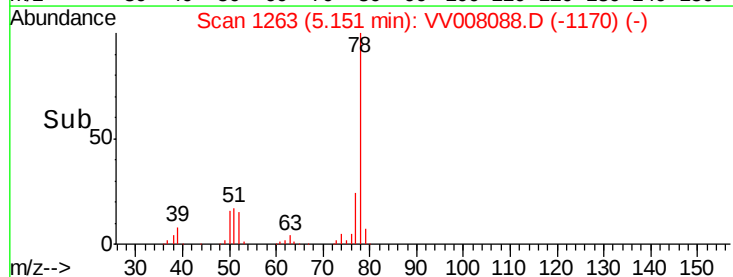
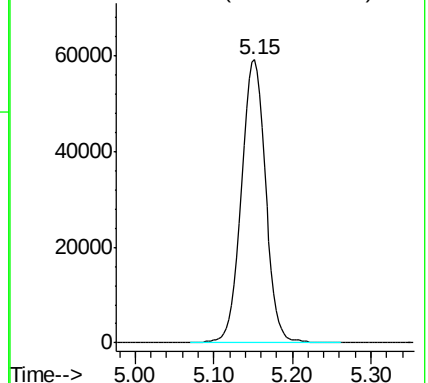
Lab File: VV008088.D

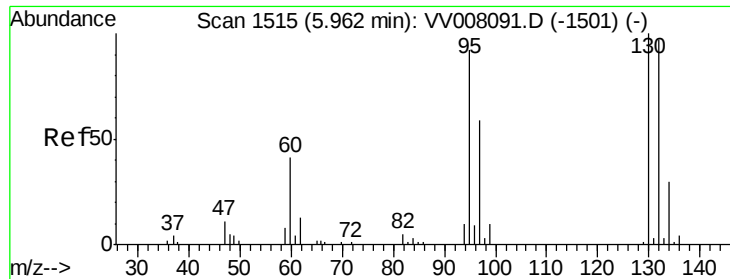
Acq: 05 Oct 2018 10:12

Tgt Ion: 78 Resp: 128356



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.917 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

Tgt Ion: 95 Resp: 34804

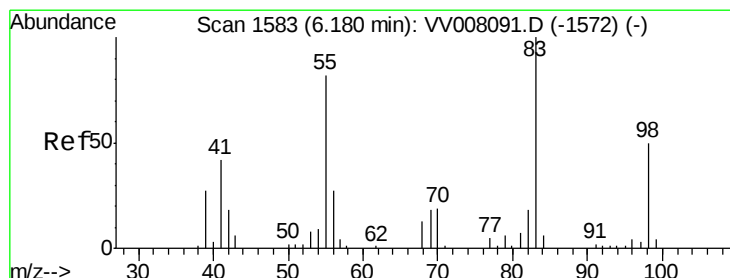
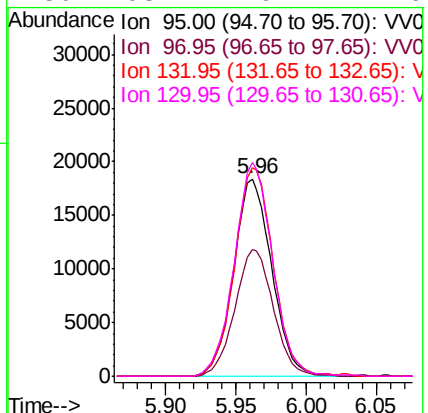
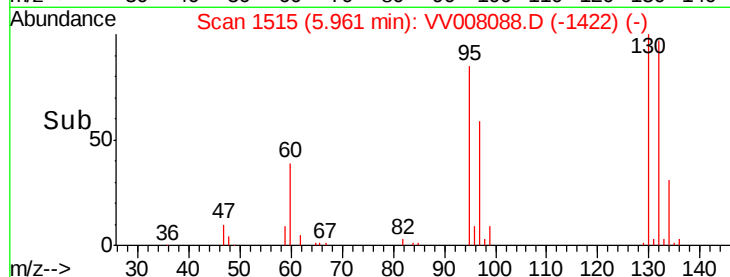
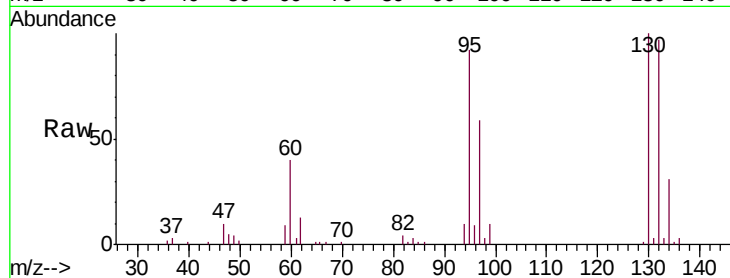
Ion Ratio Lower Upper

95 100

97 64.0 44.9 83.5

132 105.4 73.6 136.6

130 108.2 76.2 141.6



#35

Methylcyclohexane

Concen: 5.061 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

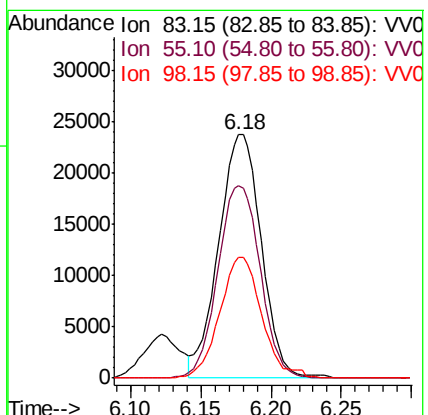
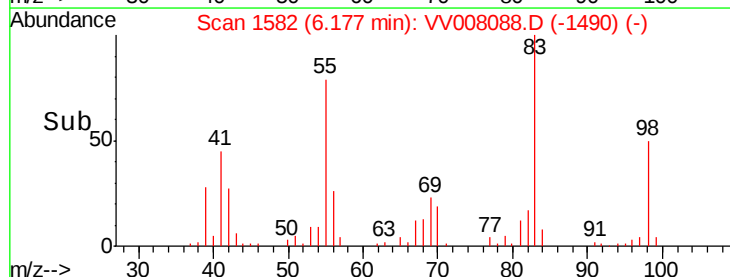
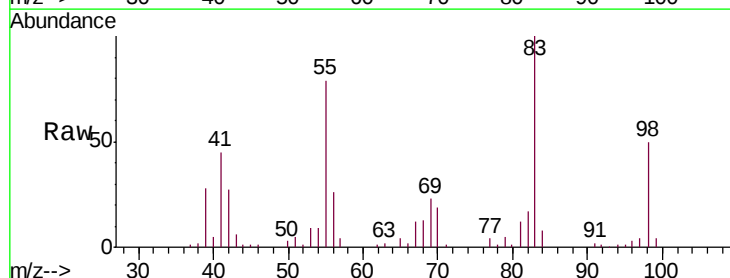
Tgt Ion: 83 Resp: 50052

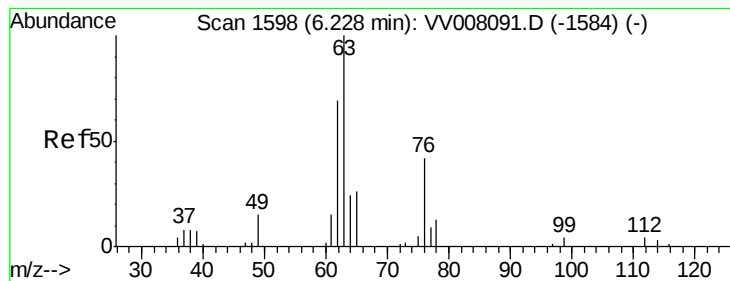
Ion Ratio Lower Upper

83 100

55 78.5 63.6 95.4

98 48.8 38.3 57.5





#37

1,2-Dichloropropane

Concen: 5.217 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

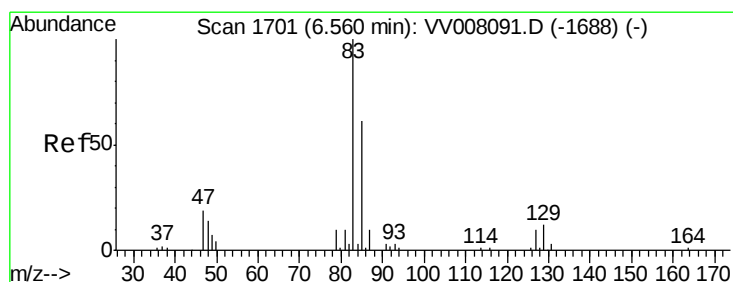
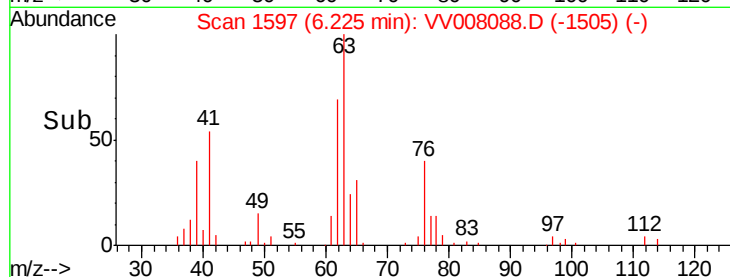
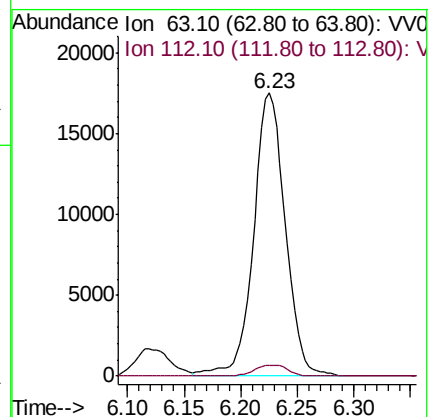
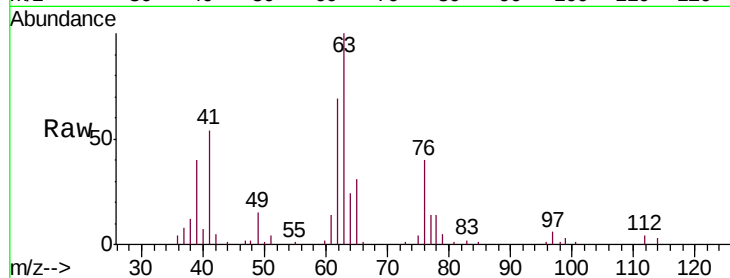
VSTD00573

