

Data File : VV008091.D
Acq On : 05 Oct 2018 11:48
Operator : SY/MD
Sample : VSTD00571
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Quant Time: Oct 06 00:12:29 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	95059	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	92198	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27783	5.35	ug/L	0.00
7) Chloroethane-d5	1.59	69	24166	5.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	55600	4.84	ug/L	0.00
20) 2-Butanone-d5	3.96	46	70268	46.02	ug/L	0.00
24) Chloroform-d	4.41	84	60210	5.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	29559	4.66	ug/L	0.00
32) Benzene-d6	5.10	84	114555	5.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	35449	5.03	ug/L	0.00
41) Toluene-d8	7.36	98	114817	5.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	13065	4.82	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	52468	44.76	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25882	4.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	42627	4.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	33234	4.303 ug/L	100
3) Chloromethane	1.25	50	26972	3.993 ug/L	100
5) Vinyl chloride	1.33	62	30451	4.176 ug/L	100
6) Bromomethane	1.54	94	13726	3.190 ug/L	100
8) Chloroethane	1.60	64	19391	4.354 ug/L	100
9) Trichlorofluoromethane	1.77	101	51244	4.278 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30651	4.468 ug/L	100
12) 1,1-Dichloroethene	2.15	96	26195	4.305 ug/L	100
13) Acetone	2.21	43	43819	40.370 ug/L	100
14) Carbon disulfide	2.32	76	63711	3.893 ug/L	100
15) Methyl Acetate	2.47	43	11325	4.028 ug/L	100
16) Methylene chloride	2.54	84	28411	4.166 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	65113	4.302 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	28185	4.203 ug/L	100
19) 1,1-Dichloroethane	3.23	63	53537	4.629 ug/L	100
21) 2-Butanone	4.05	43	73701	42.246 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	31941	4.631 ug/L	100
23) Bromochloromethane	4.30	128	14991	4.924 ug/L	100
25) Chloroform	4.43	83	58411	4.643 ug/L	100
27) 1,2-Dichloroethane	5.19	62	34325	4.317 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	50966	4.657 ug/L	100
30) Cyclohexane	4.73	56	41579	4.136 ug/L	100
31) Carbon tetrachloride	4.88	117	45466	4.704 ug/L	100
33) Benzene	5.15	78	118037	4.553 ug/L	100
34) Trichloroethene	5.96	95	32382	4.377 ug/L	100
35) Methylcyclohexane	6.18	83	45660	4.170 ug/L	100
37) 1,2-Dichloropropane	6.23	63	31182	4.660 ug/L	100
38) Bromodichloromethane	6.56	83	37996	4.747 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	40516	4.553 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	181217	43.619 ug/L	100

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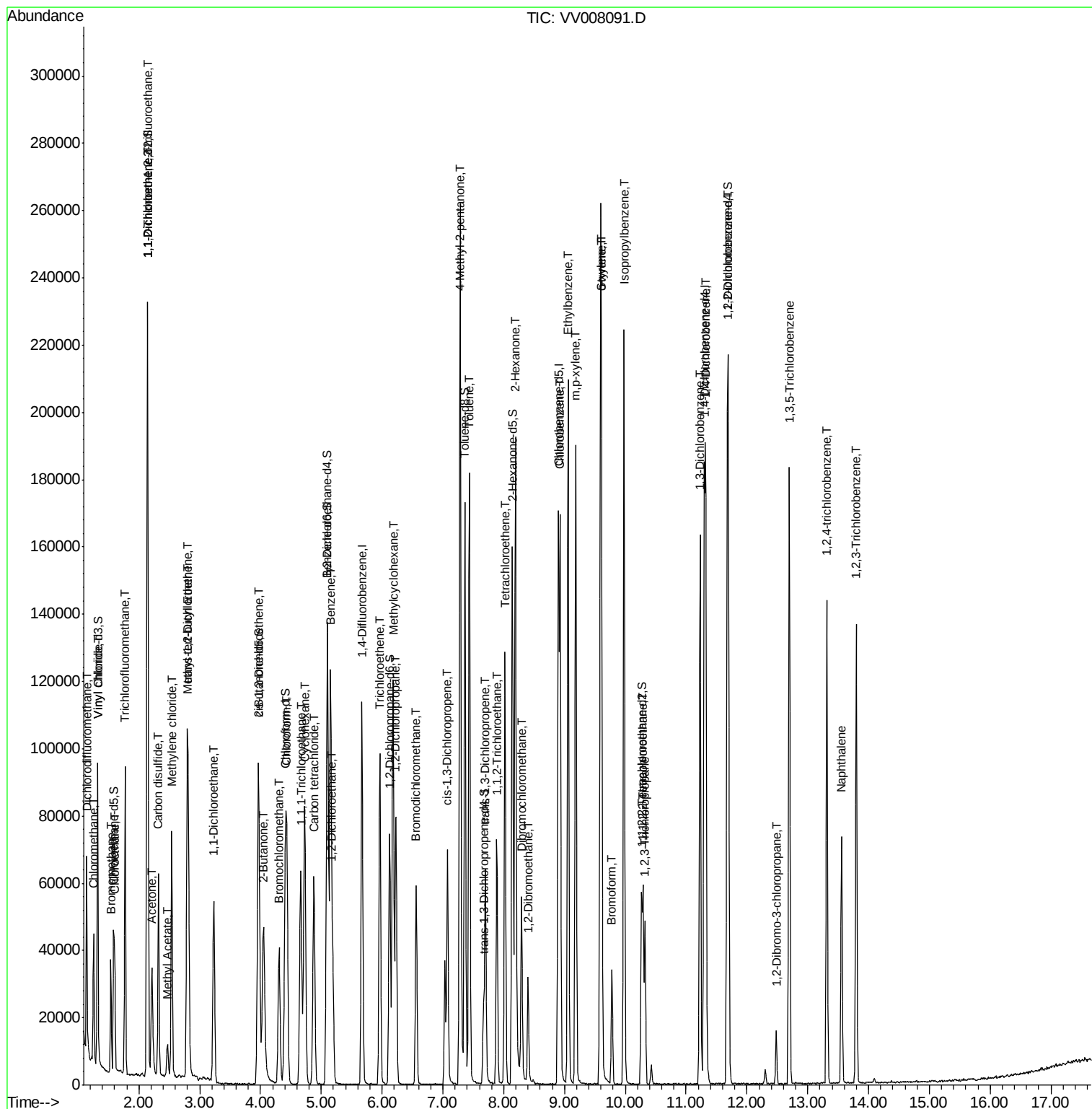
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	128711	4.562	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	33385	4.531	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	22529	4.646	ug/L	100
47) Tetrachloroethene	8.02	164	29803	4.358	ug/L	100
48) 2-Hexanone	8.19	43	129806	44.934	ug/L	100
49) Dibromochloromethane	8.29	129	27292	4.904	ug/L	100
50) 1,2-Dibromoethane	8.40	107	20610	4.696	ug/L	100
51) Chlorobenzene	8.93	112	88086	4.509	ug/L	100
52) Ethylbenzene	9.06	91	138834	4.436	ug/L	100
53) m,p-xylene	9.18	106	53565	4.479	ug/L	100
54) o-xylene	9.59	106	50568	4.396	ug/L	100
55) Styrene	9.61	104	89340	4.536	ug/L	100
56) Isopropylbenzene	9.98	105	139562	4.479	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25890	4.579	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	18624	4.504	ug/L	100
61) Bromoform	9.78	173	15262	5.117	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	71505	4.530	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	73917	4.496	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	69113	4.621	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	3736	4.861	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	61513	4.544	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	47486	4.196	ug/L	100
69) Naphthalene	13.56	128	59091	3.820	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	45051	4.390	ug/L	100

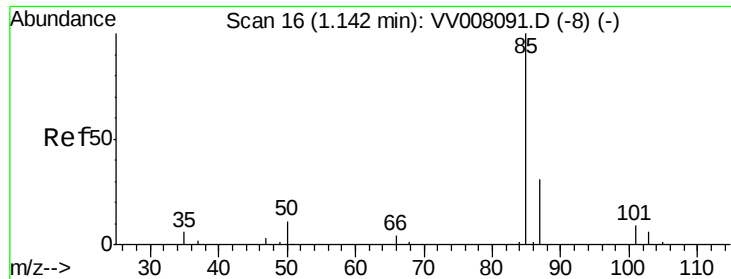
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.303 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

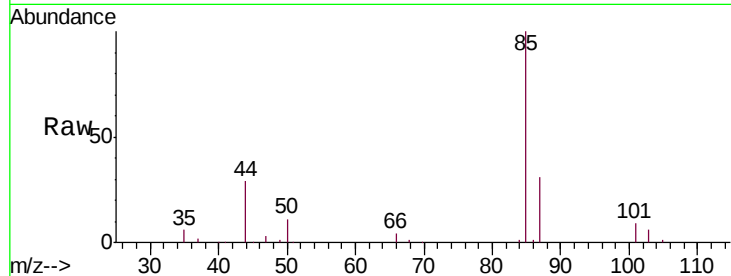
VSTD00571

Tgt Ion: 85 Resp: 33234

Ion Ratio Lower Upper

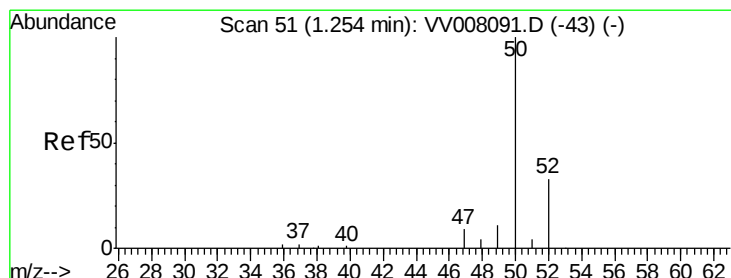
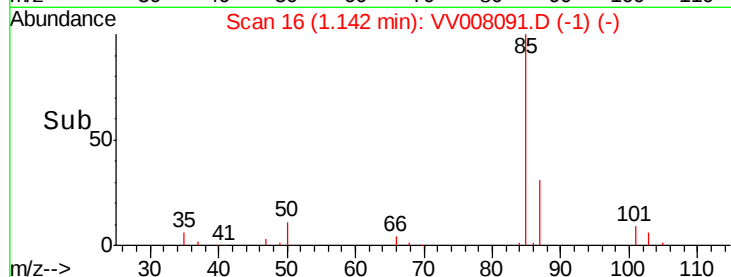
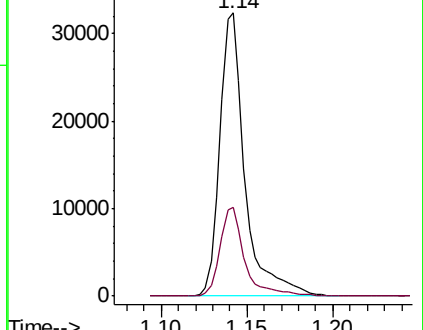
85 100

87 30.8 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: 3.993 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008091.D

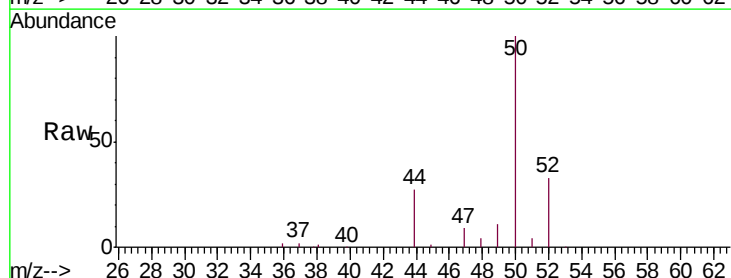
Acq: 05 Oct 2018 11:48

Tgt Ion: 50 Resp: 26972

Ion Ratio Lower Upper

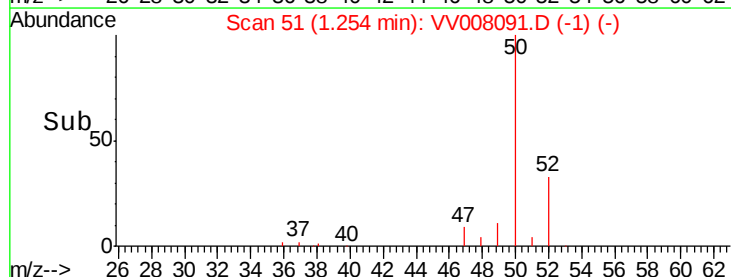
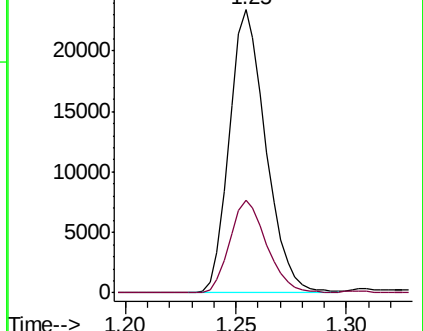
50 100

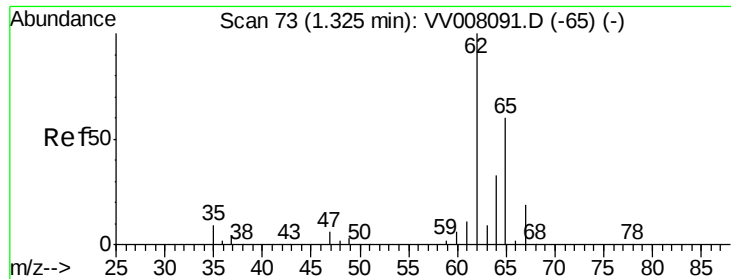
52 32.7 22.9 42.5



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: 4.176 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

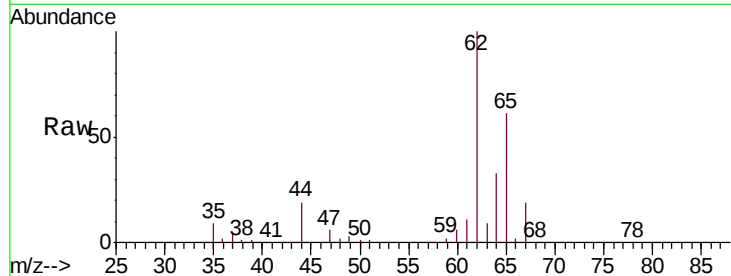
VSTD00571

Tgt Ion: 62 Resp: 30451

Ion Ratio Lower Upper

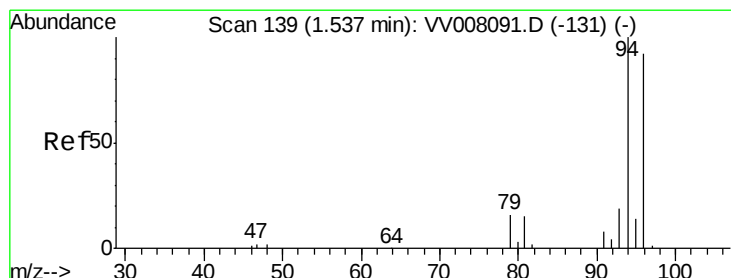
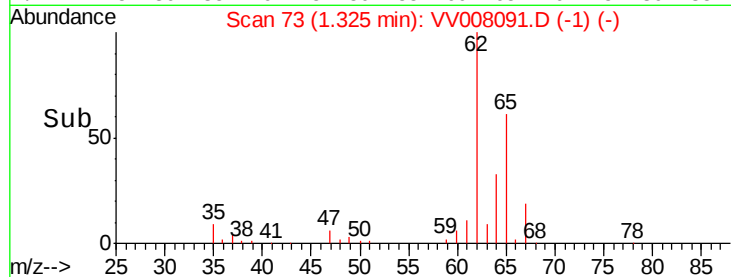
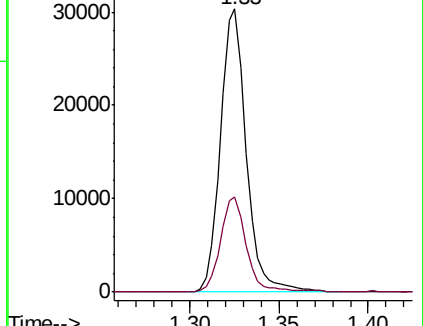
62 100

64 33.4 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008091.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008091.D (-65) (-)



#6

Bromomethane

Concen: 3.190 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008091.D

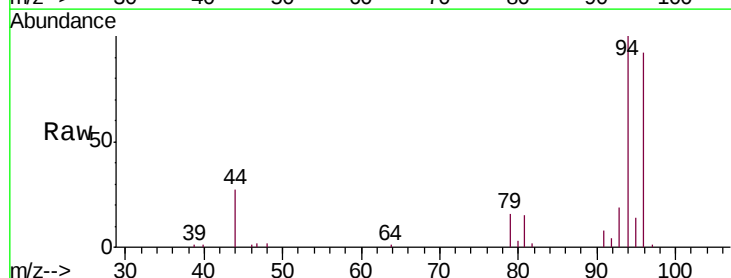
Acq: 05 Oct 2018 11:48

Tgt Ion: 94 Resp: 13726

Ion Ratio Lower Upper

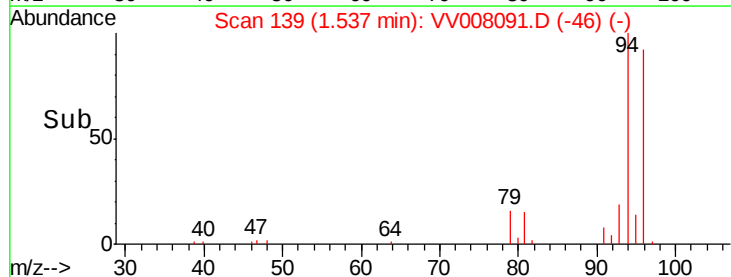
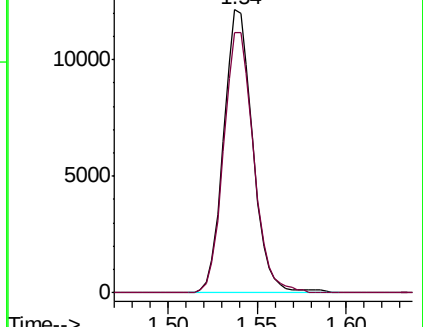
94 100

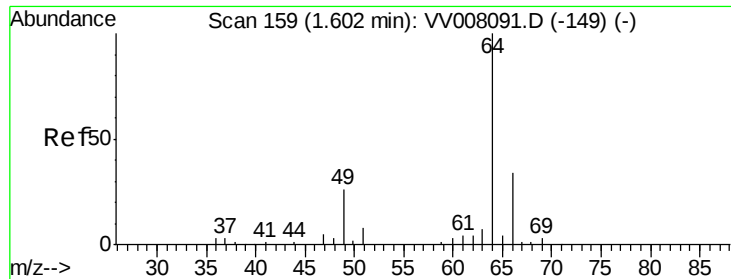
96 92.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008091.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008091.D (-131) (-)

