

Data File : VW004030.D
Acq On : 18 Jul 2018 13:29
Operator : VA/AP
Sample : VSTD10085
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Quant Time: Jul 18 13:51:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 18 13:23:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	342966	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	314831	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	161574	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	257670	62.49	ug/L	0.00
7) Chloroethane-d5	2.89	69	205360	63.52	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	688985	78.02	ug/L	0.00
20) 2-Butanone-d5	7.09	46	401929	280.20	ug/L	0.00
24) Chloroform-d	7.65	84	680182	77.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	406085	77.59	ug/L	0.00
29) Benzene-d6	8.27	84	1240266	77.10	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	421920	80.32	ug/L	0.00
37) Toluene-d8	10.33	98	1144187	75.73	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	197103	82.74	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	300221	297.17	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	480339	100.41	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	441846	76.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	282793	192.768 ug/L	# 87
3) Chloromethane	2.21	50	318694	96.875 ug/L	97
5) Vinyl chloride	2.36	62	491190	98.228 ug/L	99
6) Bromomethane	2.77	94	269275	98.698 ug/L	99
8) Chloroethane	2.92	64	264904	88.986 ug/L	97
9) Trichlorofluoromethane	3.25	101	215957	80.644 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	446569	104.645 ug/L	98
12) 1,1-Dichloroethene	4.03	96	437410	104.301 ug/L	96
13) Acetone	4.12	43	401506	277.217 ug/L	99
14) Carbon disulfide	4.37	76	1406621	103.528 ug/L	99
15) Methyl Acetate	4.67	43	359643	134.770 ug/L	99
16) Methylene chloride	4.91	84	437493	89.275 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	891629	110.453 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	454774	101.450 ug/L	96
19) 1,1-Dichloroethane	6.21	63	837148	99.039 ug/L	100
21) 2-Butanone	7.18	43	535475	303.107 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	488065	102.263 ug/L	97
23) Bromochloromethane	7.51	128	215492	98.215 ug/L	97
25) Chloroform	7.68	83	828521	95.435 ug/L	99
27) 1,2-Dichloroethane	8.40	62	609611	97.418 ug/L	98
30) Cyclohexane	7.96	56	857924	118.303 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	666936	96.310 ug/L	99
32) Carbon tetrachloride	8.07	117	669869	102.213 ug/L	100
34) Benzene	8.32	78	1858959	100.958 ug/L	100
35) Trichloroethene	9.09	95	494911	100.354 ug/L	100
36) Methylcyclohexane	9.34	83	921766	110.874 ug/L	98
40) 1,2-Dichloropropane	9.37	63	487814	99.572 ug/L	100
41) Bromodichloromethane	9.65	83	614018	99.118 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	769810	106.142 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	999611	293.350 ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1990637	101.114	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	695541	105.536	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	378471	104.046	ug/L	99
47) Tetrachloroethene	10.87	164	399343	99.529	ug/L	95
49) 2-Hexanone	10.98	43	762005	295.325	ug/L	98
50) Dibromochloromethane	11.13	129	449333	103.660	ug/L	97
51) 1,2-Dibromoethane	11.24	107	383934	108.343	ug/L	99
52) Chlorobenzene	11.66	112	1229482	95.736	ug/L	99
53) Ethylbenzene	11.74	91	2230823	100.022	ug/L	99
54) m,p-Xylene	11.85	106	811916	99.001	ug/L	99
55) o-xylene	12.17	106	804129	104.099	ug/L	100
56) Styrene	12.19	104	1377835	102.819	ug/L	100
57) Isopropylbenzene	12.47	105	2221312	103.508	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	544694	114.057	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	424965	116.519	ug/L	100
62) Bromoform	12.35	173	298352	110.422	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	951733	95.158	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	974292	92.045	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	894465	92.721	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	106041	124.210	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	725262	92.792	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	614837	97.167	ug/L	99
69) Naphthalene	15.38	128	1569859	123.120	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	571021	97.114	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

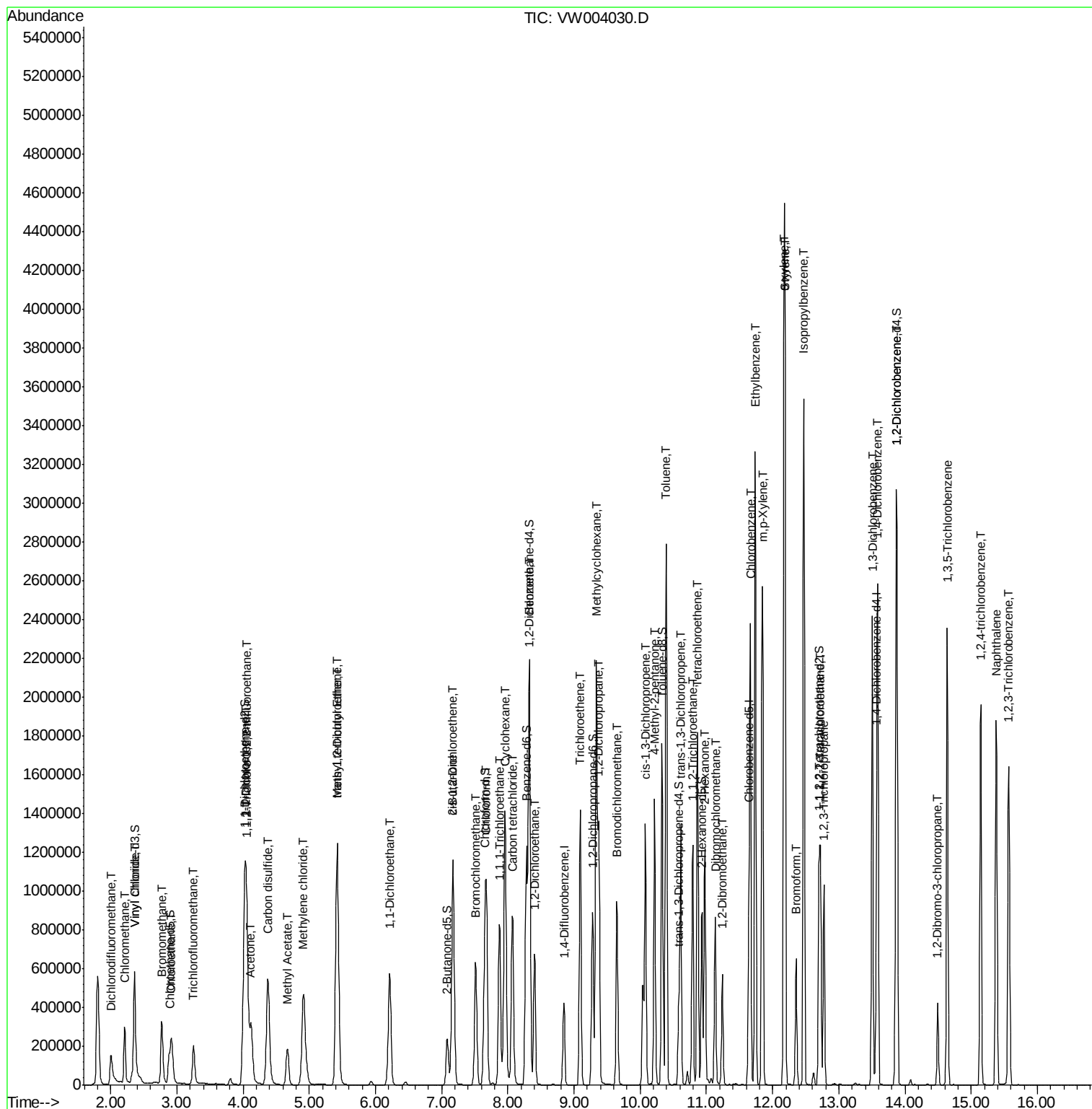
Quant Time: Jul 18 13:51:28 2018

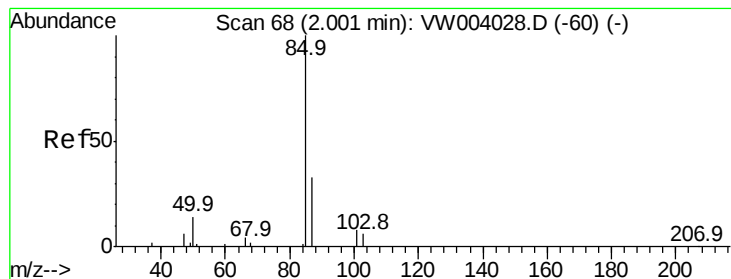
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M

