

Data File : VV008906.D
Acq On : 13 Dec 2018 13:12
Operator : SY/MD
Sample : VSTD10073
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

Quant Time: Dec 14 00:25:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 00:21:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	219990	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	206144	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105051	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123506	81.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	95240	112.84	ug/L	0.03
11) 1,1-Dichloroethene-d2	2.14	63	304784	115.81	ug/L	0.01
21) 2-Butanone-d5	3.93	46	178288	150.66	ug/L	0.00
24) Chloroform-d	4.41	84	283458	92.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	180514	91.83	ug/L	0.00
32) Benzene-d6	5.10	84	563118	90.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	165555	85.31	ug/L	0.00
41) Toluene-d8	7.36	98	538537	95.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	91153	101.87	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	140837	165.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	222708	84.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	213226	93.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	150575	86.743	ug/L	99
3) Chloromethane	1.26	50	123498	74.465	ug/L	98
5) Vinyl chloride	1.33	62	130593	80.398	ug/L	100
6) Bromomethane	1.53	94	88429	148.551	ug/L	99
8) Chloroethane	1.60	64	77239	97.824	ug/L	98
9) Trichlorofluoromethane	1.77	101	246455	110.422	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	150598	116.328	ug/L	100
12) 1,1-Dichloroethene	2.15	96	133793	115.098	ug/L	98
13) Acetone	2.19	43	236433	190.258	ug/L	97
14) Carbon disulfide	2.32	76	359148	84.155	ug/L	100
15) Methyl Acetate	2.46	43	134139	72.014	ug/L	98
16) Methylene chloride	2.54	84	145759	85.981	ug/L	99
17) trans-1,2-Dichloroethene	2.80	96	136480	89.488	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	437733	86.703	ug/L	99
19) 1,1-Dichloroethane	3.24	63	242544	84.139	ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	154480	88.077	ug/L	100
22) 2-Butanone	4.02	43	218033	145.552	ug/L	99
23) Bromochloromethane	4.31	128	83200	96.768	ug/L	98
25) Chloroform	4.43	83	268823	88.038	ug/L	99
27) 1,2-Dichloroethane	5.18	62	208819	88.669	ug/L	99
29) Cyclohexane	4.73	56	215933	80.780	ug/L	95
30) 1,1,1-Trichloroethane	4.67	97	246955	96.768	ug/L	99
31) Carbon tetrachloride	4.88	117	226471	105.160	ug/L	99
33) Benzene	5.15	78	555393	85.615	ug/L	100
34) Trichloroethene	5.96	95	157797	91.033	ug/L	100
35) Methylcyclohexane	6.18	83	247958	87.663	ug/L	99
37) 1,2-Dichloropropane	6.23	63	141695	81.394	ug/L	100
38) Bromodichloromethane	6.56	83	203932	95.724	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	243324	96.901	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	348450	147.163	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	606956	89.777	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	228468	99.239	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	147562	91.136	ug/L	98
46) Tetrachloroethene	8.02	164	129993	101.627	ug/L	99
48) 2-Hexanone	8.18	43	299957	159.734	ug/L	95
49) Dibromochloromethane	8.29	129	178543	107.829	ug/L	100
50) 1,2-Dibromoethane	8.40	107	159510	93.920	ug/L	98
51) Chlorobenzene	8.93	112	414320	95.137	ug/L	99
52) Ethylbenzene	9.06	91	690500	93.069	ug/L	100
53) m,p-Xylene	9.18	106	269810	98.424	ug/L	100
54) o-xylene	9.59	106	259377	94.932	ug/L	96
55) Styrene	9.61	104	441801	97.176	ug/L	100
56) Isopropylbenzene	9.98	105	697178	97.013	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	218888	81.638	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	179663	81.897	ug/L	99
61) Bromoform	9.78	173	131759	109.947	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	328535	93.442	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	331216	92.667	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	331823	91.309	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	48723	85.466	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	241092	99.723	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	195598	109.262	ug/L	100
69) Naphthalene	13.55	128	467228	95.361	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	193777	105.176	ug/L	100

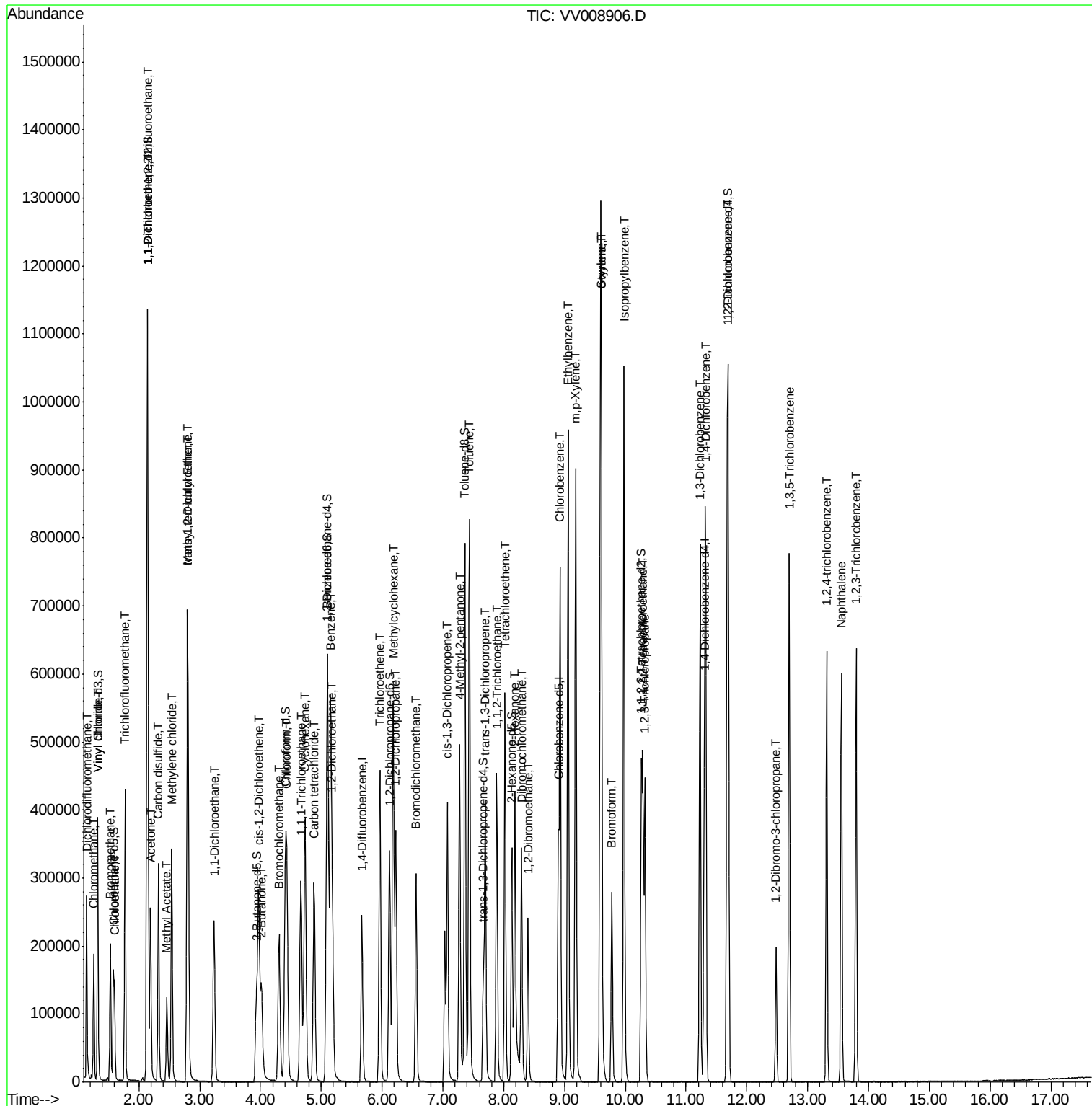
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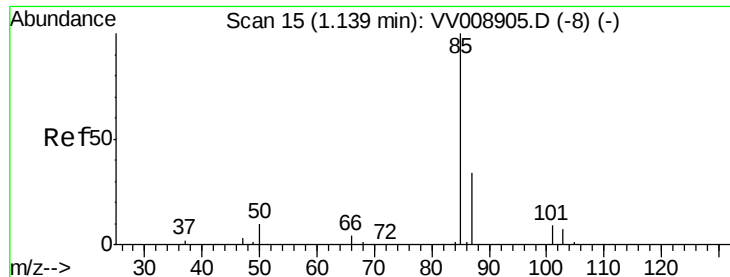
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#2

Dichlorodifluoromethane

Concen: 86.743 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

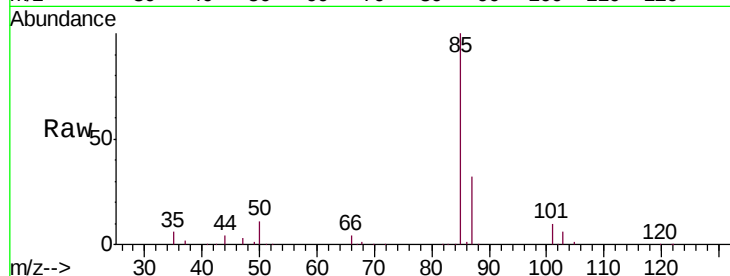
VSTD10073

Tgt Ion: 85 Resp: 150575

Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV008906.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV008906.D (-1) (-)

1.14

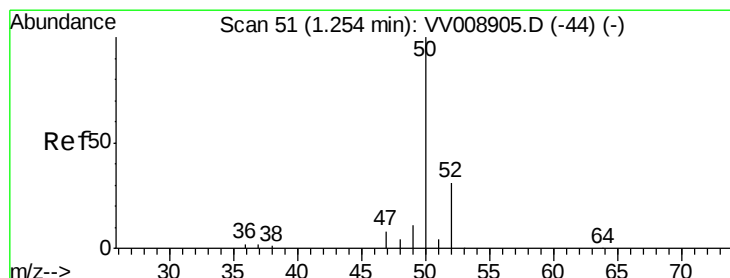
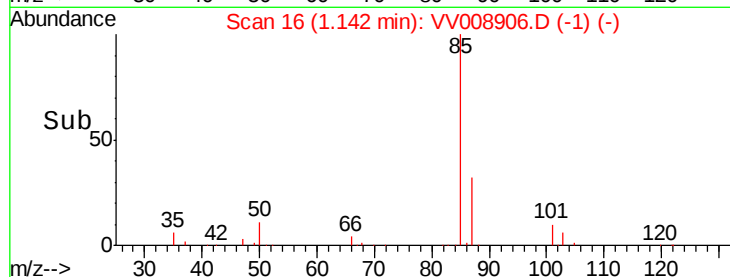
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 74.465 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV008906.D

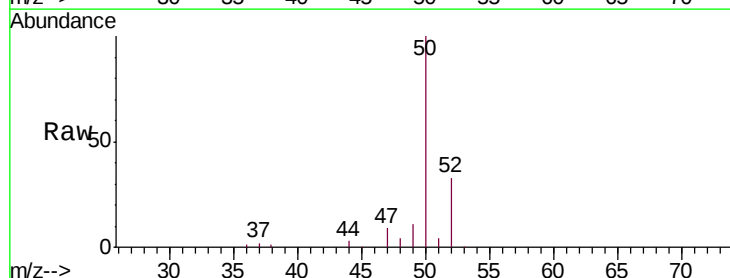
Acq: 13 Dec 2018 13:12

Tgt Ion: 50 Resp: 123498

Ion Ratio Lower Upper

50 100

52 32.6 21.9 40.7



Abundance Ion 50.00 (49.70 to 50.70): VV008906.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV008906.D (-1) (-)

1.26

120000

100000

80000

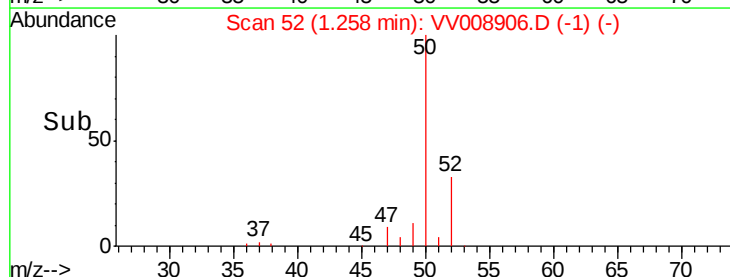
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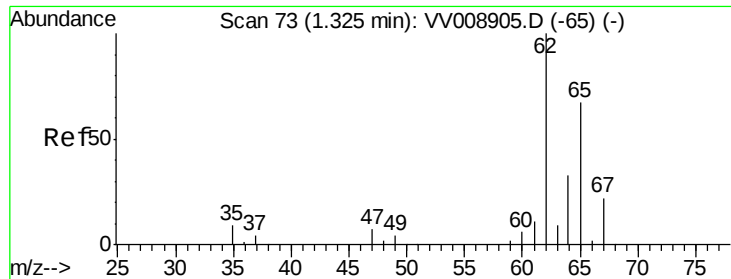
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 80.398 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

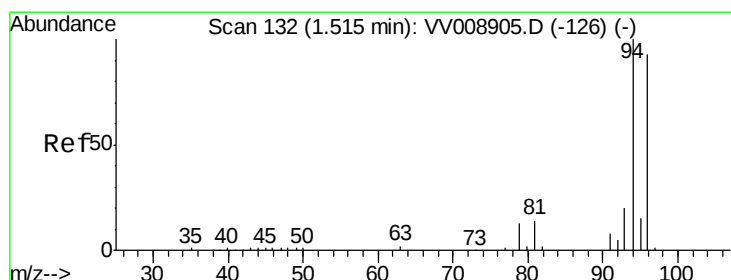
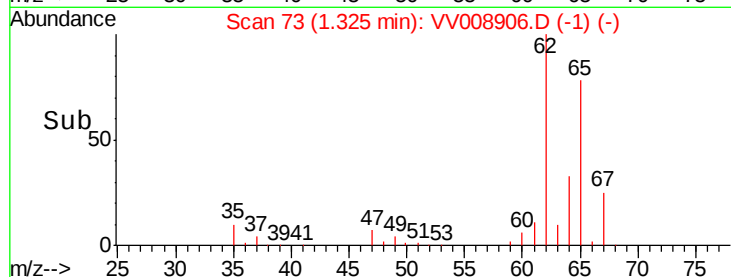
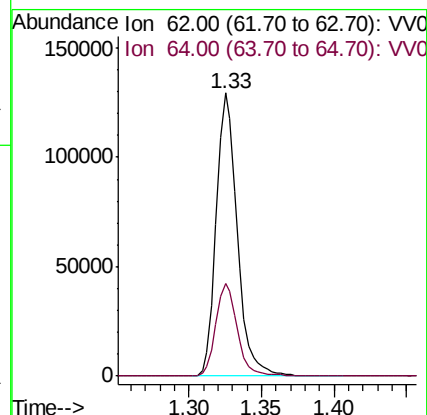
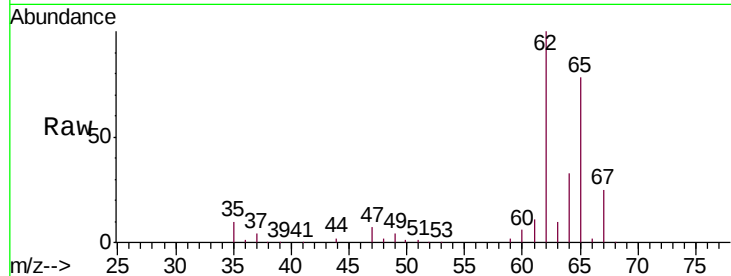
VSTD10073

Tgt Ion: 62 Resp: 130593

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 148.551 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV008906.D

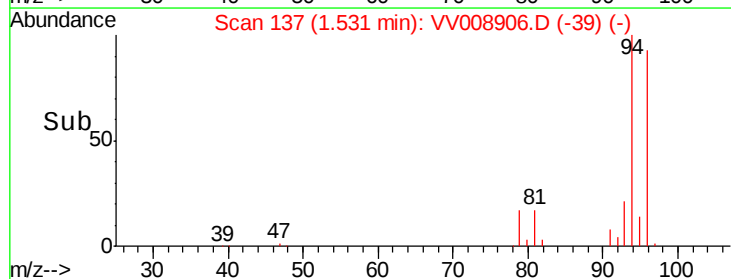
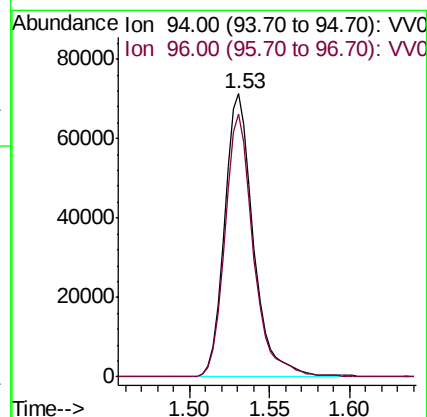
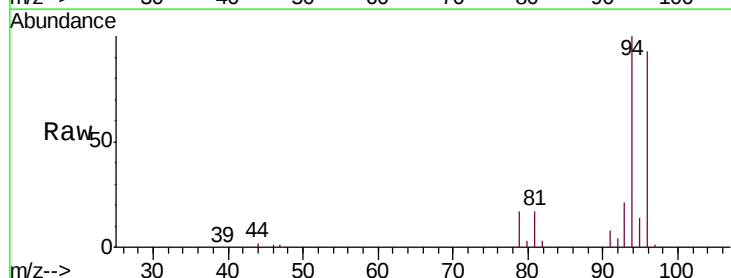
Acq: 13 Dec 2018 13:12

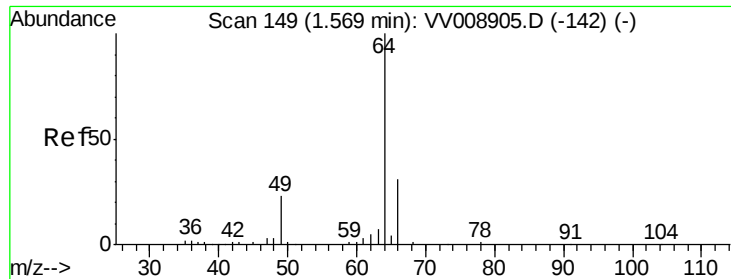
Tgt Ion: 94 Resp: 88429

Ion Ratio Lower Upper

94 100

96 92.9 65.4 121.4





#8

Chloroethane

Concen: 97.824 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.03 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