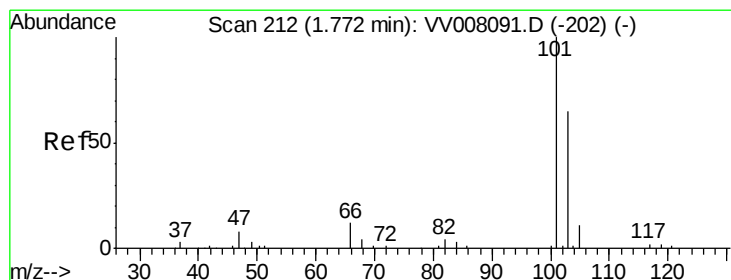
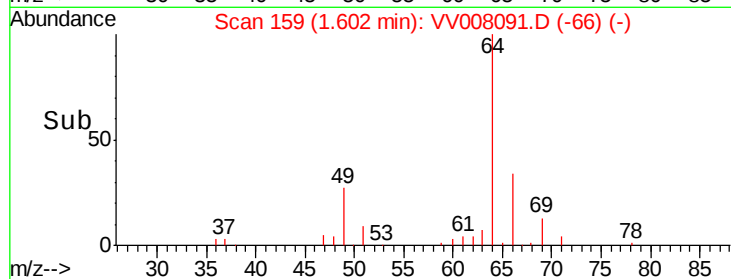
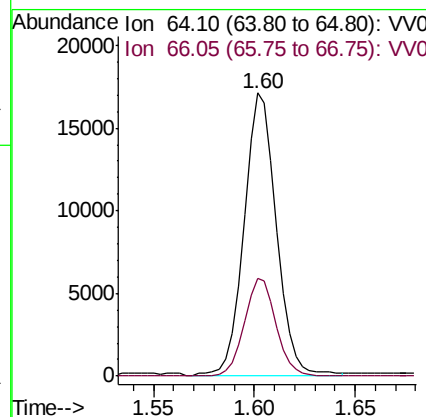
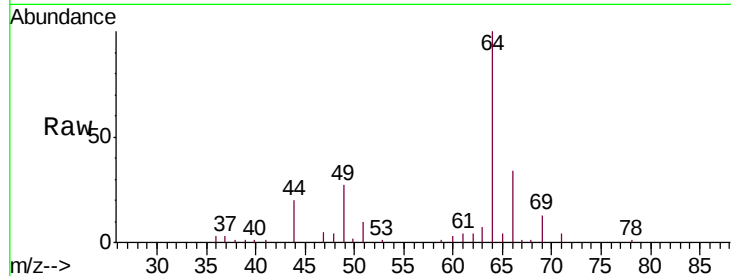




#8
Chloroethane
Concen: 4.354 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

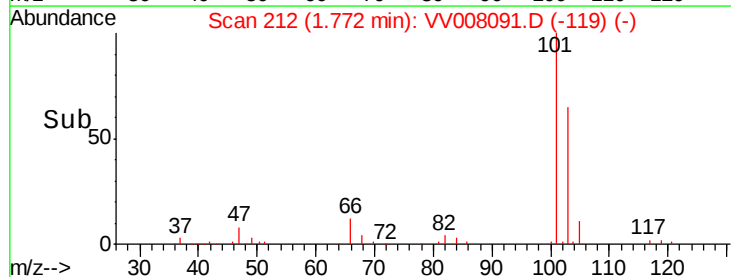
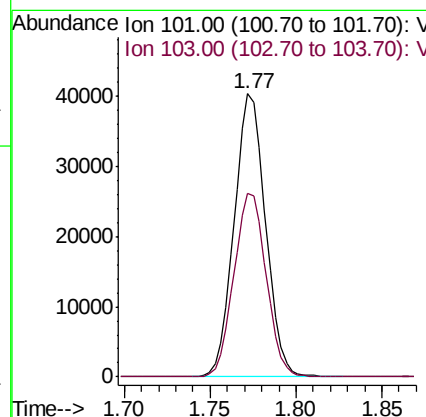
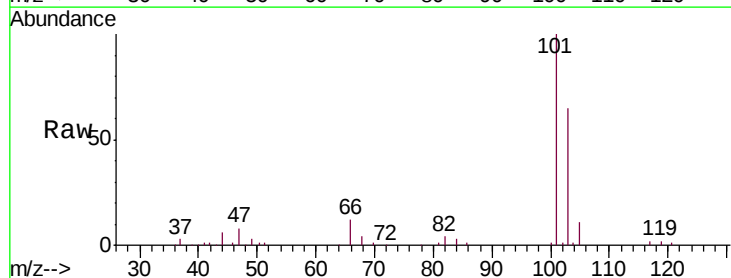
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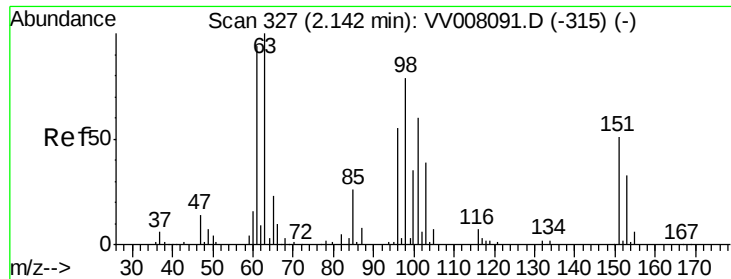
Tgt Ion: 64 Resp: 19391
Ion Ratio Lower Upper
64 100
66 34.5 24.1 44.8



#9
Trichlorofluoromethane
Concen: 4.278 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion: 101 Resp: 51244
Ion Ratio Lower Upper
101 100
103 66.4 53.1 79.7





#10

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

Concen: 4.468 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

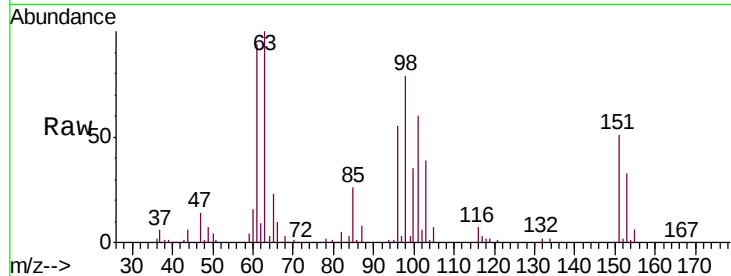
Tgt Ion:101 Resp: 30651

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

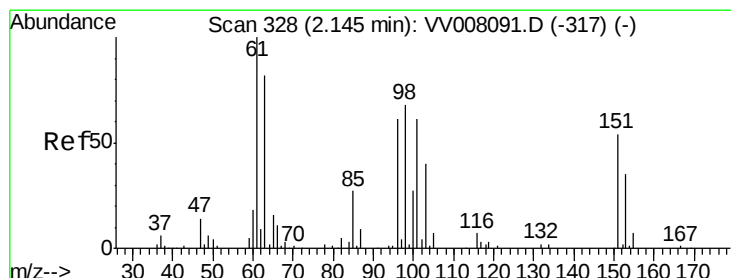
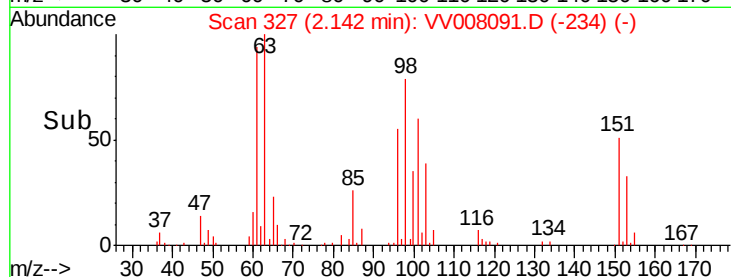
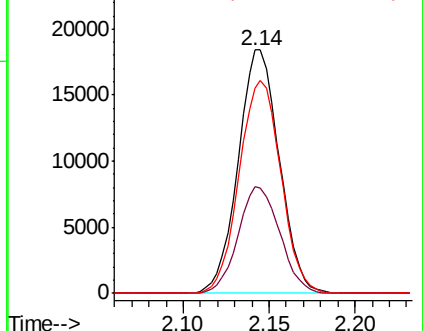
151 88.4 70.7 106.1



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: 4.305 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

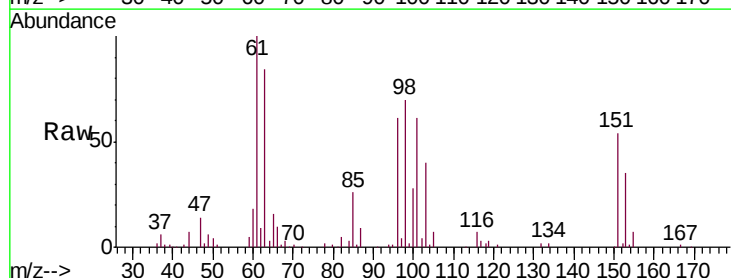
Tgt Ion: 96 Resp: 26195

Ion Ratio Lower Upper

96 100

61 163.9 114.7 213.1

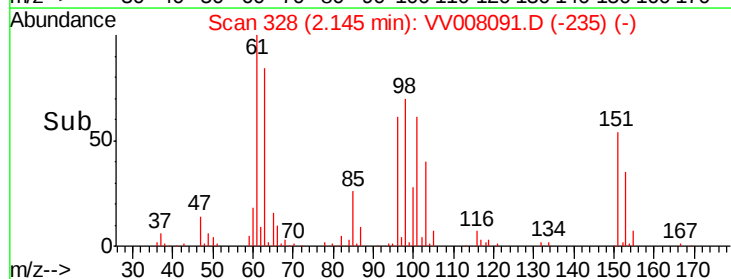
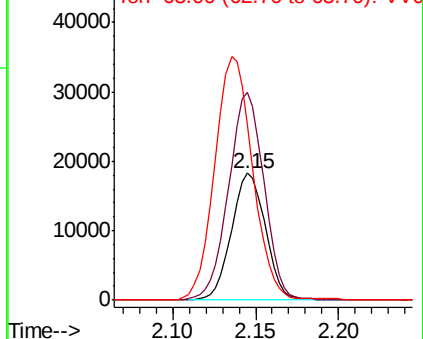
63 138.4 96.9 179.9

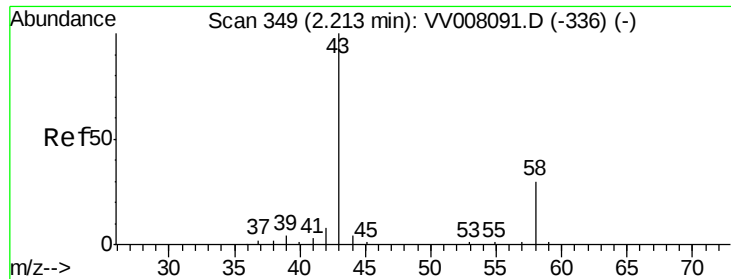


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.370 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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ClientSampleId :

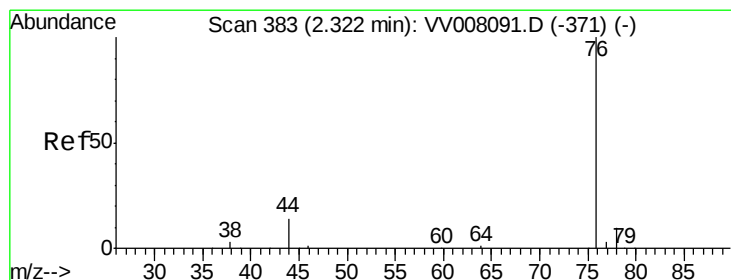
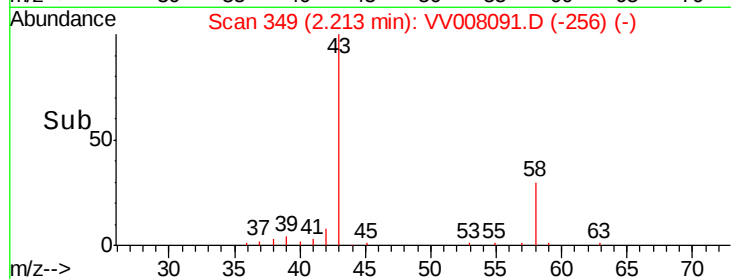
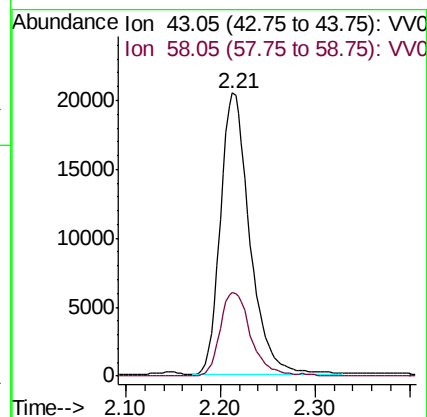
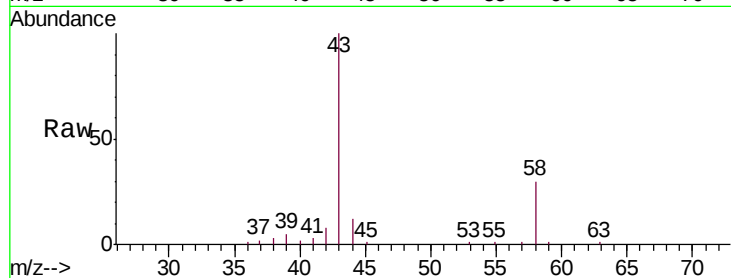
VSTD00571

Tgt Ion: 43 Resp: 43819

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.2



#14

Carbon disulfide

Concen: 3.893 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008091.D

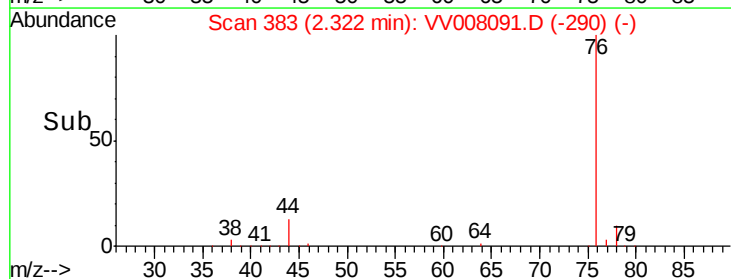
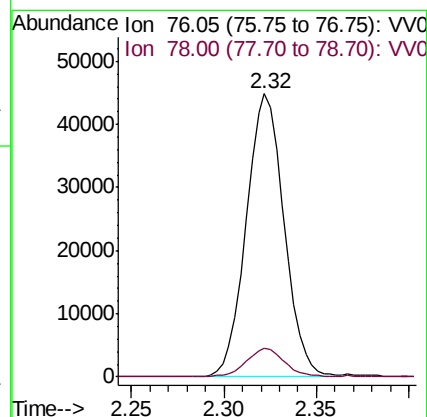
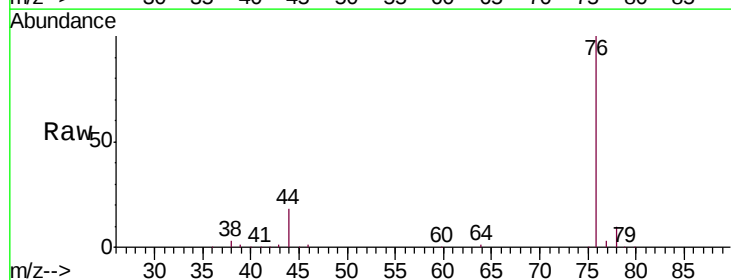
Acq: 05 Oct 2018 11:48

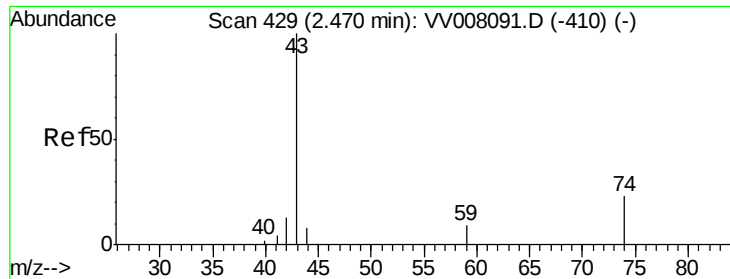
Tgt Ion: 76 Resp: 63711

Ion Ratio Lower Upper

76 100

78 10.0 8.0 12.0

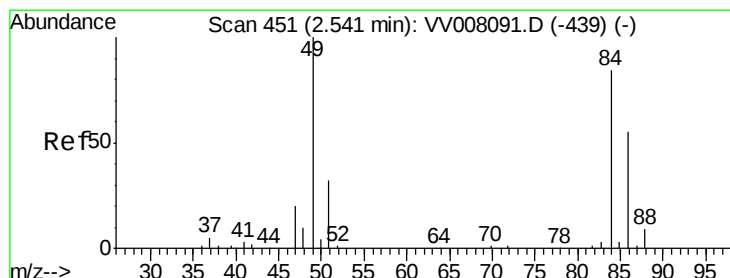
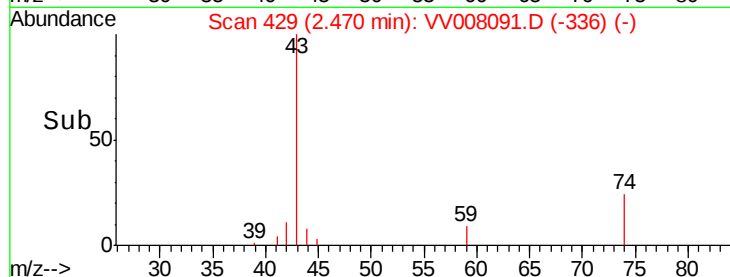
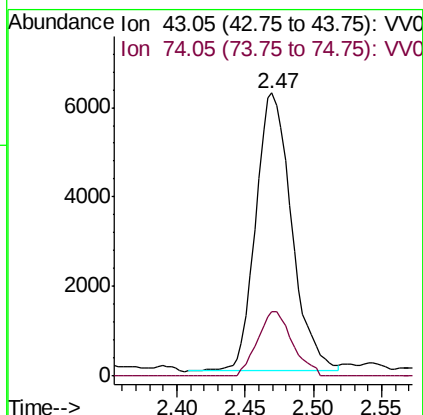
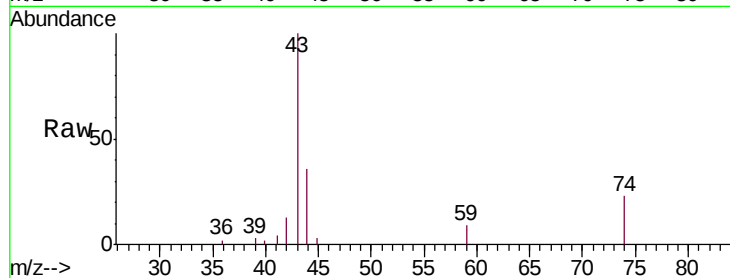




#15
Methyl Acetate
Concen: 4.028 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