Quant Title : VOC Analysis

QLast Update : Wed Jul 18 13:23:08 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 192.768 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

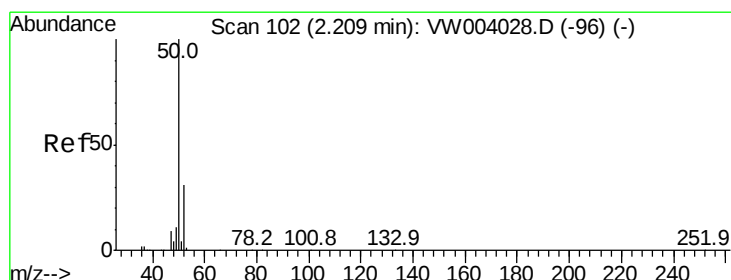
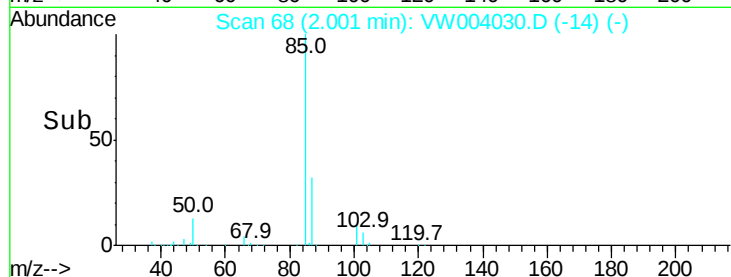
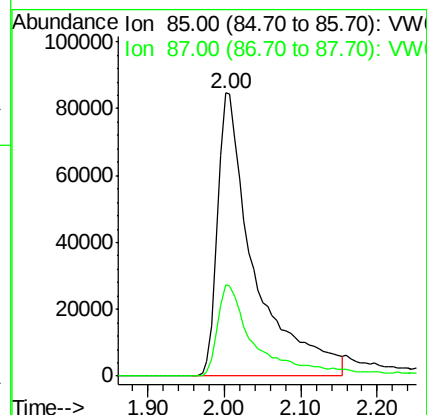
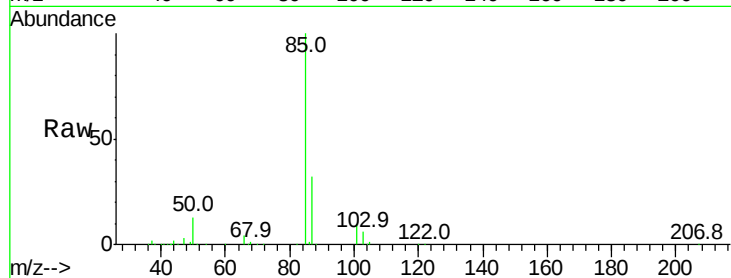
VSTD10085

Tgt Ion: 85 Resp: 282793

Ion Ratio Lower Upper

85 100

87 29.7 0.1 0.1#



#3

Chloromethane

Concen: 96.875 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004030.D

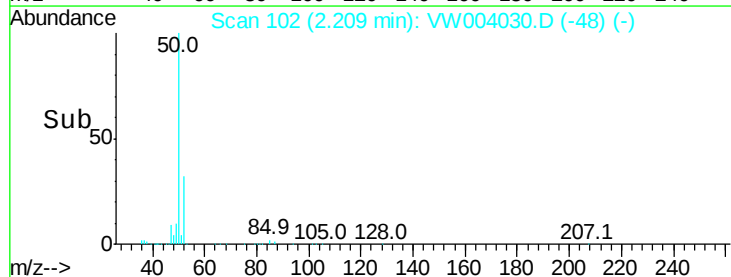
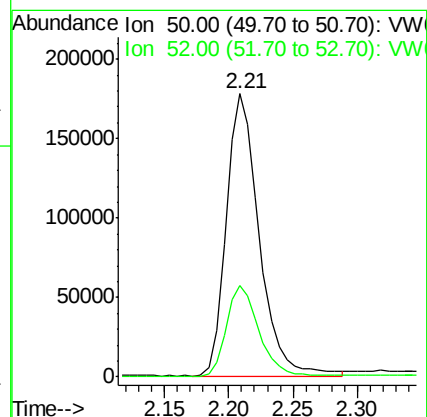
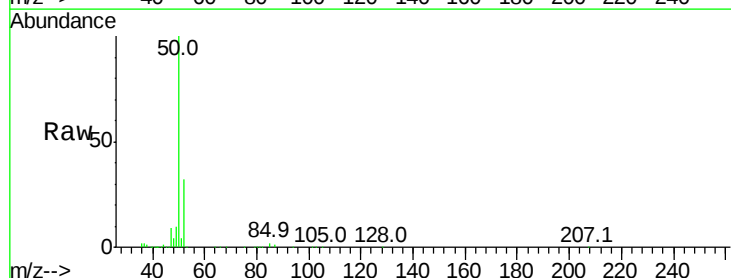
Acq: 18 Jul 2018 13:29