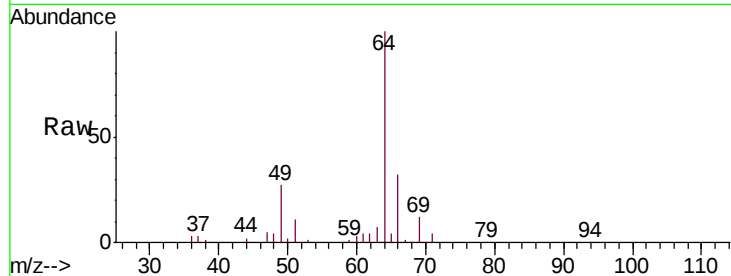
VSTD10073

Tgt Ion: 64 Resp: 77239

Ion Ratio Lower Upper

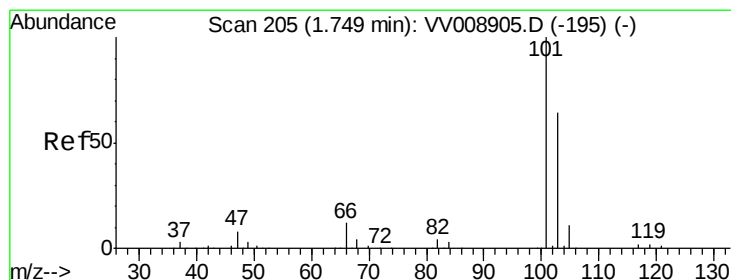
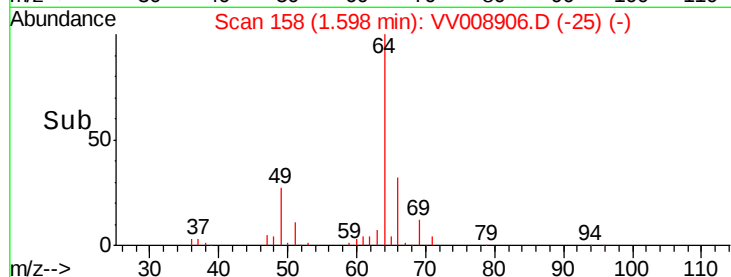
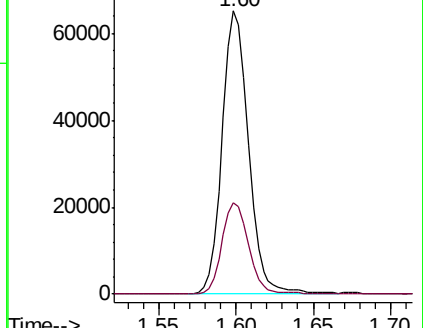
64 100

66 32.4 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV008905.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV008906.D (-25) (-)



#9

Trichlorofluoromethane

Concen: 110.422 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.02 min

Lab File: VV008906.D

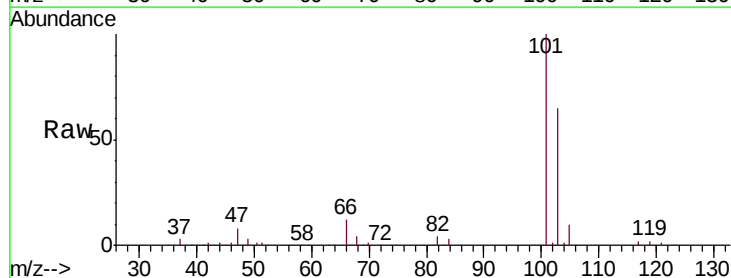
Acq: 13 Dec 2018 13:12

Tgt Ion: 101 Resp: 246455

Ion Ratio Lower Upper

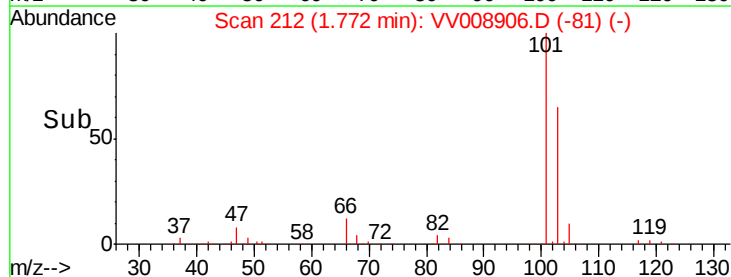
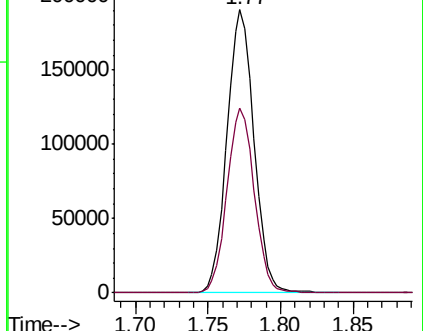
101 100

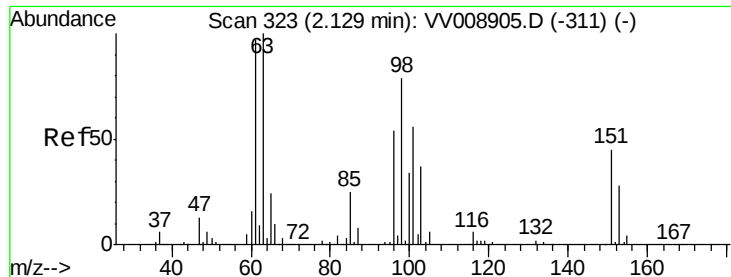
103 66.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008905.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV008906.D (-81) (-)





#10

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

Concen: 116.328 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampled :

VSTD10073

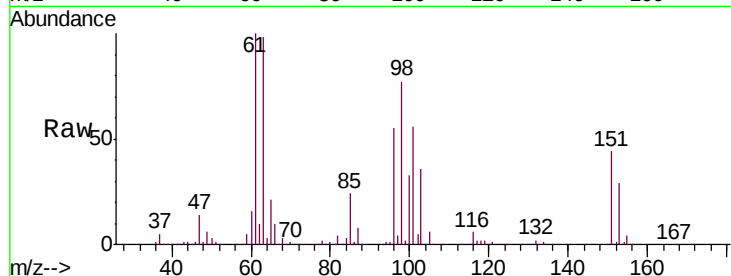
Tgt Ion: 101 Resp: 150598

Ion Ratio Lower Upper

101 100

85 43.2 34.6 52.0

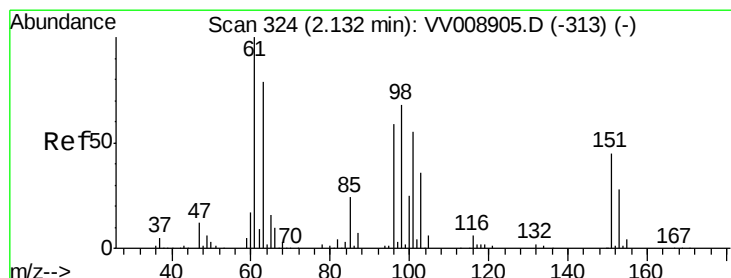
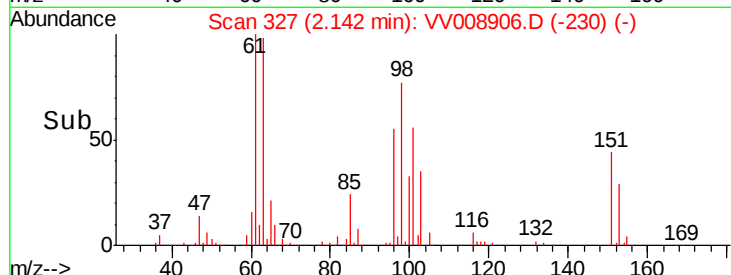
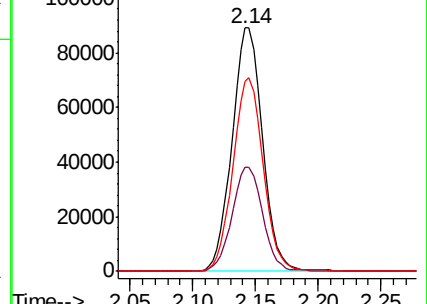
151 79.3 63.8 95.8



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: 115.098 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

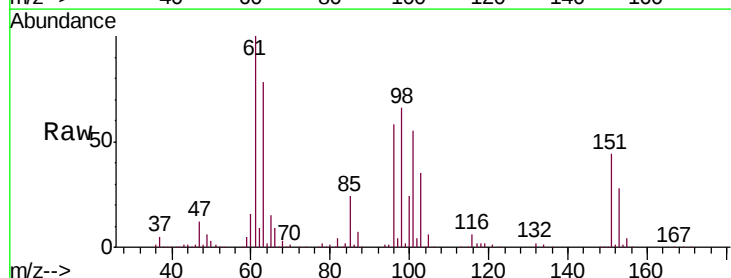
Tgt Ion: 96 Resp: 133793

Ion Ratio Lower Upper

96 100

61 172.3 119.1 221.3

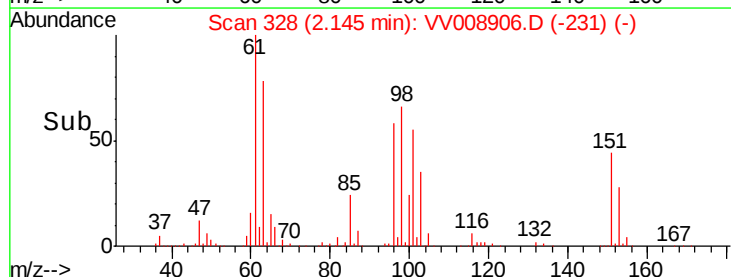
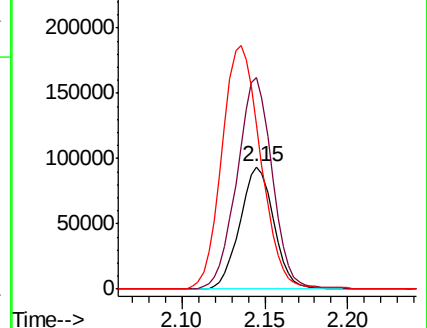
63 134.4 96.0 178.2

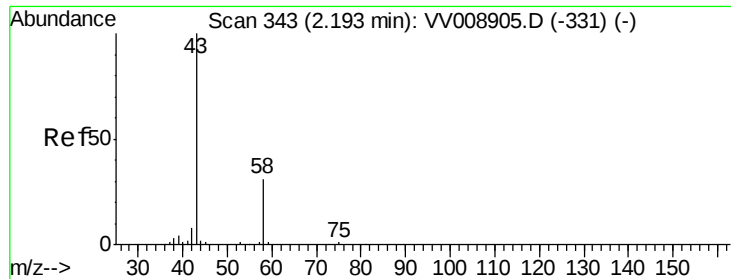


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 190.258 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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ClientSampleId :

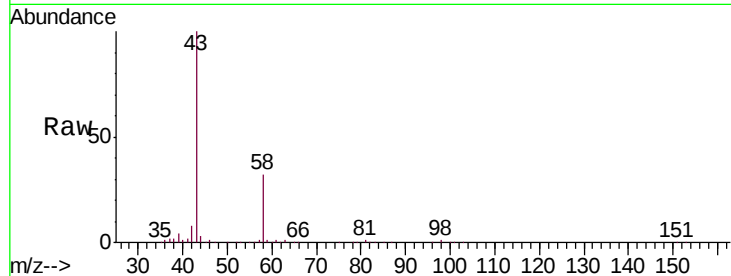
VSTD10073

Tgt Ion: 43 Resp: 236433

Ion Ratio Lower Upper

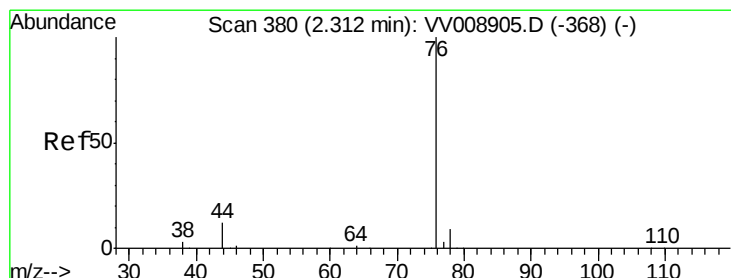
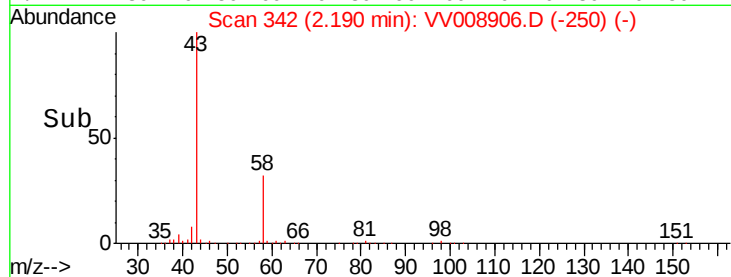
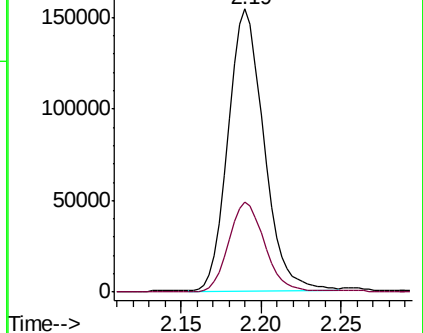
43 100

58 32.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV008905.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008905.D (-331) (-)



#14

Carbon disulfide

Concen: 84.155 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV008906.D

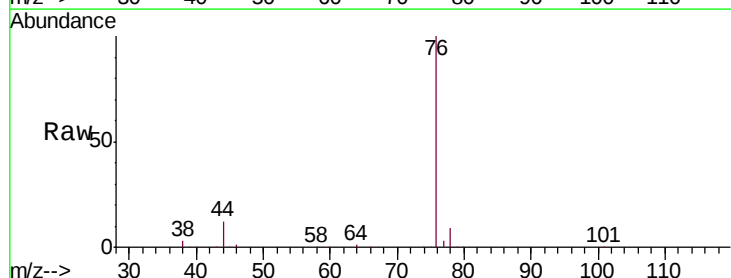
Acq: 13 Dec 2018 13:12

Tgt Ion: 76 Resp: 359148

Ion Ratio Lower Upper

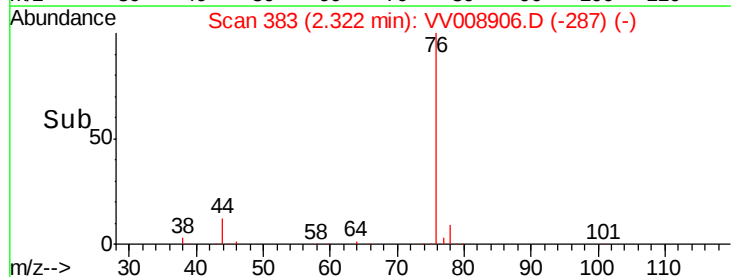
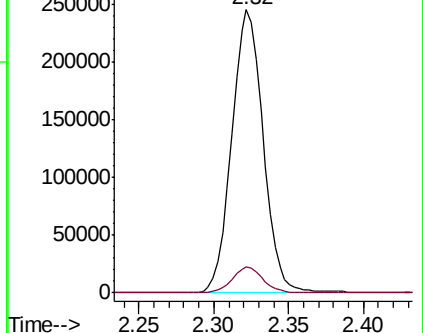
76 100

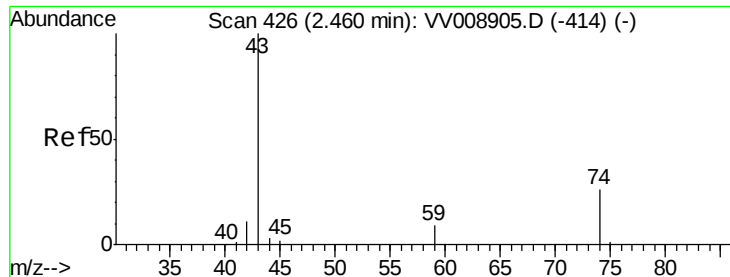
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008905.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV008905.D (-368) (-)





#15

Methyl Acetate

Concen: 72.014 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

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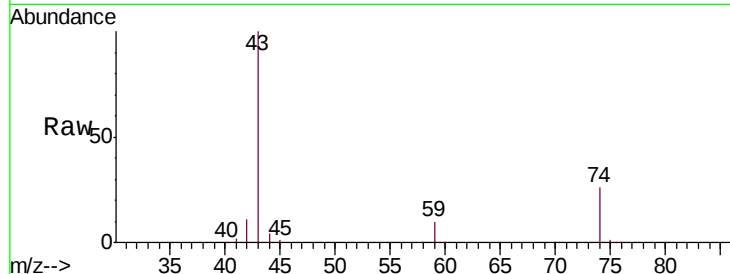
VSTD10073

Tgt Ion: 43 Resp: 134139

Ion Ratio Lower Upper

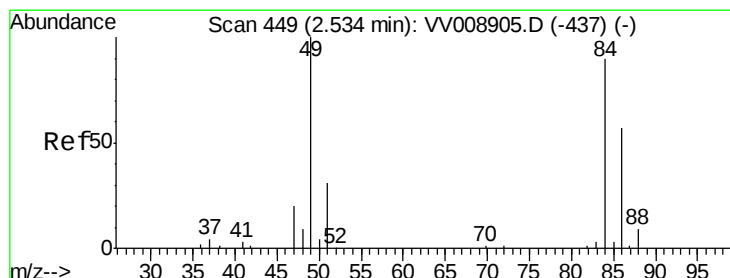
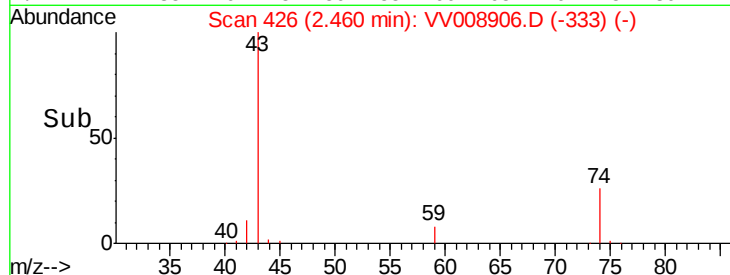
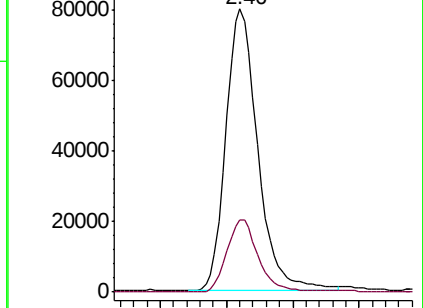
43 100

74 25.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV008906.D (-333) (-)

Ion 74.00 (73.70 to 74.70): VV008906.D (-333) (-)