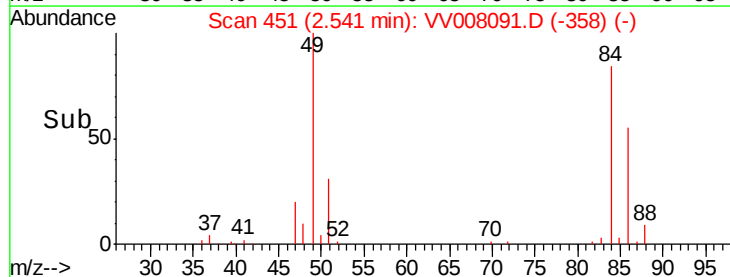
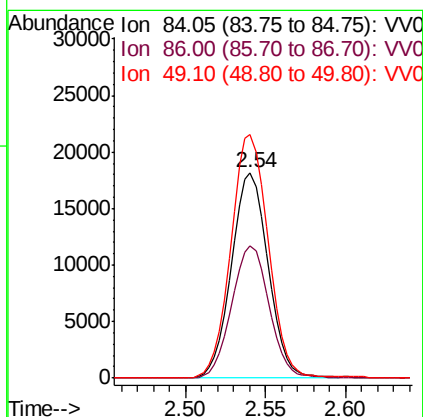
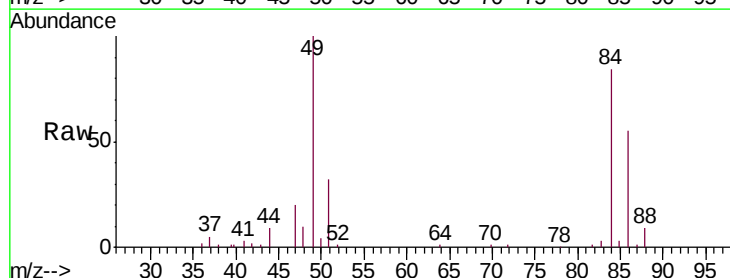
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

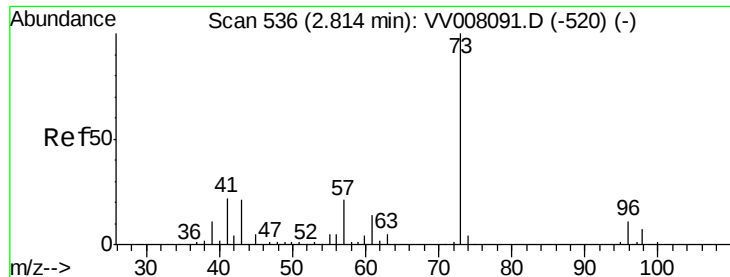
Tgt Ion: 43 Resp: 11325
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 4.166 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion: 84 Resp: 28411
Ion Ratio Lower Upper
84 100
86 64.7 45.3 84.1
49 118.5 83.0 154.1

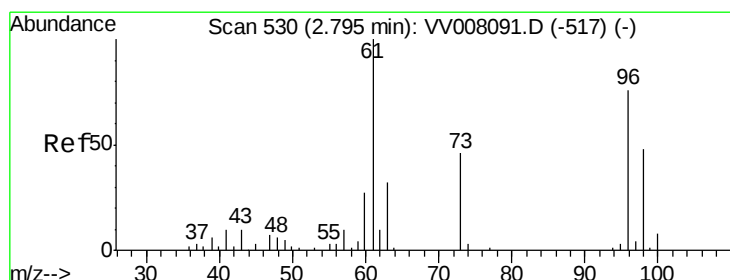
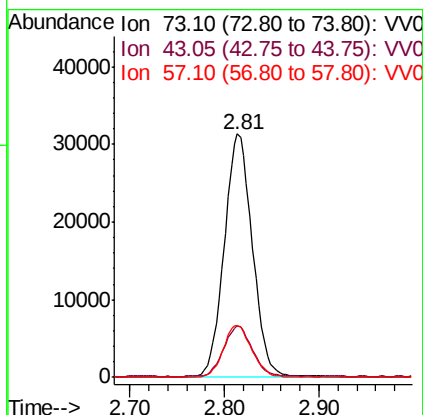
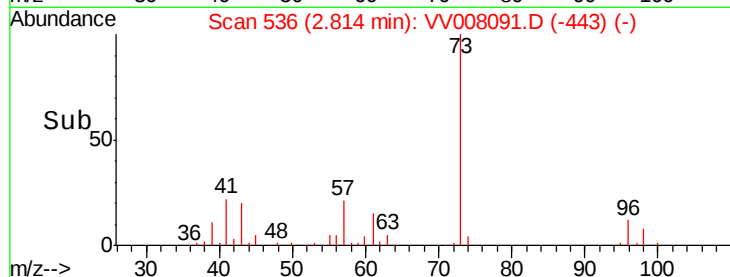
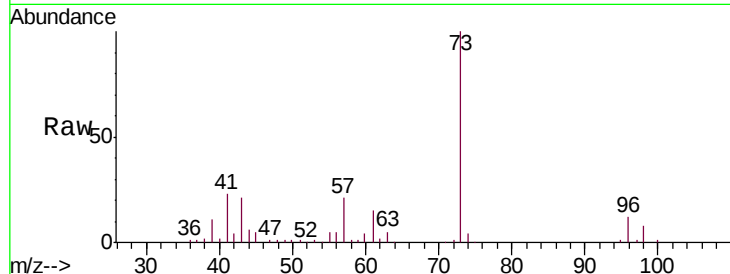




#17
Methyl tert-butyl Ether
Concen: 4.302 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

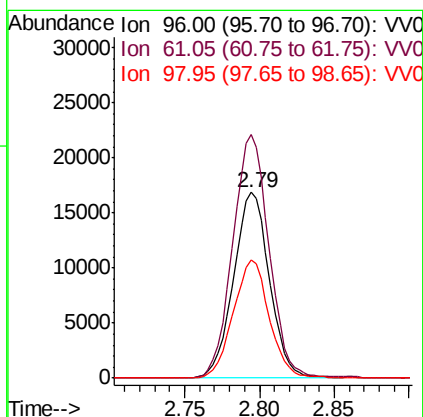
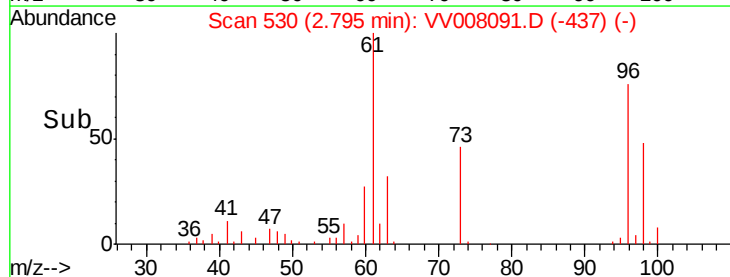
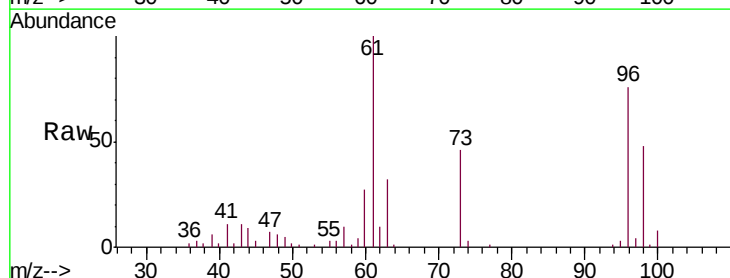
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

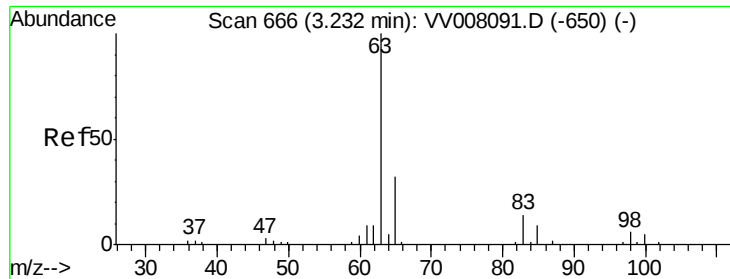
Tgt Ion: 73 Resp: 65113
Ion Ratio Lower Upper
73 100
43 21.2 17.0 25.4
57 21.6 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.203 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion: 96 Resp: 28185
Ion Ratio Lower Upper
96 100
61 130.9 91.6 170.2
98 63.5 44.4 82.5

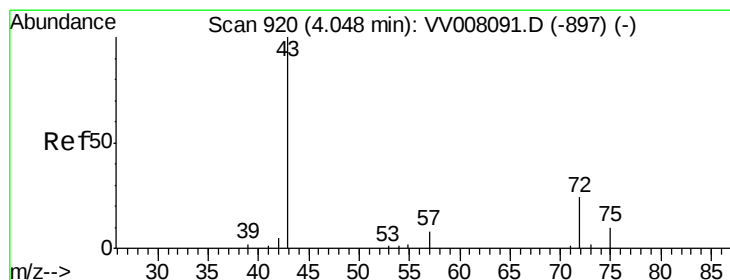
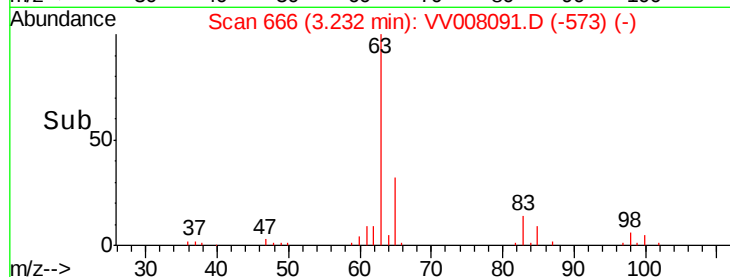
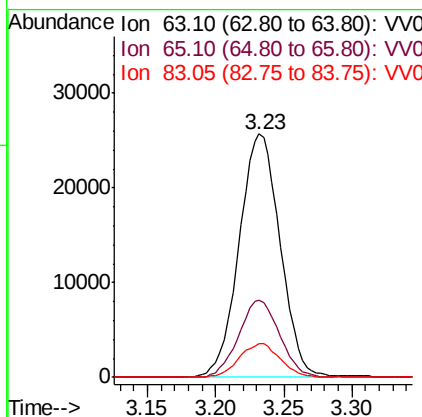
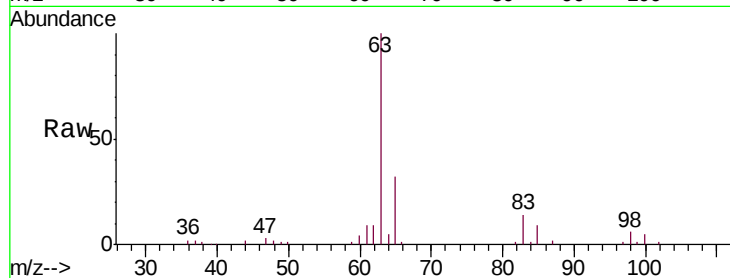




#19
 1,1-Dichloroethane
 Concen: 4.629 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

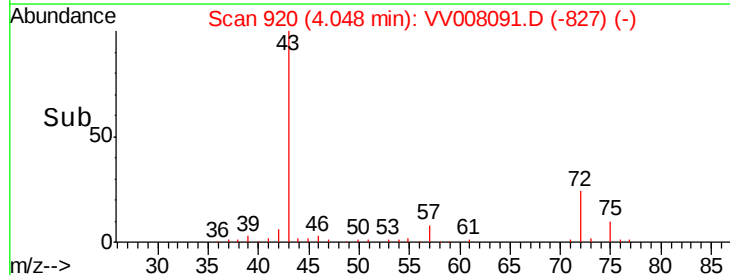
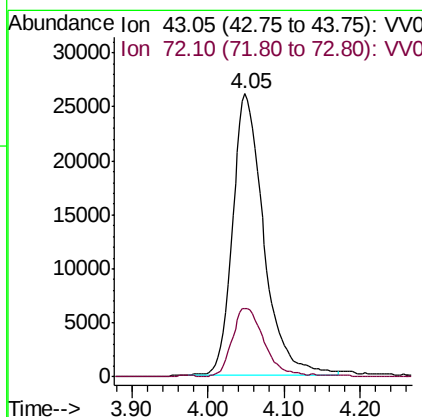
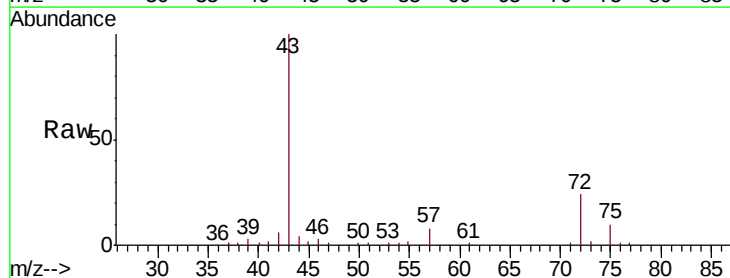
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

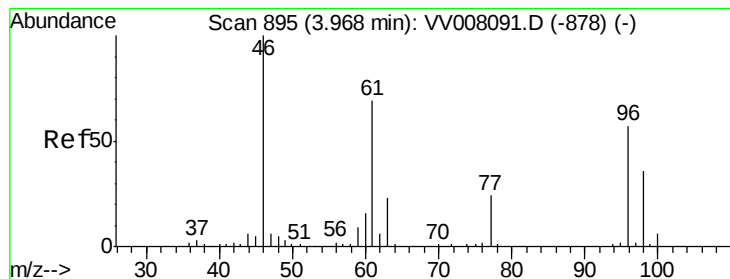
Tgt Ion: 63 Resp: 53537
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.4 41.6
 83 13.7 9.6 17.8



#21
 2-Butanone
 Concen: 42.246 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Tgt Ion: 43 Resp: 73701
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.9 38.6





#22

cis-1,2-Dichloroethene

Concen: 4.631 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

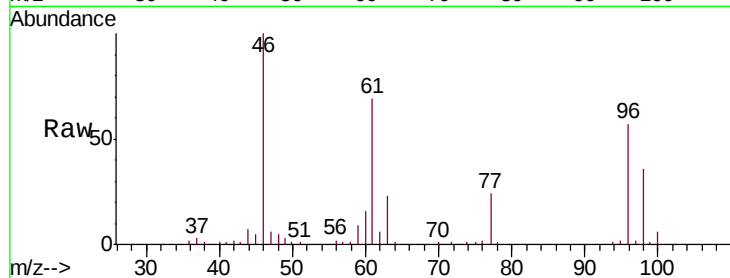
Tgt Ion: 96 Resp: 31941

Ion Ratio Lower Upper

96 100

61 121.6 85.1 158.1

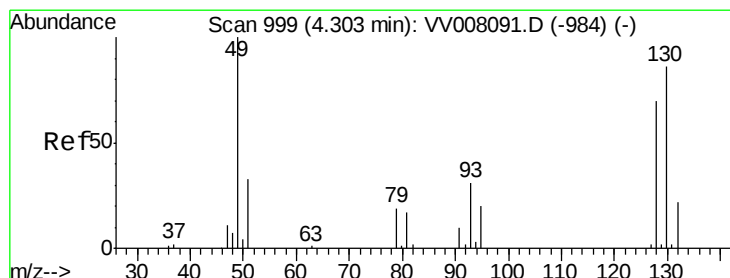
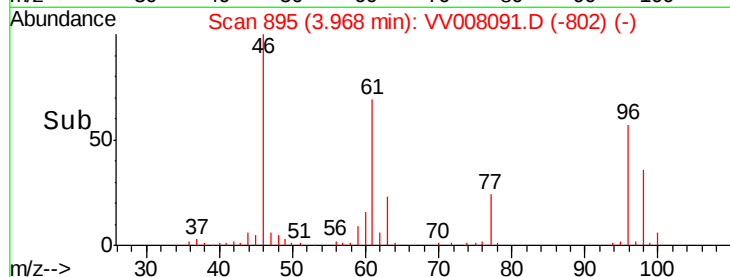
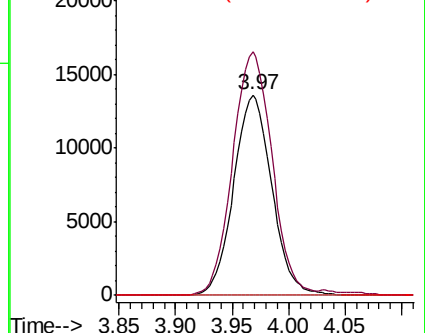
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008091.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV008091.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV008091.D (-878) (-)



#23

Bromochloromethane

Concen: 4.924 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Tgt Ion: 128 Resp: 14991

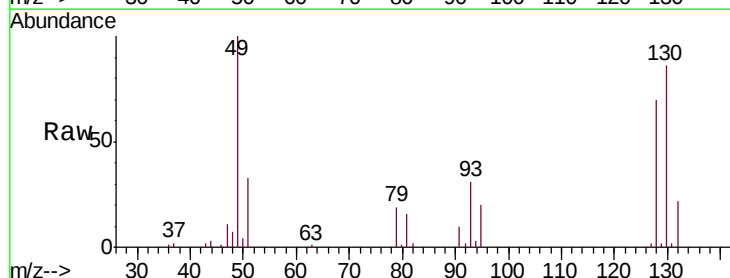
Ion Ratio Lower Upper

128 100

49 142.5 99.8 185.3

130 122.1 85.5 158.7

51 47.5 38.0 57.0

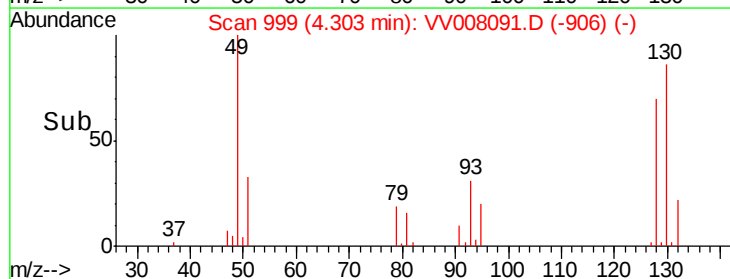
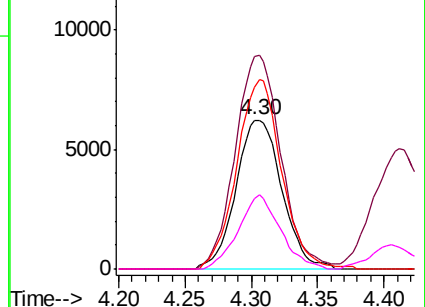


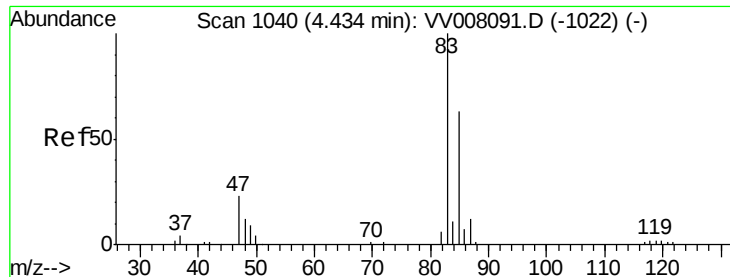
Abundance Ion 127.90 (127.60 to 128.60): VV008091.D (-984) (-)