Tgt Ion: 63 Resp: 34148

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.2



#38

Bromodichloromethane

Concen: 5.068 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

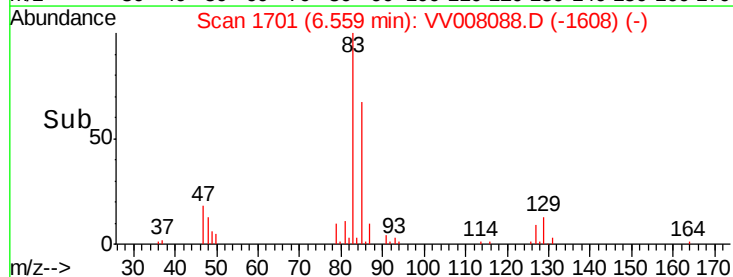
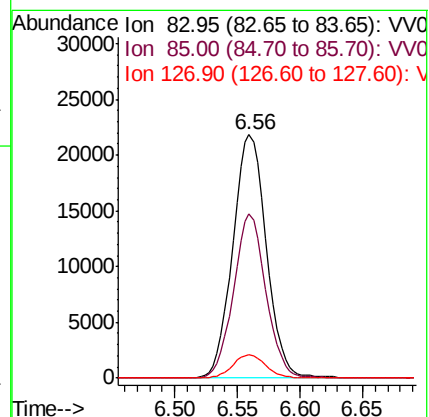
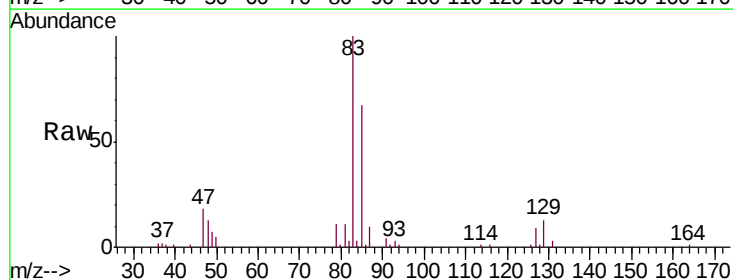
Tgt Ion: 83 Resp: 40580

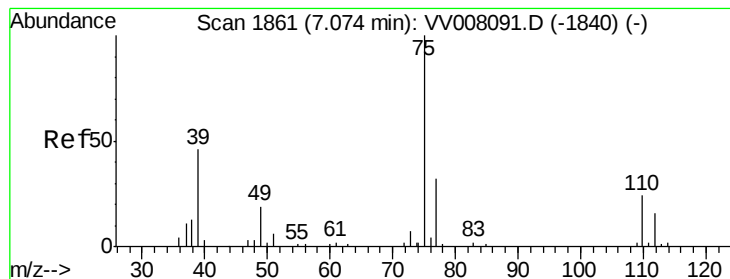
Ion Ratio Lower Upper

83 100

85 67.5 42.5 78.9

127 9.5 7.7 11.5



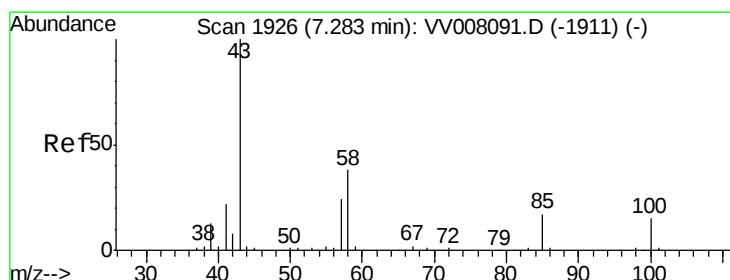
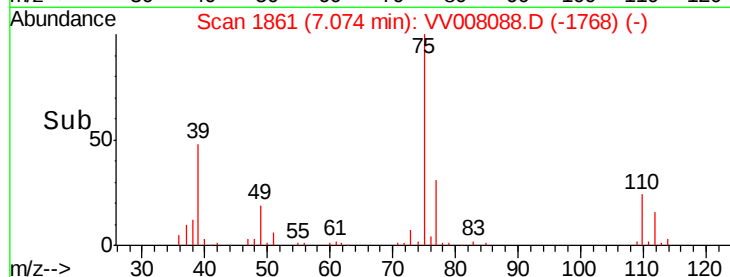
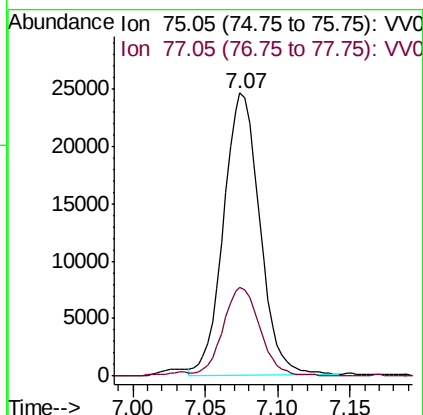
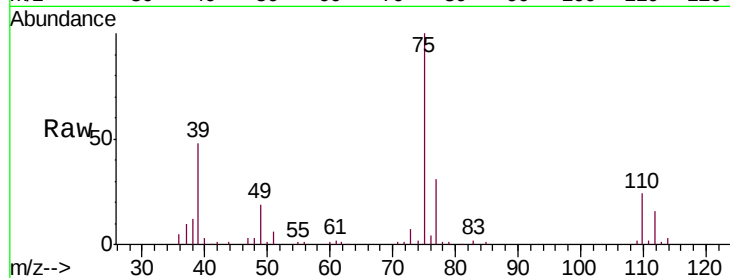


#39

cis-1,3-Dichloropropene
 Concen: 5.075 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00573

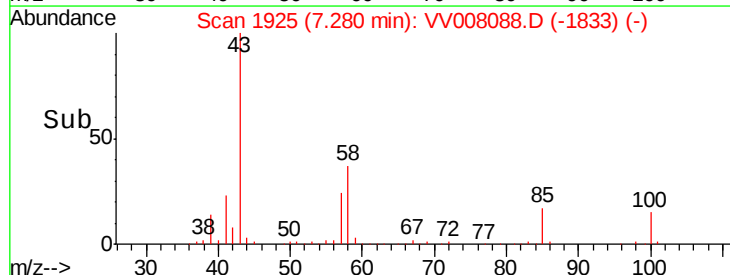
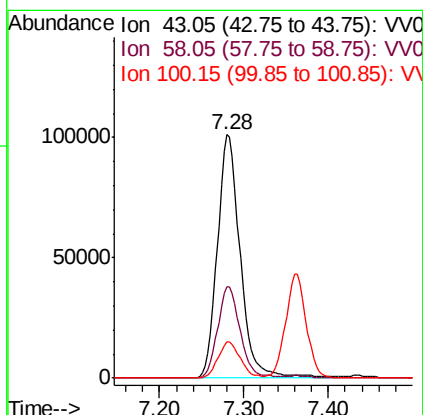
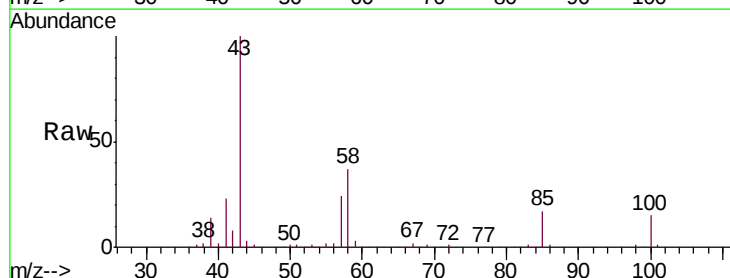
Tgt Ion: 75 Resp: 42593
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1

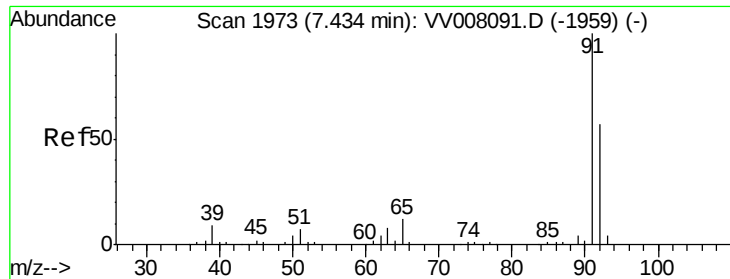


#40

4-Methyl-2-pentanone
 Concen: 51.558 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Tgt Ion: 43 Resp: 191249
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.8 44.8
 100 14.6 11.6 17.4





#42

Toluene

Concen: 5.348 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

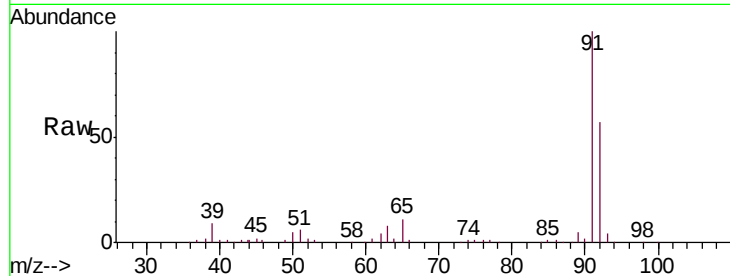
VSTD00573

Tgt Ion: 91 Resp: 137822

Ion Ratio Lower Upper

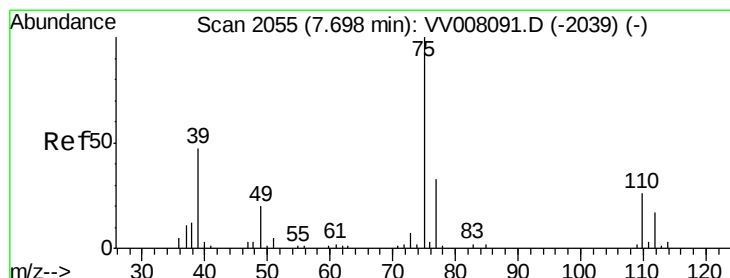
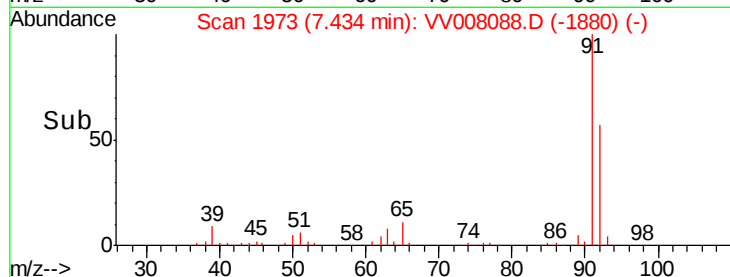
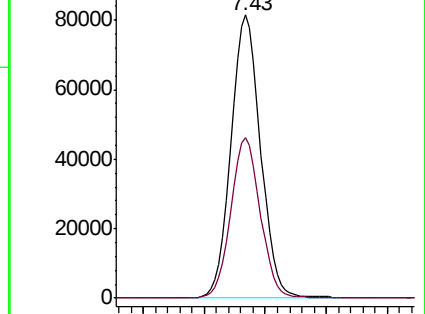
91 100