#16

Methylene chloride

Concen: 85.981 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

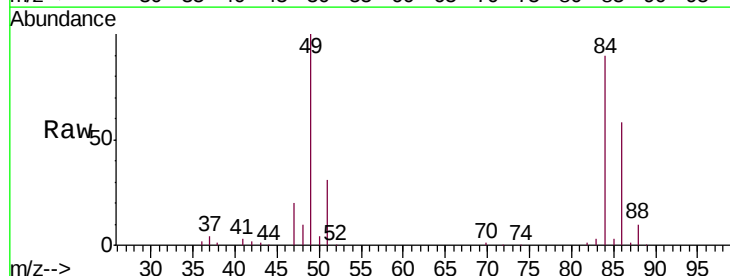
Tgt Ion: 84 Resp: 145759

Ion Ratio Lower Upper

84 100

86 64.7 44.2 82.0

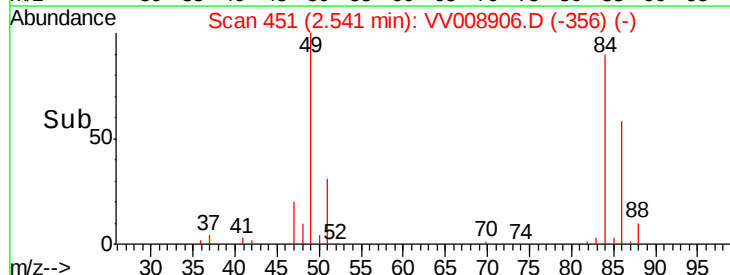
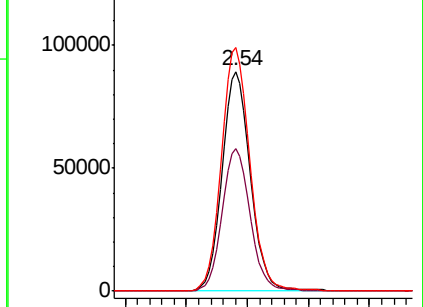
49 110.9 77.4 143.8

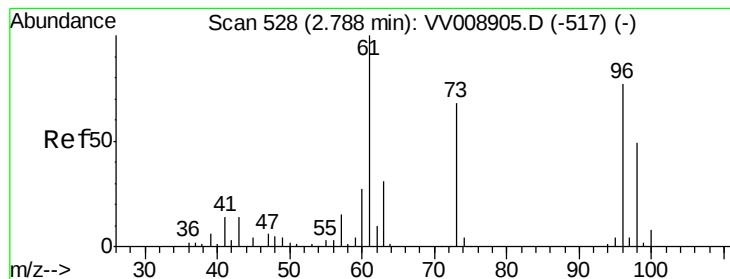


Abundance Ion 84.00 (83.70 to 84.70): VV008906.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV008906.D (-356) (-)

Ion 49.00 (48.70 to 49.70): VV008906.D (-356) (-)





#17

trans-1,2-Dichloroethene

Concen: 89.488 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD10073

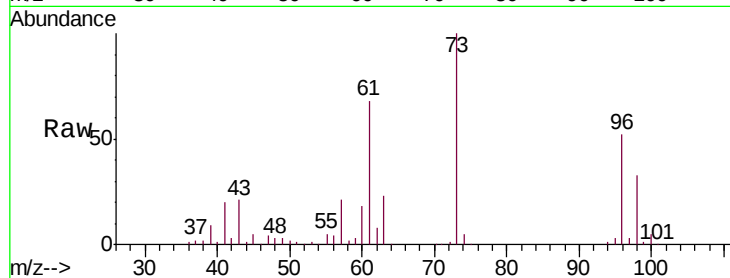
Tgt Ion: 96 Resp: 136480

Ion Ratio Lower Upper

96 100

61 131.5 90.8 168.6

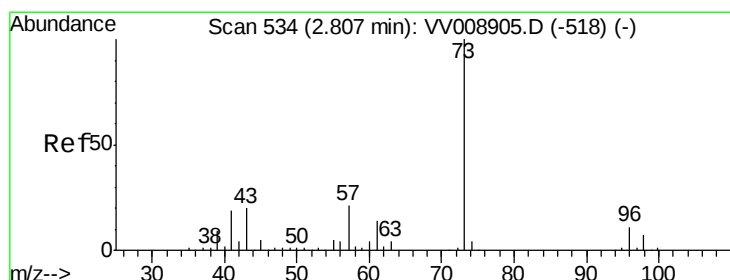
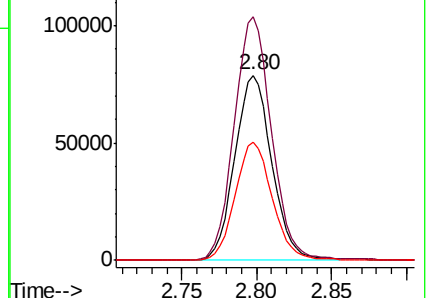
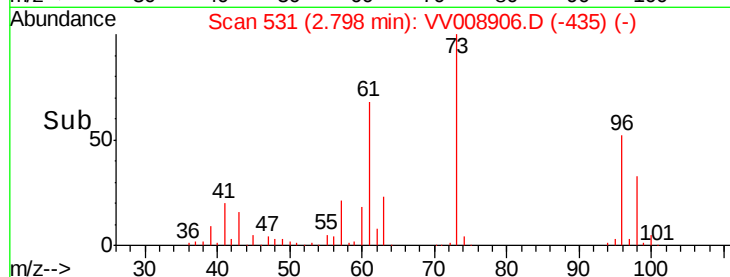
98 63.8 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV008906.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV008906.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV008906.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 86.703 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

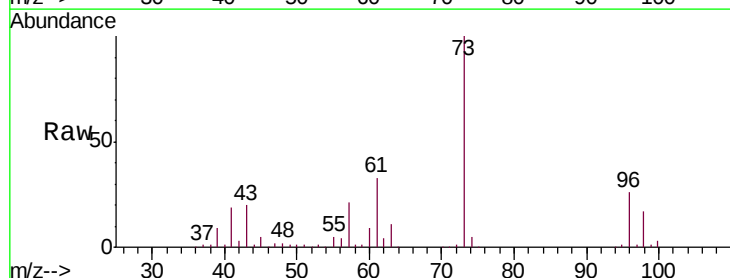
Tgt Ion: 73 Resp: 437733

Ion Ratio Lower Upper

73 100

43 20.0 15.4 23.2

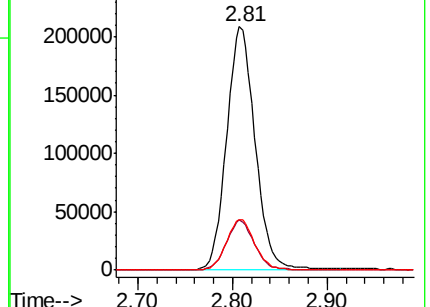
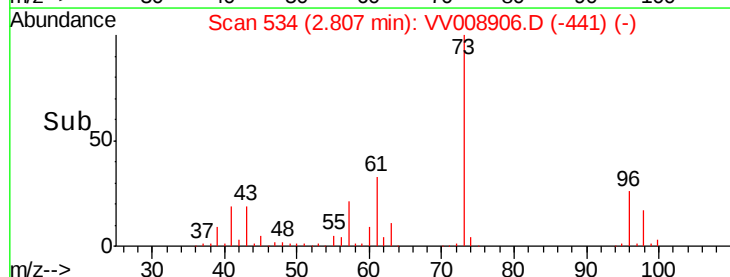
57 20.7 16.9 25.3

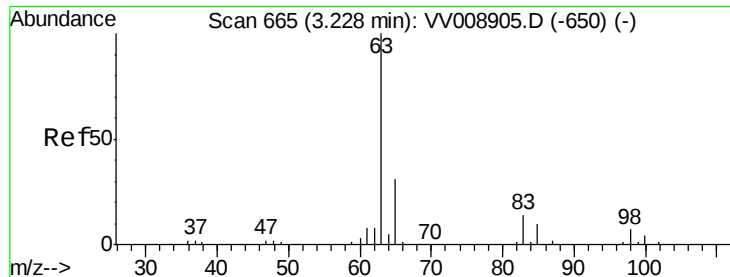


Abundance Ion 73.00 (72.70 to 73.70): VV008906.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008906.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008906.D (-441) (-)





#19

1,1-Dichloroethane

Concen: 84.139 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD10073

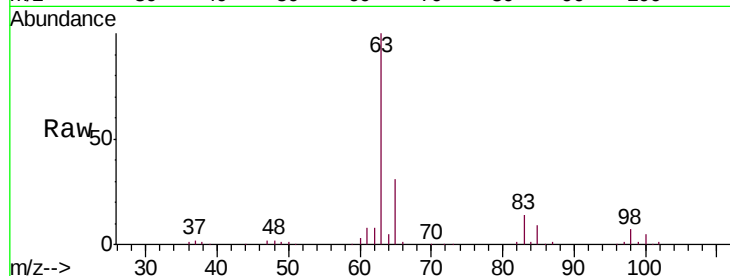
Tgt Ion: 63 Resp: 242544

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

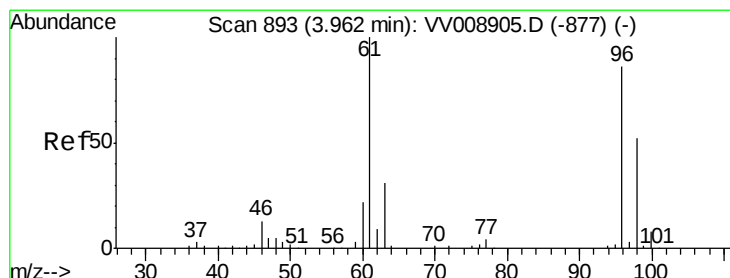
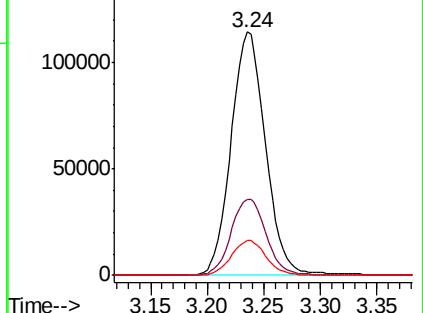
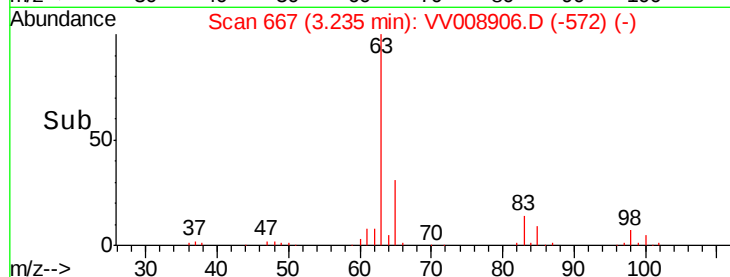
83 14.2 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV008906.D (-572) (-)

Ion 65.00 (64.70 to 65.70): VV008906.D (-572) (-)

Ion 83.00 (82.70 to 83.70): VV008906.D (-572) (-)



#20

cis-1,2-Dichloroethene

Concen: 88.077 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

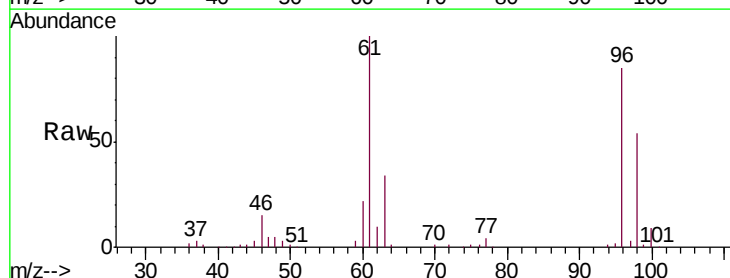
Tgt Ion: 96 Resp: 154480

Ion Ratio Lower Upper

96 100

61 117.4 81.9 152.1

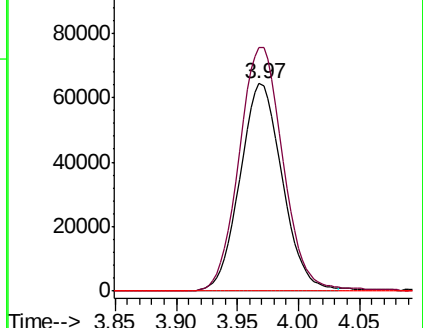
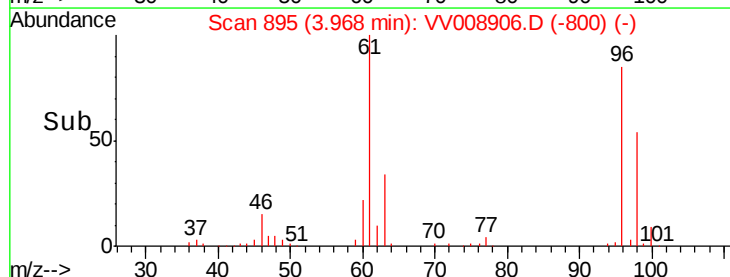
68 0.0 0.0 0.0

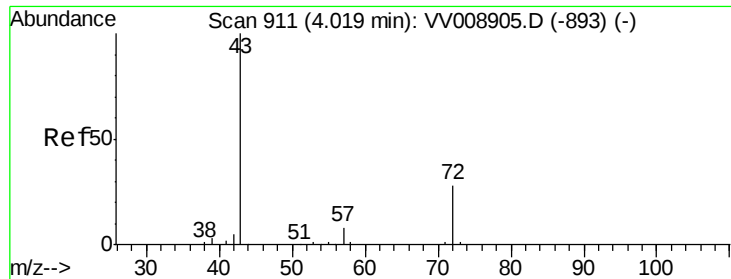


Abundance Ion 96.00 (95.70 to 96.70): VV008906.D (-800) (-)

Ion 61.00 (60.70 to 61.70): VV008906.D (-800) (-)

Ion 68.00 (67.70 to 68.70): VV008906.D (-800) (-)





#22

2-Butanone

Concen: 145.552 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

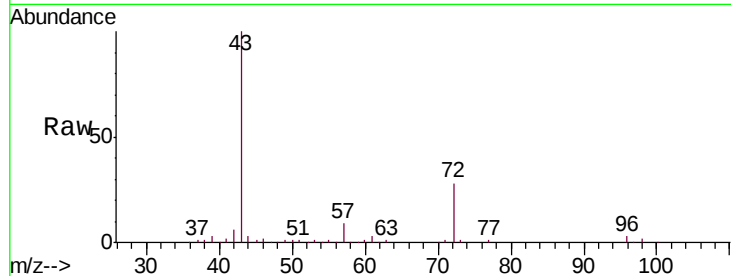
VSTD10073

Tgt Ion: 43 Resp: 218033

Ion Ratio Lower Upper

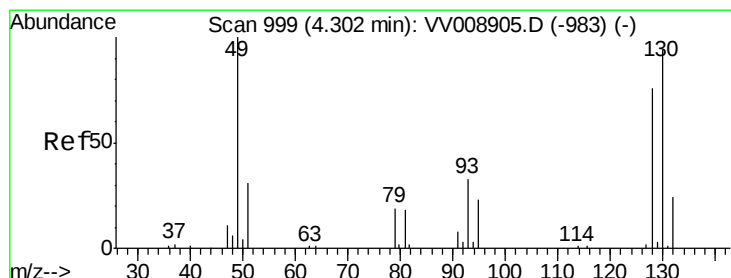
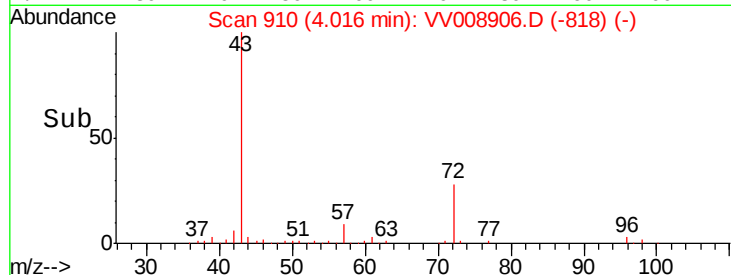
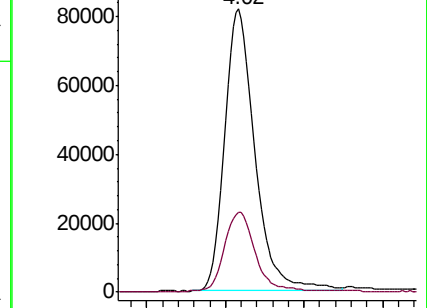
43 100

72 28.9 14.9 44.5



Abundance Ion 43.00 (42.70 to 43.70): VV008906.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV008906.D (-818) (-)



#23

Bromochloromethane

Concen: 96.768 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Tgt Ion: 128 Resp: 83200

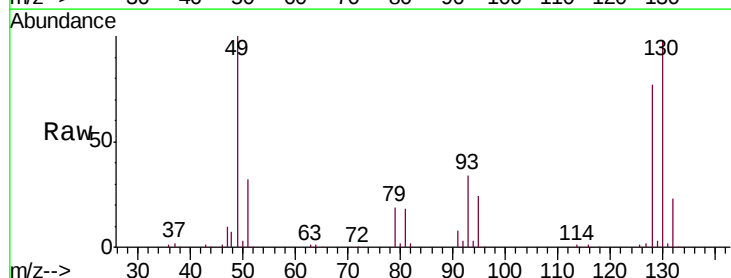
Ion Ratio Lower Upper

128 100

49 130.3 91.6 170.0

130 127.4 86.2 160.0

51 41.1 32.7 49.1

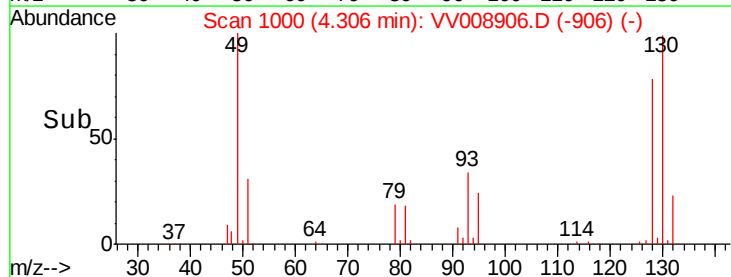
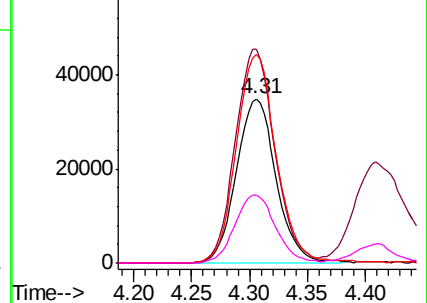


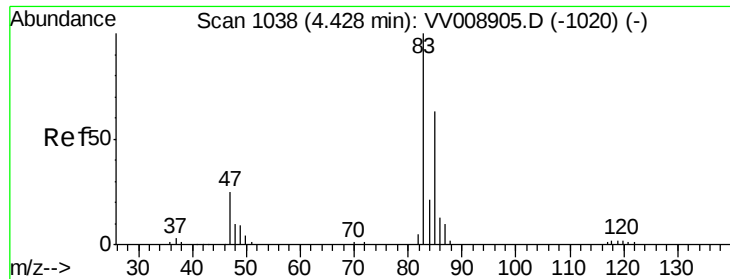
Abundance Ion 128.00 (127.70 to 128.70): VV008906.D (-906) (-)

Ion 49.00 (48.70 to 49.70): VV008906.D (-906) (-)

Ion 130.00 (129.70 to 130.70): VV008906.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VV008906.D (-906) (-)