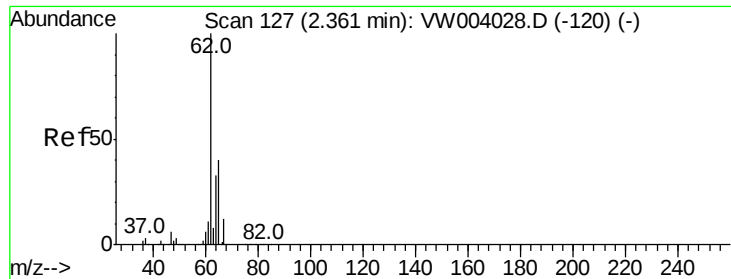
Tgt Ion: 50 Resp: 318694

Ion Ratio Lower Upper

50 100

52 32.2 21.3 39.6





#5

Vinyl chloride

Concen: 98.228 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

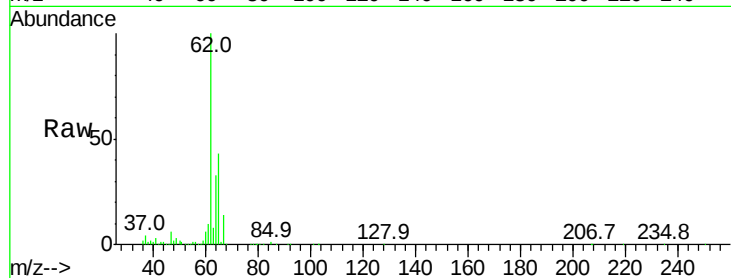
VSTD10085

Tgt Ion: 62 Resp: 491190

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

250000

200000

150000

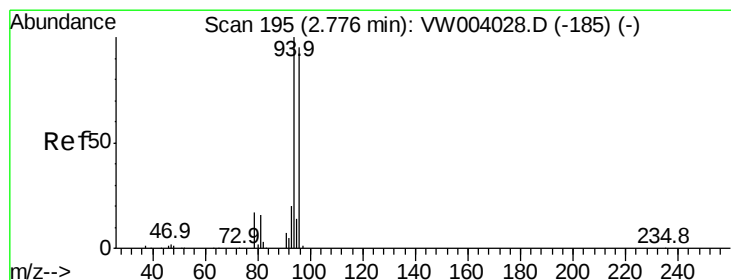
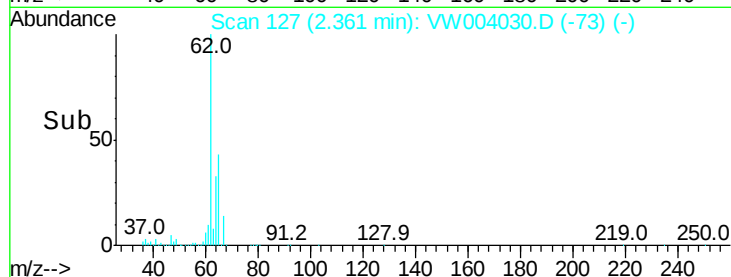
100000

50000

0

Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 98.698 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004030.D

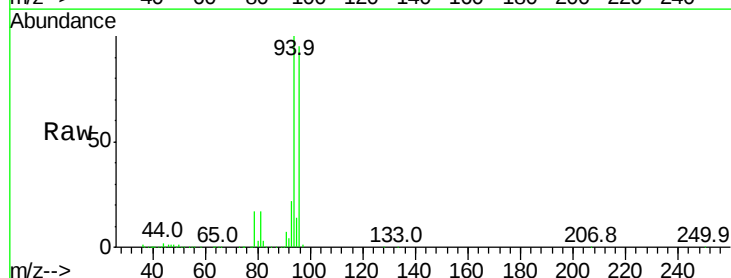
Acq: 18 Jul 2018 13:29

Tgt Ion: 94 Resp: 269275

Ion Ratio Lower Upper

94 100

96 94.2 9.5 179.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.77

120000

100000

80000

60000

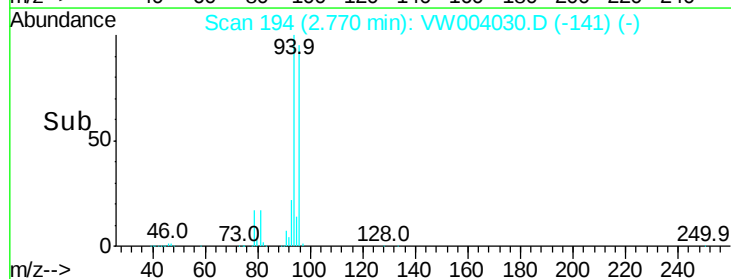
40000

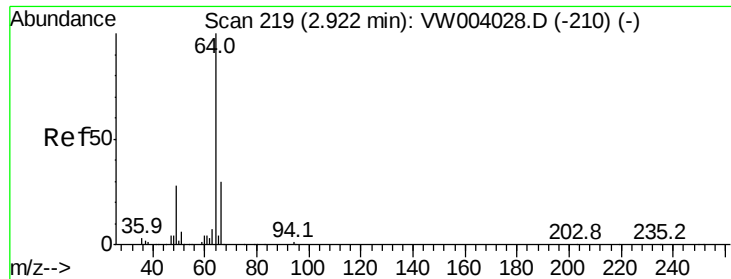
20000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 88.986 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

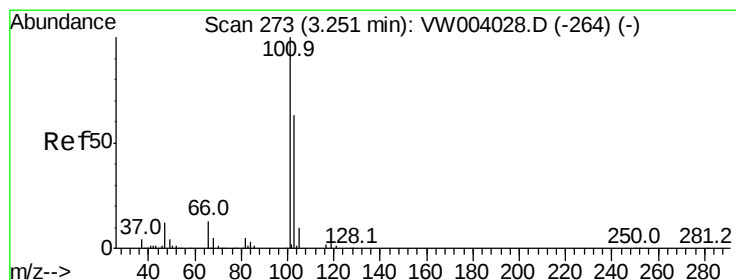
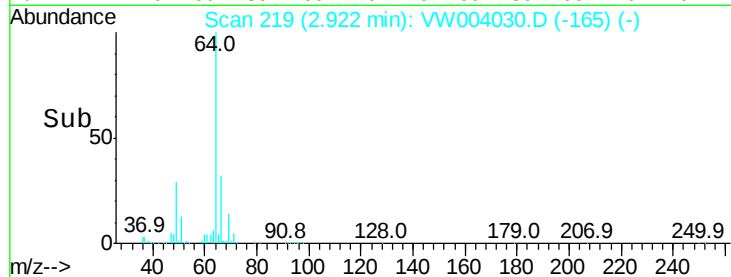
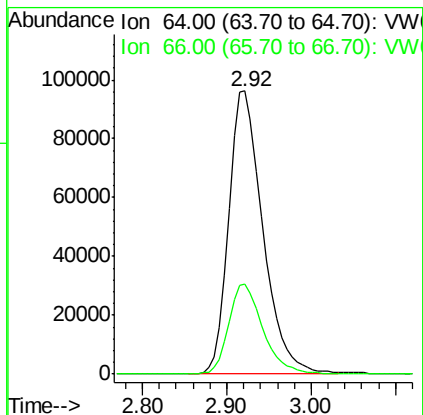
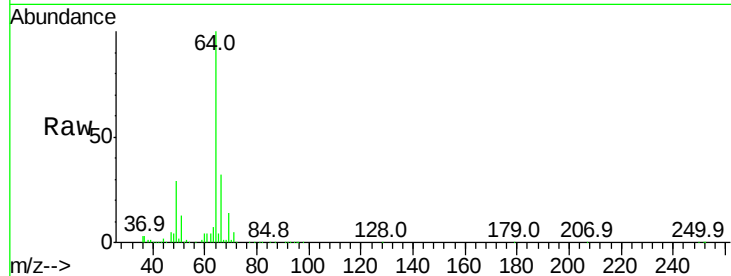
VSTD10085

Tgt Ion: 64 Resp: 264904

Ion Ratio Lower Upper

64 100

66 31.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 80.644 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004030.D

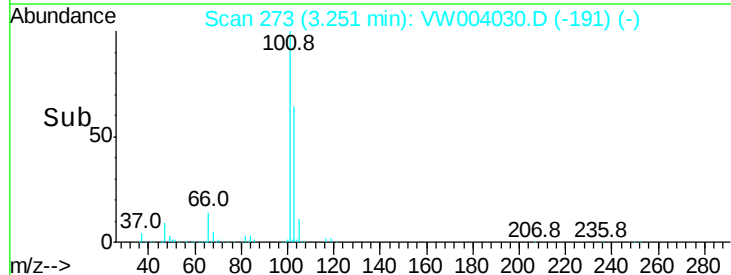
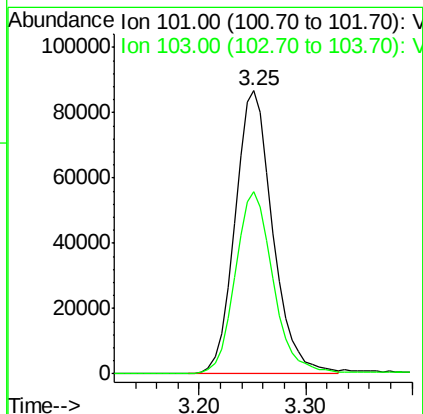
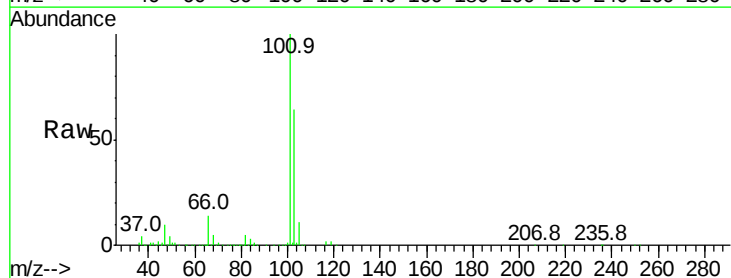
Acq: 18 Jul 2018 13:29