Ion 49.10 (48.80 to 49.80): VV008091.D (-984) (-)

Ion 129.95 (129.65 to 130.65): VV008091.D (-984) (-)

Ion 51.05 (50.75 to 51.75): VV008091.D (-984) (-)

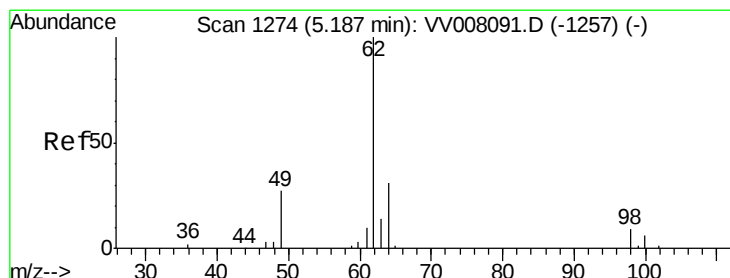
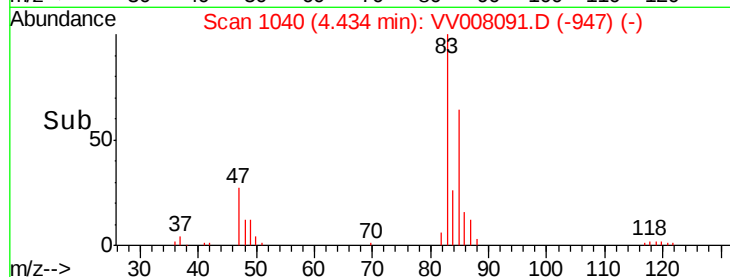
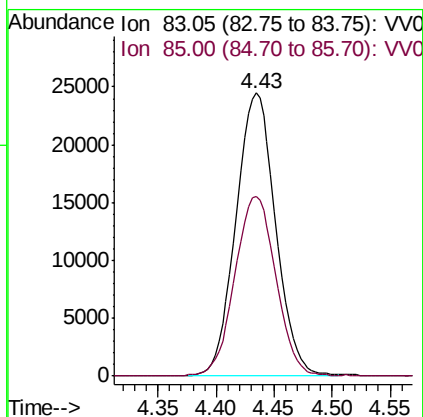
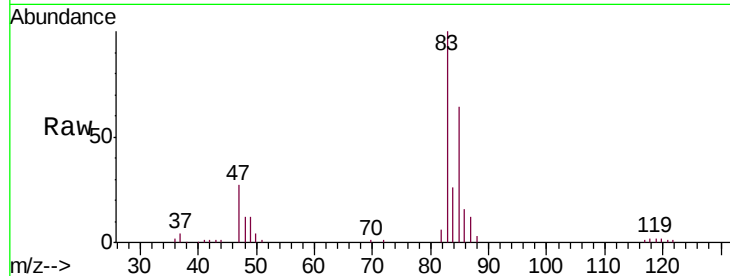




#25
Chloroform
Concen: 4.643 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

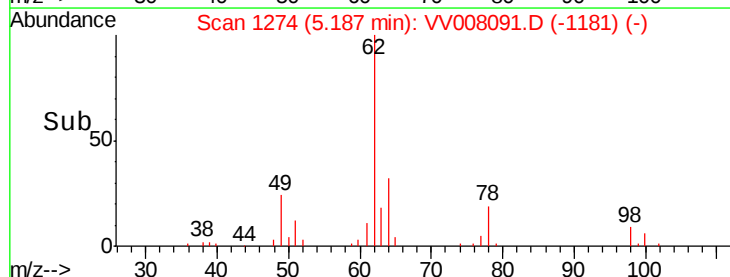
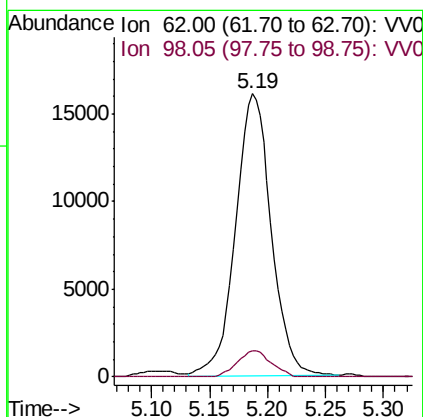
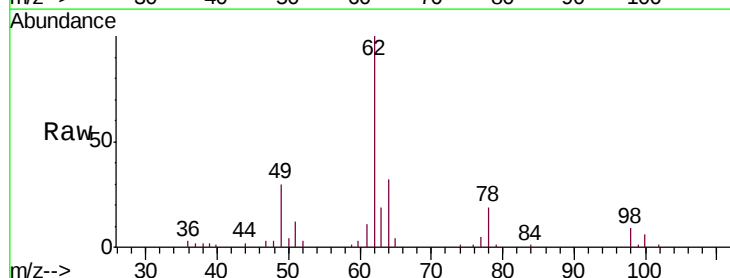
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

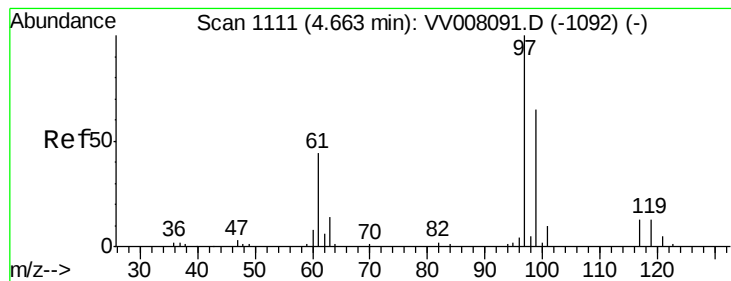
Tgt Ion: 83 Resp: 58411
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.317 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion: 62 Resp: 34325
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.657 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

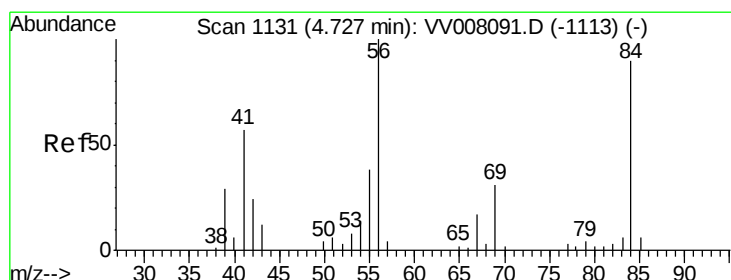
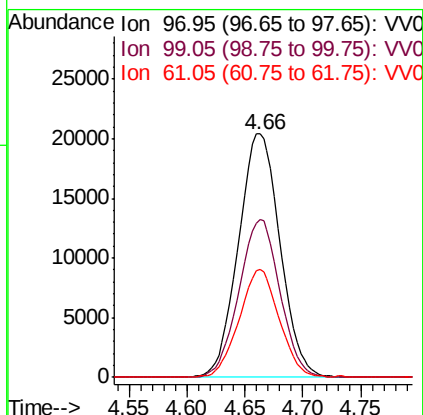
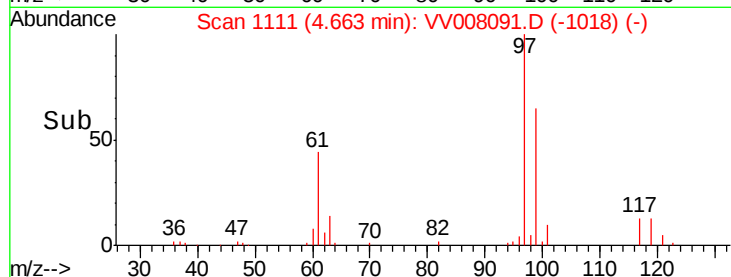
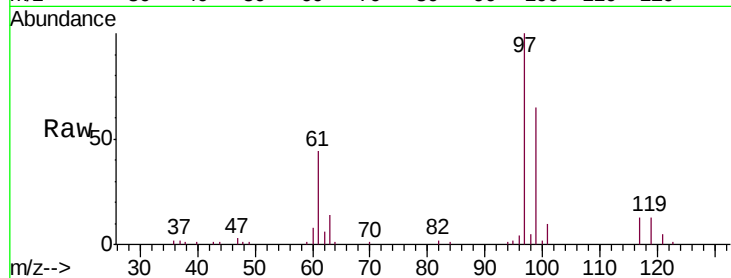
Tgt Ion: 97 Resp: 50966

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 42.5 34.0 51.0



#30

Cyclohexane

Concen: 4.136 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

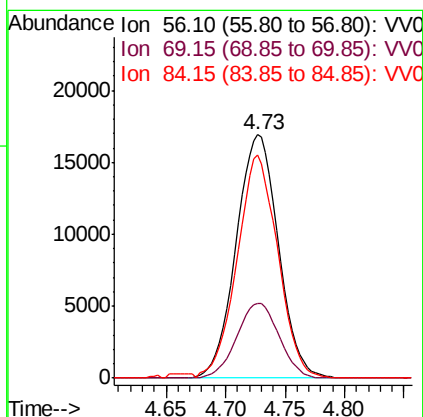
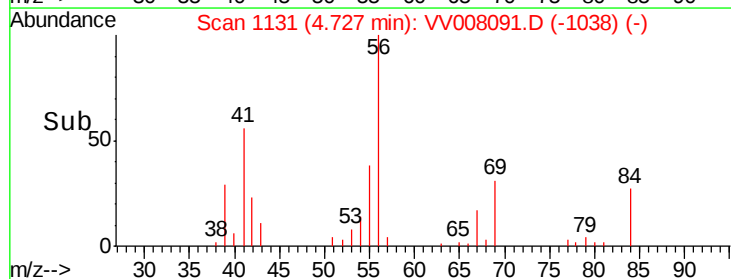
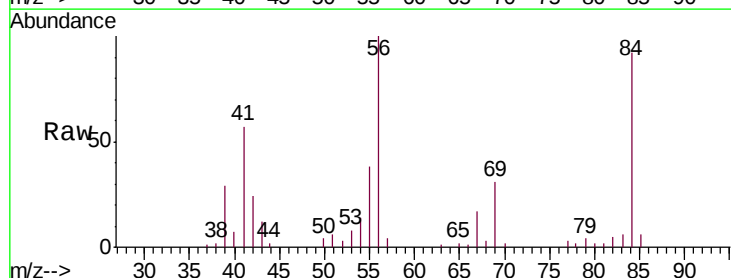
Tgt Ion: 56 Resp: 41579

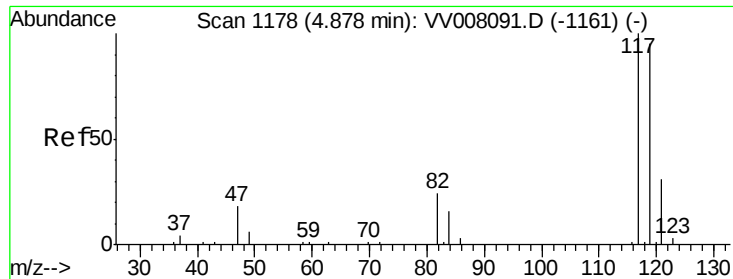
Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 88.4 70.7 106.1

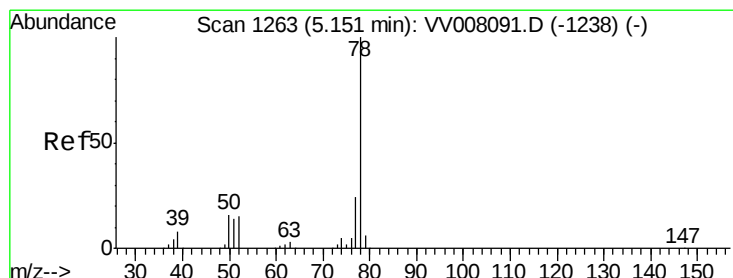
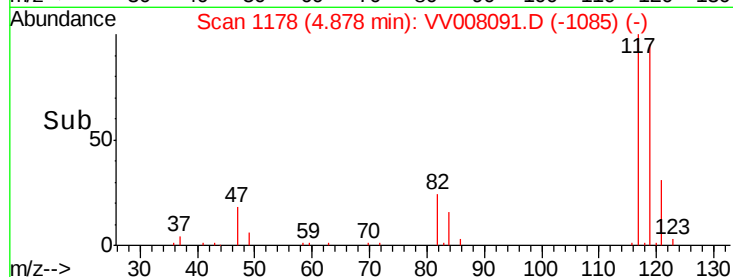
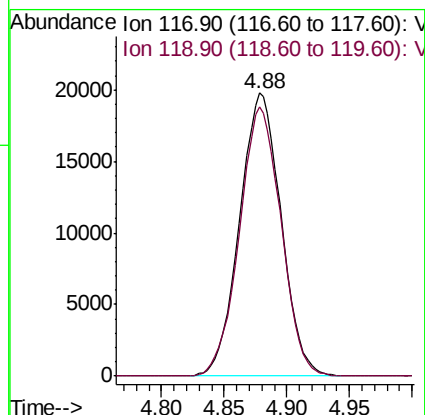
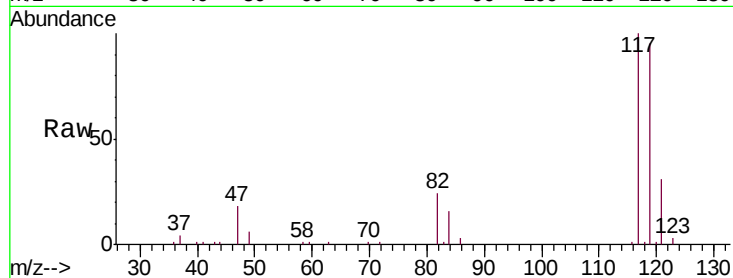




#31
Carbon tetrachloride
Concen: 4.704 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

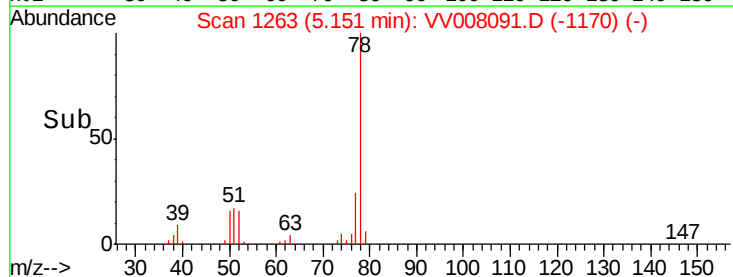
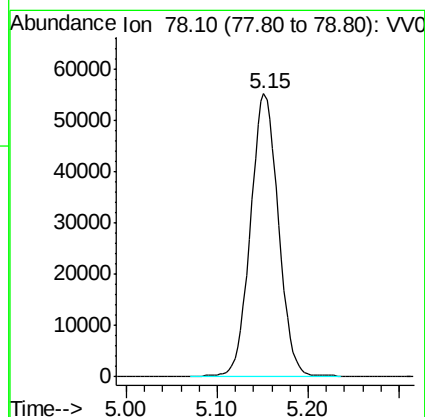
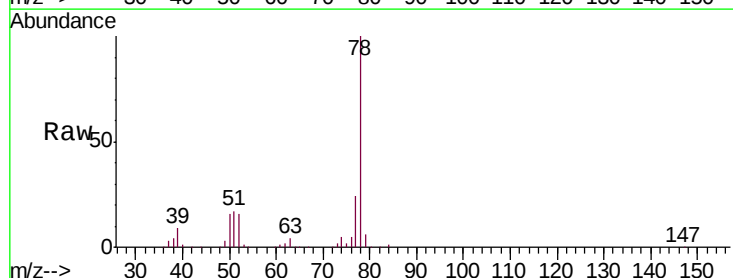
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

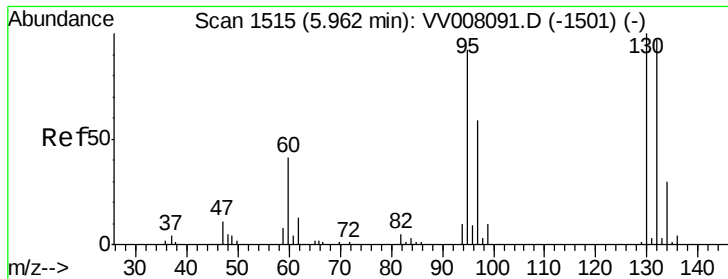
Tgt Ion:117 Resp: 45466
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



#33
Benzene
Concen: 4.553 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion: 78 Resp: 118037

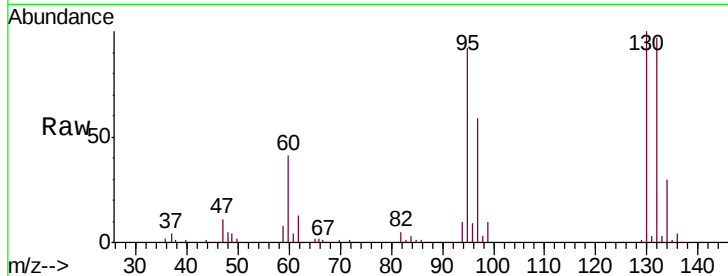




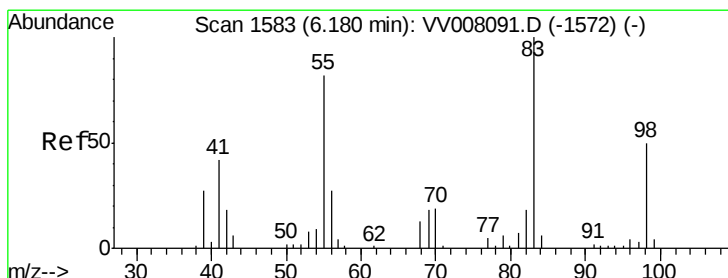
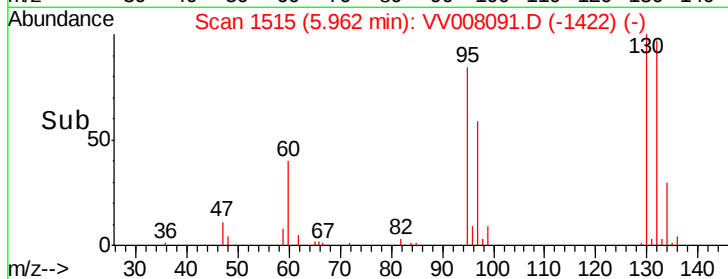
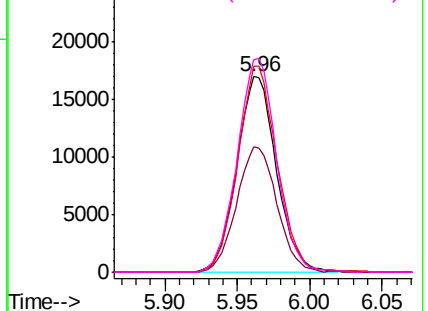
#34
 Trichloroethene
 Concen: 4.377 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