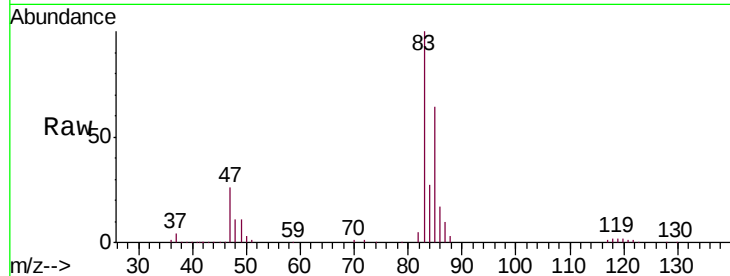




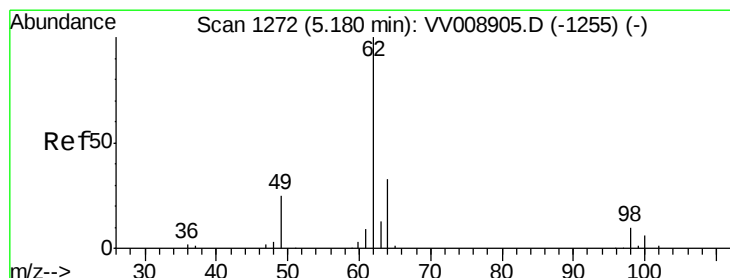
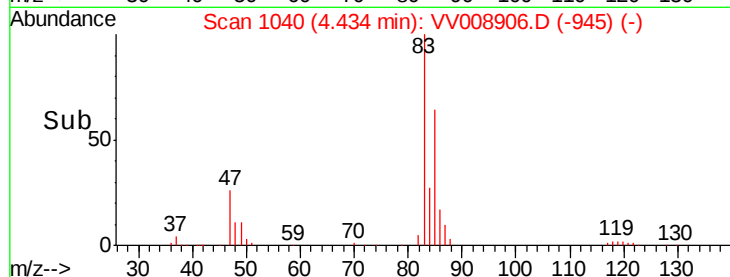
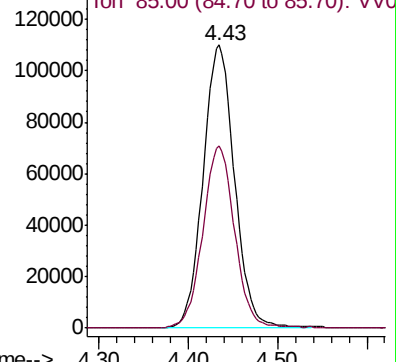
#25
Chloroform
Concen: 88.038 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

Tgt Ion: 83 Resp: 268823
Ion Ratio Lower Upper
83 100
85 64.4 44.3 82.3

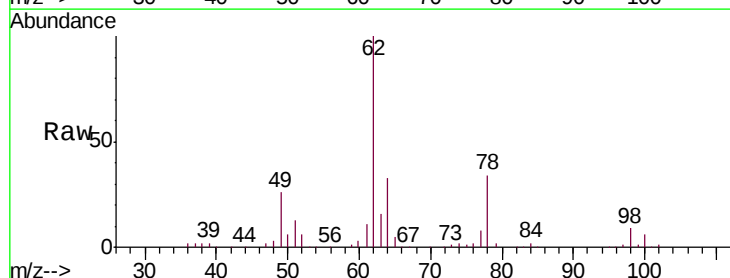


Abundance Ion 83.00 (82.70 to 83.70): VV008906.D (-1179) (-)
Ion 85.00 (84.70 to 85.70): VV008906.D (-1179) (-)

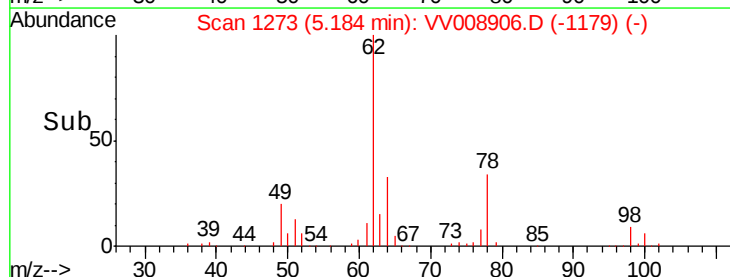
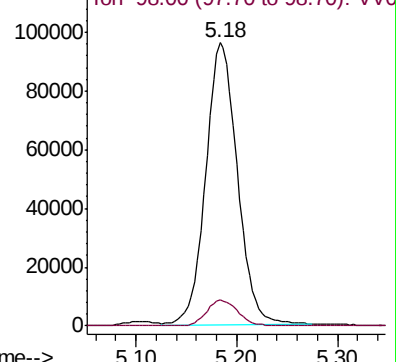


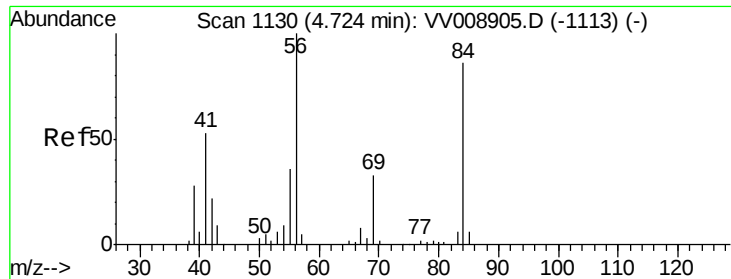
#27
1,2-Dichloroethane
Concen: 88.669 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 62 Resp: 208819
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV008906.D (-1179) (-)
Ion 98.00 (97.70 to 98.70): VV008906.D (-1179) (-)

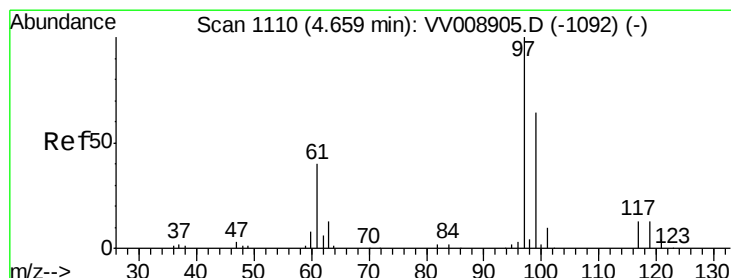
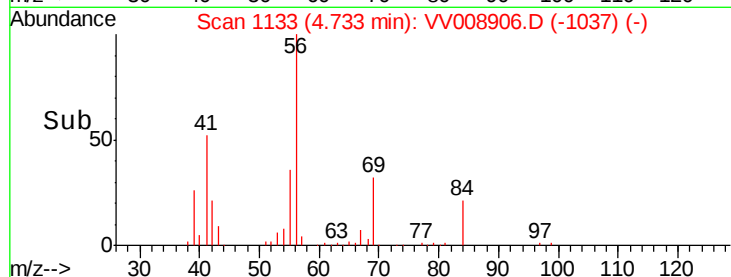
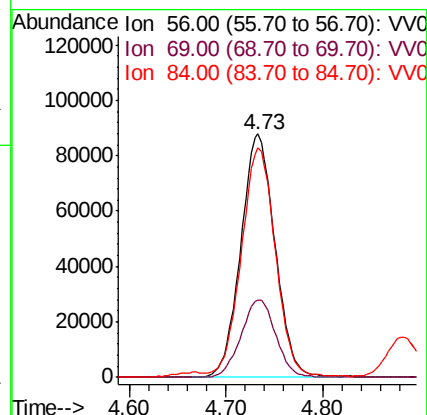
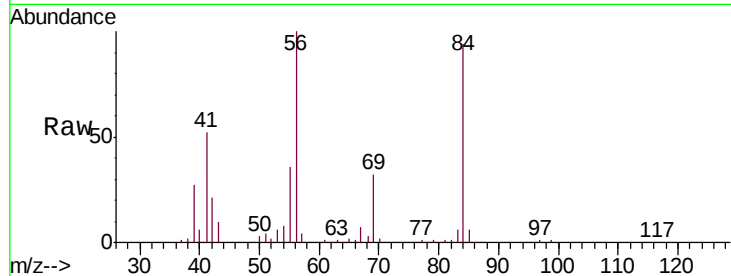




#29
Cyclohexane
Concen: 80.780 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

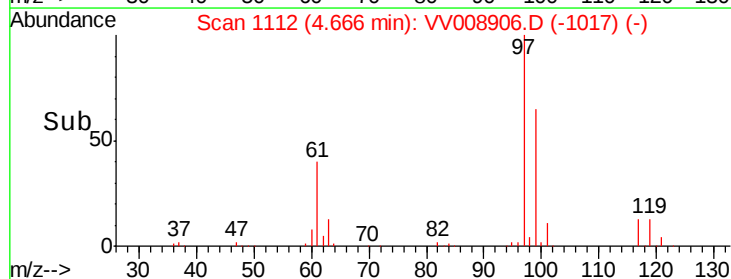
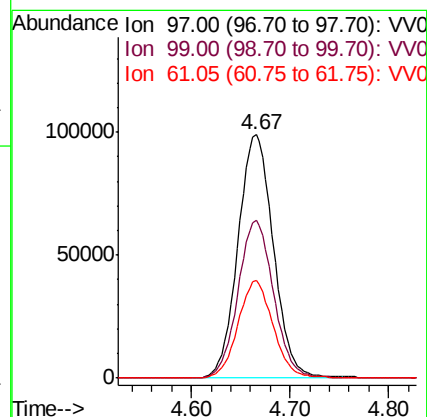
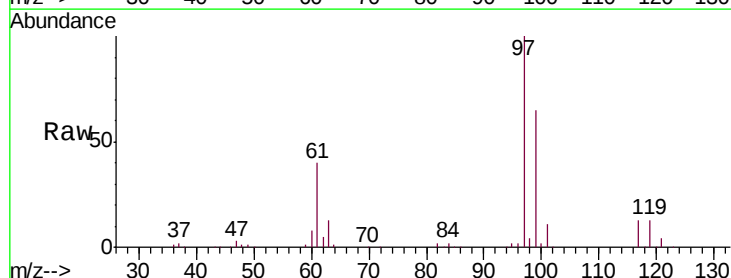
Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

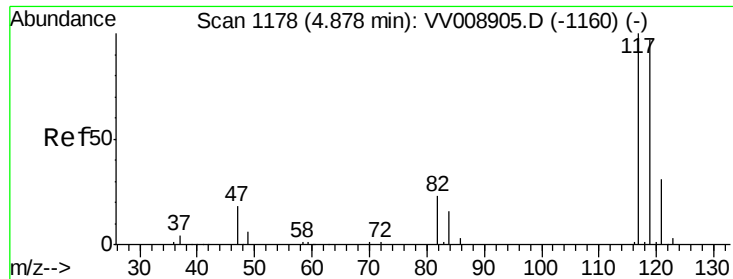
Tgt Ion: 56 Resp: 215933
Ion Ratio Lower Upper
56 100
69 32.2 26.0 39.0
84 94.2 70.9 106.3



#30
1,1,1-Trichloroethane
Concen: 96.768 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 97 Resp: 246955
Ion Ratio Lower Upper
97 100
99 65.0 51.7 77.5
61 39.9 32.5 48.7

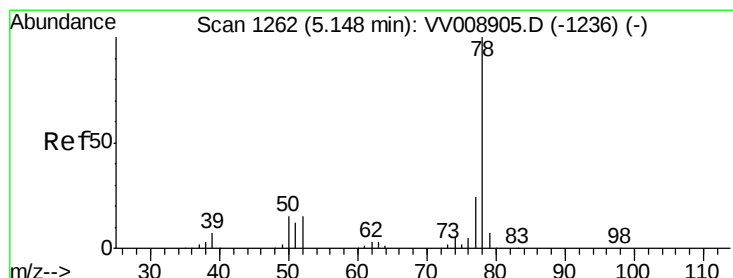
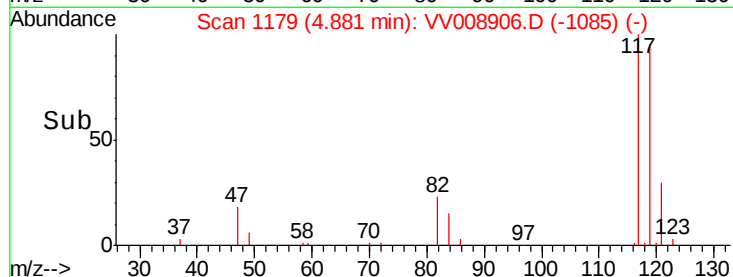
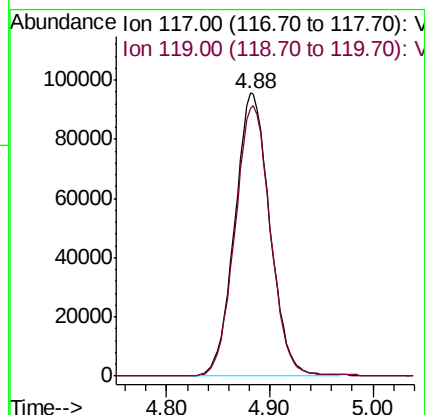
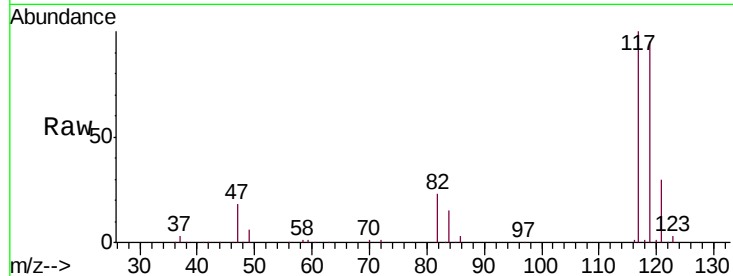




#31
Carbon tetrachloride
Concen: 105.160 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

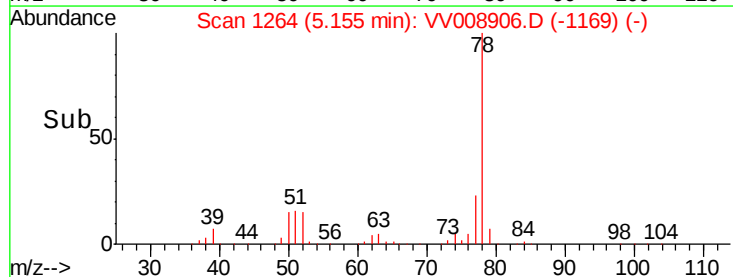
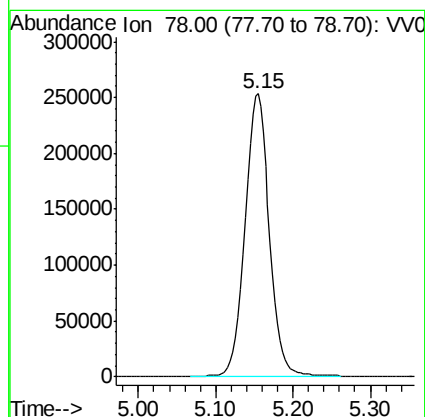
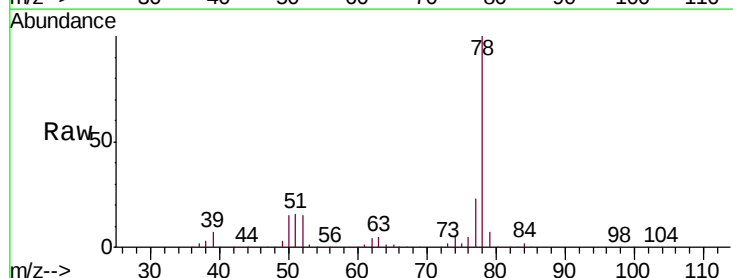
Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

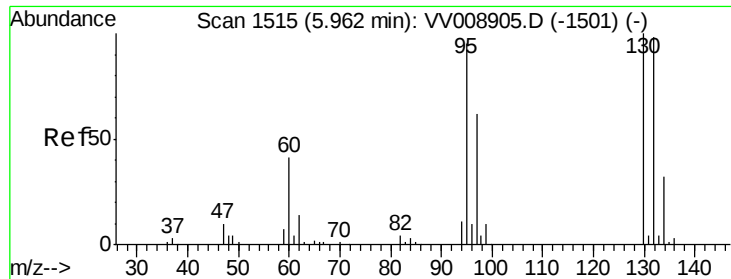
Tgt Ion:117 Resp: 226471
Ion Ratio Lower Upper
117 100
119 96.3 77.7 116.5



#33
Benzene
Concen: 85.615 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 78 Resp: 555393

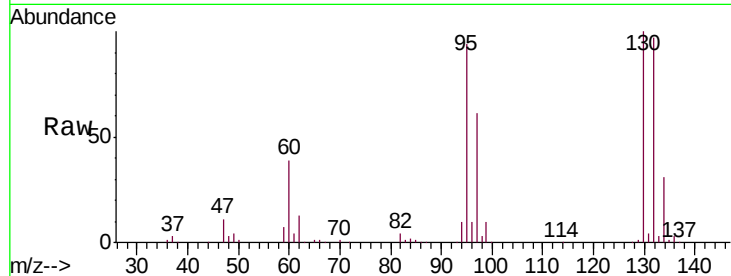




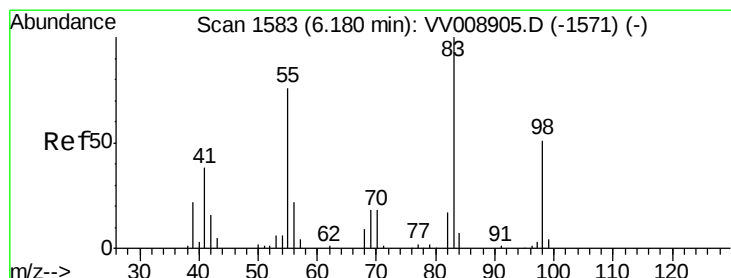
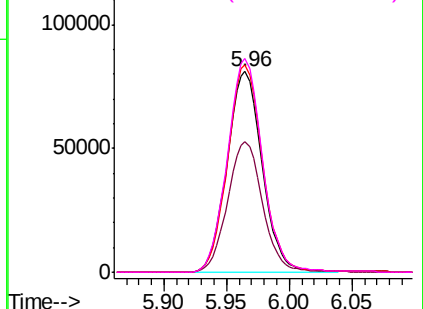
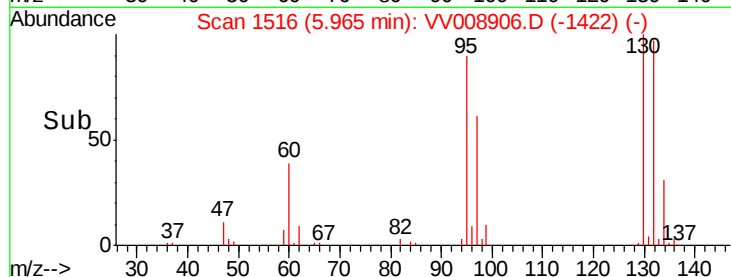
#34
 Trichloroethene
 Concen: 91.033 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10073

Tgt Ion:	95	Resp:	157797
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.7	84.9
132	103.2	72.2	134.2
130	106.5	73.8	137.2