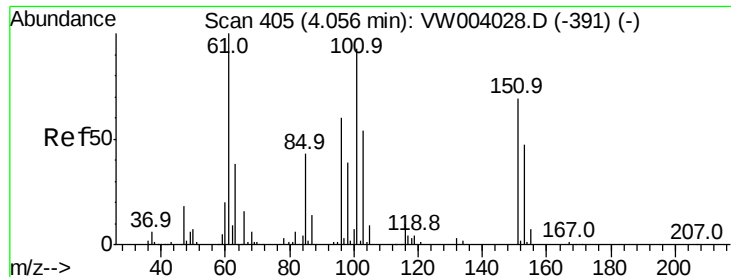
Tgt Ion: 101 Resp: 215957

Ion Ratio Lower Upper

101 100

103 64.8 45.6 84.8





#11

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

Concen: 104.645 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

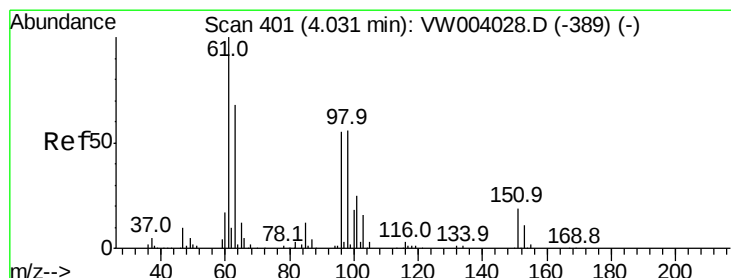
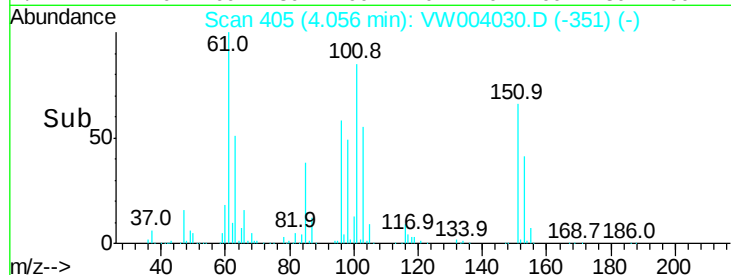
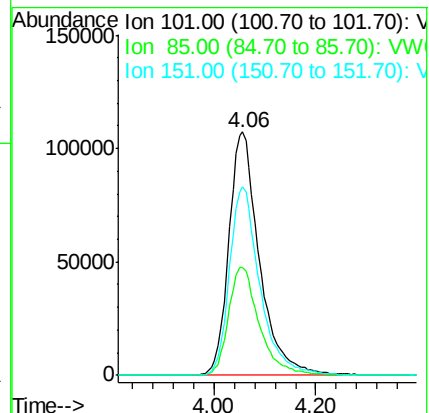
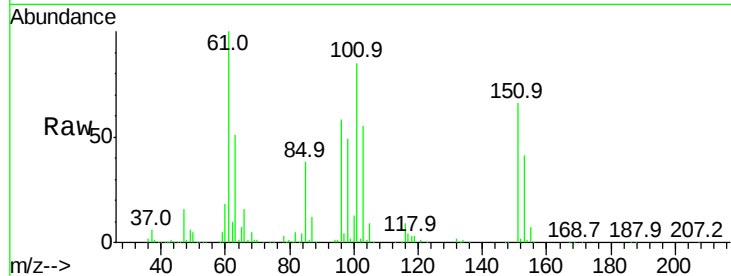
Tgt Ion:101 Resp: 446569

Ion Ratio Lower Upper

101 100

85 44.5 36.2 54.4

151 77.1 59.5 89.3



#12

1,1-Dichloroethene

Concen: 104.301 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

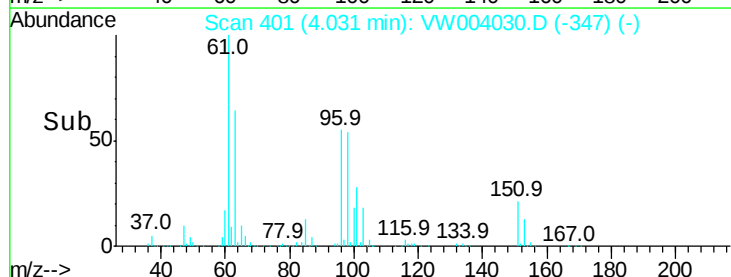
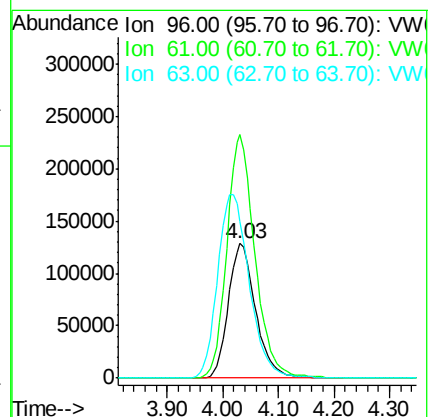
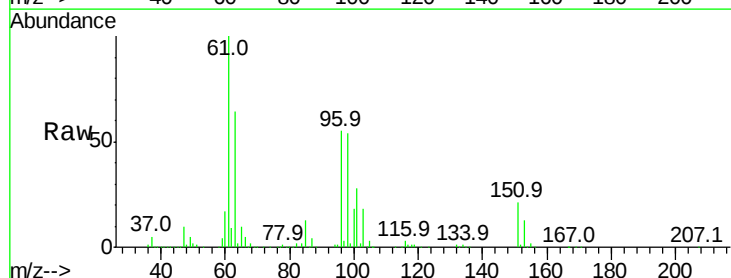
Tgt Ion: 96 Resp: 437410

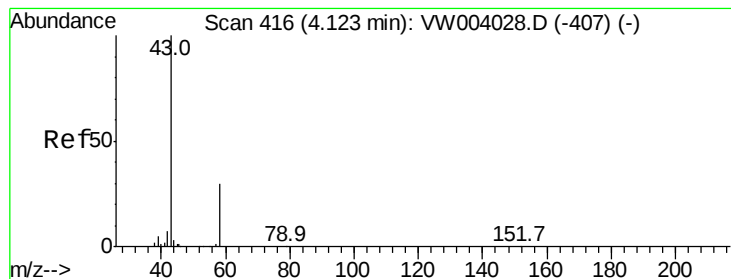
Ion Ratio Lower Upper

96 100

61 181.3 127.3 236.5

63 116.1 88.5 164.4





#13

Acetone

Concen: 277.217 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

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ClientSampleId :