Tgt Ion: 95 Resp: 32382
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.9 83.5
 132 105.1 73.6 136.6
 130 108.9 76.2 141.6

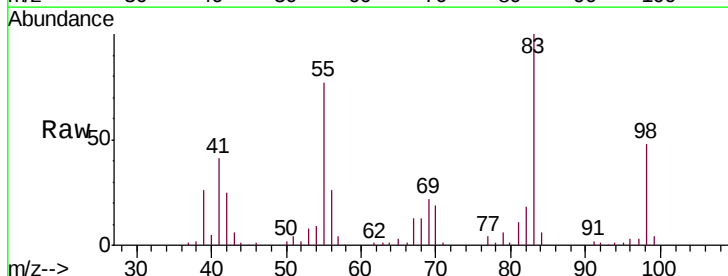


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

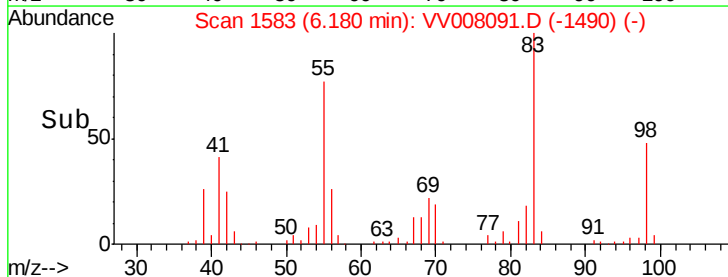
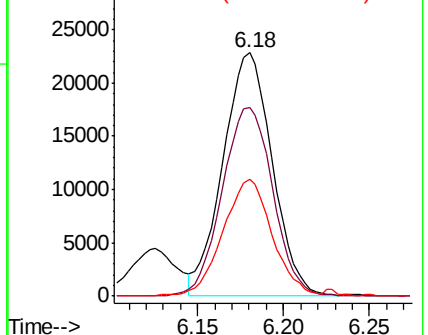


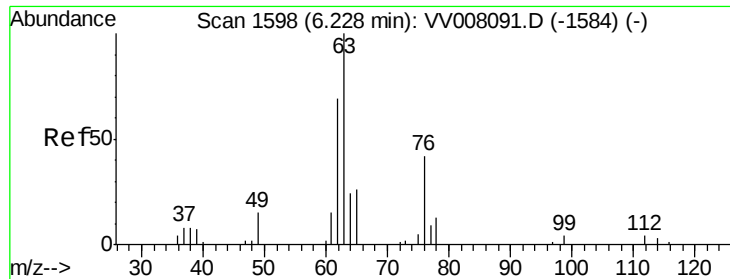
#35
 Methylcyclohexane
 Concen: 4.170 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Tgt Ion: 83 Resp: 45660
 Ion Ratio Lower Upper
 83 100
 55 79.5 63.6 95.4
 98 47.9 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

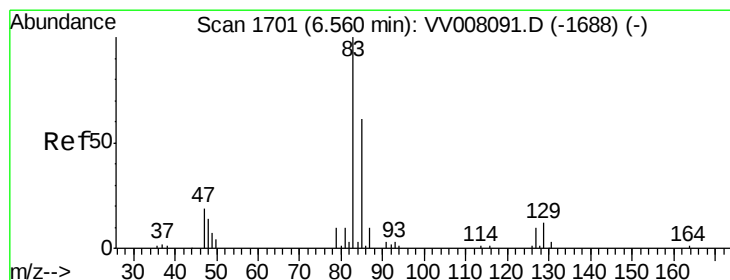
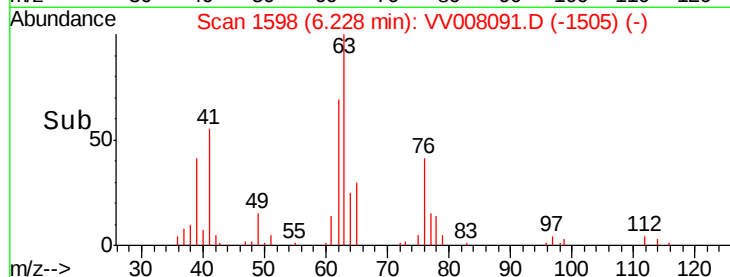
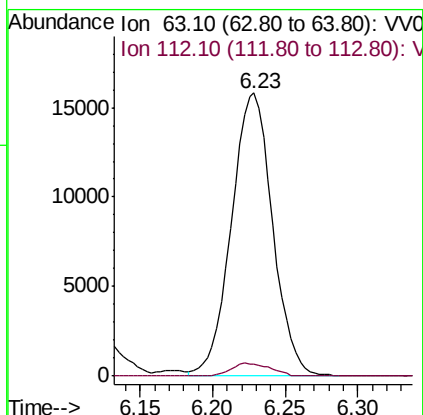
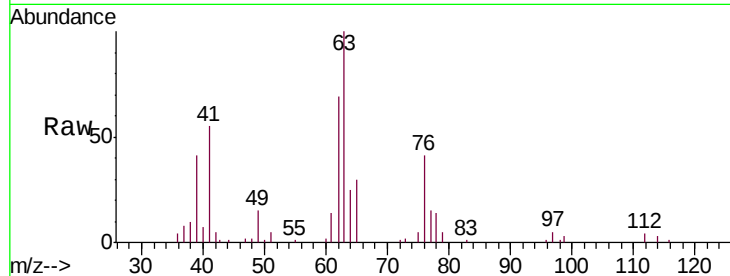




#37
 1,2-Dichloropropane
 Concen: 4.660 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

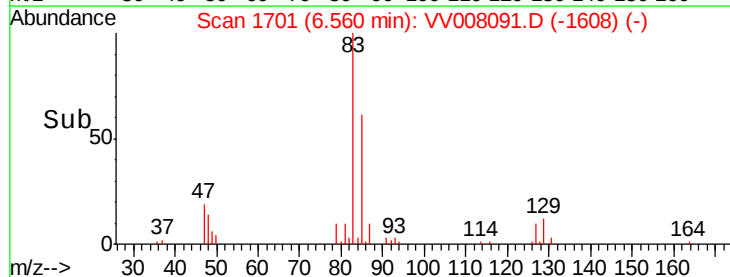
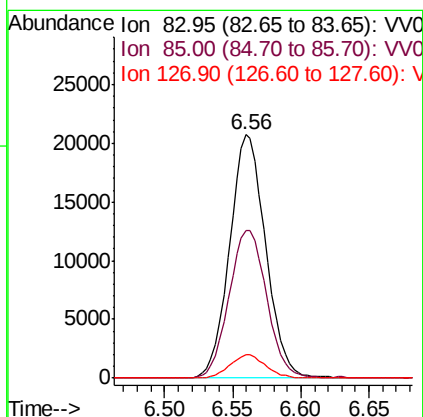
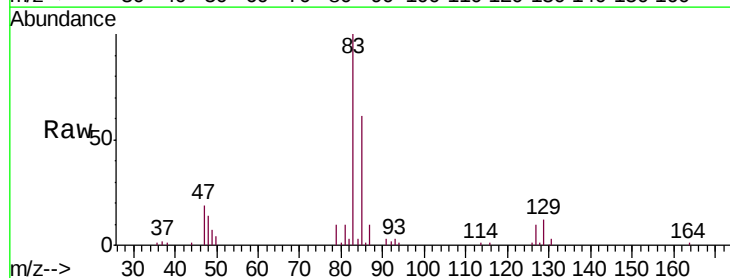
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

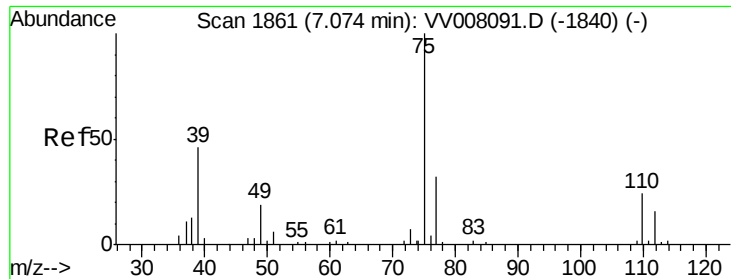
Tgt Ion: 63 Resp: 31182
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.747 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Tgt Ion: 83 Resp: 37996
 Ion Ratio Lower Upper
 83 100
 85 60.7 42.5 78.9
 127 9.6 7.7 11.5

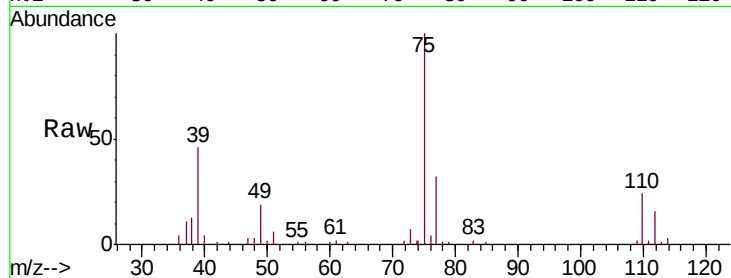




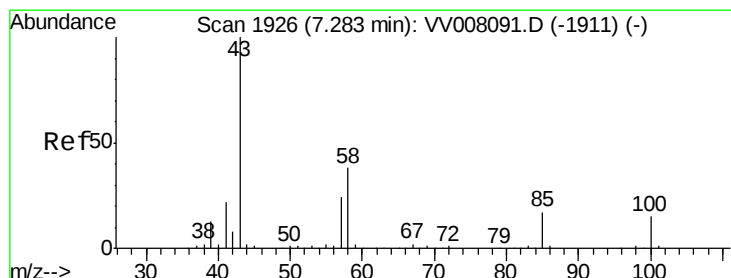
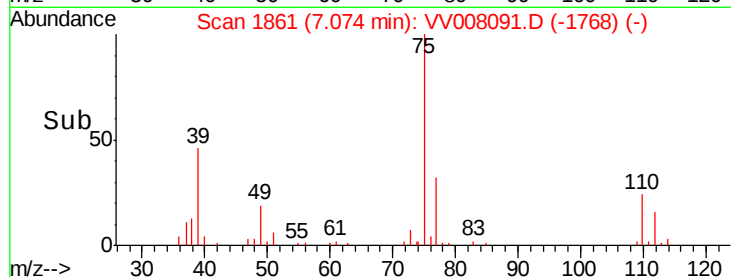
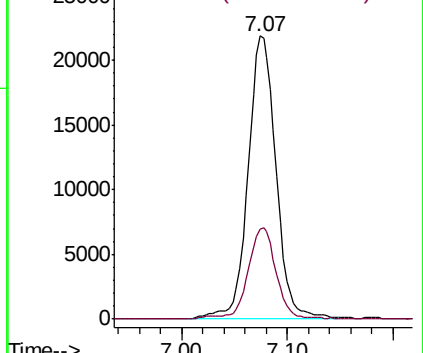
#39
 cis-1,3-Dichloropropene
 Concen: 4.553 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 75 Resp: 40516
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1

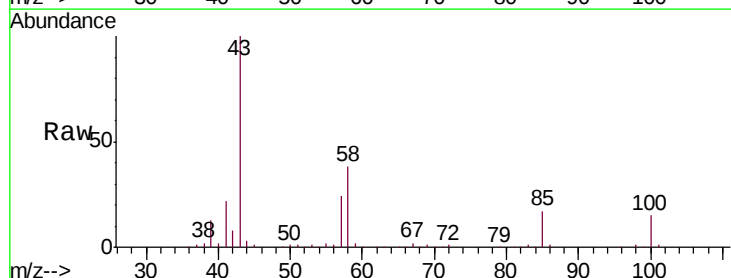


Abundance Ion 75.05 (74.75 to 75.75): VV008091.D (-1840) (-)
 Ion 77.05 (76.75 to 77.75): VV008091.D (-1840) (-)

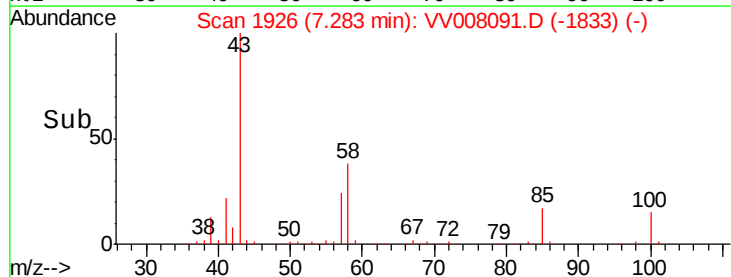
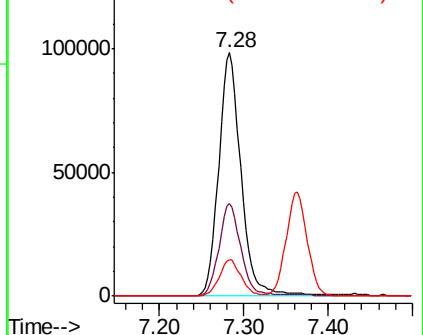


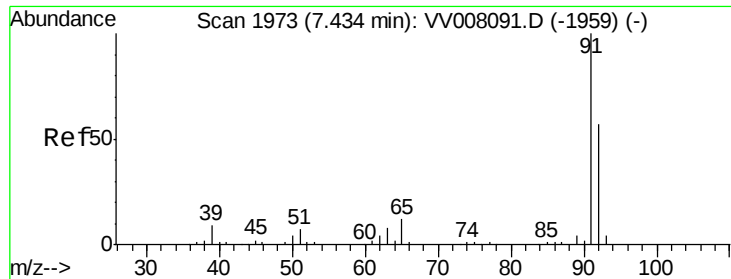
#40
 4-Methyl-2-pentanone
 Concen: 43.619 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Tgt Ion: 43 Resp: 181217
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8
 100 14.5 11.6 17.4



Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-1911) (-)
 Ion 58.05 (57.75 to 58.75): VV008091.D (-1911) (-)
 Ion 100.15 (99.85 to 100.85): VV008091.D (-1911) (-)





#42

Toluene

Concen: 4.562 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

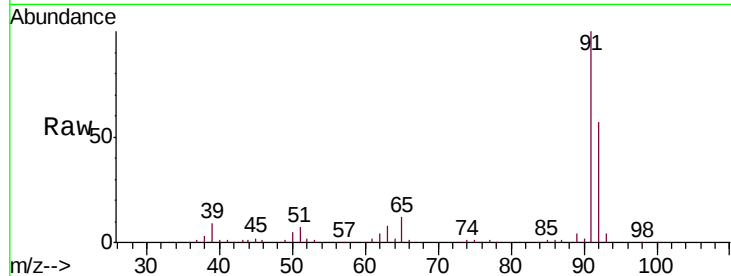
VSTD00571

Tgt Ion: 91 Resp: 128711

Ion Ratio Lower Upper

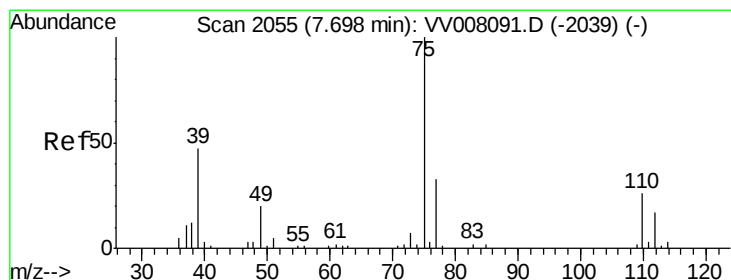
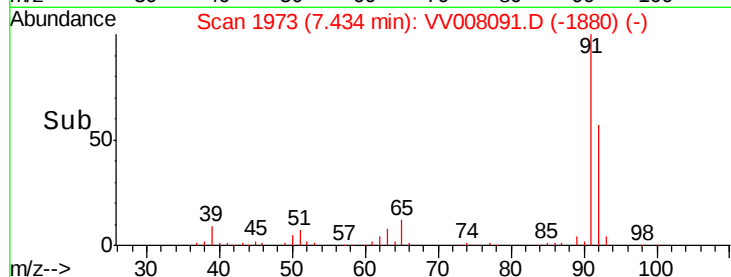
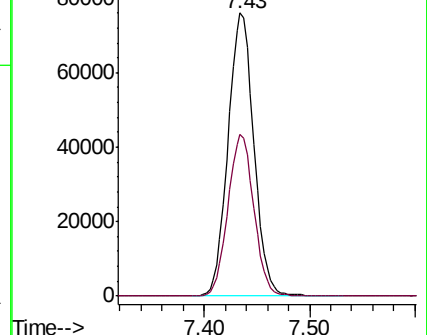
91 100

92 57.0 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: 4.531 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008091.D

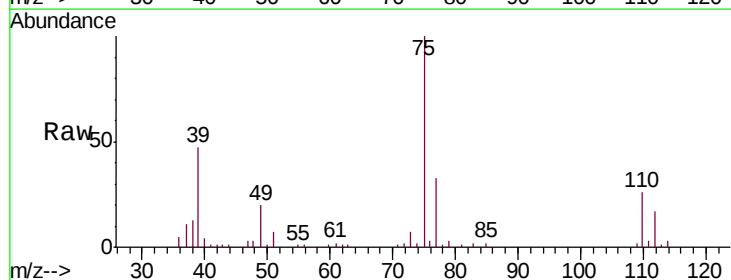
Acq: 05 Oct 2018 11:48

Tgt Ion: 75 Resp: 33385

Ion Ratio Lower Upper

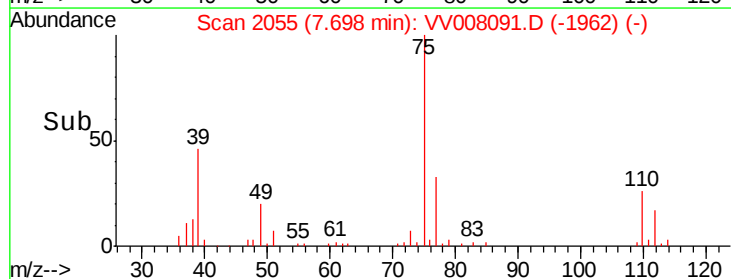
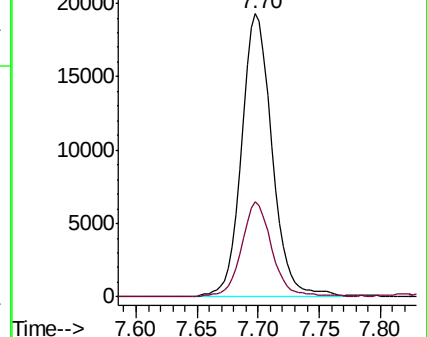
75 100

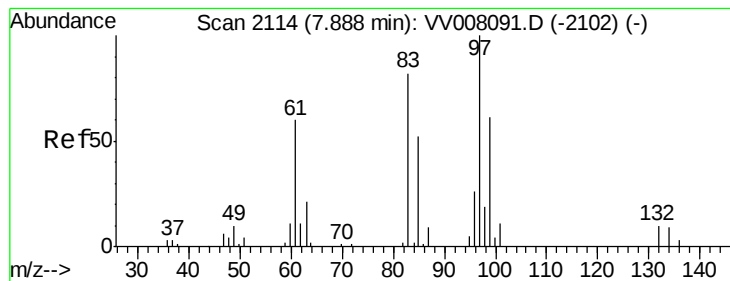
77 33.5 23.4 43.6



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: 4.646 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