92 56.9 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.389 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008088.D

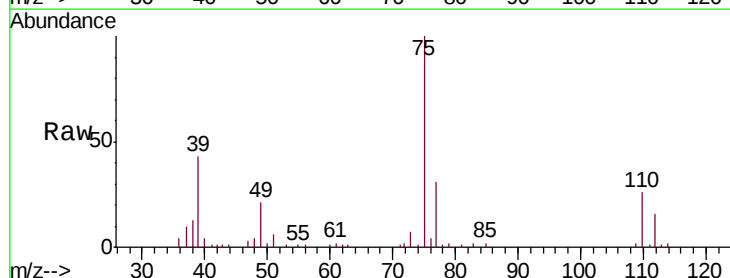
Acq: 05 Oct 2018 10:12

Tgt Ion: 75 Resp: 36783

Ion Ratio Lower Upper

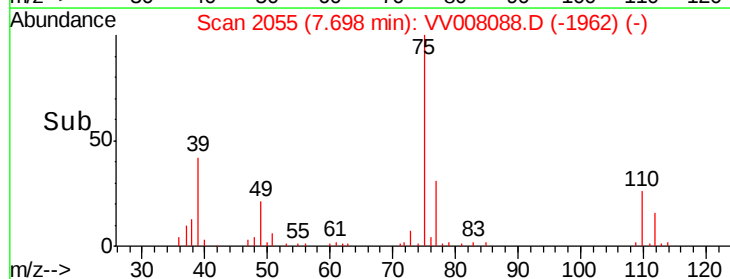
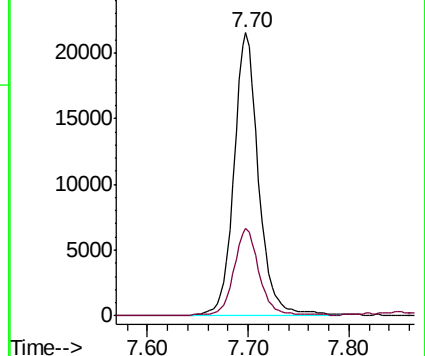
75 100

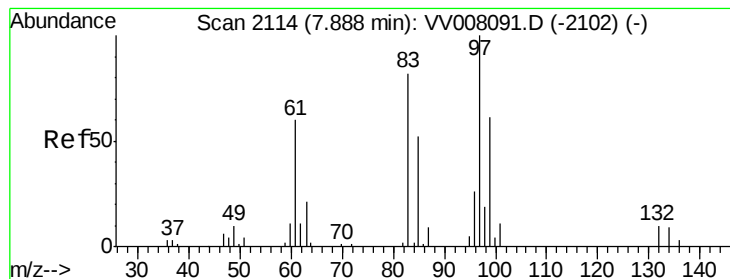
77 31.2 23.4 43.6



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

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





#45

1,1,2-Trichloroethane

Concen: 5.072 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

Tgt Ion: 97 Resp: 23284

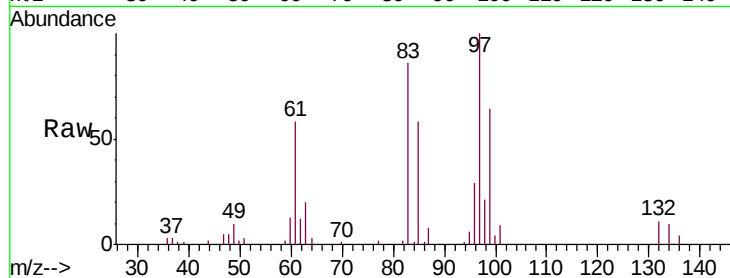
Ion Ratio Lower Upper

97 100

99 63.9 42.6 79.0

83 85.9 57.5 106.7

85 57.7 36.5 67.7



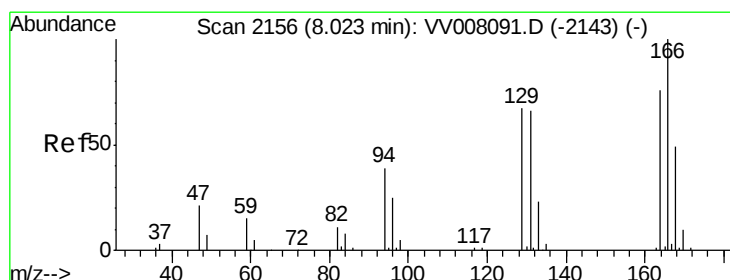
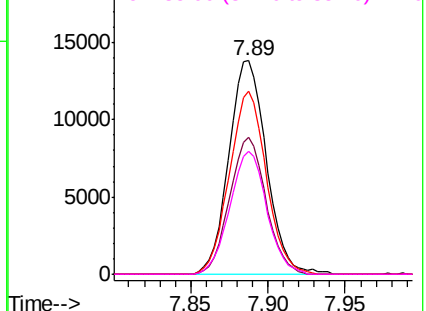
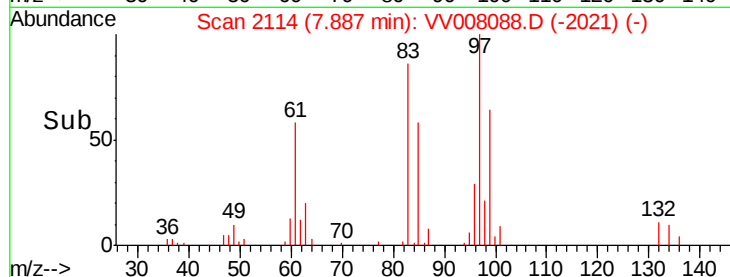
Abundance

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: 5.131 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Tgt Ion: 164 Resp: 32440

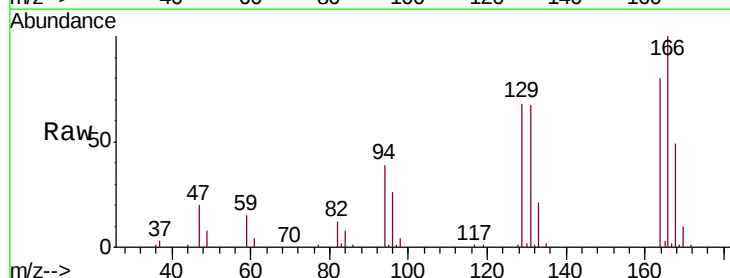
Ion Ratio Lower Upper

164 100

129 85.1 62.2 115.4

131 83.8 60.5 112.5

166 125.6 92.1 171.1



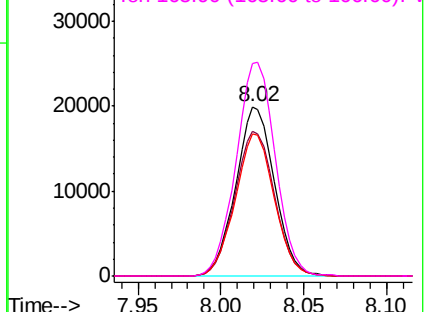
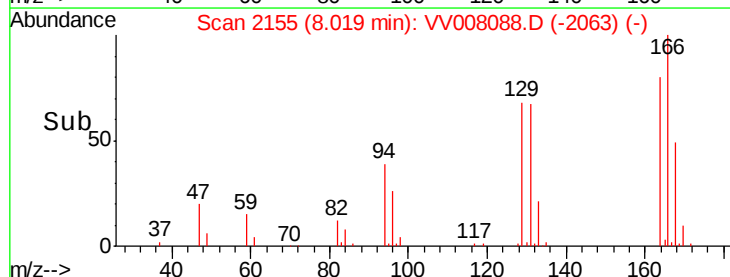
Abundance