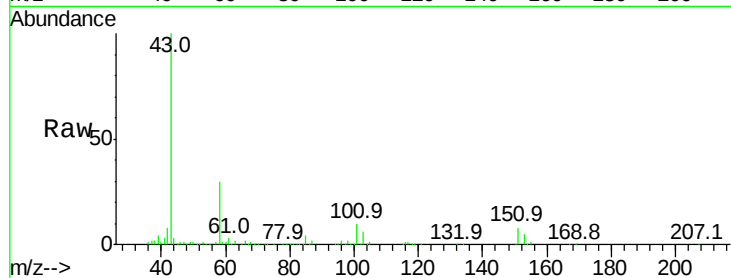
VSTD10085

Tgt Ion: 43 Resp: 401506

Ion Ratio Lower Upper

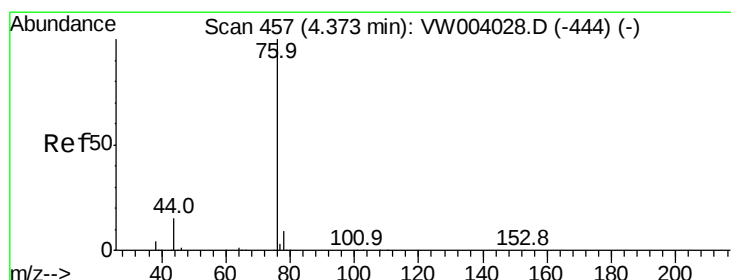
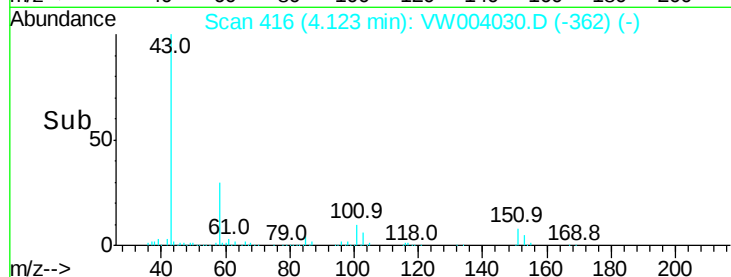
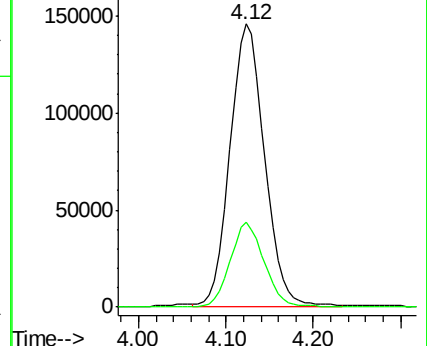
43 100

58 29.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 103.528 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004030.D

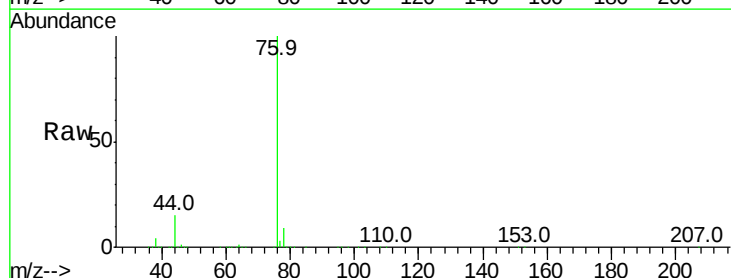
Acq: 18 Jul 2018 13:29

Tgt Ion: 76 Resp: 1406621

Ion Ratio Lower Upper

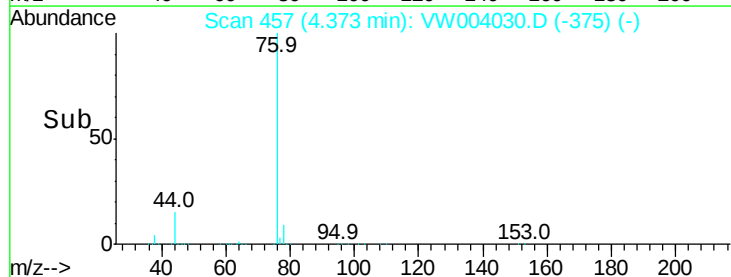
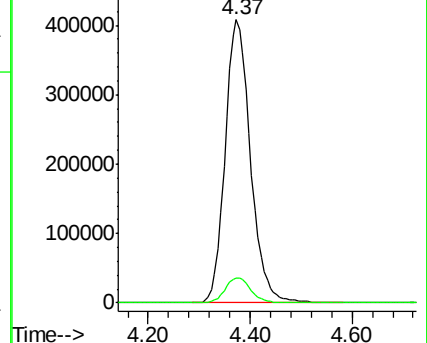
76 100

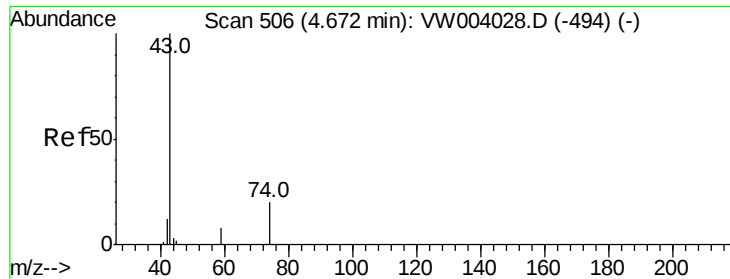
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

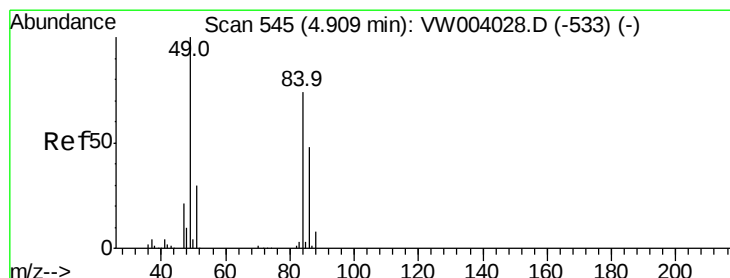
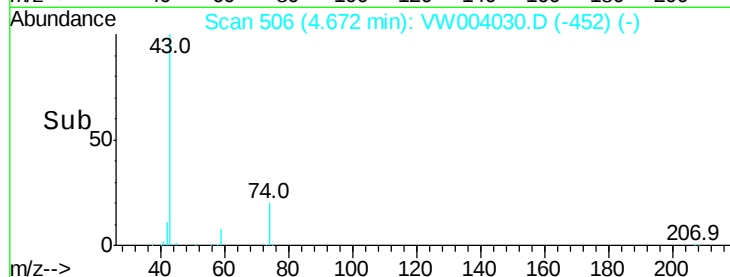
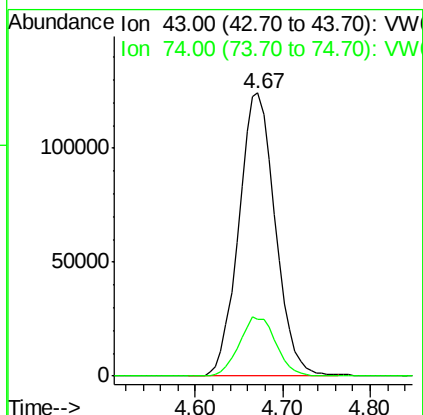
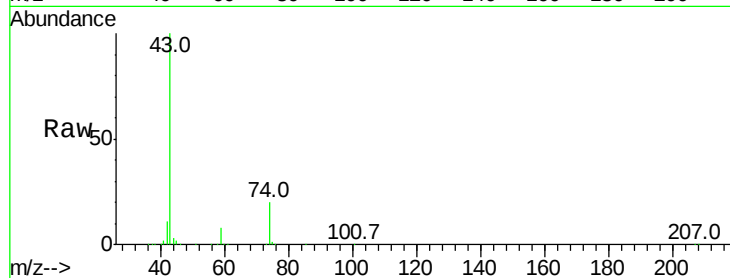