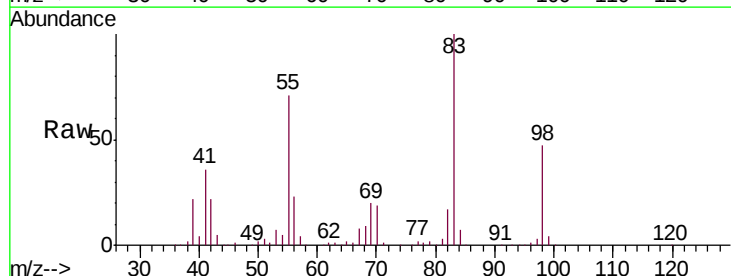


Abundance Ion 95.00 (94.70 to 95.70): VV008906.D (-1422) (-)
 Ion 97.00 (96.70 to 97.70): VV008906.D (-1422) (-)
 Ion 132.00 (131.70 to 132.70): VV008906.D (-1422) (-)
 Ion 130.00 (129.70 to 130.70): VV008906.D (-1422) (-)

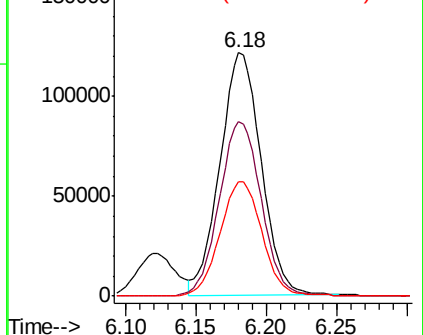
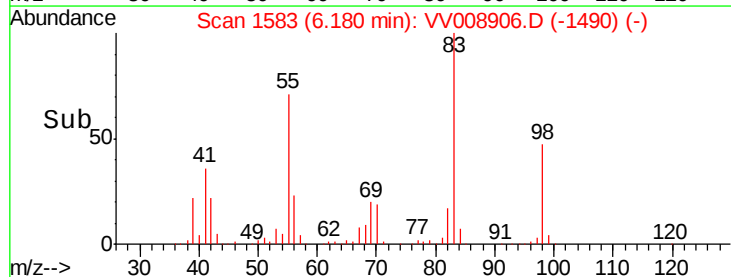


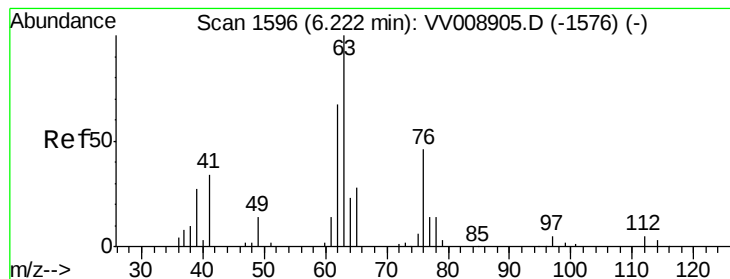
#35
 Methylcyclohexane
 Concen: 87.663 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Tgt Ion:	83	Resp:	247958
Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.8	86.8
98	48.4	39.0	58.4



Abundance Ion 83.00 (82.70 to 83.70): VV008906.D (-1490) (-)
 Ion 55.00 (54.70 to 55.70): VV008906.D (-1490) (-)
 Ion 98.00 (97.70 to 98.70): VV008906.D (-1490) (-)





#37

1,2-Dichloropropane

Concen: 81.394 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

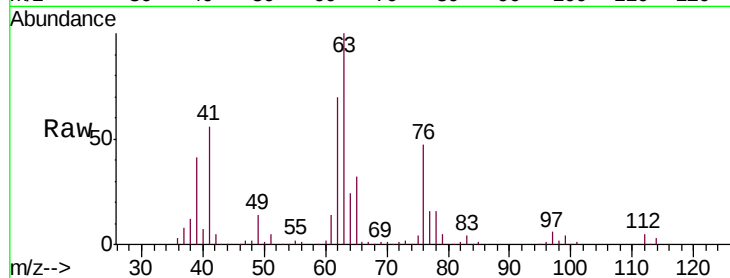
VSTD10073

Tgt Ion: 63 Resp: 141695

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV008905.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008905.D (-1576) (-)

6.23

80000

60000

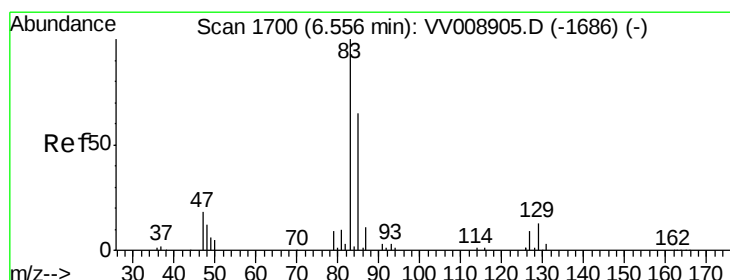
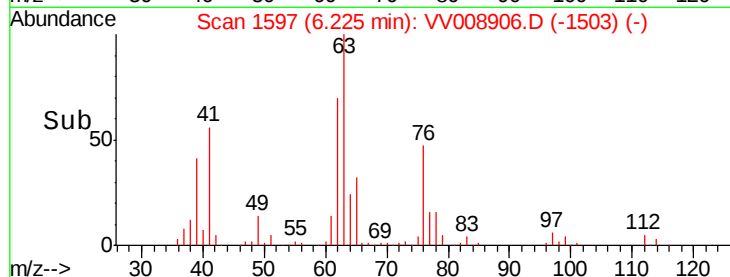
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 95.724 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

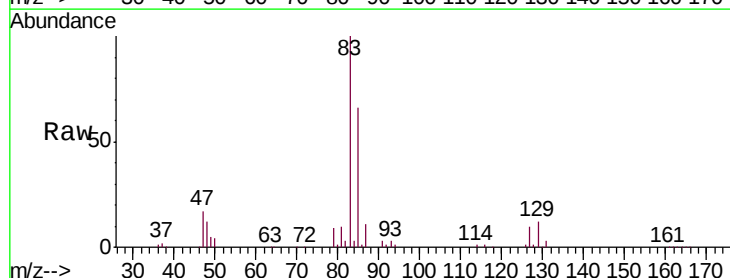
Tgt Ion: 83 Resp: 203932

Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.0

127 9.5 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV008905.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008905.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV008905.D (-1686) (-)

6.56

150000

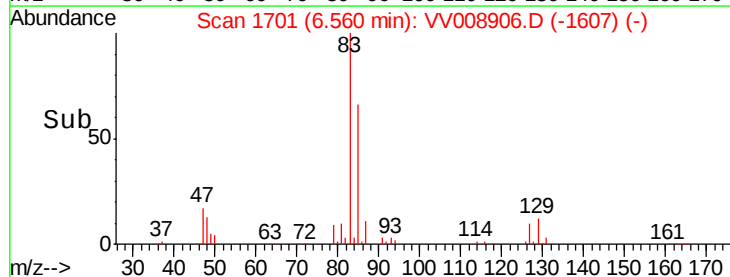
100000

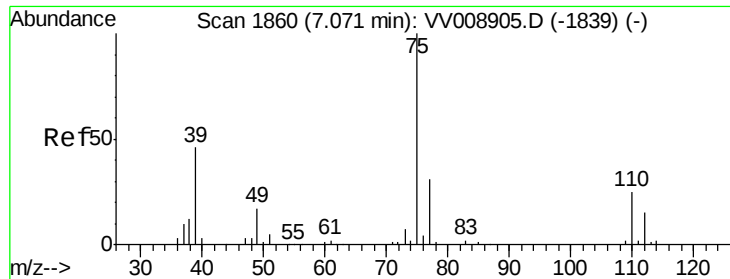
50000

0

6.45 6.55 6.65

Time-->

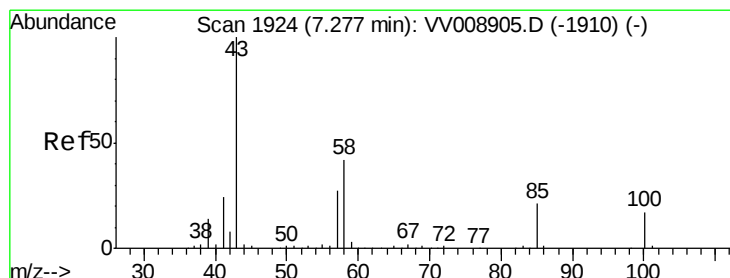
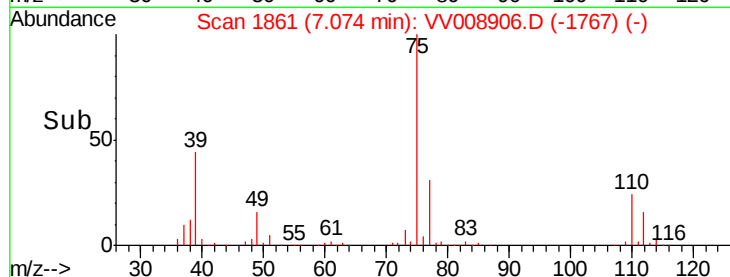
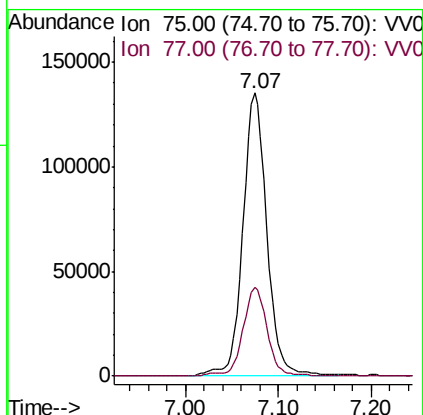
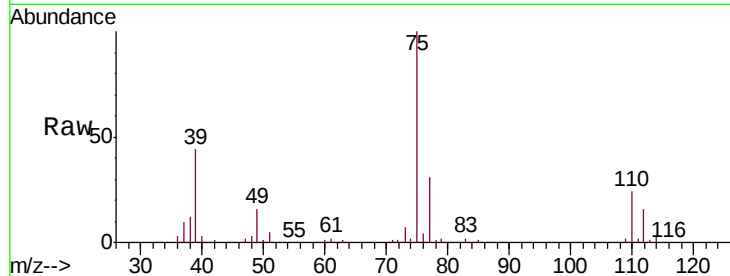




#39
 cis-1,3-Dichloropropene
 Concen: 96.901 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

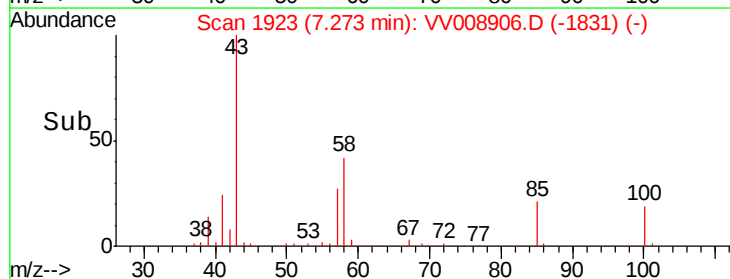
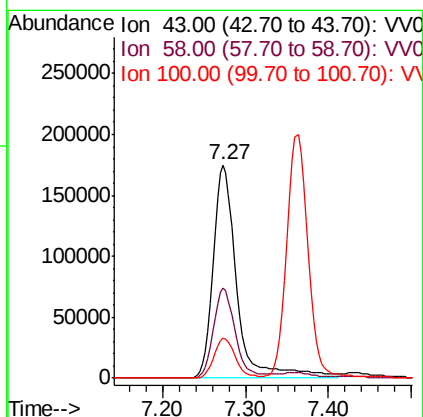
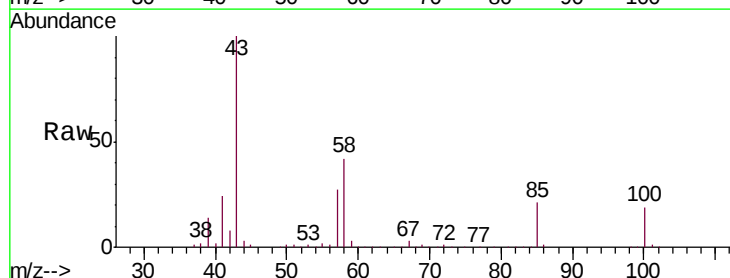
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10073

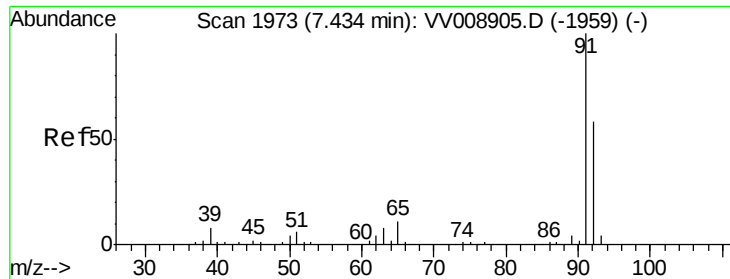
Tgt Ion: 75 Resp: 243324
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 147.163 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 43 Resp: 348450
 Ion Ratio Lower Upper
 43 100
 58 38.9 33.4 50.0
 100 16.8 13.9 20.9





#42

Toluene

Concen: 89.777 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

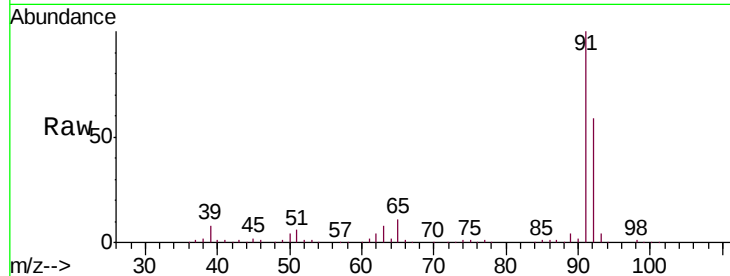
Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

Tgt Ion: 91 Resp: 606956

Ion Ratio Lower Upper

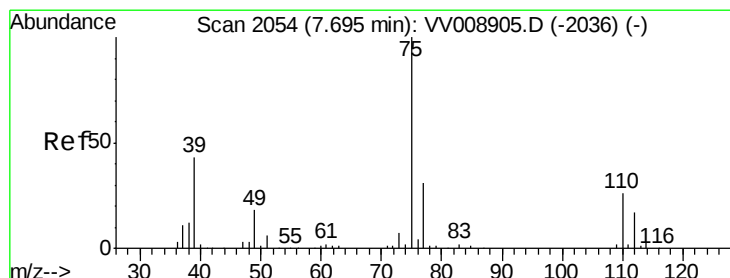
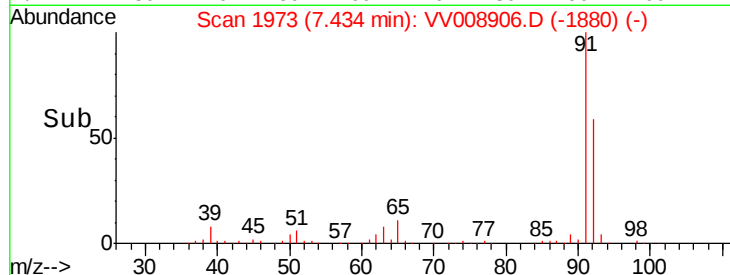
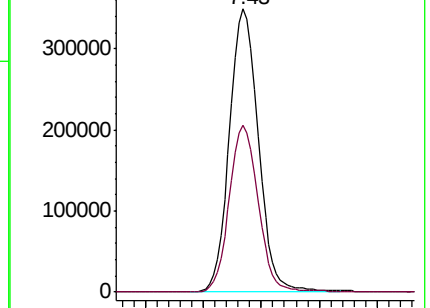
91 100

92 58.8 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV008905.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008906.D (-1880) (-)



#44

trans-1,3-Dichloropropene

Concen: 99.239 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008906.D

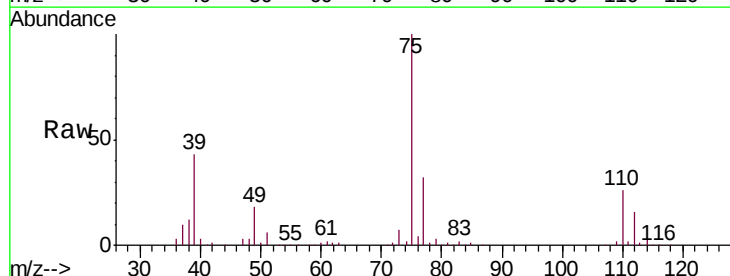
Acq: 13 Dec 2018 13:12

Tgt Ion: 75 Resp: 228468

Ion Ratio Lower Upper

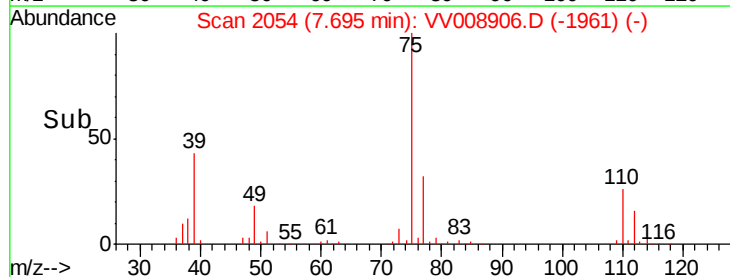
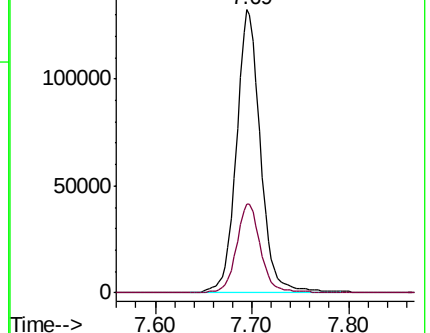
75 100

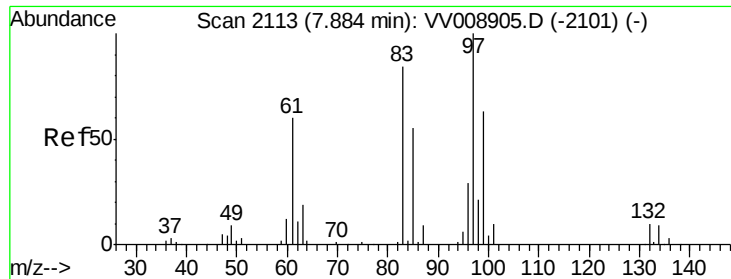
77 31.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV008905.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008906.D (-1961) (-)