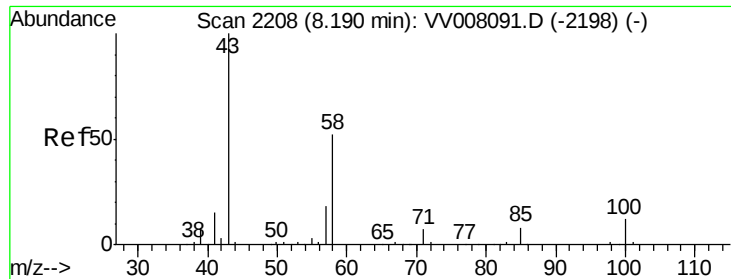
Ion 163.90 (163.60 to 164.60): V

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

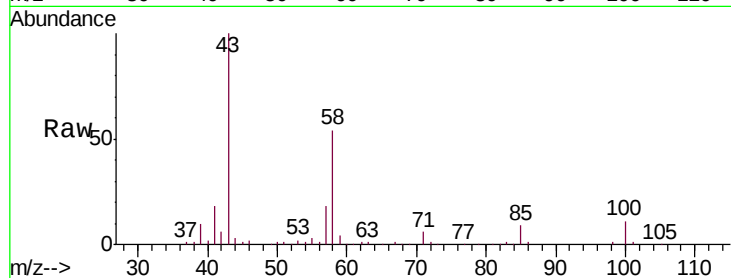




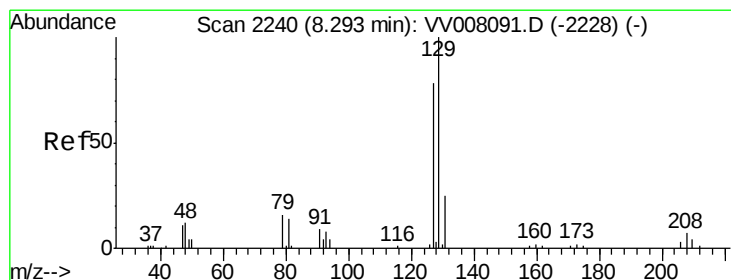
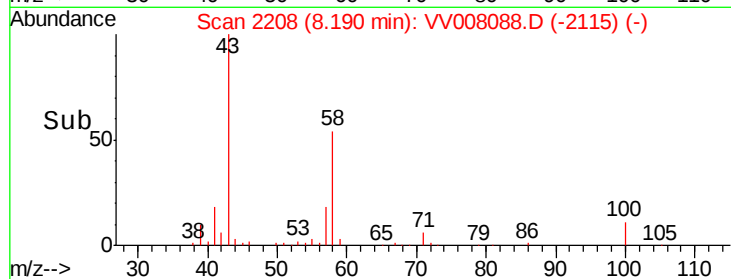
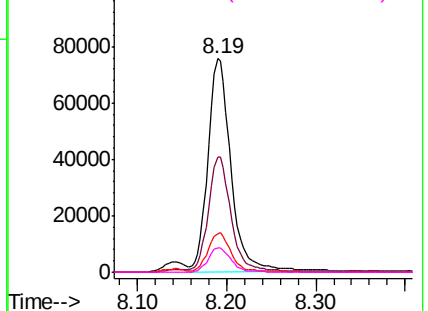
#48
2-Hexanone
Concen: 53.633 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion:	43	Resp:	135062
Ion	Ratio	Lower	Upper
43	100		
58	52.3	40.5	60.7
57	18.2	14.6	22.0
100	11.6	9.3	13.9

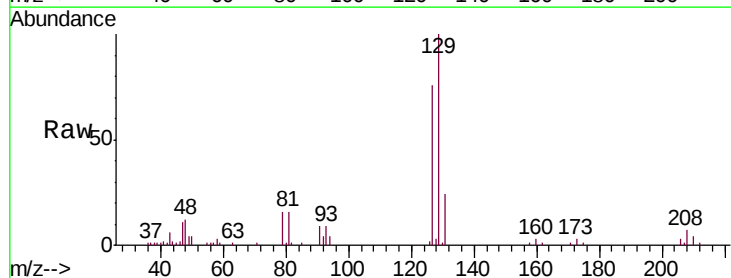


Abundance Ion 43.05 (42.75 to 43.75): VV008088.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV008088.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV008088.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV008088.D (-2115) (-)

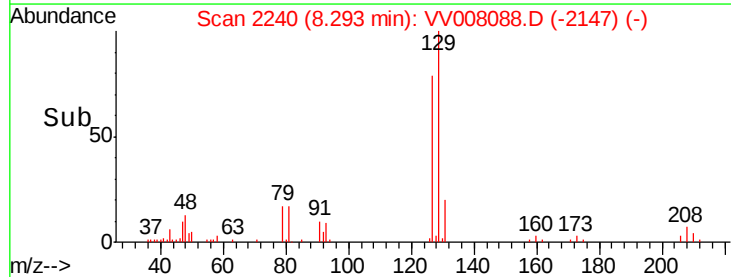
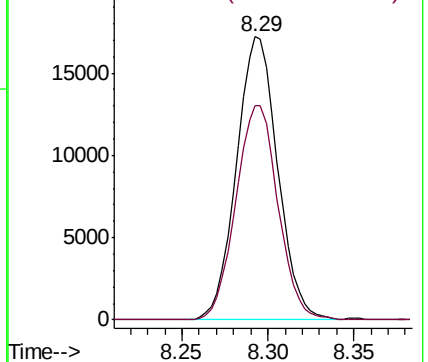


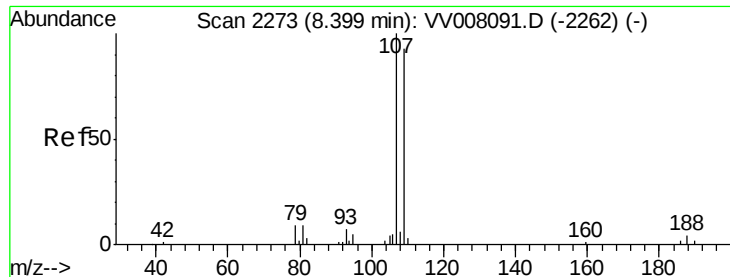
#49
Dibromochloromethane
Concen: 5.011 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Tgt Ion:	129	Resp:	28701
Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV008088.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV008088.D (-2147) (-)

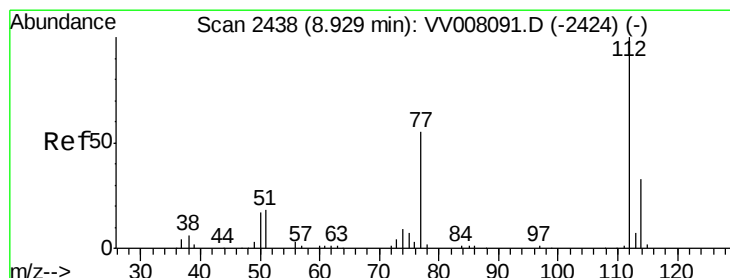
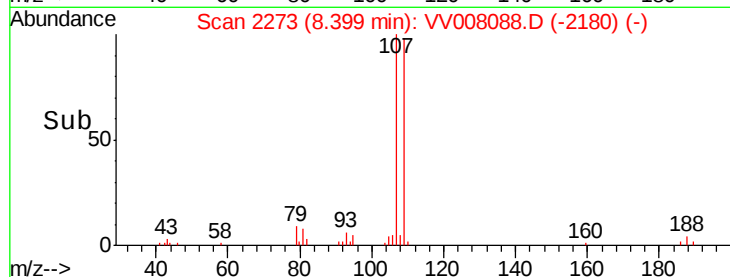
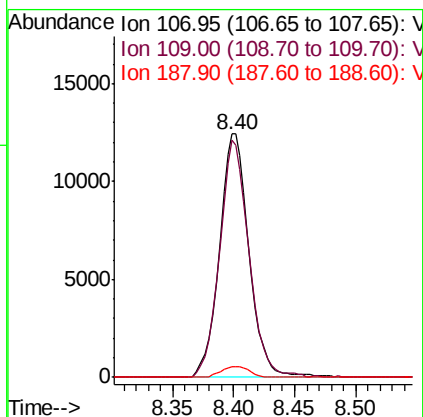
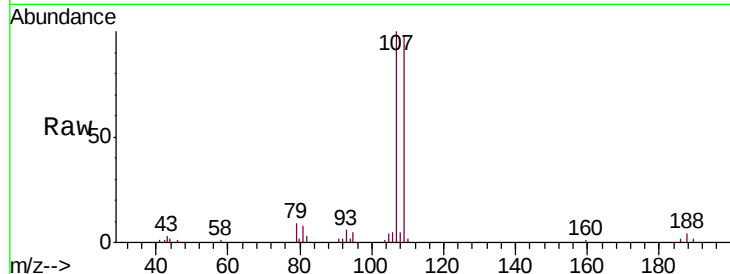




#50
1,2-Dibromoethane
Concen: 5.082 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

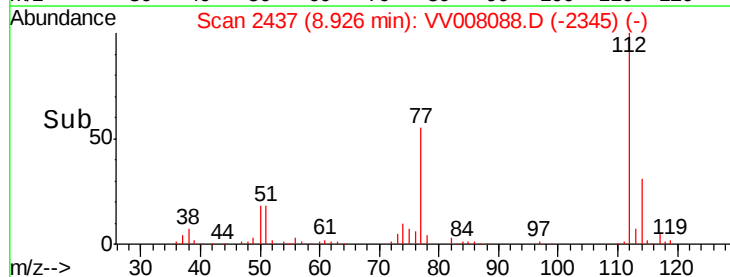
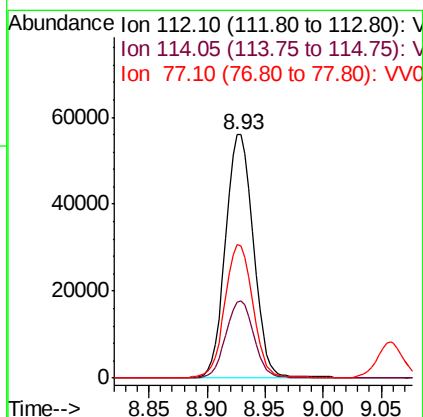
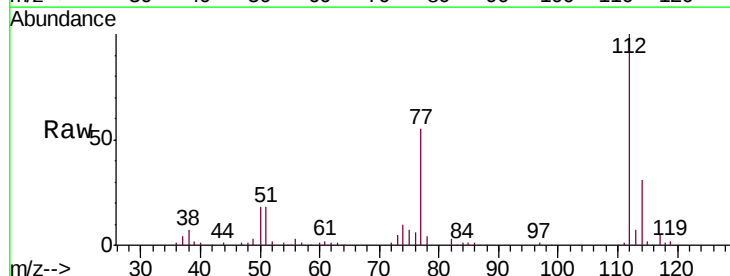
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

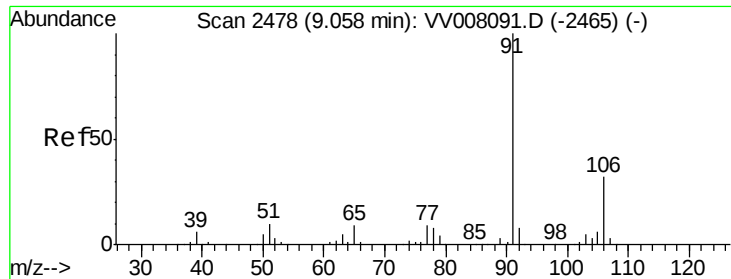
Tgt Ion:107 Resp: 21181
Ion Ratio Lower Upper
107 100
109 97.5 65.5 121.6
188 4.1 3.5 5.3



#51
Chlorobenzene
Concen: 5.188 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008088.D
Acq: 05 Oct 2018 10:12

Tgt Ion:112 Resp: 93495
Ion Ratio Lower Upper
112 100
114 31.1 22.8 42.4
77 54.7 44.6 66.8