#15
Methyl Acetate
Concen: 134.770 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004030.D
Acq: 18 Jul 2018 13:29

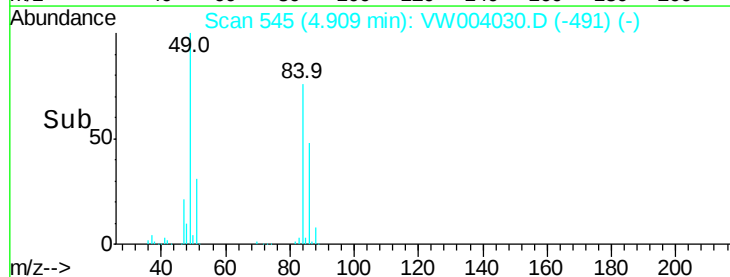
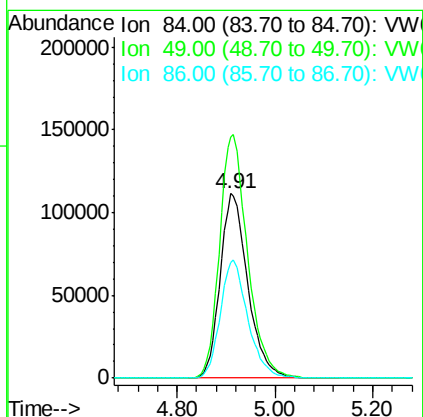
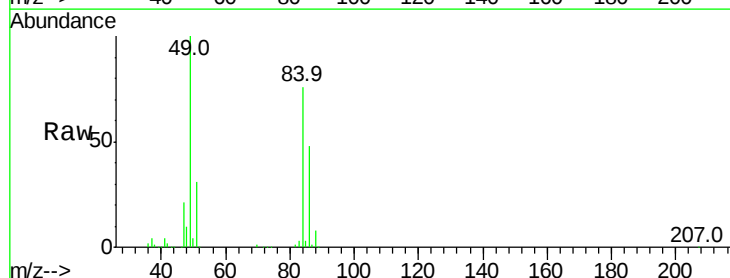
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

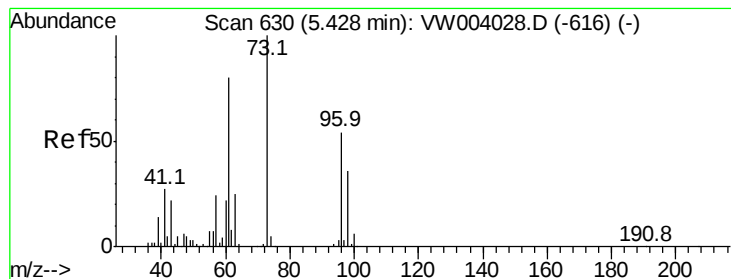
Tgt Ion: 43 Resp: 359643
Ion Ratio Lower Upper
43 100
74 21.2 16.6 24.8



#16
Methylene chloride
Concen: 89.275 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004030.D
Acq: 18 Jul 2018 13:29

Tgt Ion: 84 Resp: 437493
Ion Ratio Lower Upper
84 100
49 130.9 94.2 175.0
86 62.7 45.1 83.9





#17

Methyl tert-butyl Ether

Concen: 110.453 ug/L

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampled :

VSTD10085

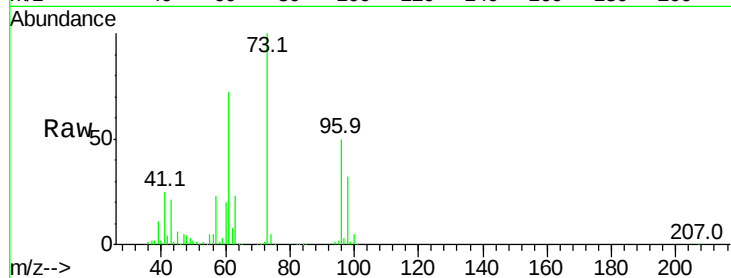
Tgt Ion: 73 Resp: 891629

Ion Ratio Lower Upper

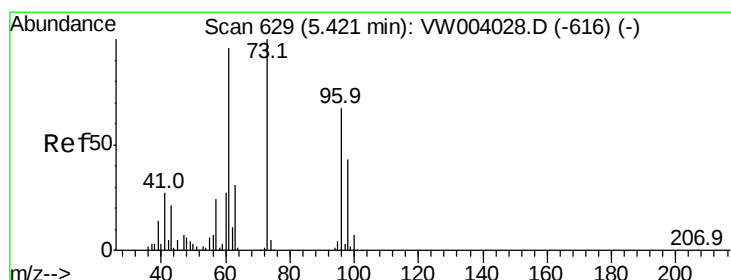
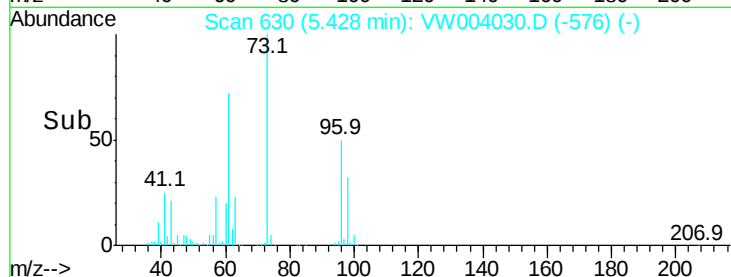
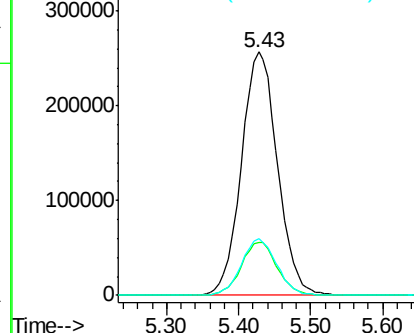
73 100

43 21.7 18.1 27.1

57 22.9 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 101.450 ug/L

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

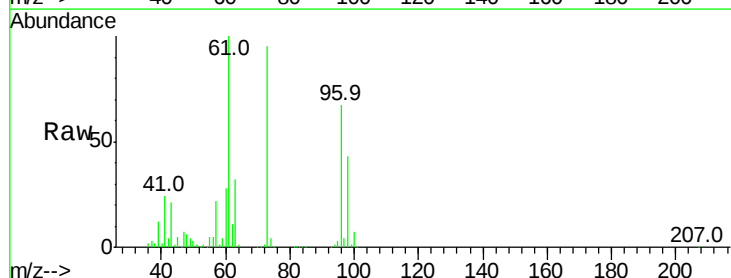
Tgt Ion: 96 Resp: 454774

Ion Ratio Lower Upper

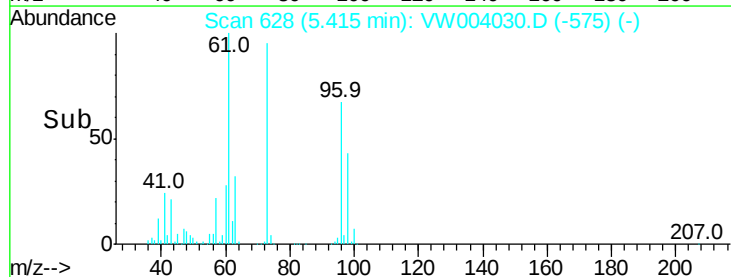
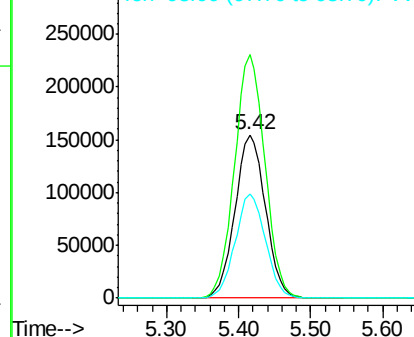
96 100