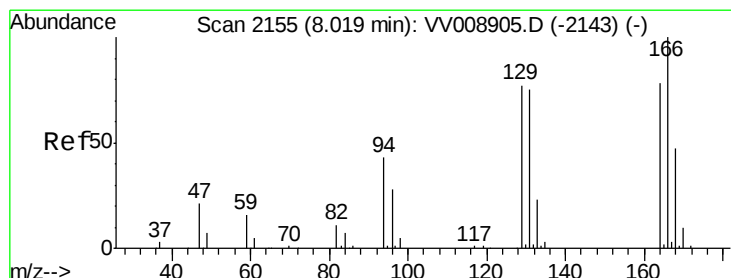
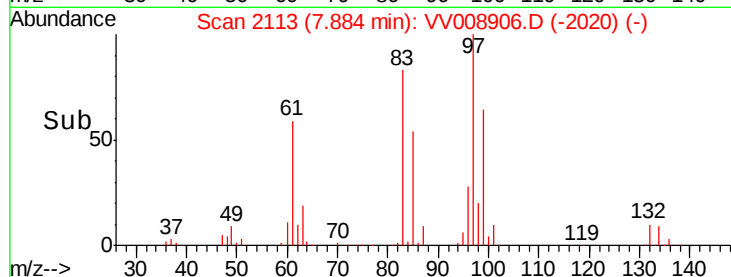
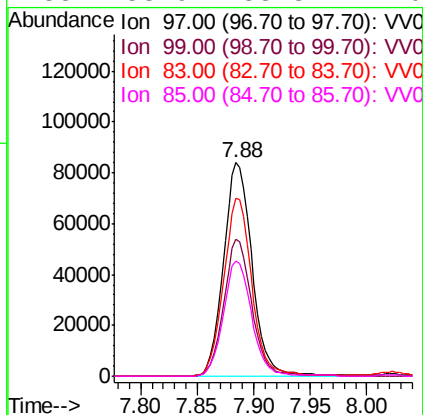
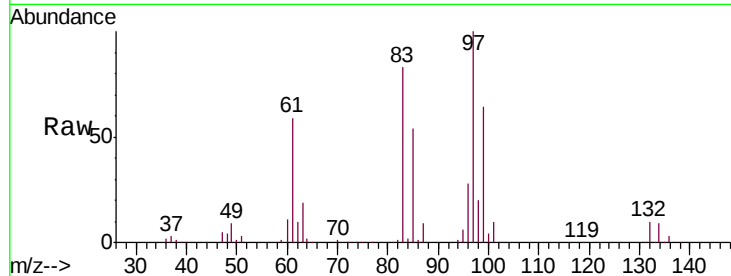




#45
 1,1,2-Trichloroethane
 Concen: 91.136 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

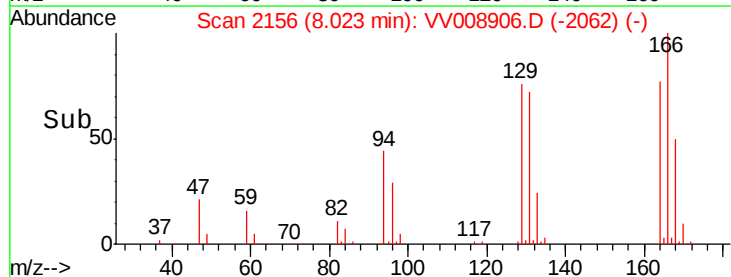
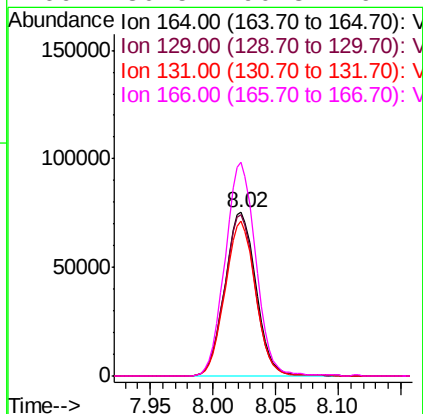
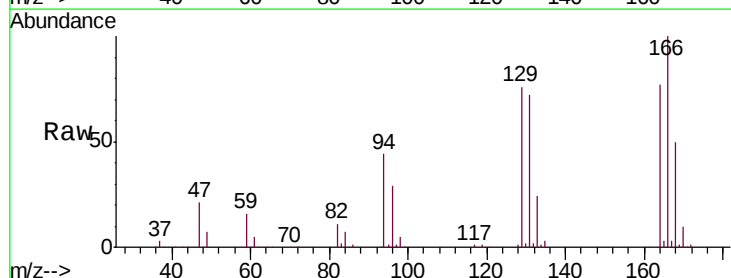
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10073

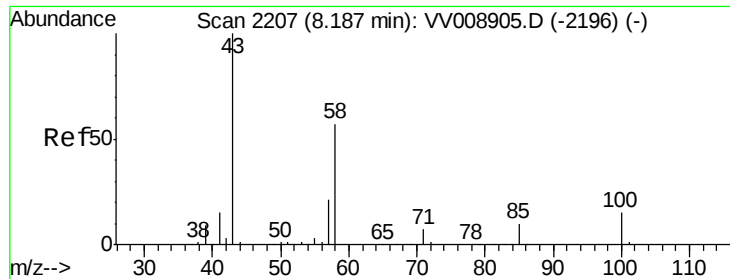
Tgt Ion:	97	Resp:	147562
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.8	81.3
83	83.3	58.8	109.2
85	53.9	38.8	72.0



#46
 Tetrachloroethene
 Concen: 101.627 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Tgt Ion:	164	Resp:	129993
Ion	Ratio	Lower	Upper
164	100		
129	98.5	69.2	128.4
131	94.3	67.8	125.8
166	130.5	90.3	167.7

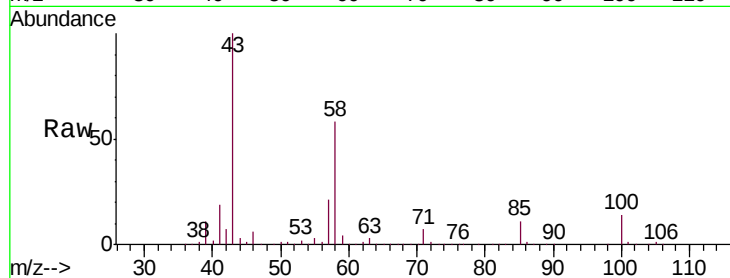




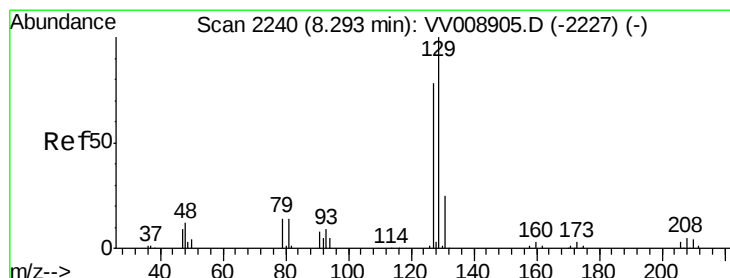
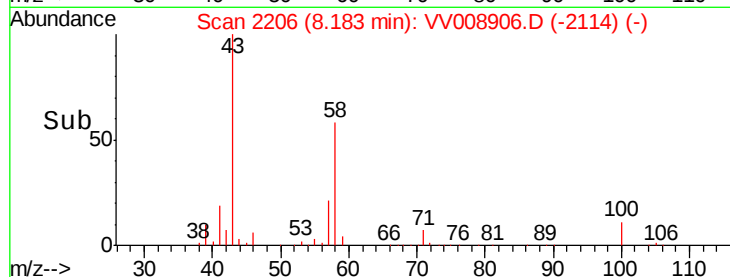
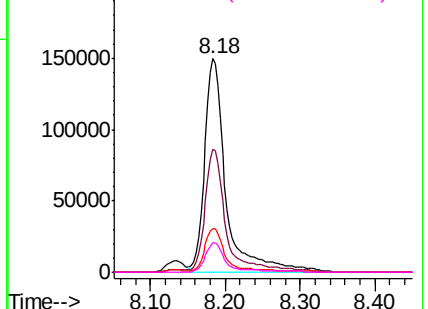
#48
2-Hexanone
Concen: 159.734 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

Tgt Ion: 43 Resp: 299957
Ion Ratio Lower Upper
43 100
58 56.6 42.7 64.1
57 17.5 15.7 23.5
100 12.0 11.3 16.9

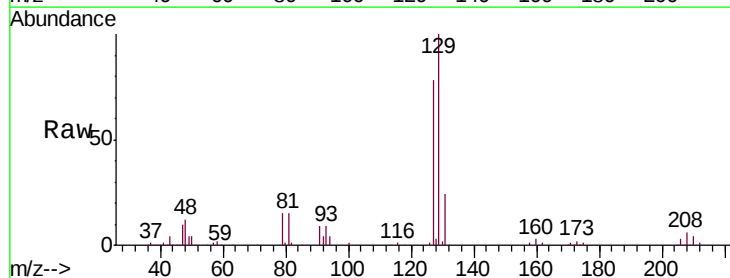


Abundance Ion 43.00 (42.70 to 43.70): VV008906.D (-2114) (-)
Ion 58.00 (57.70 to 58.70): VV008906.D (-2114) (-)
Ion 57.00 (56.70 to 57.70): VV008906.D (-2114) (-)
Ion 100.00 (99.70 to 100.70): VV008906.D (-2114) (-)

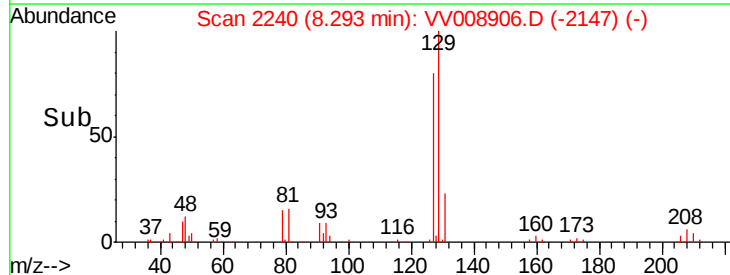
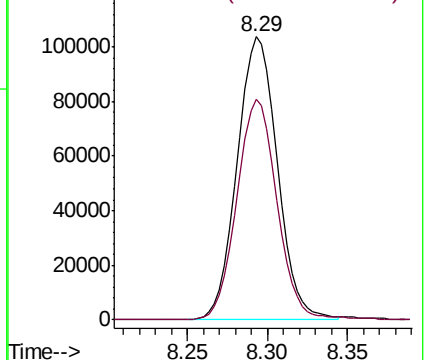


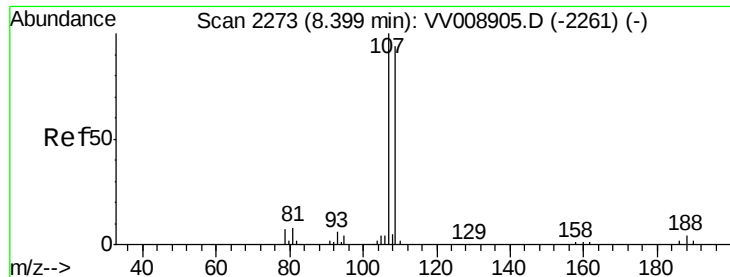
#49
Dibromochloromethane
Concen: 107.829 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 129 Resp: 178543
Ion Ratio Lower Upper
129 100
127 77.9 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): VV008906.D (-2147) (-)
Ion 127.00 (126.70 to 127.70): VV008906.D (-2147) (-)

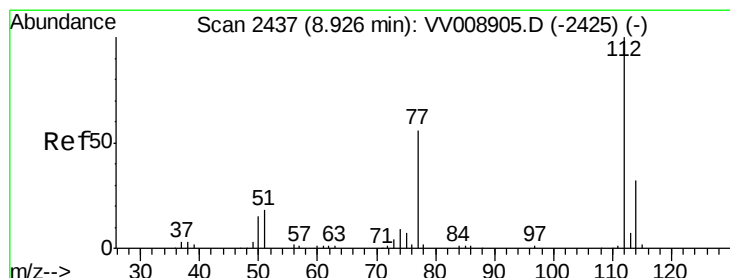
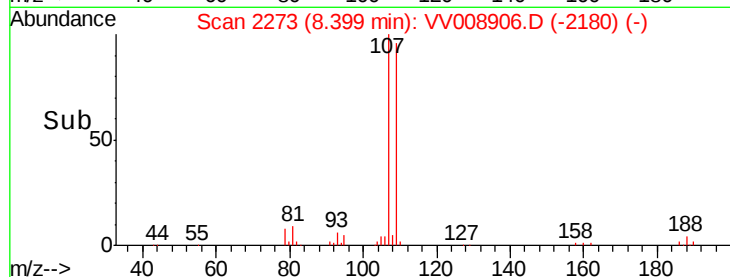
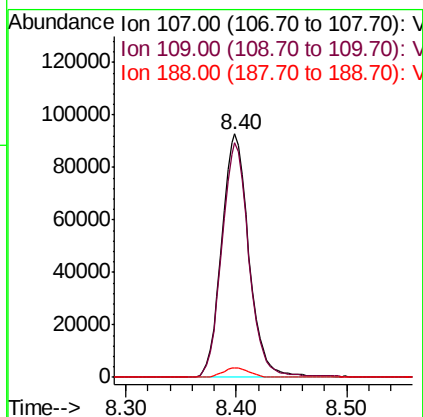
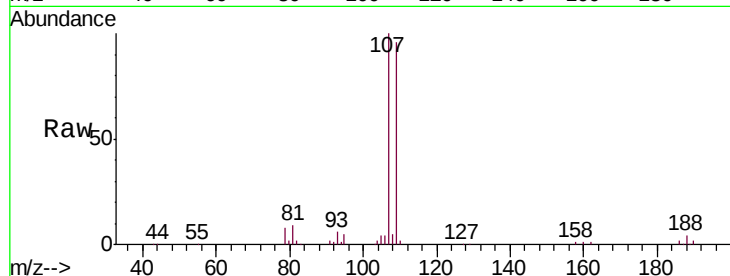




#50
1,2-Dibromoethane
Concen: 93.920 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

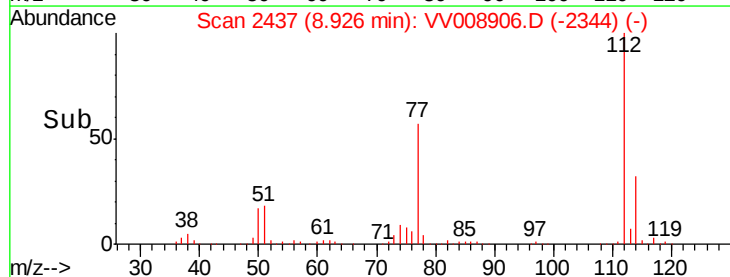
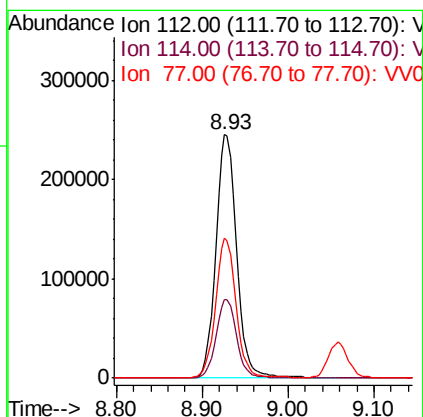
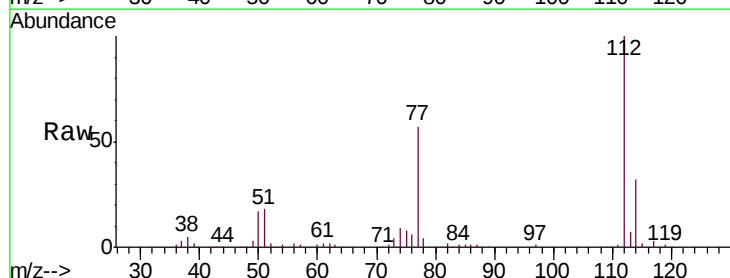
Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

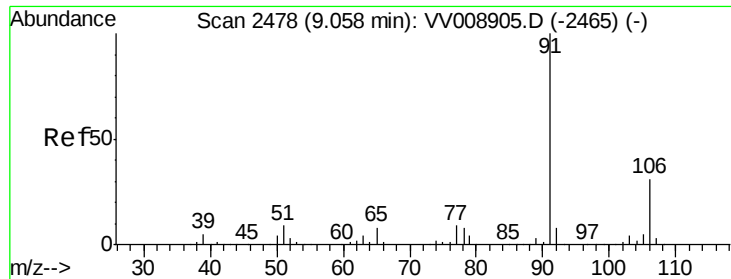
Tgt Ion:107 Resp: 159510
Ion Ratio Lower Upper
107 100
109 96.3 66.1 122.7
188 4.0 2.8 4.2



#51
Chlorobenzene
Concen: 95.137 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Tgt Ion:112 Resp: 414320
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 57.2 45.2 67.8





#52

Ethylbenzene

Concen: 93.069 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

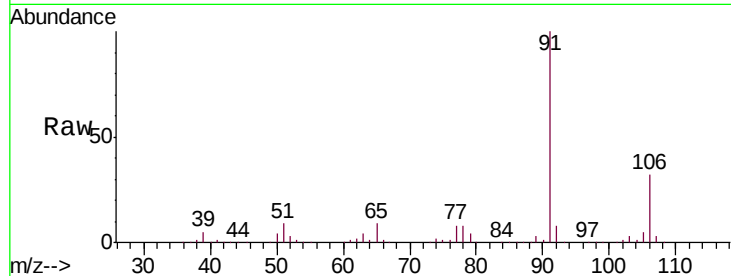
VSTD10073

Tgt Ion: 91 Resp: 690500

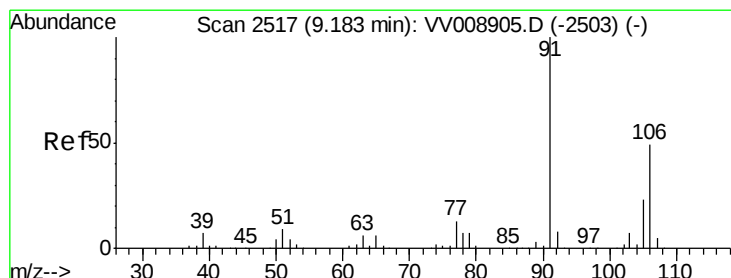
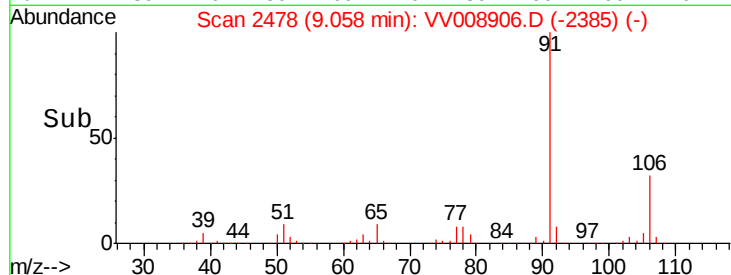
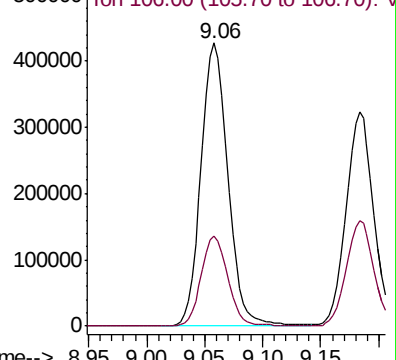
Ion Ratio Lower Upper

91 100

106 31.6 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV008906.D (-2385) (-)