#52

Ethylbenzene

Concen: 5.302 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

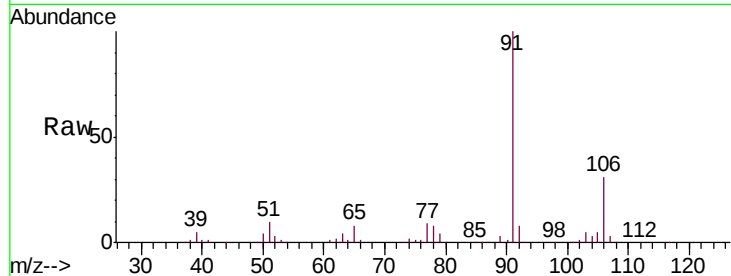
VSTD00573

Tgt Ion: 91 Resp: 149118

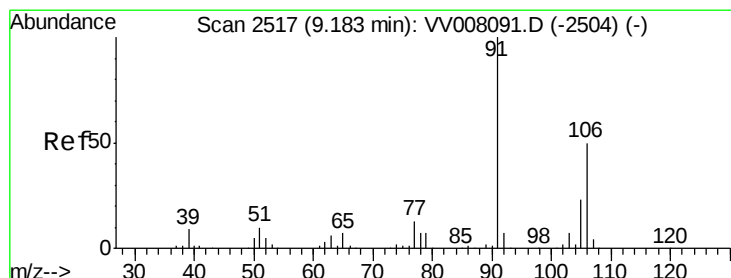
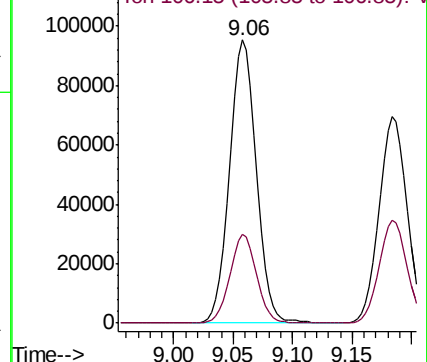
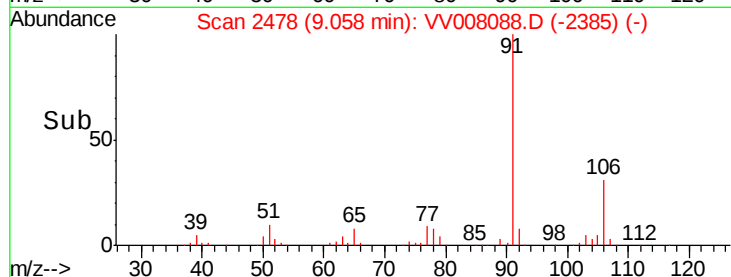
Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008088.D (-2385) (-)



#53

m,p-xylene

Concen: 5.363 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008088.D

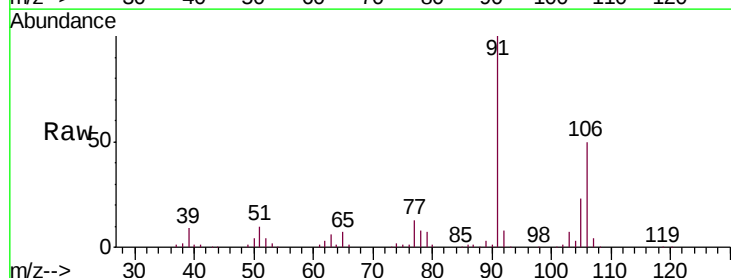
Acq: 05 Oct 2018 10:12

Tgt Ion: 106 Resp: 57180

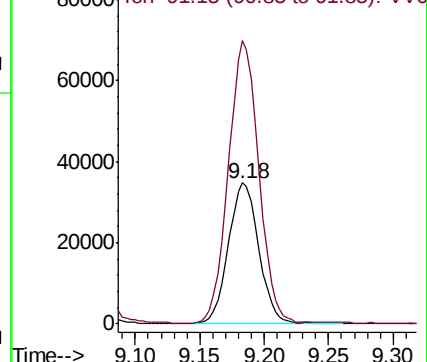
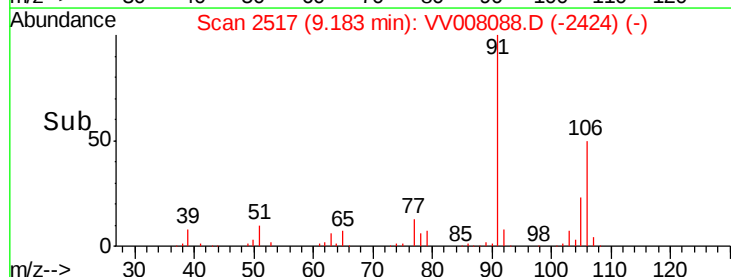
Ion Ratio Lower Upper

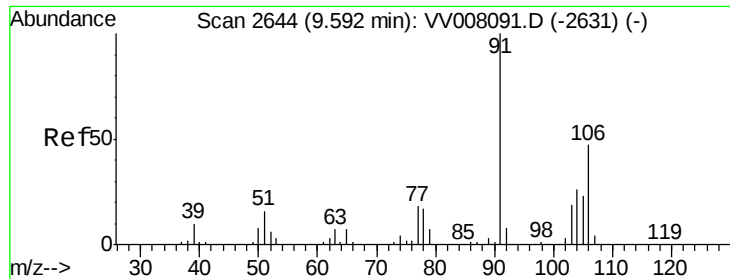
106 100

91 201.0 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008088.D (-2424) (-)





#54

o-xylene

Concen: 5.344 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

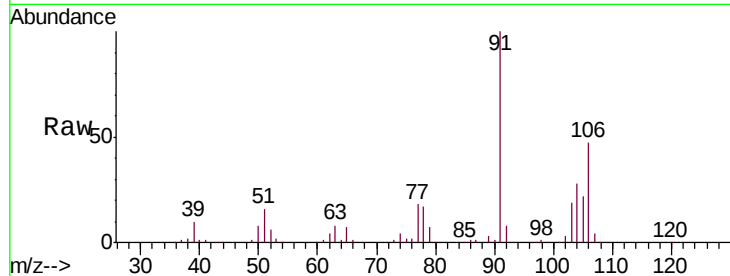
VSTD00573

Tgt Ion:106 Resp: 54395

Ion Ratio Lower Upper

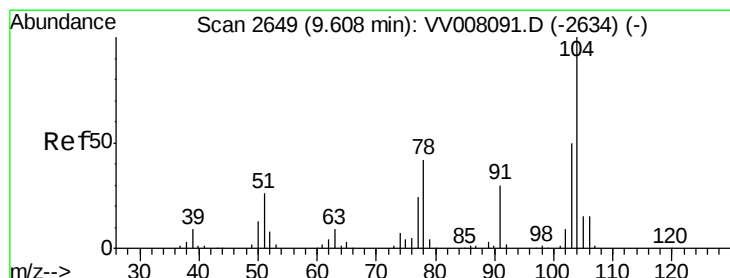
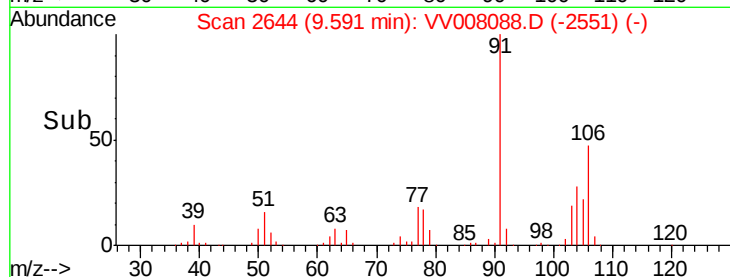
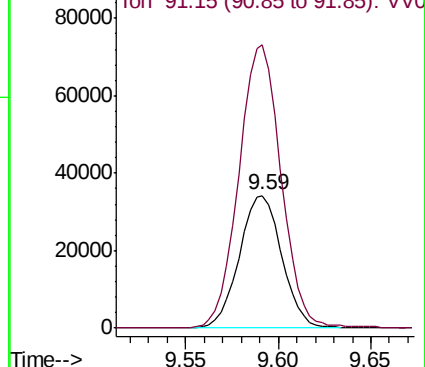
106 100

91 213.3 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.469 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008088.D

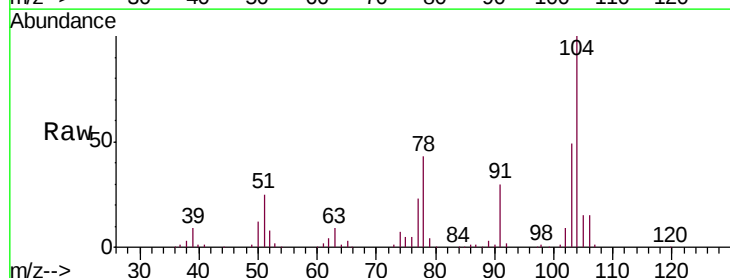
Acq: 05 Oct 2018 10:12

Tgt Ion:104 Resp: 94809

Ion Ratio Lower Upper

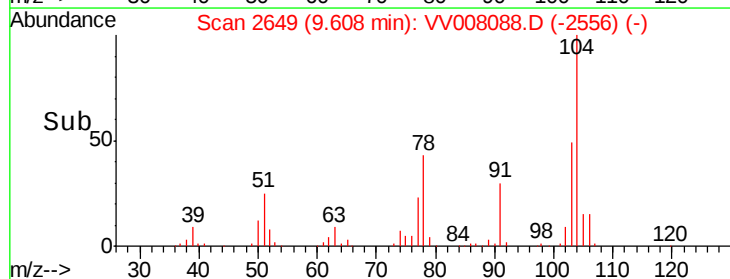
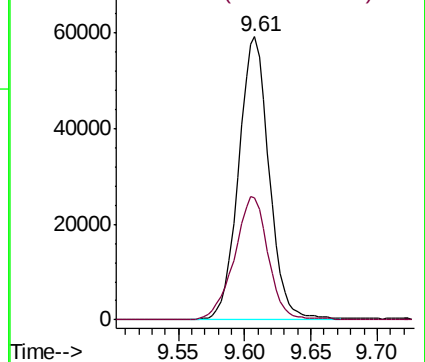
104 100