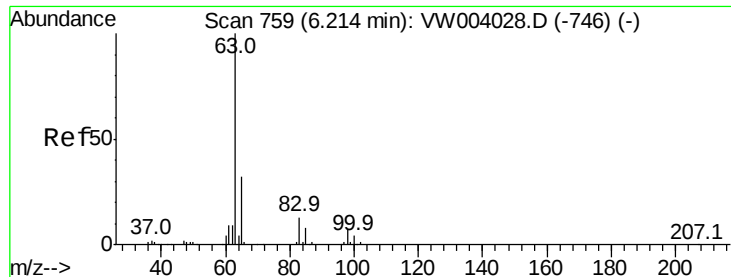
61 149.4 99.8 185.4

98 63.7 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

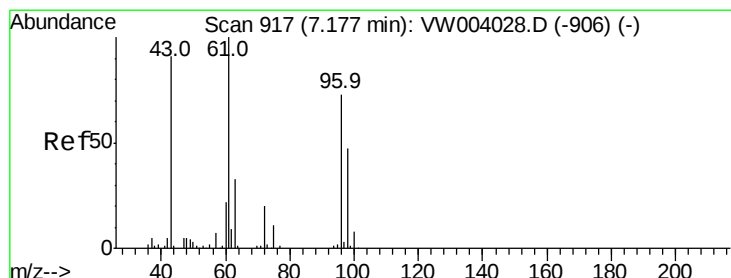
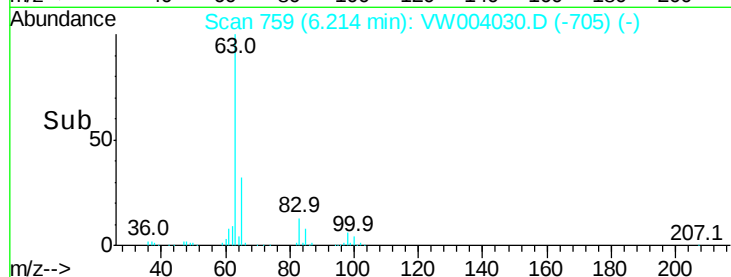
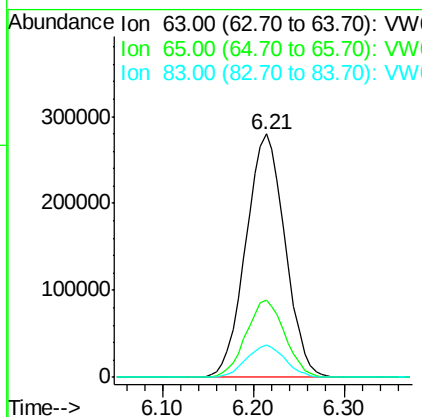
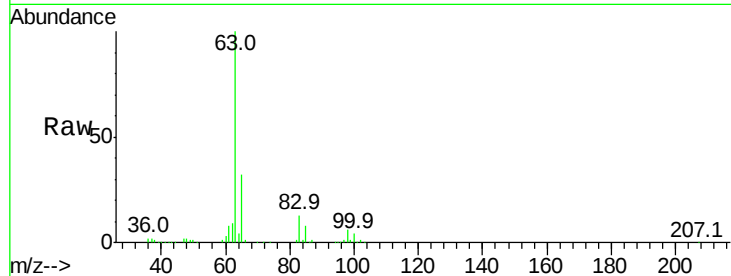




#19
 1,1-Dichloroethane
 Concen: 99.039 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

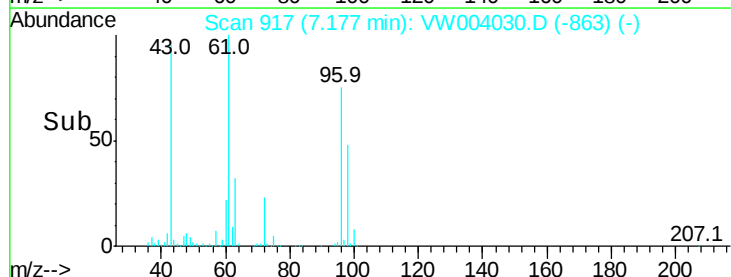
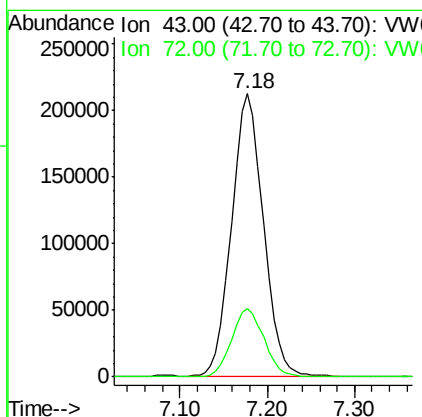
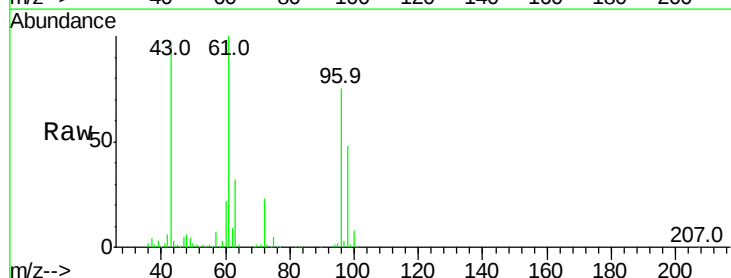
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

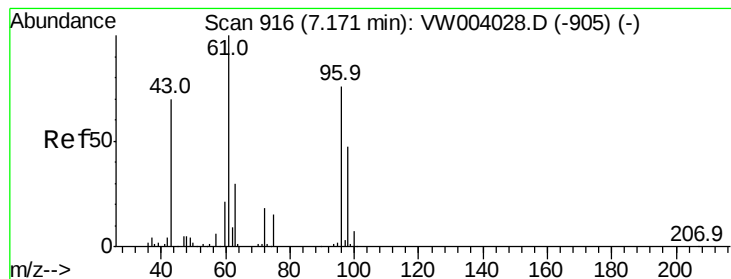
Tgt Ion: 63 Resp: 837148
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 13.3 9.2 17.2



#21
 2-Butanone
 Concen: 303.107 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion: 43 Resp: 535475
 Ion Ratio Lower Upper
 43 100
 72 24.7 12.1 36.3