Tgt Ion: 97 Resp: 22529

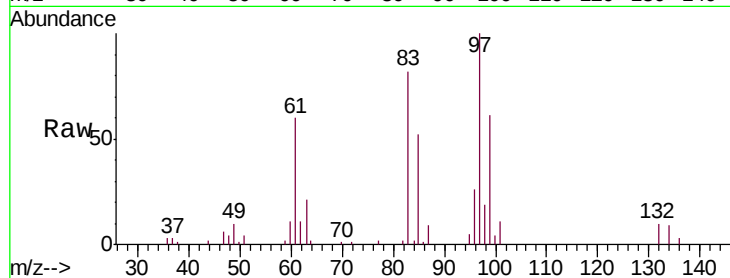
Ion Ratio Lower Upper

97 100

99 60.8 42.6 79.0

83 82.1 57.5 106.7

85 52.1 36.5 67.7

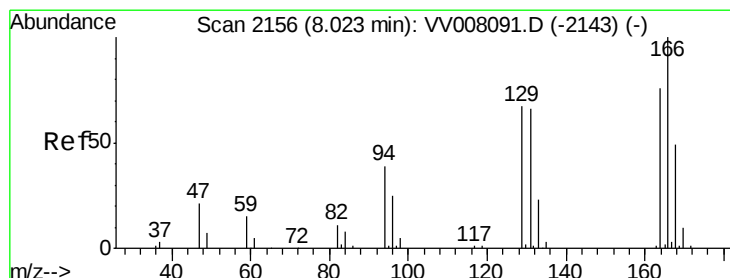
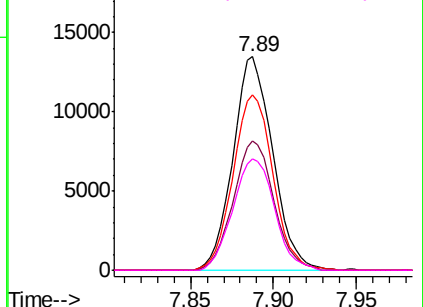
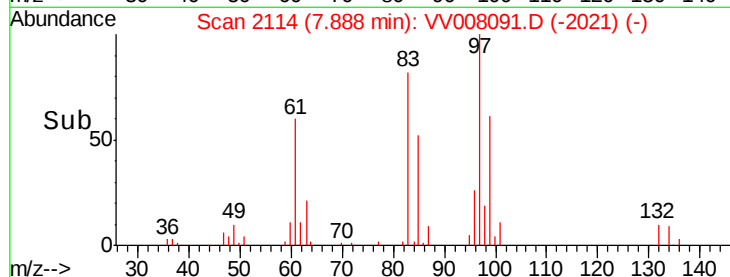


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.358 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Tgt Ion: 164 Resp: 29803

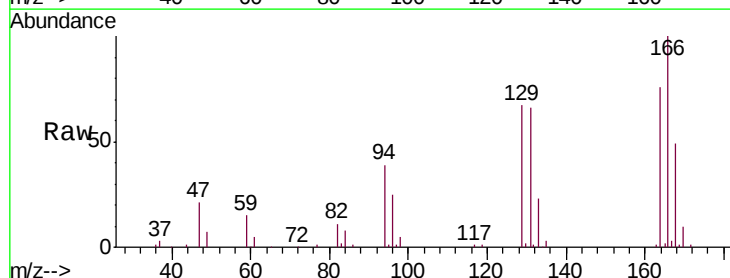
Ion Ratio Lower Upper

164 100

129 88.8 62.2 115.4

131 86.5 60.5 112.5

166 131.6 92.1 171.1

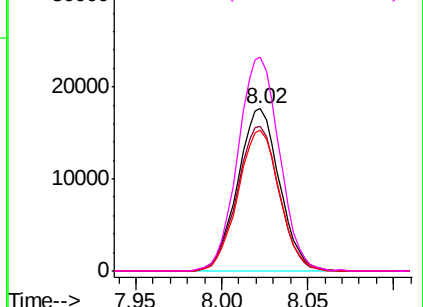
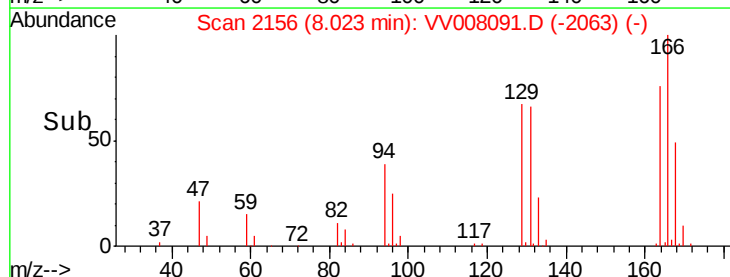


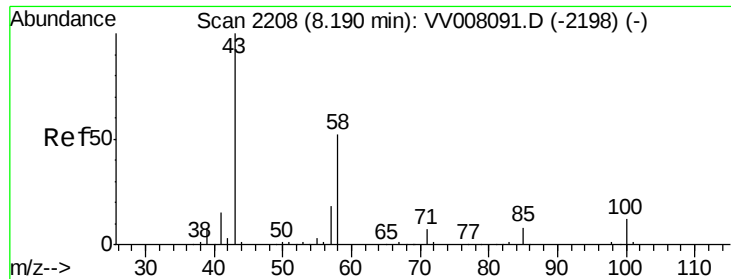
Abundance Ion 163.90 (163.60 to 164.60): V

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

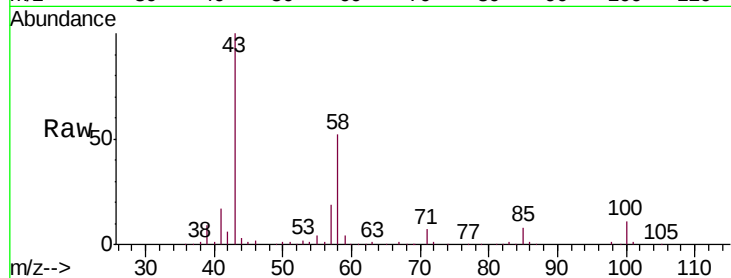




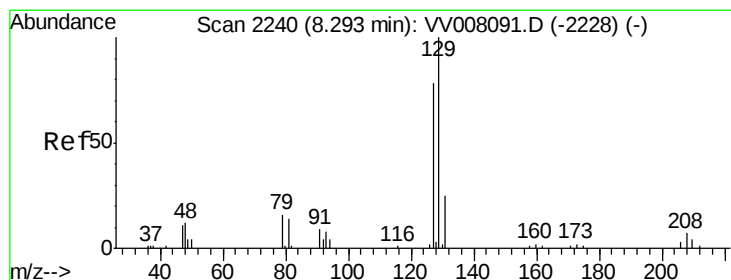
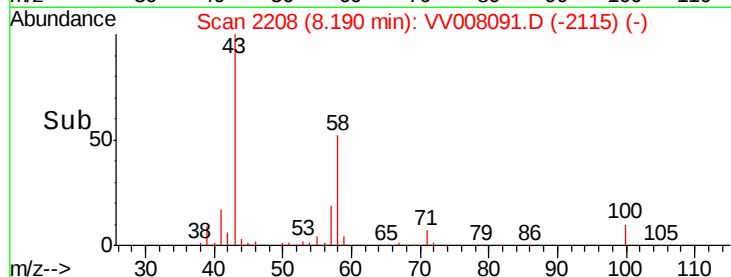
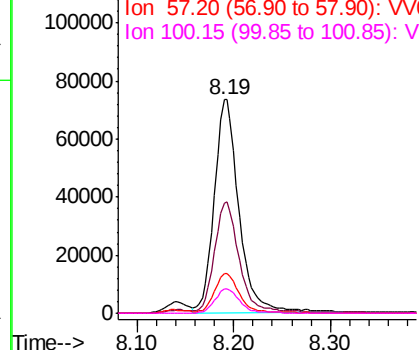
#48
2-Hexanone
Concen: 44.934 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 43 Resp: 129806
Ion Ratio Lower Upper
43 100
58 50.6 40.5 60.7
57 18.3 14.6 22.0
100 11.6 9.3 13.9

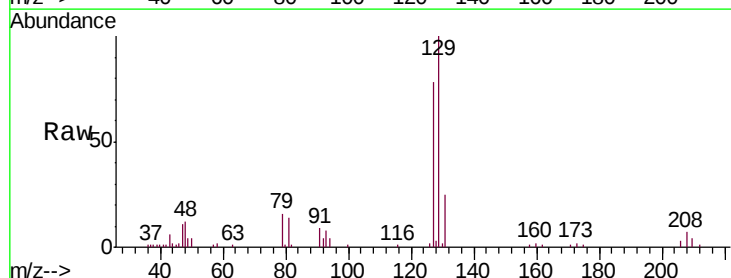


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

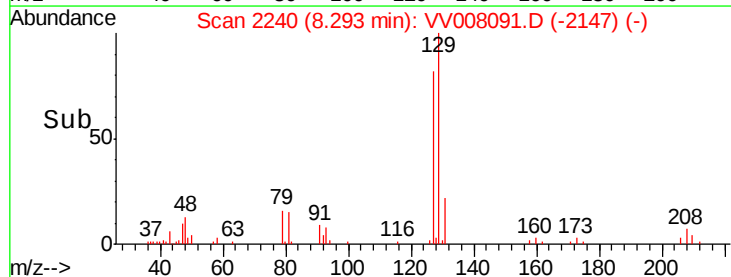
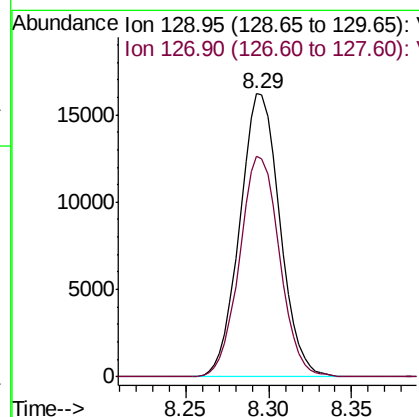


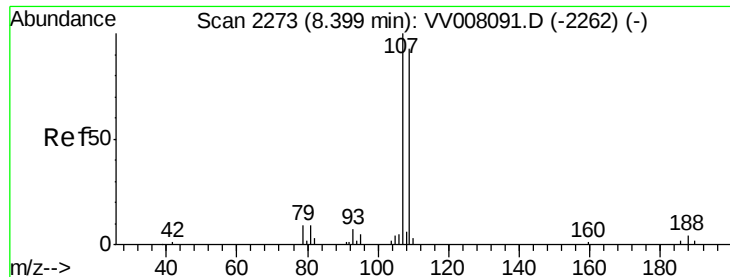
#49
Dibromochloromethane
Concen: 4.904 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion: 129 Resp: 27292
Ion Ratio Lower Upper
129 100
127 77.9 54.5 101.3



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

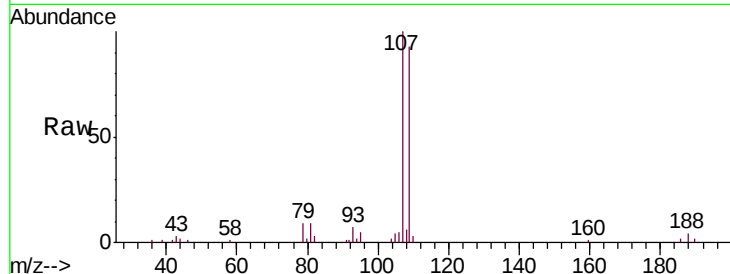




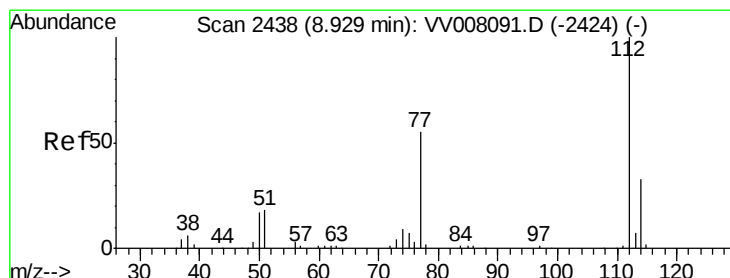
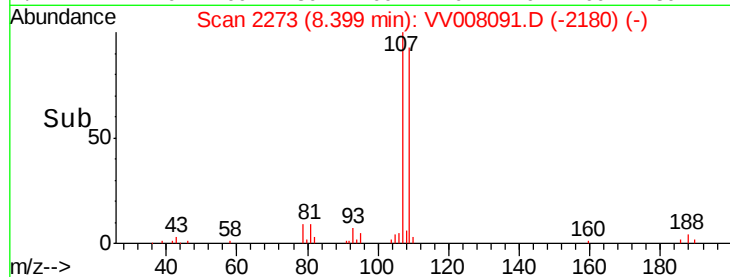
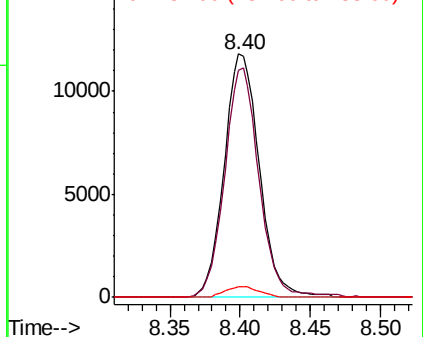
#50
 1,2-Dibromoethane
 Concen: 4.696 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:107 Resp: 20610
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.5 121.6
 188 4.4 3.5 5.3

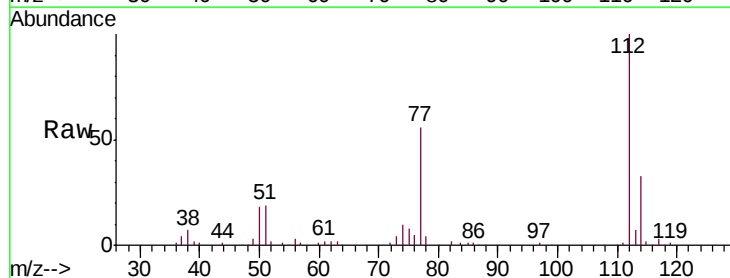


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

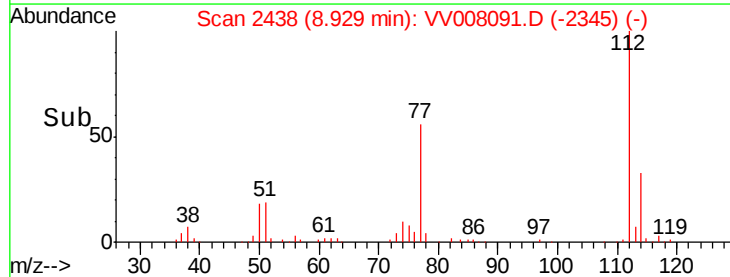
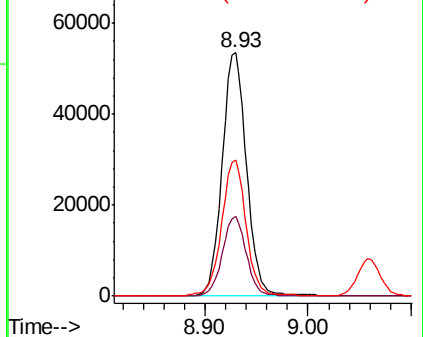


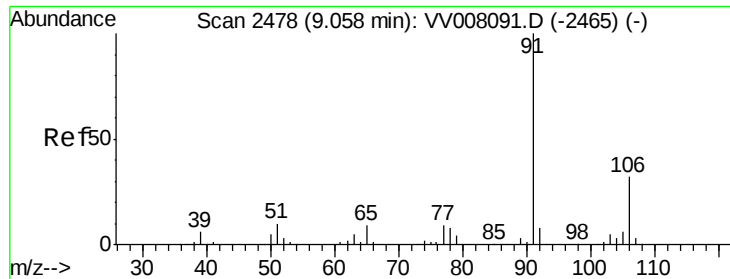
#51
 Chlorobenzene
 Concen: 4.509 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Tgt Ion:112 Resp: 88086
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.8 42.4
 77 55.7 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.436 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

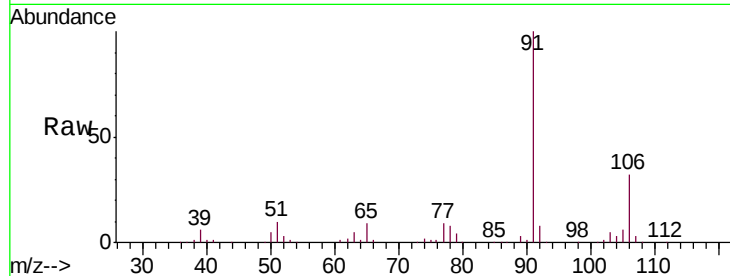
VSTD00571

Tgt Ion: 91 Resp: 138834

Ion Ratio Lower Upper

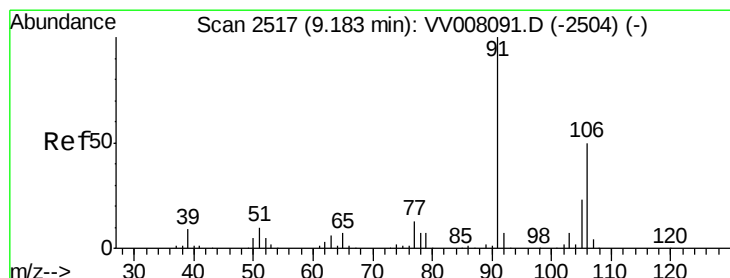
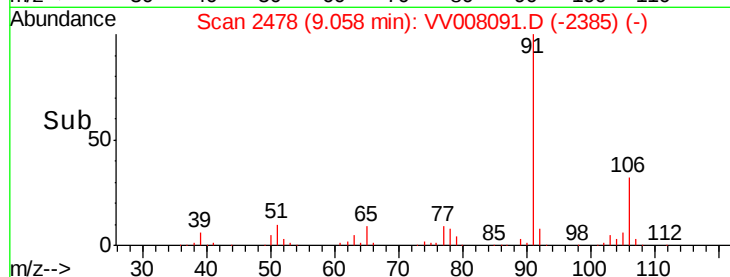
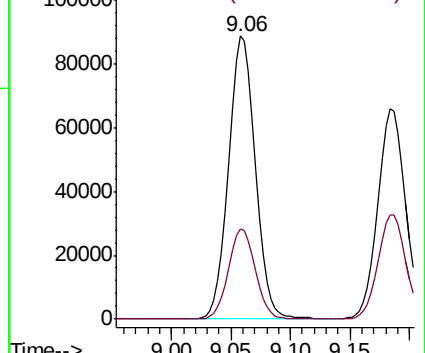
91 100