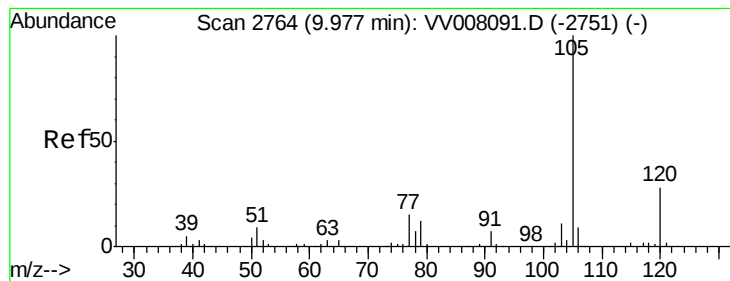
78 43.0 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.438 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

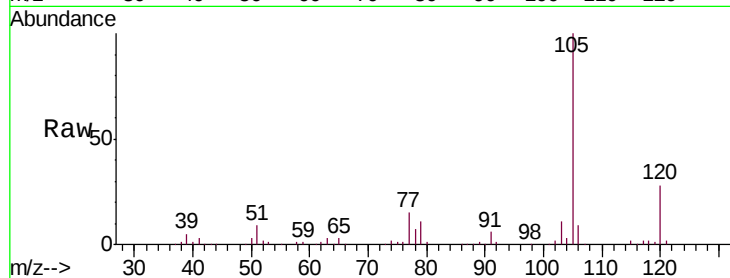
Tgt Ion: 105 Resp: 152267

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

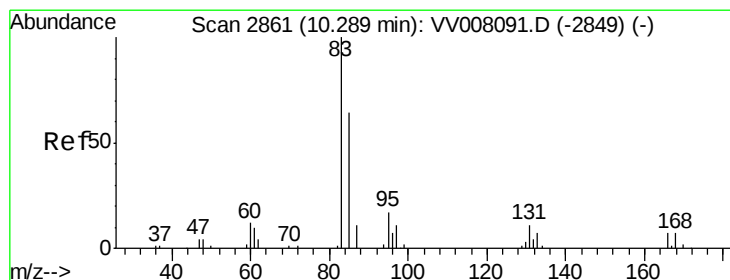
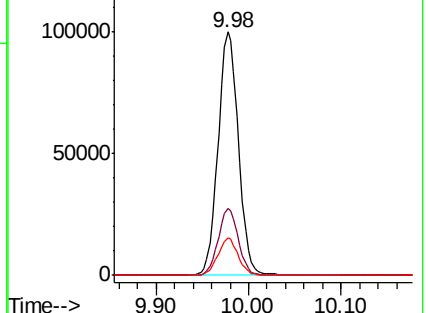
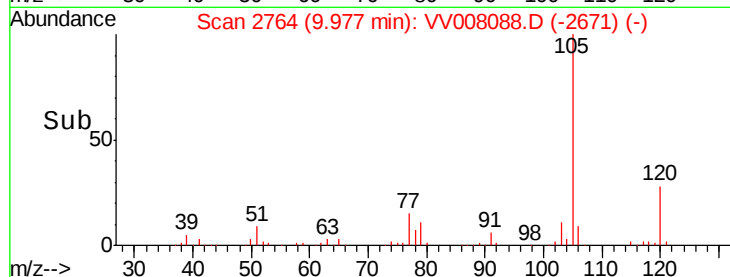
77 15.4 12.2 18.4



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: 5.092 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

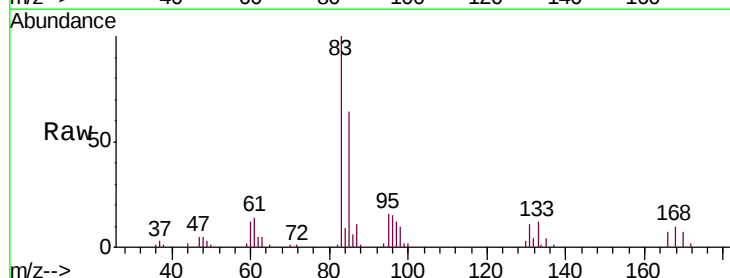
Tgt Ion: 83 Resp: 27099

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

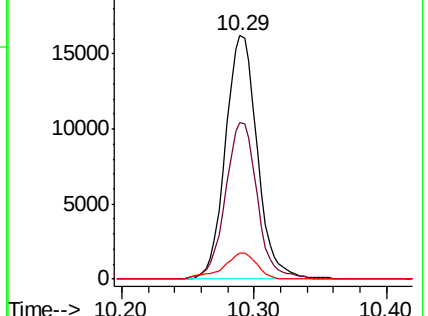
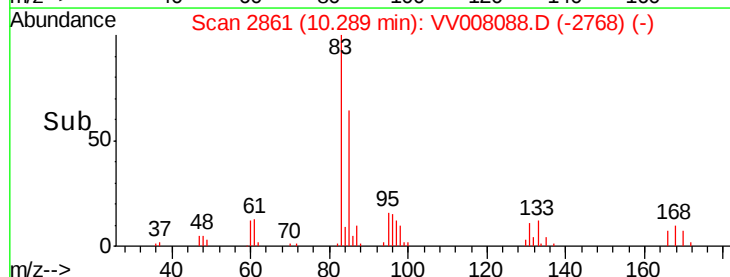
131 10.7 8.8 13.2

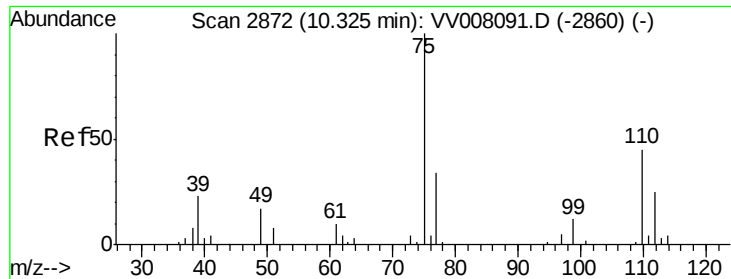


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

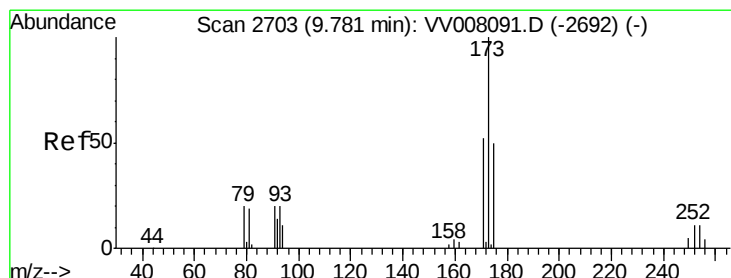
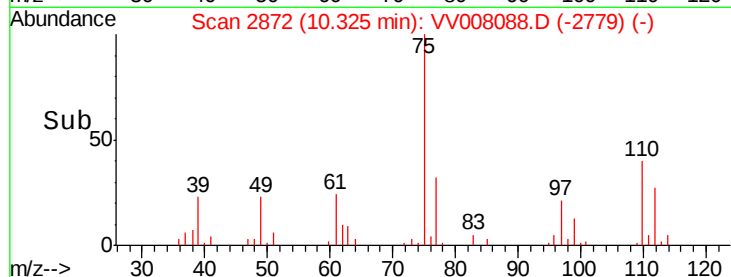
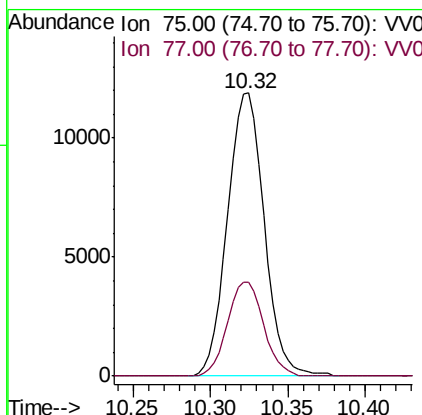
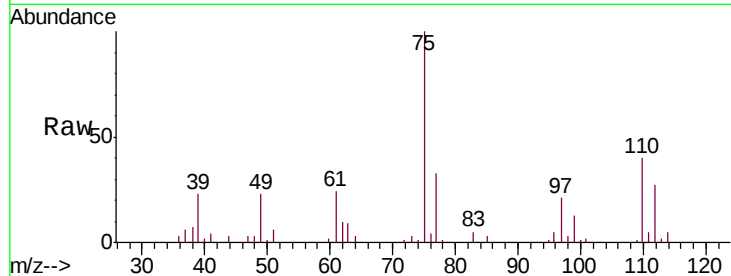




#59
 1,2,3-Trichloropropane
 Concen: 5.124 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

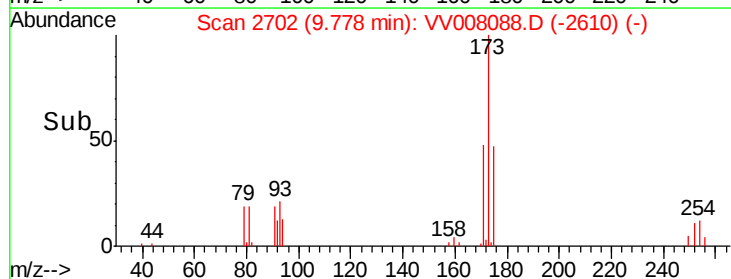
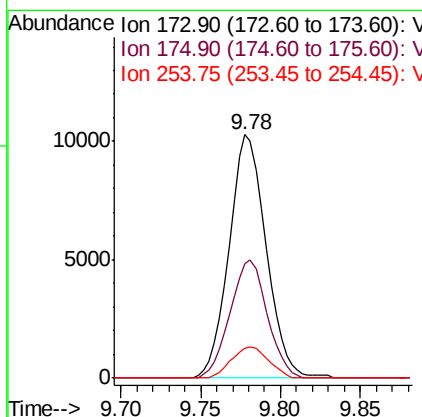
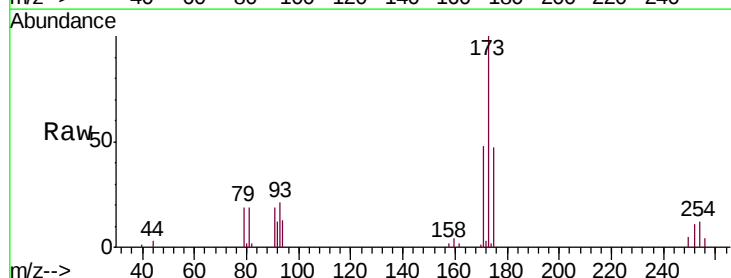
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