#53

m,p-Xylene

Concen: 98.424 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008906.D

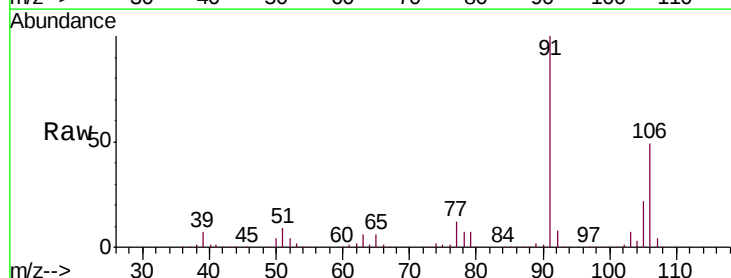
Acq: 13 Dec 2018 13:12

Tgt Ion: 106 Resp: 269810

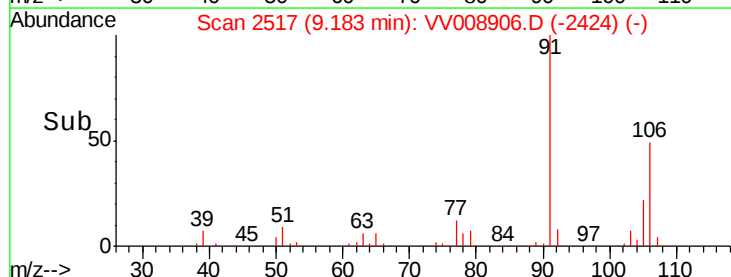
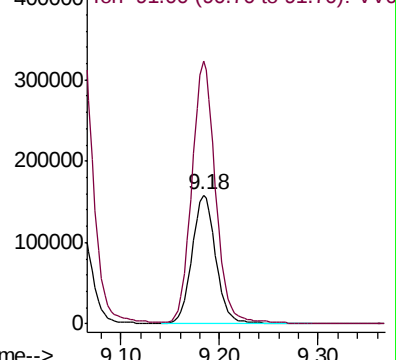
Ion Ratio Lower Upper

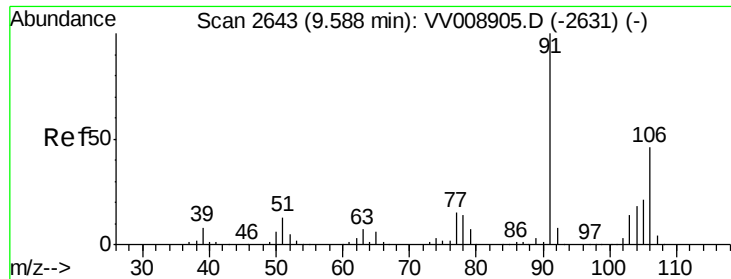
106 100

91 204.0 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): VV008906.D (-2424) (-)

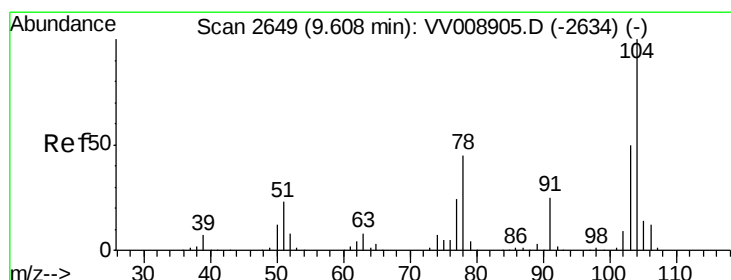
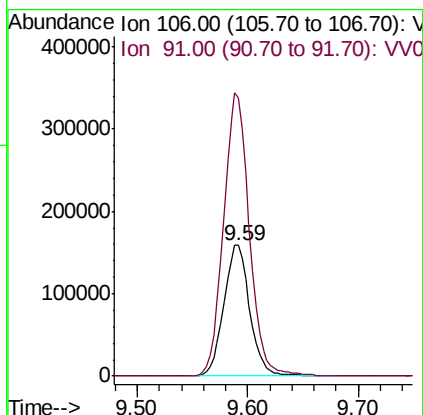
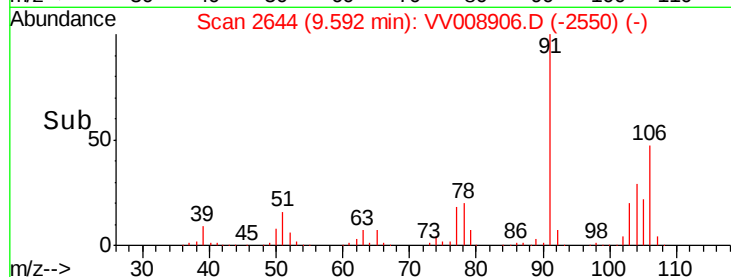
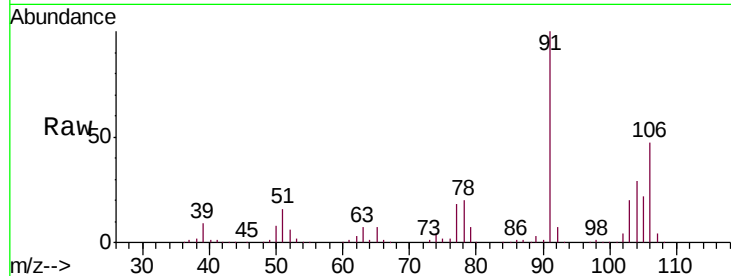




#54
o-xylene
Concen: 94.932 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

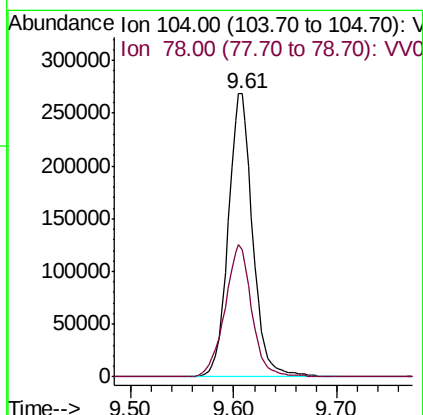
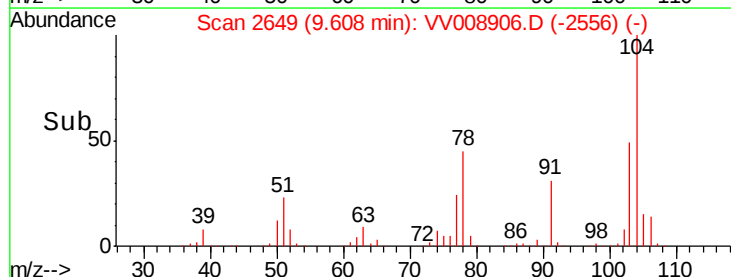
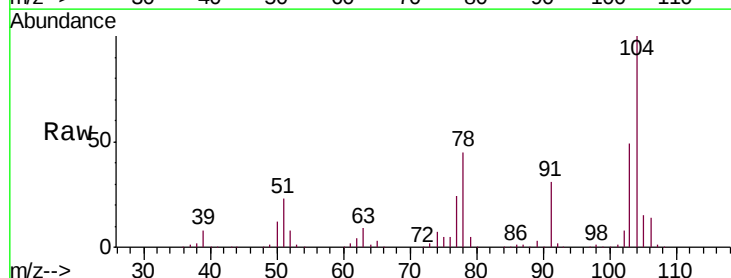
Instrument :
MSVOA_V
ClientSampleId :
VSTD10073

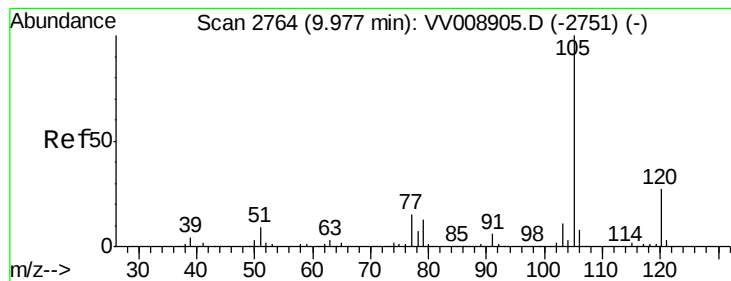
Tgt Ion:106 Resp: 259377
Ion Ratio Lower Upper
106 100
91 212.3 153.4 284.8



#55
Styrene
Concen: 97.176 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008906.D
Acq: 13 Dec 2018 13:12

Tgt Ion:104 Resp: 441801
Ion Ratio Lower Upper
104 100
78 45.0 31.6 58.6





#56

Isopropylbenzene

Concen: 97.013 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD10073

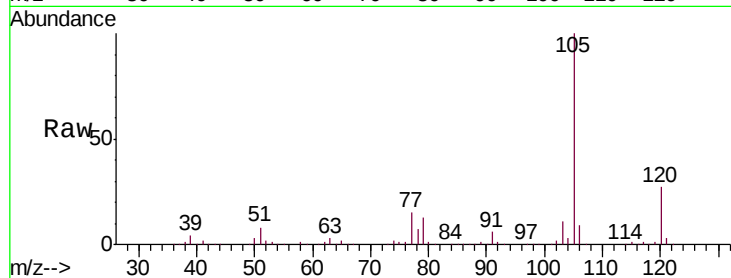
Tgt Ion: 105 Resp: 697178

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

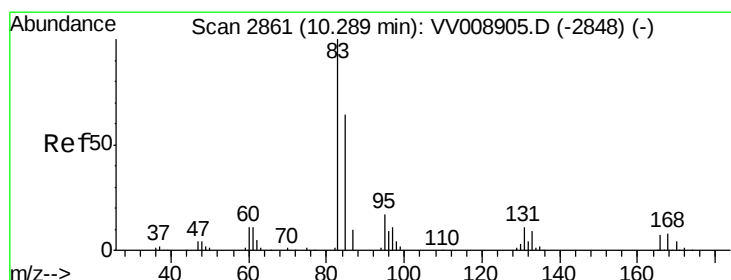
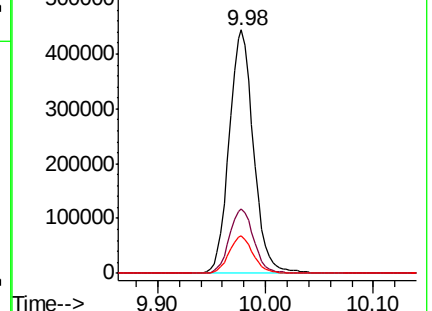
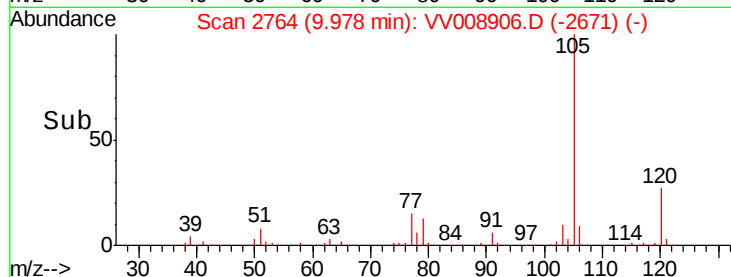
77 15.1 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 81.638 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

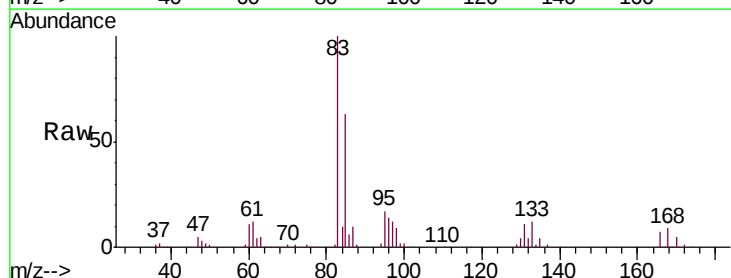
Tgt Ion: 83 Resp: 218888

Ion Ratio Lower Upper

83 100

85 62.7 45.3 84.1

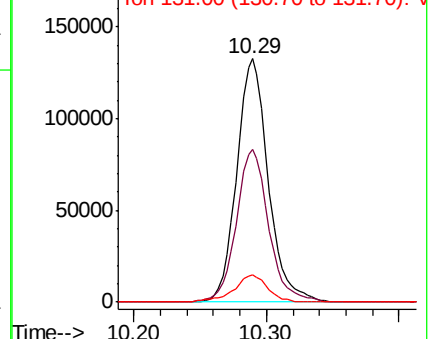
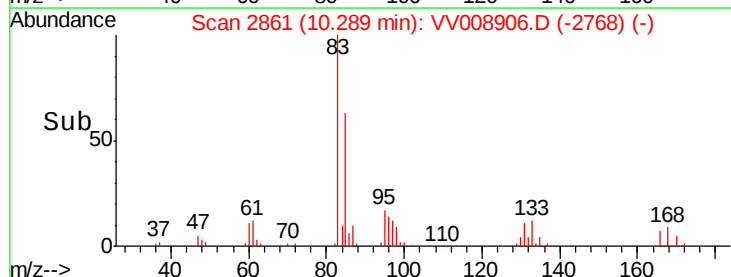
131 11.0 9.2 13.8

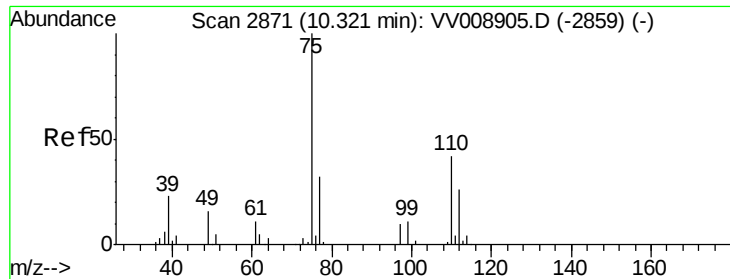


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

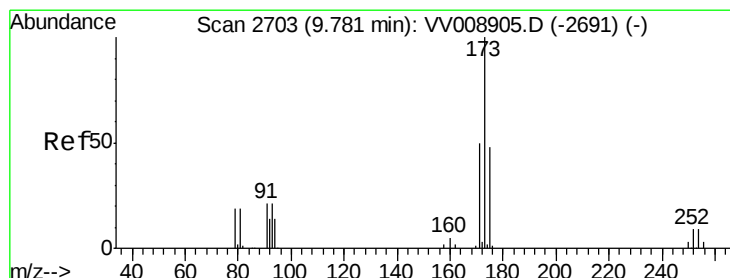
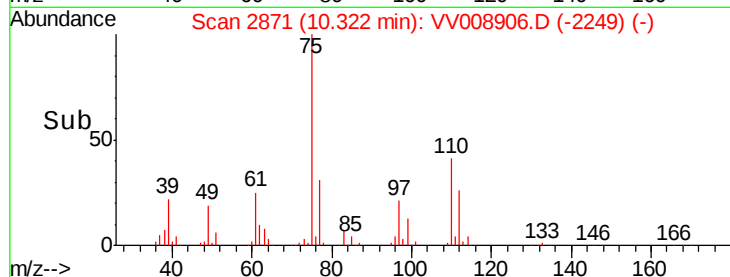
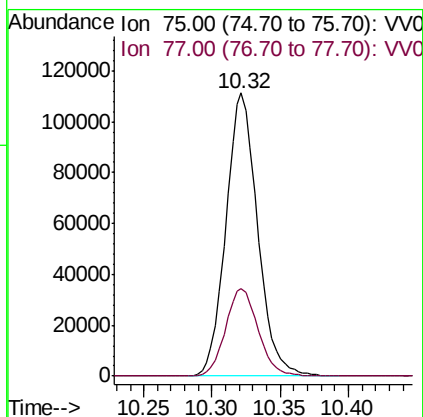
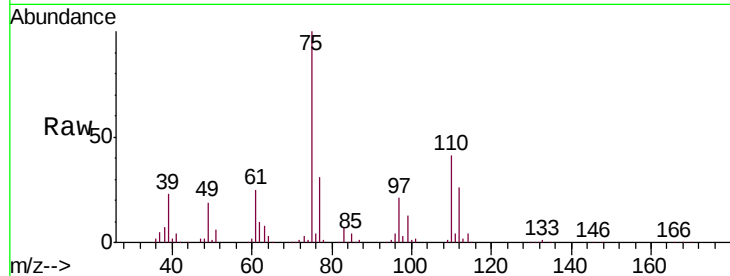




#59
 1,2,3-Trichloropropane
 Concen: 81.897 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

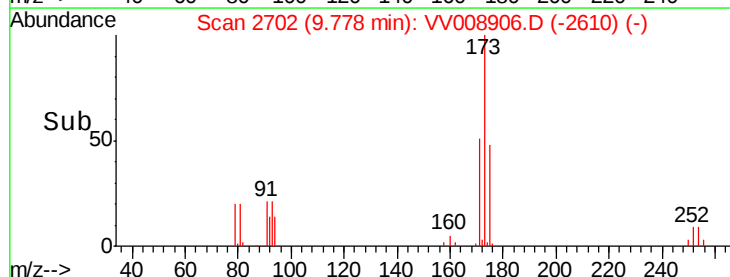
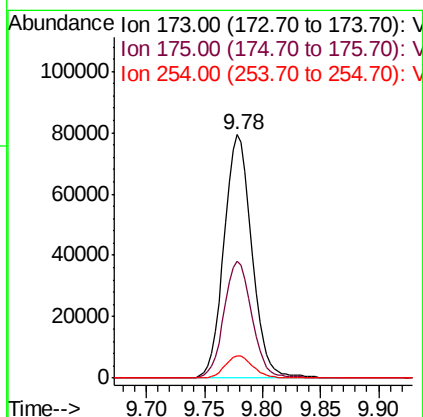
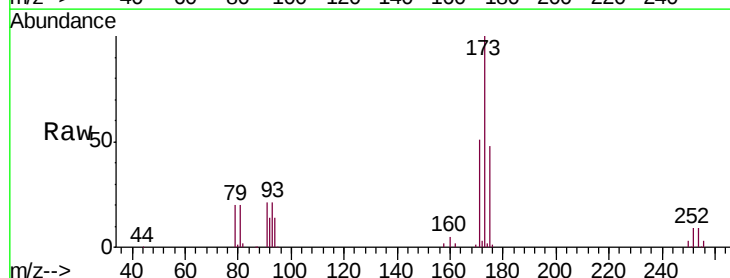
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10073

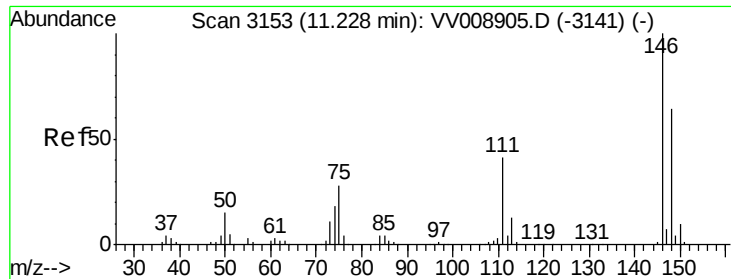
Tgt Ion: 75 Resp: 179663
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#61
 Bromoform
 Concen: 109.947 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 173 Resp: 131759
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.6 57.8
 254 9.1 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 93.442 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampled :

VSTD10073

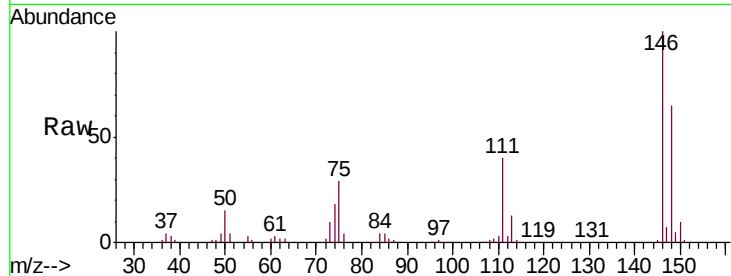
Tgt Ion:146 Resp: 328535

Ion Ratio Lower Upper

146 100

111 39.6 28.3 52.7

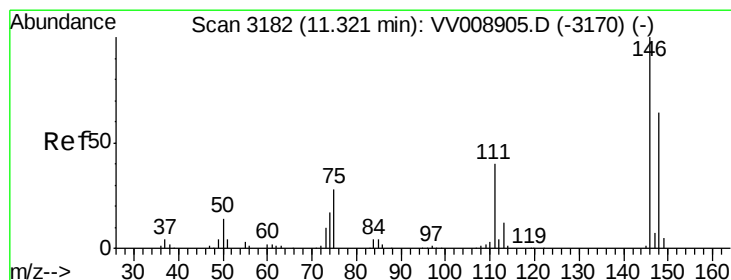
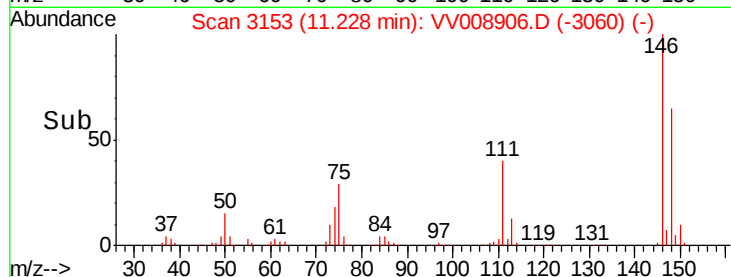
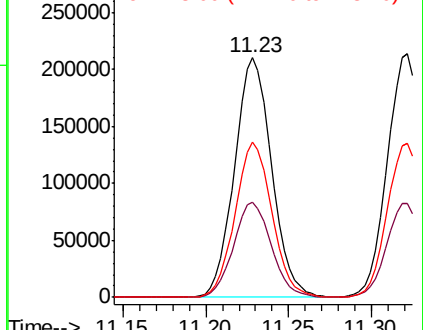
148 64.7 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 92.667 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

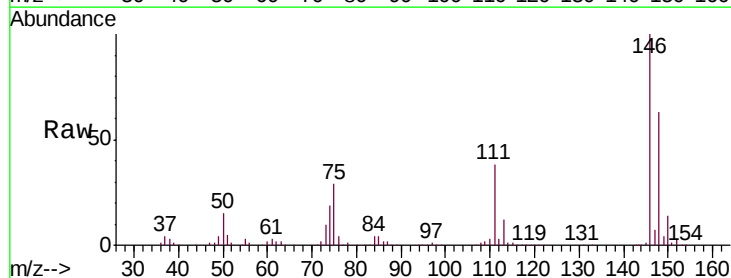
Tgt Ion:146 Resp: 331216

Ion Ratio Lower Upper

146 100

111 38.4 27.9 51.9

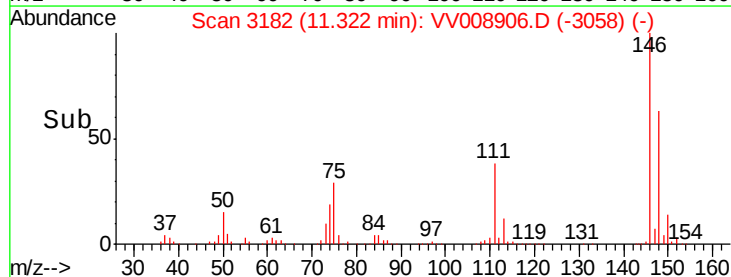
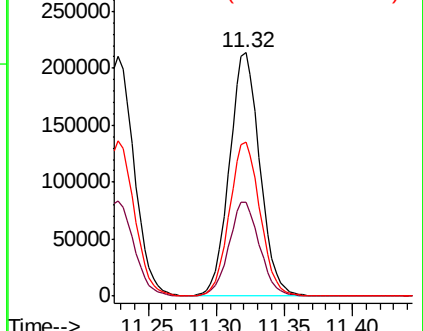
148 63.2 45.2 84.0

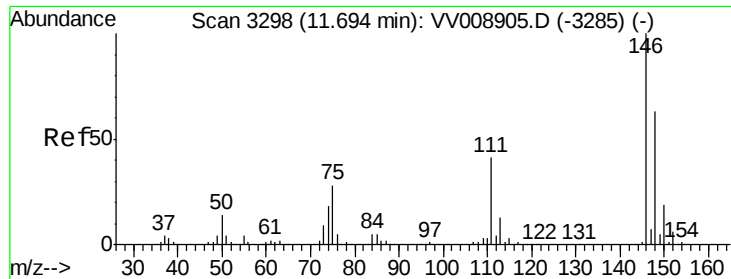


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 91.309 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampled :

VSTD10073

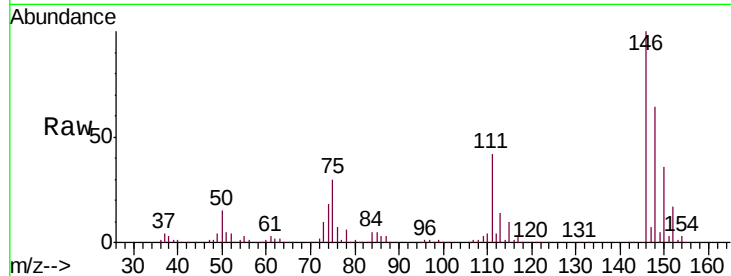
Tgt Ion: 146 Resp: 331823

Ion Ratio Lower Upper

146 100

111 42.1 32.8 49.2

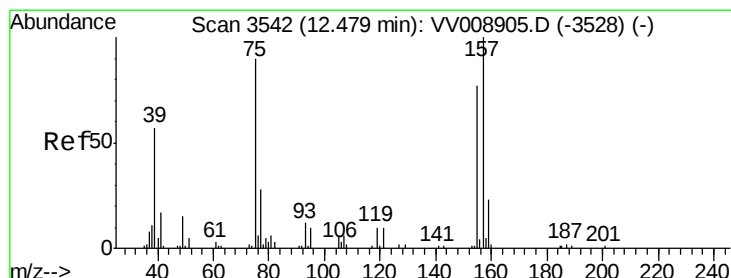
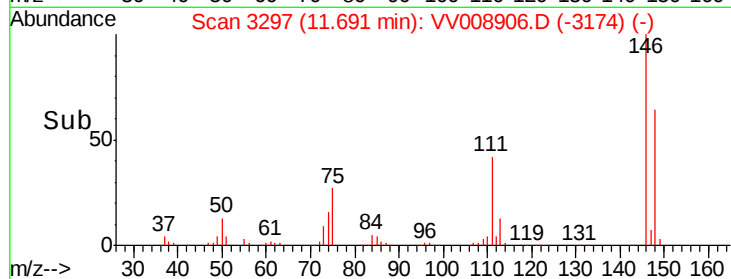
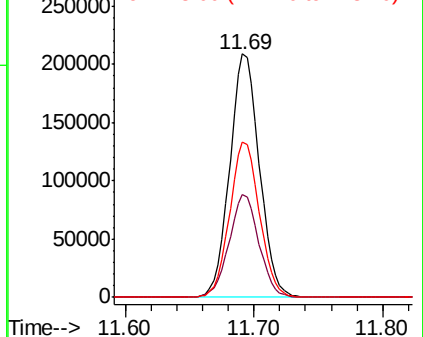
148 63.6 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): 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: 85.466 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

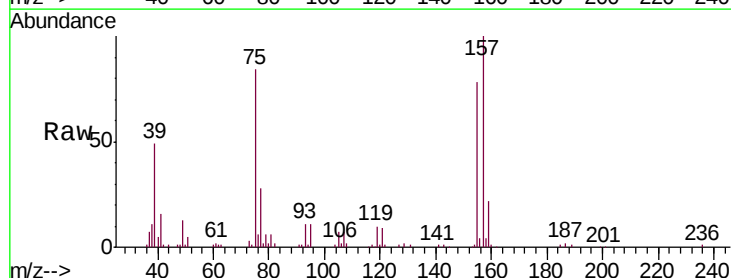
Tgt Ion: 75 Resp: 48723

Ion Ratio Lower Upper

75 100

155 92.6 68.6 102.8

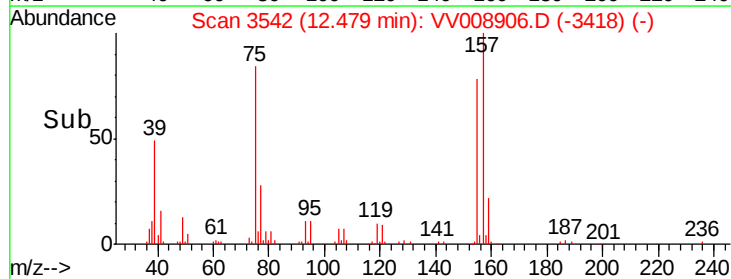
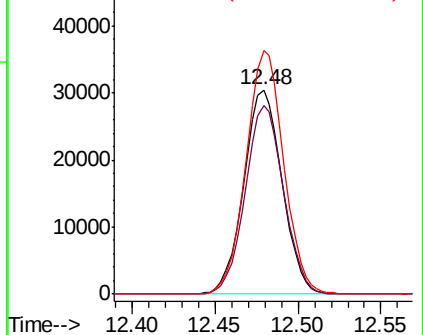
157 119.2 89.4 134.0

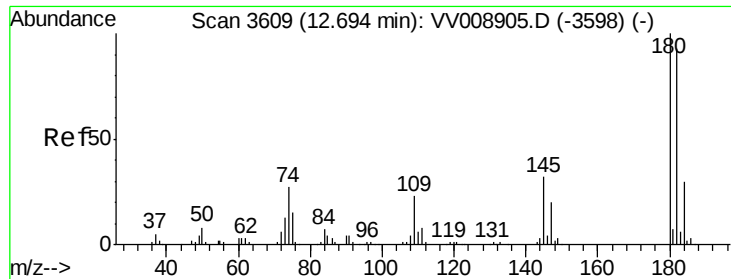


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

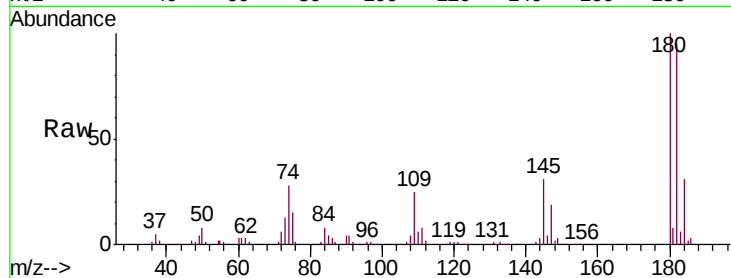




#67
 1,3,5-Trichlorobenzene
 Concen: 99.723 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10073

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.4	113.0
184	30.4	24.2	36.2
145	30.9	25.0	37.4



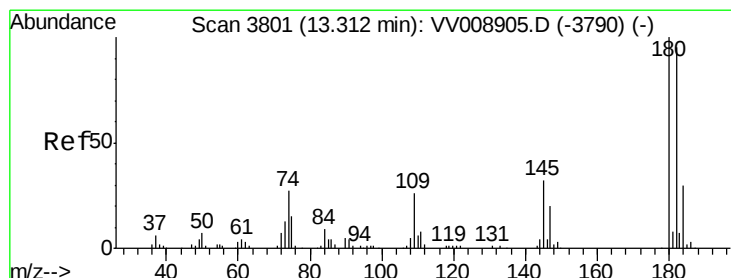
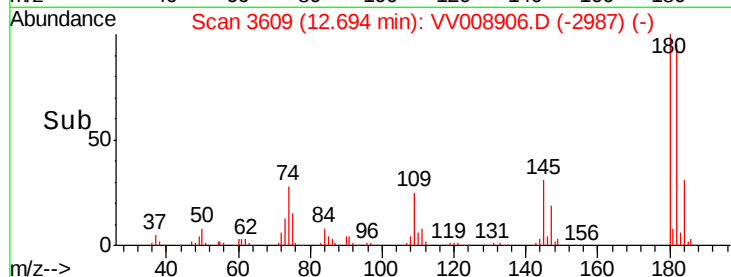
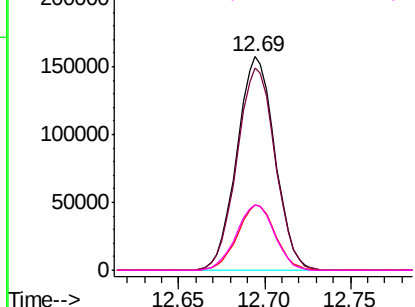
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

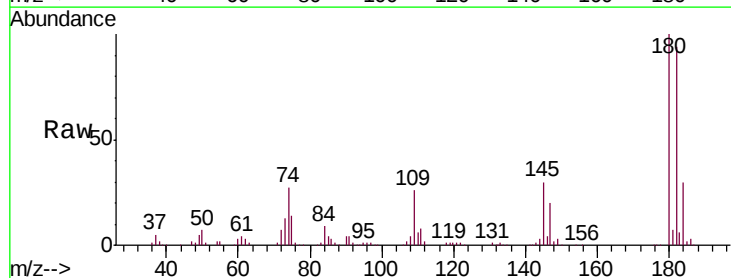
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 109.262 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008906.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.7	113.5
145	30.8	25.0	37.4

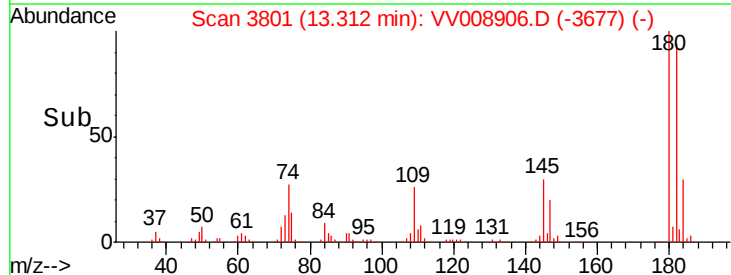
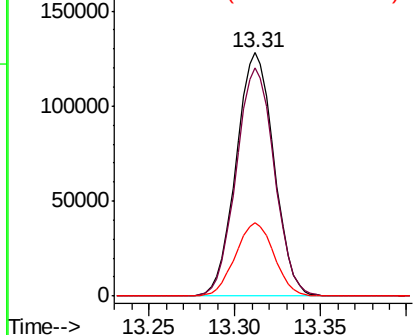


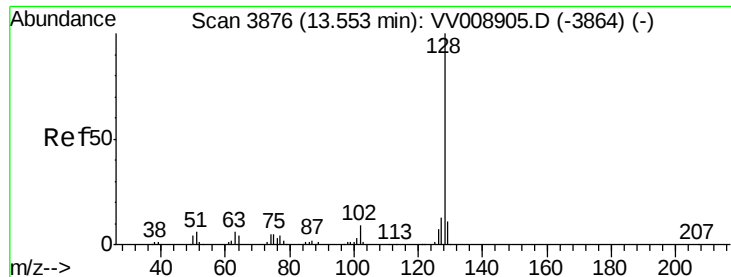
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 95.361 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD10073

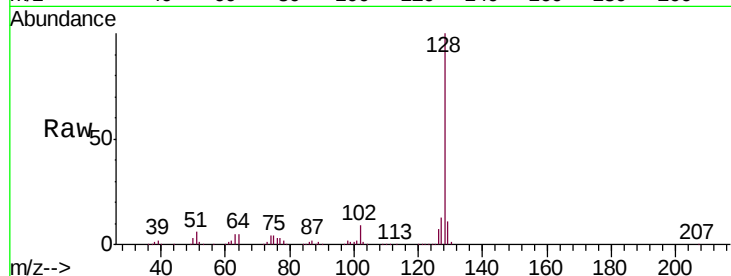
Tgt Ion:128 Resp: 467228

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

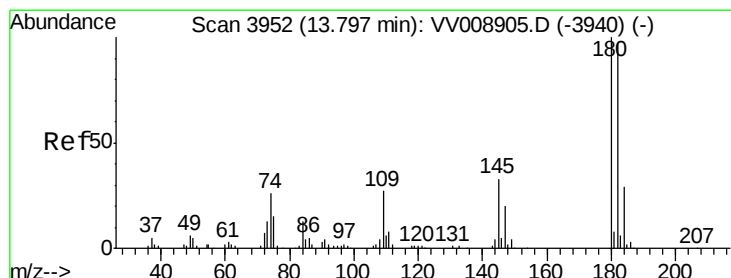
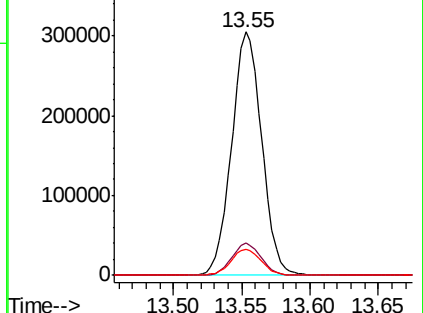
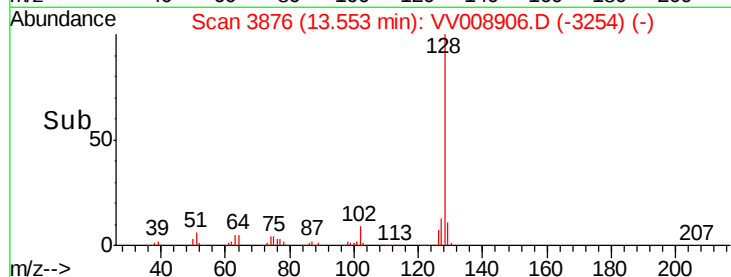
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 105.176 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV008906.D

Acq: 13 Dec 2018 13:12

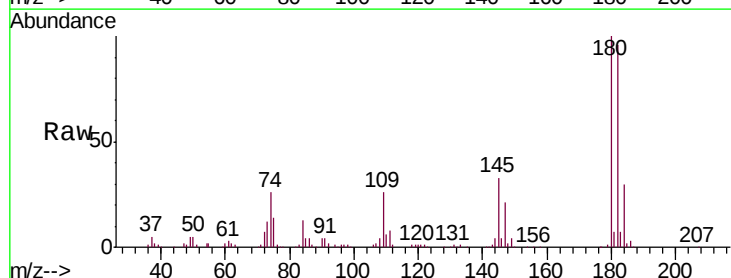
Tgt Ion:180 Resp: 193777

Ion Ratio Lower Upper

180 100

182 96.2 76.6 115.0

145 32.8 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