106 31.9 22.3 41.5



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

Ion 106.15 (105.85 to 106.85): VV008091.D (-2385) (-)



#53

m,p-xylene

Concen: 4.479 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008091.D

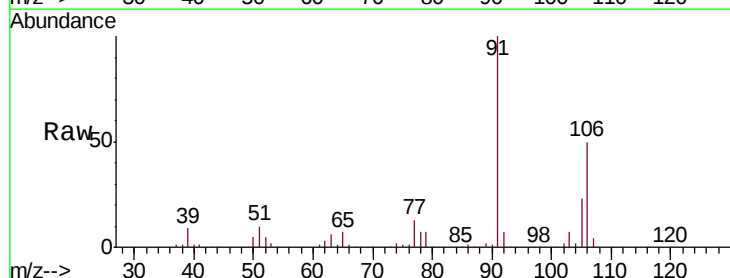
Acq: 05 Oct 2018 11:48

Tgt Ion: 106 Resp: 53565

Ion Ratio Lower Upper

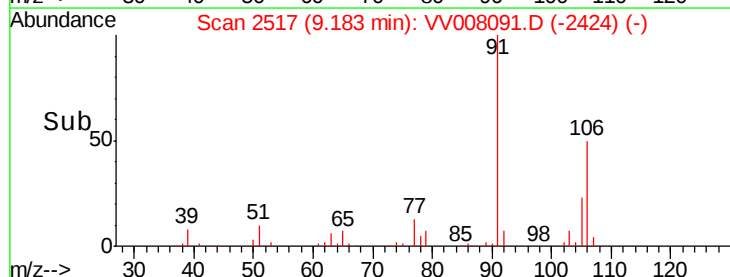
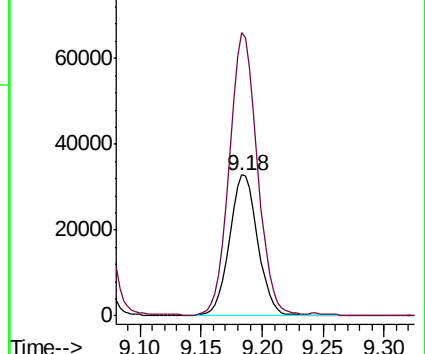
106 100

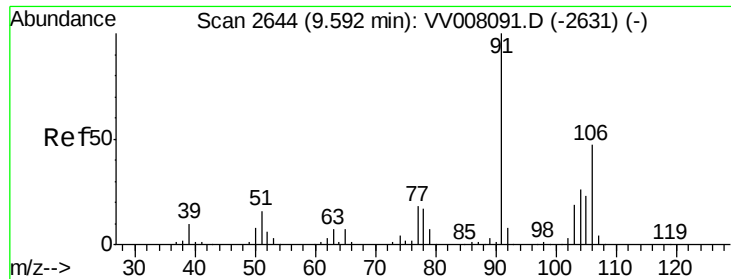
91 201.1 140.8 261.4



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

Ion 91.15 (90.85 to 91.85): VV008091.D (-2424) (-)

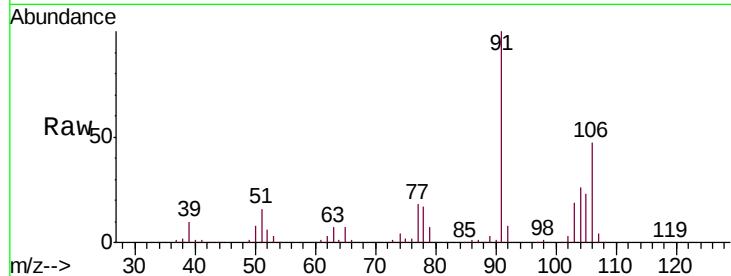




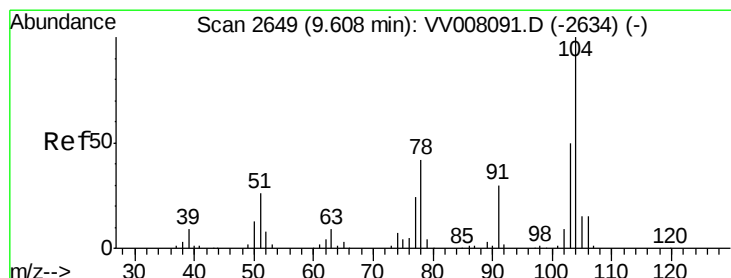
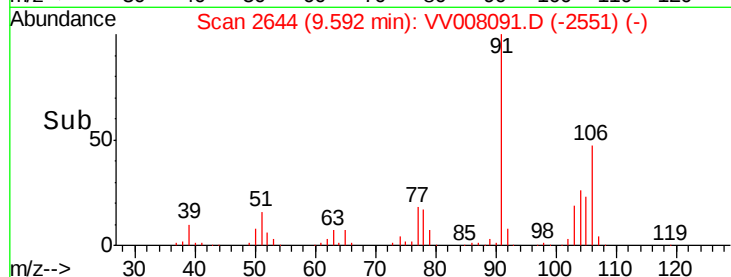
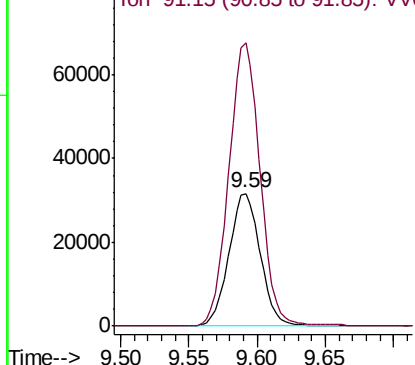
#54
o-xylene
Concen: 4.396 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:106 Resp: 50568
Ion Ratio Lower Upper
106 100
91 213.0 149.1 276.9

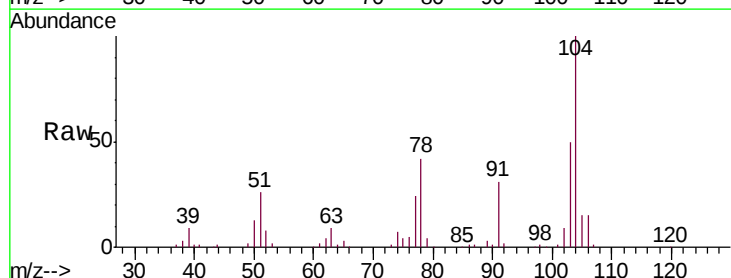


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

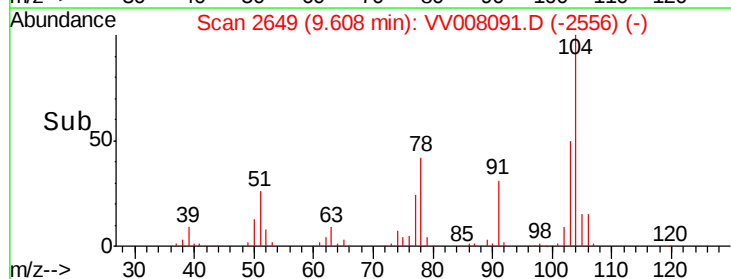
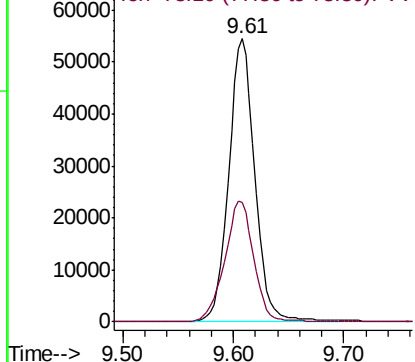


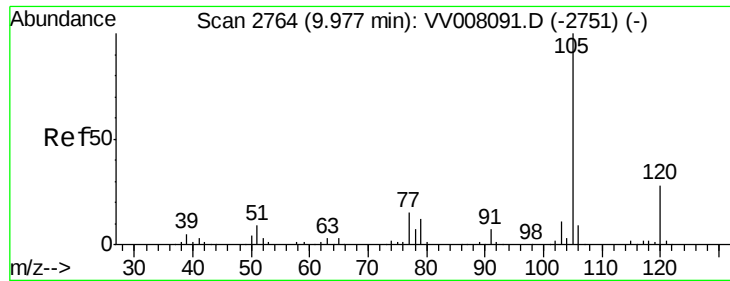
#55
Styrene
Concen: 4.536 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008091.D
Acq: 05 Oct 2018 11:48

Tgt Ion:104 Resp: 89340
Ion Ratio Lower Upper
104 100
78 42.2 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: 4.479 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

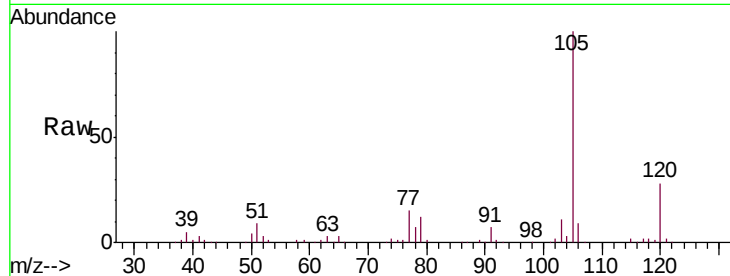
Tgt Ion: 105 Resp: 139562

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

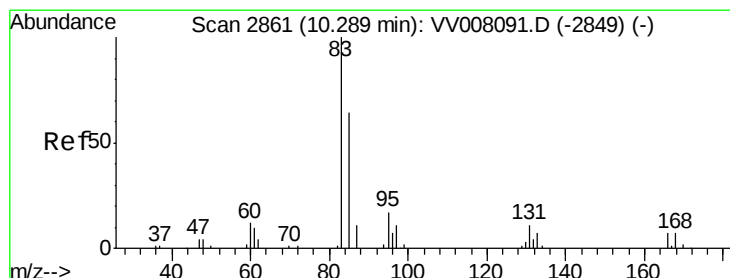
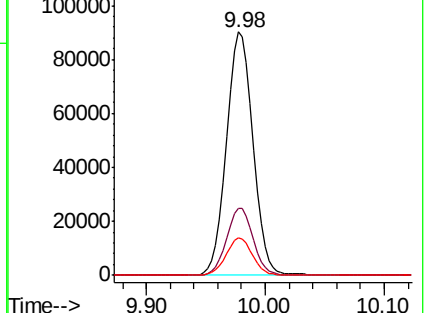
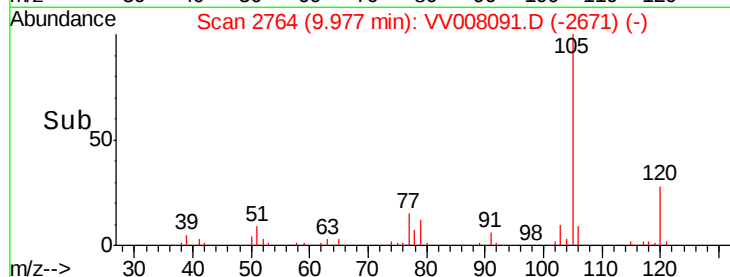
77 15.3 12.2 18.4



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: 4.579 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

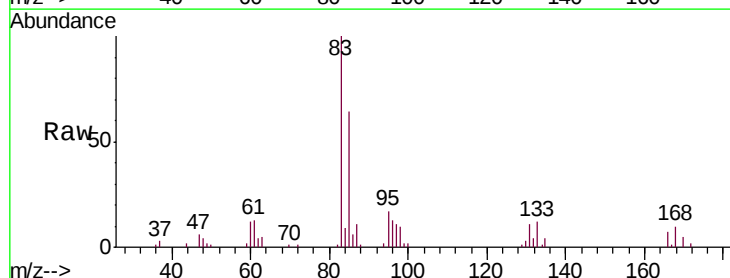
Tgt Ion: 83 Resp: 25890

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

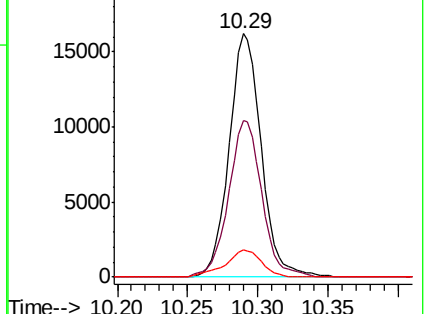
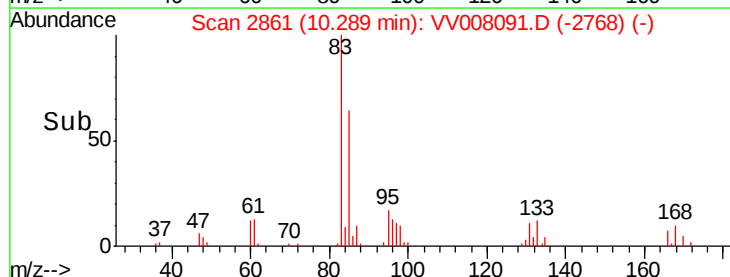
131 11.0 8.8 13.2

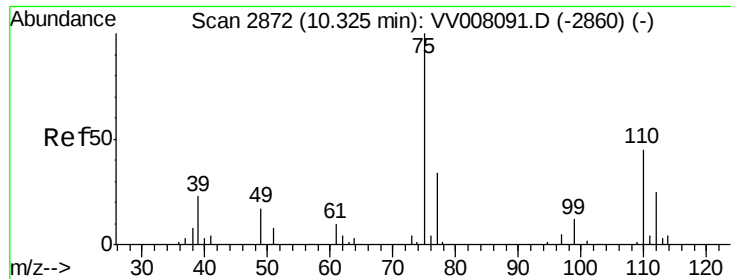


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.504 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

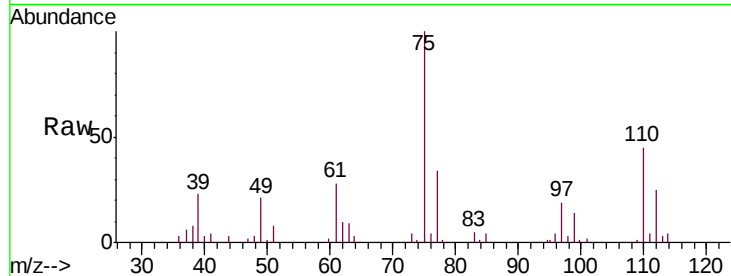
VSTD00571

Tgt Ion: 75 Resp: 18624

Ion Ratio Lower Upper

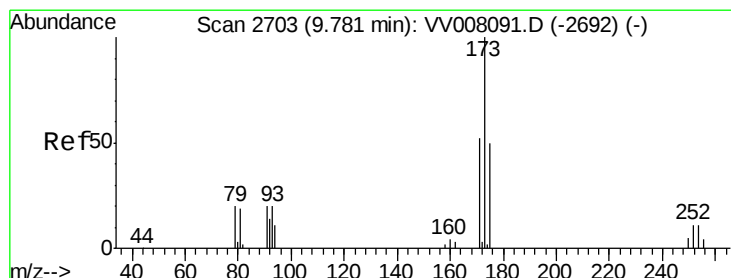
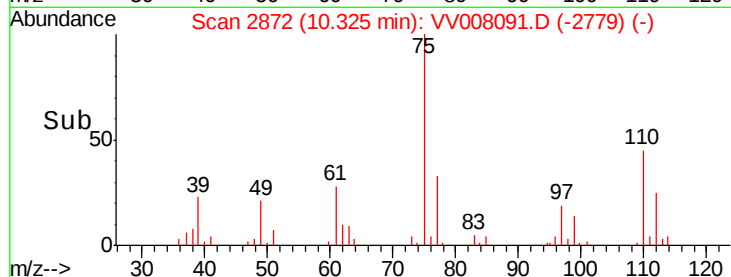
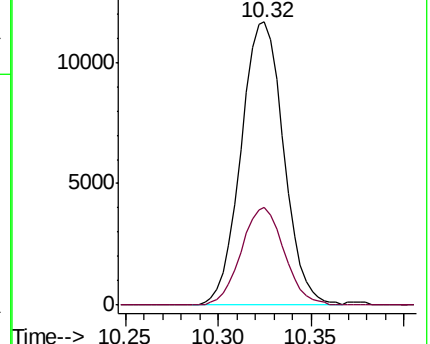
75 100

77 34.7 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV008091.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV008091.D (-2860) (-)



#61

Bromoform

Concen: 5.117 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

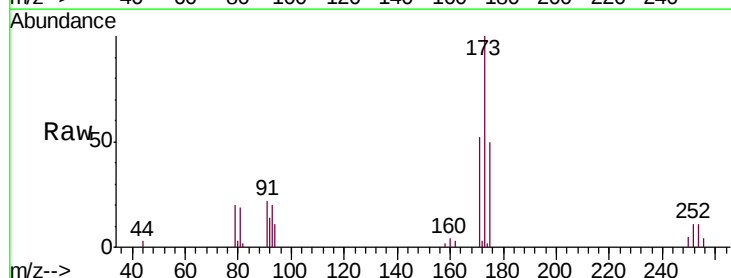
Tgt Ion: 173 Resp: 15262

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

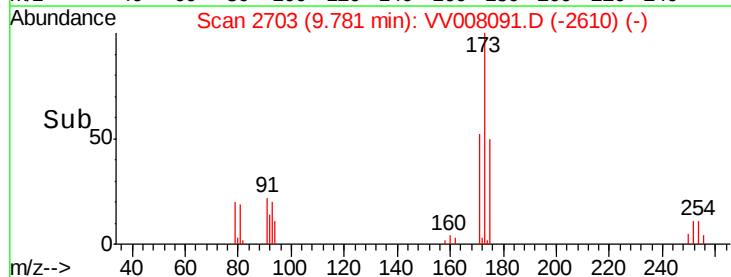
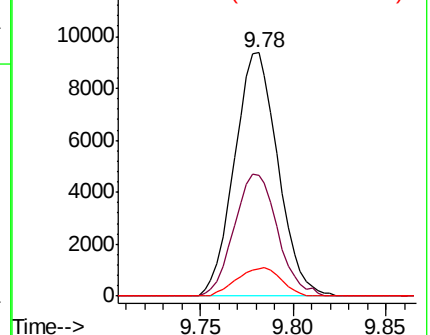
254 11.7 9.4 14.0

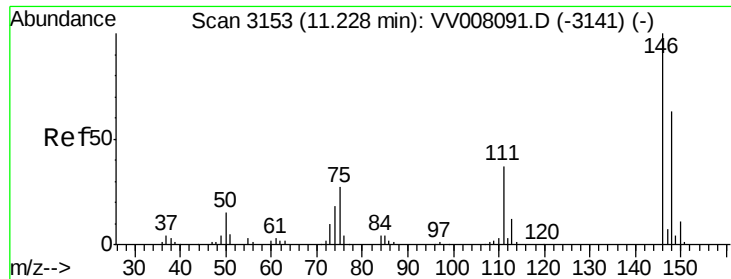


Abundance Ion 172.90 (172.60 to 173.60): VV008091.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VV008091.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VV008091.D (-2692) (-)