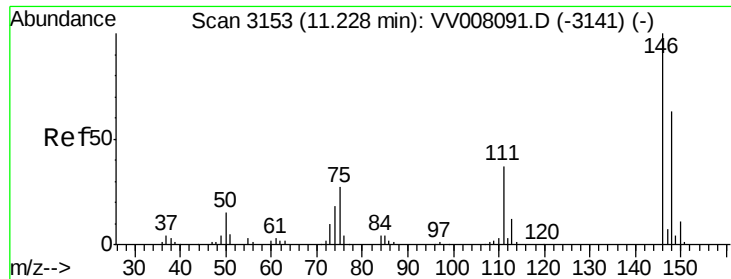
Tgt Ion: 75 Resp: 19582
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.8 41.6



#61
 Bromoform
 Concen: 5.223 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Tgt Ion: 173 Resp: 16186
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.8 59.8
 254 12.7 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 5.196 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

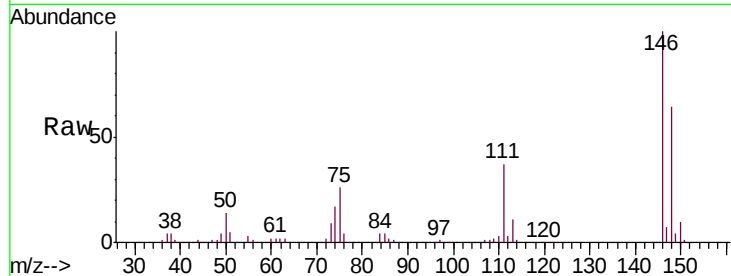
Tgt Ion:146 Resp: 77855

Ion Ratio Lower Upper

146 100

111 37.1 25.8 48.0

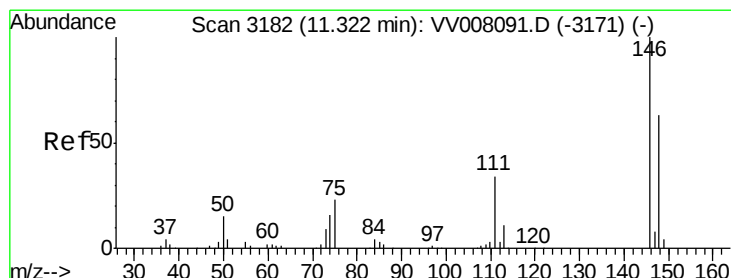
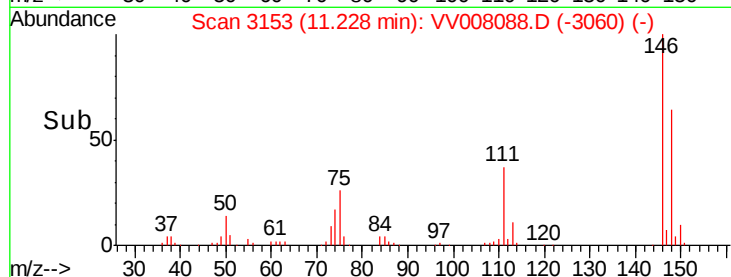
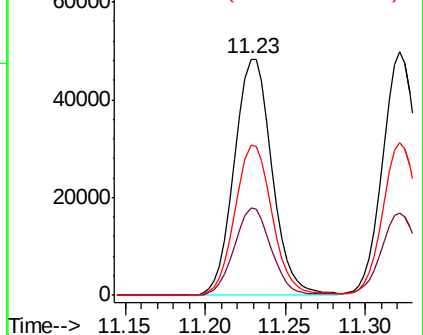
148 63.7 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.203 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

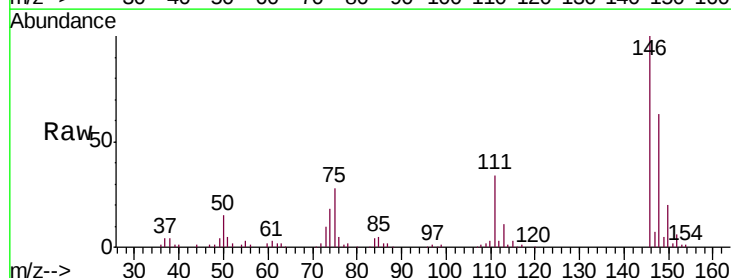
Tgt Ion:146 Resp: 79477

Ion Ratio Lower Upper

146 100

111 34.0 24.2 45.0

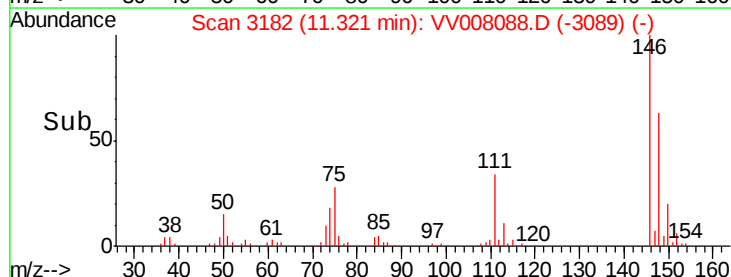
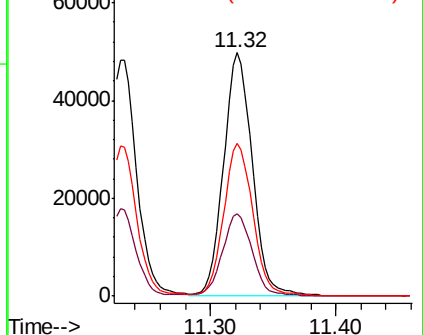
148 62.6 44.0 81.6

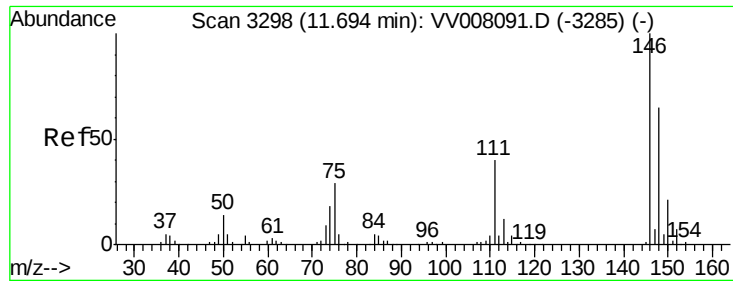


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

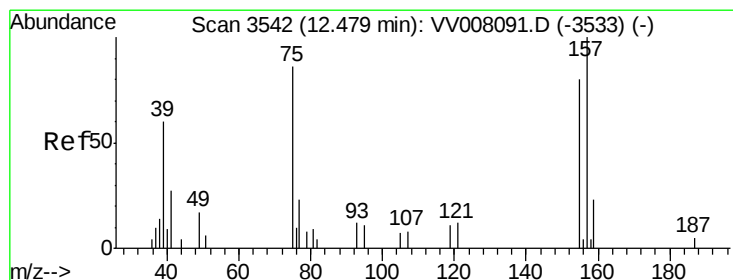
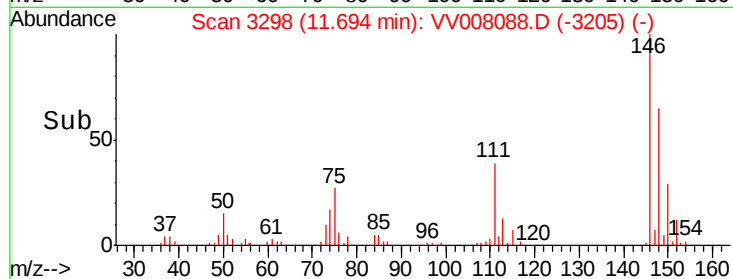
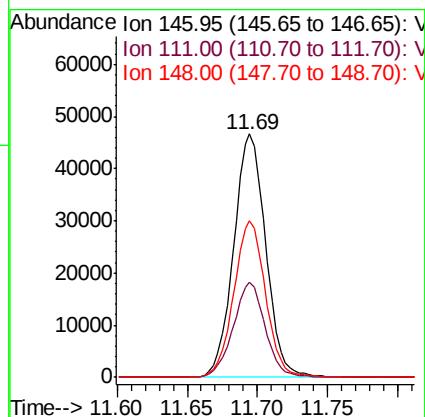
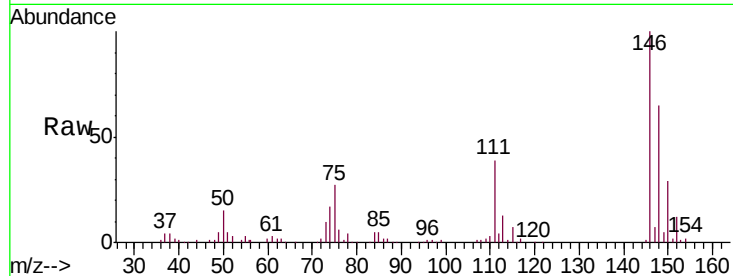




#65
 1,2-Dichlorobenzene
 Concen: 5.134 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

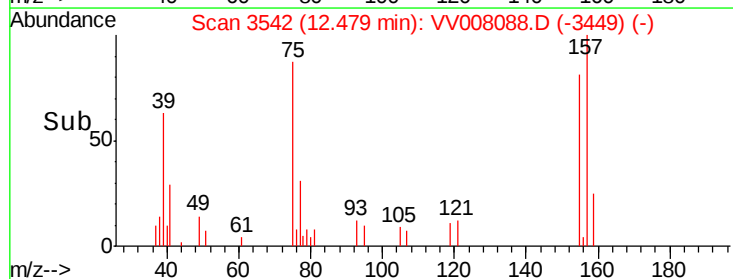
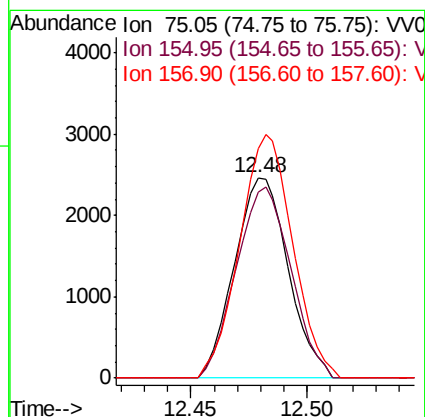
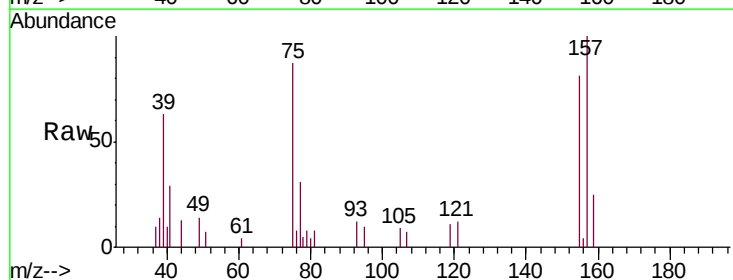
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

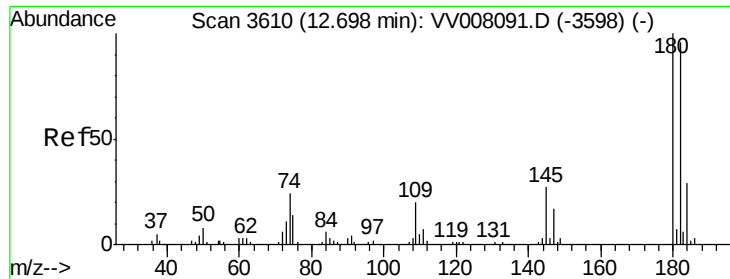
Tgt Ion:146 Resp: 74319
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.8 47.6
 148 64.5 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.248 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Tgt Ion: 75 Resp: 3968
 Ion Ratio Lower Upper
 75 100
 155 92.8 74.7 112.1
 157 114.4 93.1 139.7

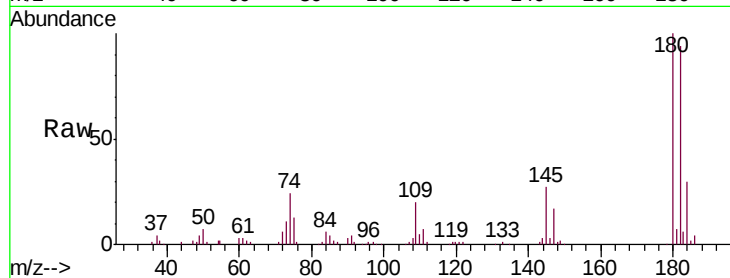




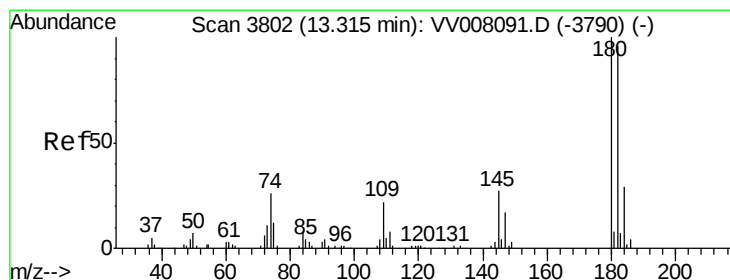
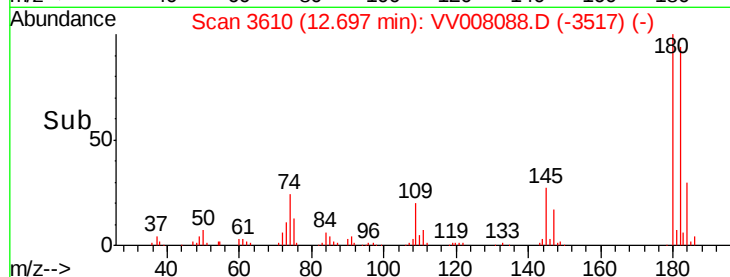
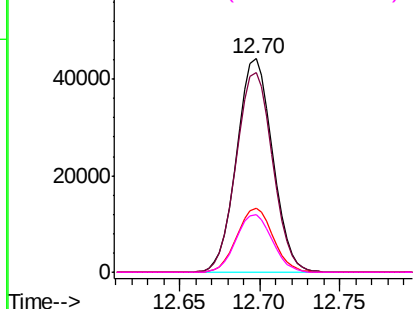
#67
 1,3,5-Trichlorobenzene
 Concen: 5.284 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion:180 Resp: 67470
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.6
 184 30.2 24.2 36.2
 145 27.1 22.2 33.2

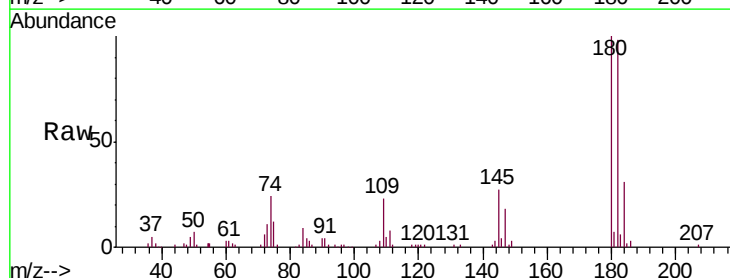


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

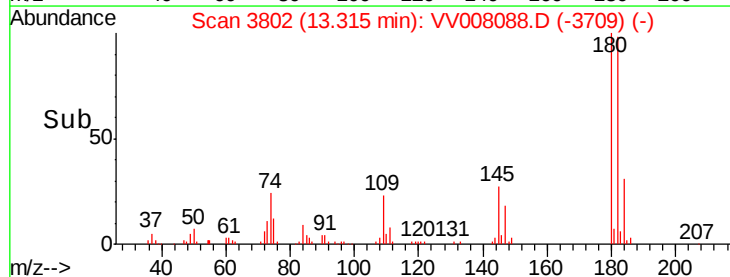
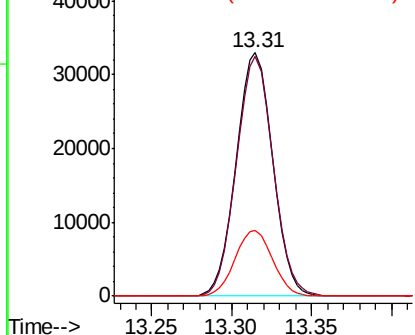


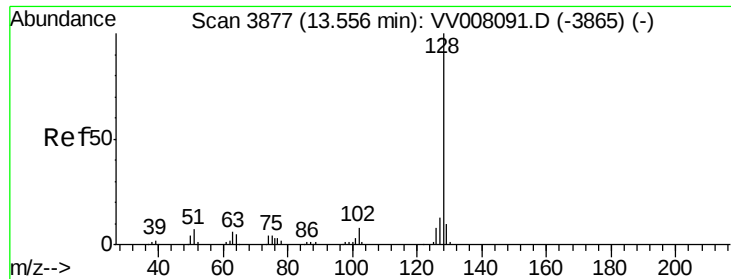
#68
 1,2,4-trichlorobenzene
 Concen: 5.391 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008088.D
 Acq: 05 Oct 2018 10:12

Tgt Ion:180 Resp: 51347
 Ion Ratio Lower Upper
 180 100
 182 98.5 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: 5.246 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

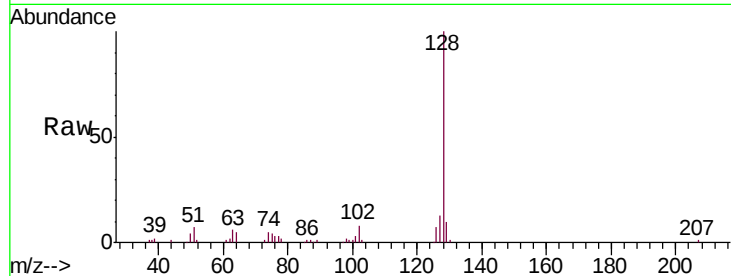
Tgt Ion:128 Resp: 63793

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

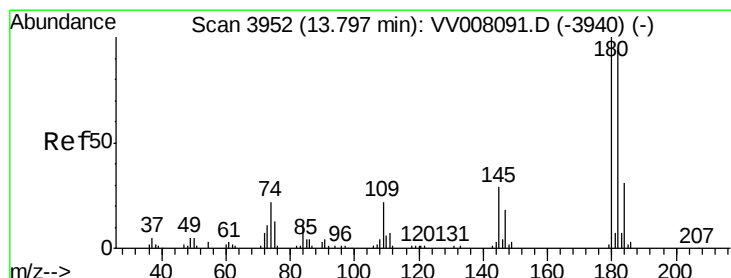
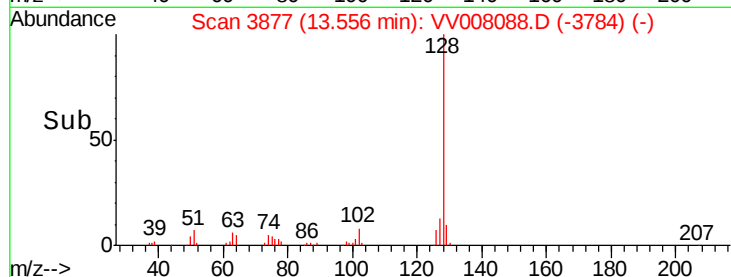
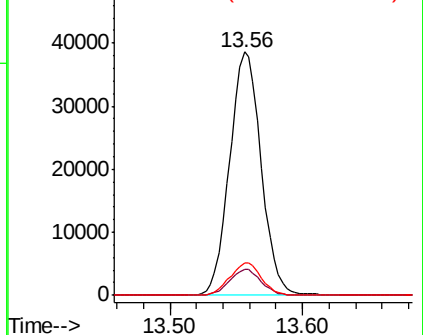
127 13.2 10.2 15.2



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: 5.331 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008088.D

Acq: 05 Oct 2018 10:12

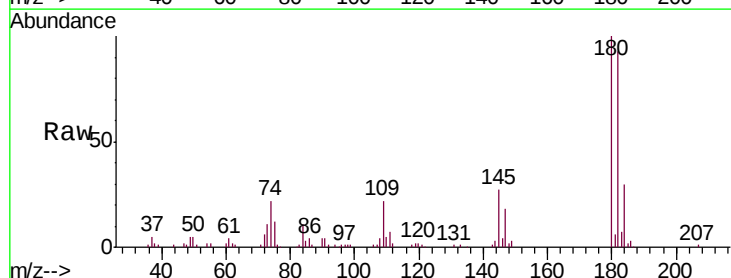
Tgt Ion:180 Resp: 48290

Ion Ratio Lower Upper

180 100

182 95.8 75.1 112.7

145 28.6 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