#62

1,3-Dichlorobenzene

Concen: 4.530 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

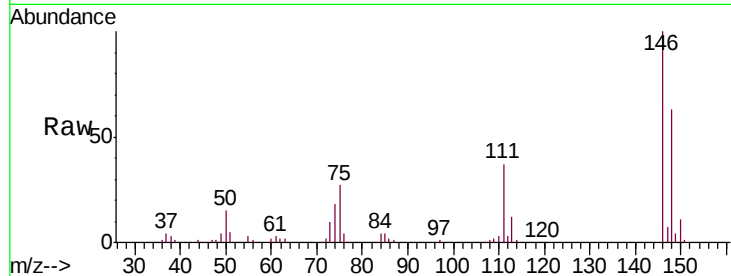
Tgt Ion:146 Resp: 71505

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

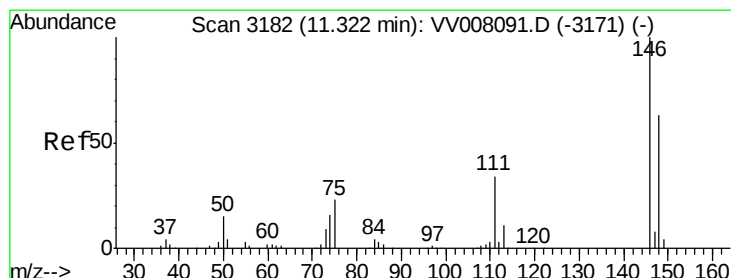
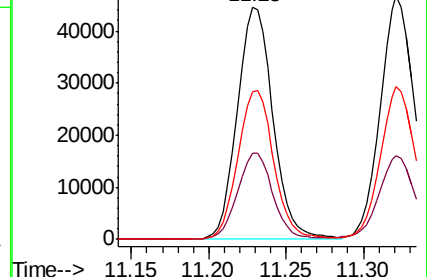
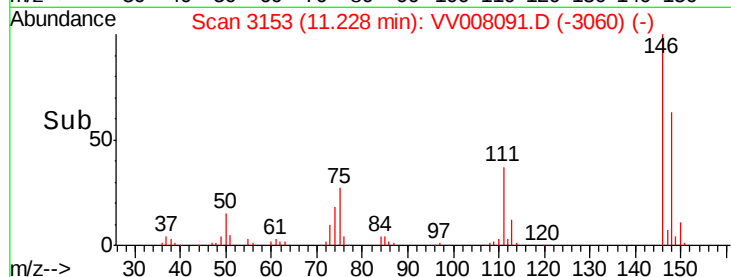
148 63.4 44.4 82.4



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: 4.496 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

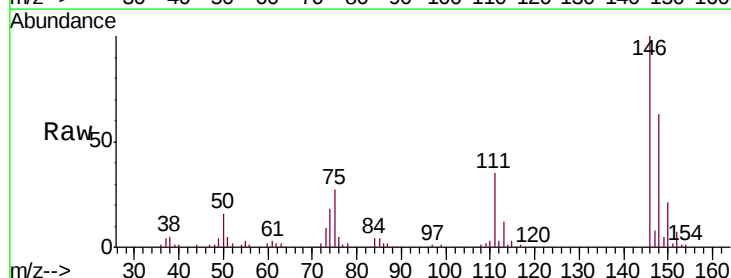
Tgt Ion:146 Resp: 73917

Ion Ratio Lower Upper

146 100

111 34.6 24.2 45.0

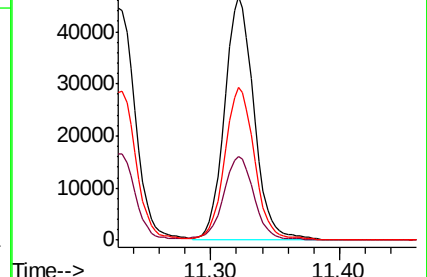
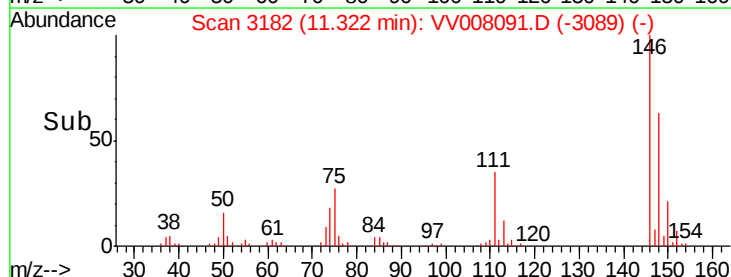
148 62.8 44.0 81.6

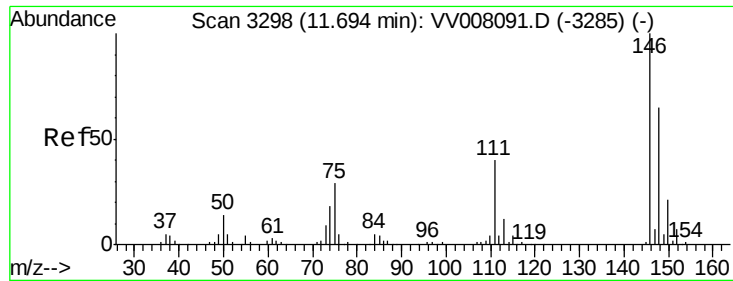


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.621 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

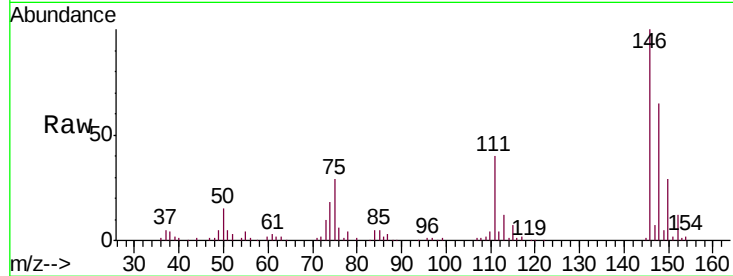
Tgt Ion:146 Resp: 69113

Ion Ratio Lower Upper

146 100

111 39.7 31.8 47.6

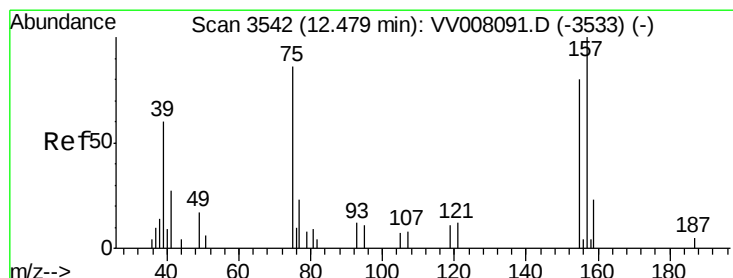
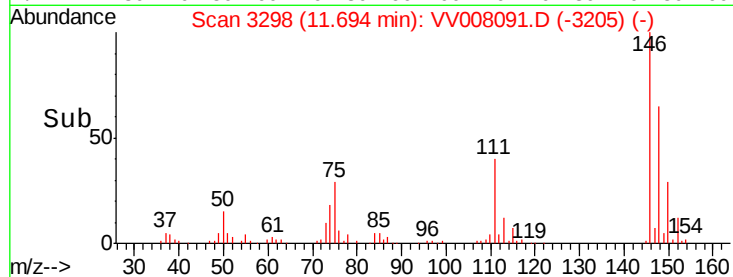
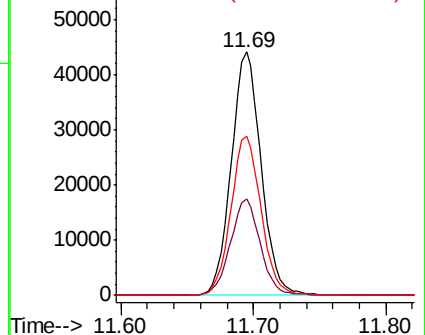
148 65.2 52.2 78.2



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: 4.861 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

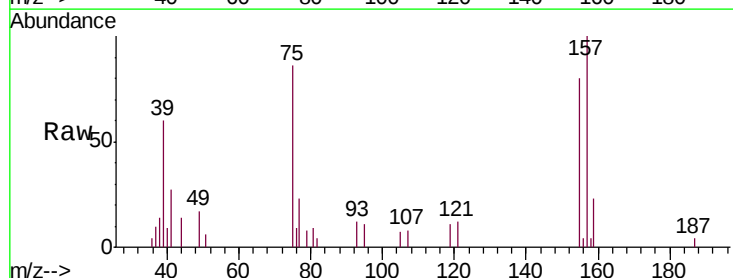
Tgt Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

155 93.4 74.7 112.1

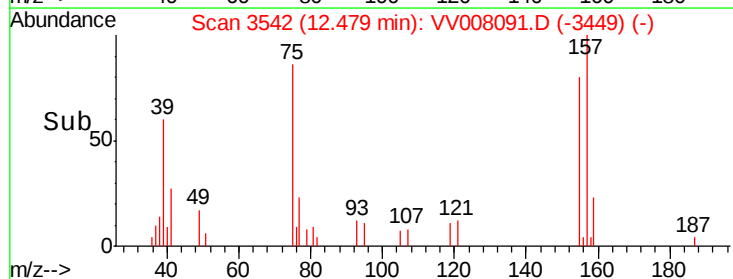
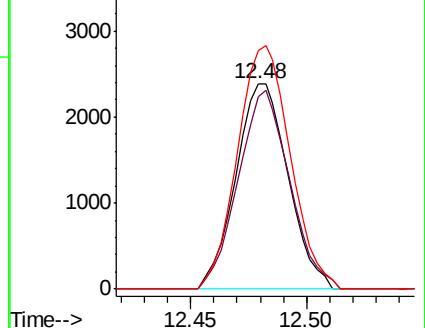
157 116.4 93.1 139.7

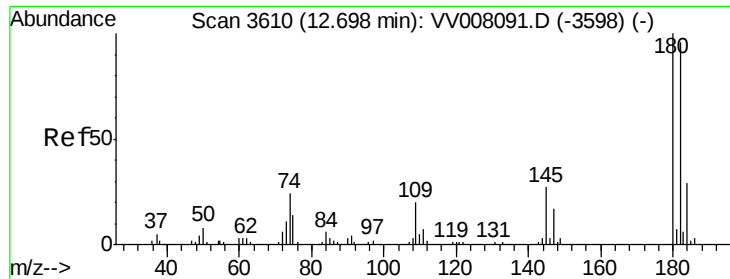


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

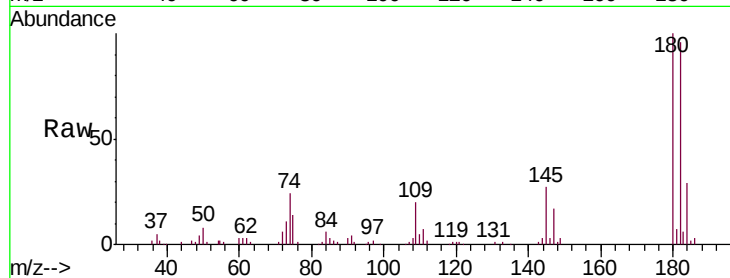




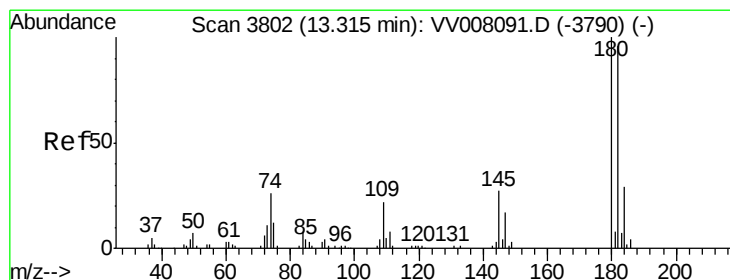
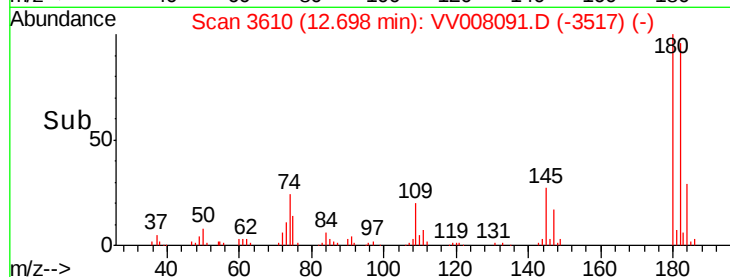
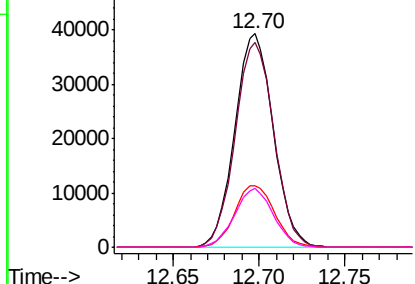
#67
 1,3,5-Trichlorobenzene
 Concen: 4.544 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:180 Resp: 61513
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 184 30.2 24.2 36.2
 145 27.7 22.2 33.2

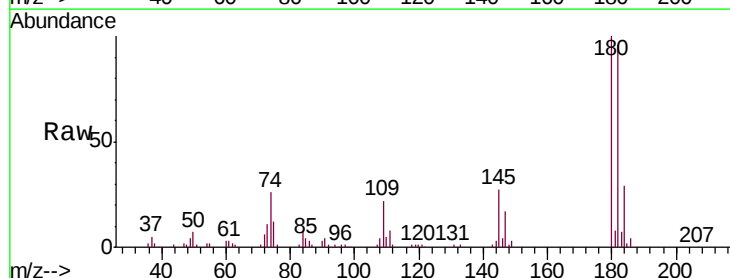


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

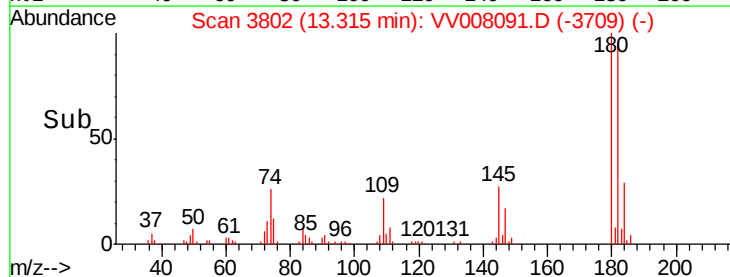
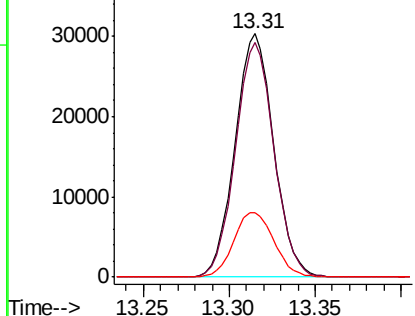


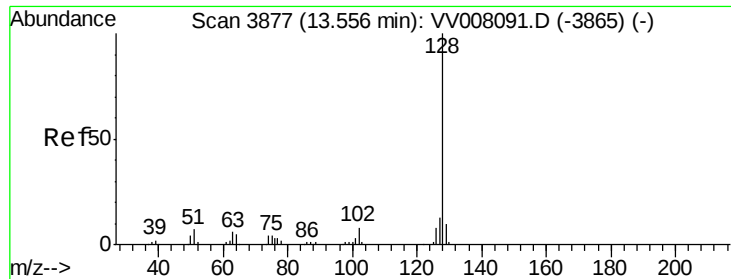
#68
 1,2,4-trichlorobenzene
 Concen: 4.196 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008091.D
 Acq: 05 Oct 2018 11:48

Tgt Ion:180 Resp: 47486
 Ion Ratio Lower Upper
 180 100
 182 95.7 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: 3.820 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

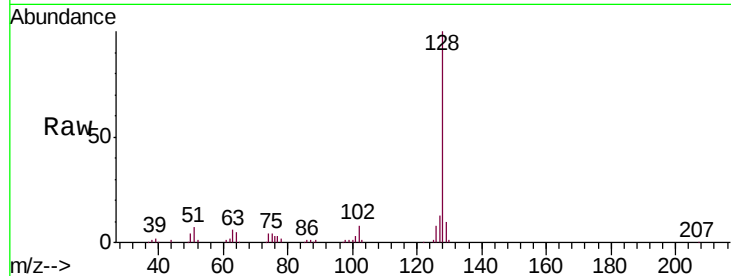
Tgt Ion:128 Resp: 59091

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

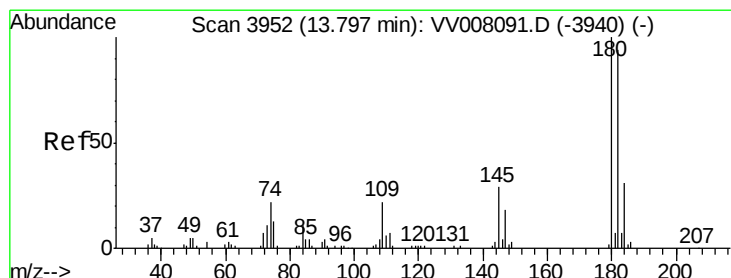
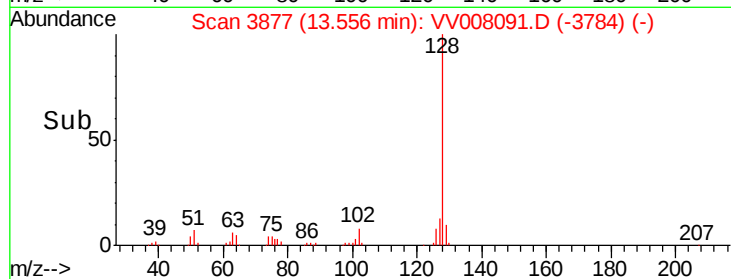
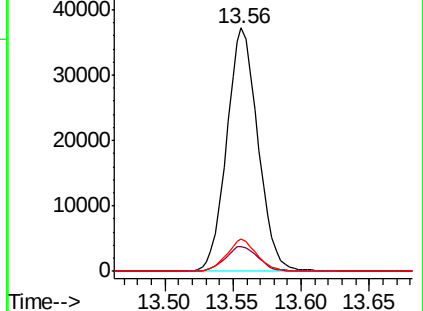
127 12.7 10.2 15.2



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: 4.390 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008091.D

Acq: 05 Oct 2018 11:48

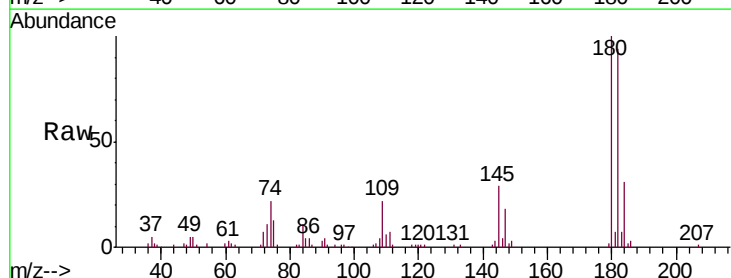
Tgt Ion:180 Resp: 45051

Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

145 29.0 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