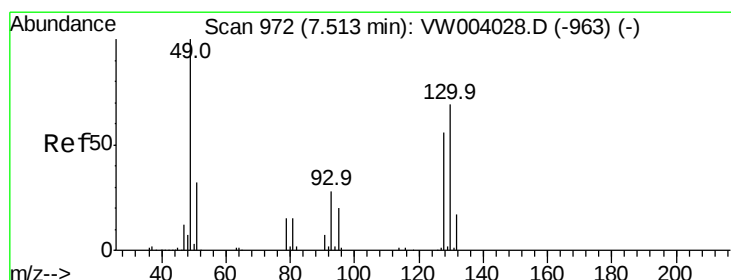
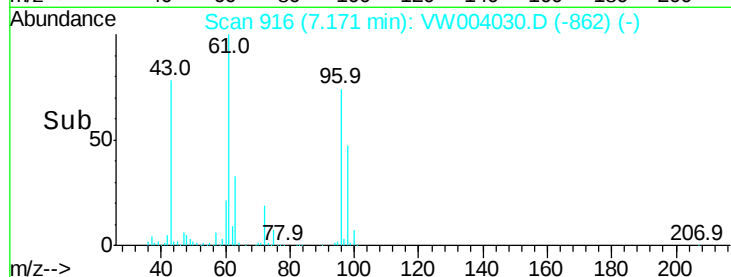
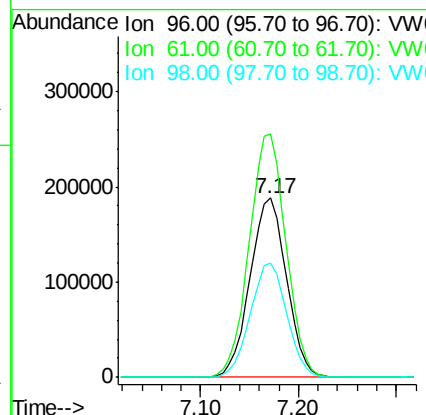
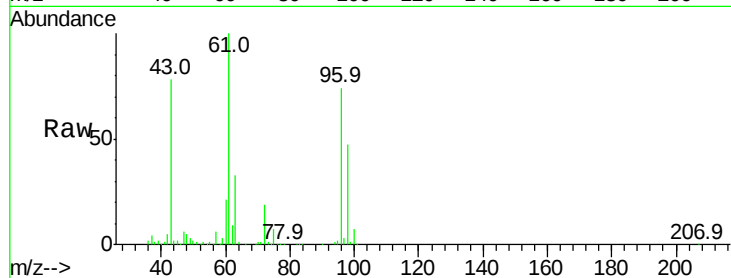


#22

cis-1,2-Dichloroethene
 Concen: 102.263 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

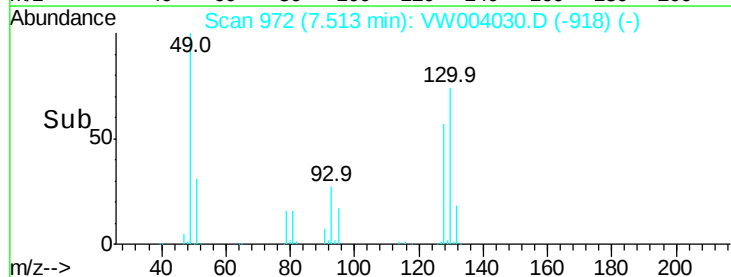
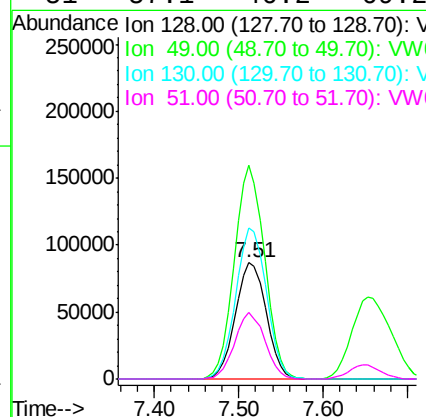
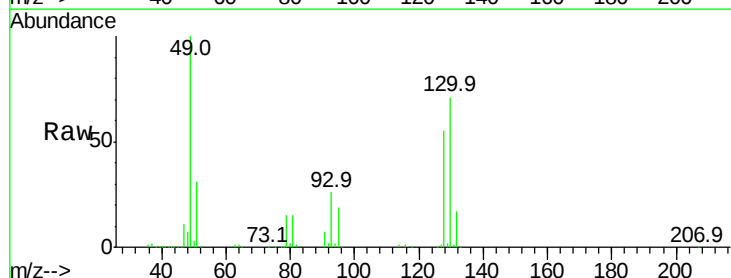
Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	92.5	171.9
98	64.0	43.0	80.0

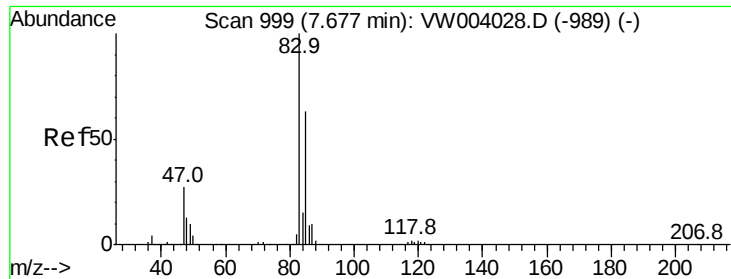


#23

Bromochloromethane
 Concen: 98.215 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
128	100		
49	183.5	126.4	234.8
130	130.0	87.8	163.0
51	57.1	46.2	69.2





#25

Chloroform

Concen: 95.435 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

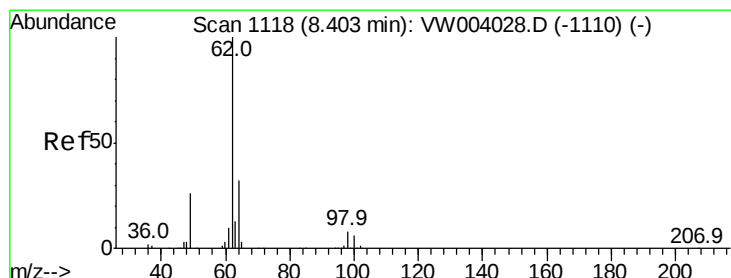
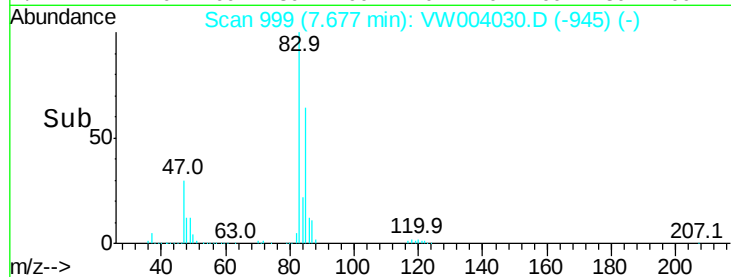
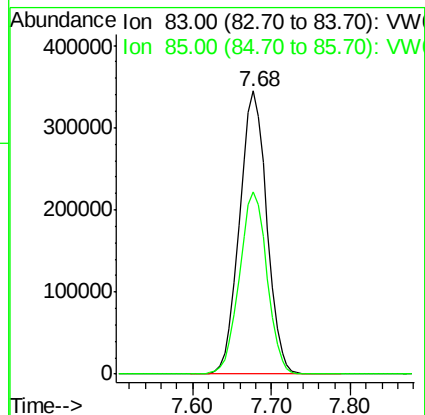
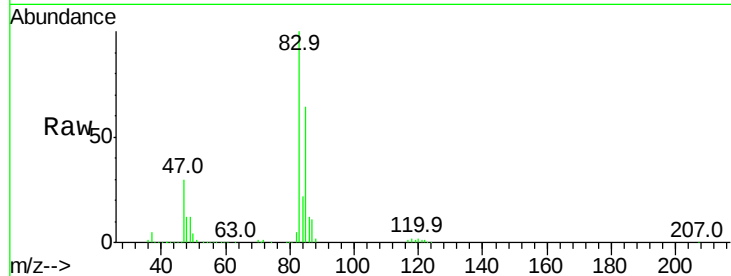
VSTD10085

Tgt Ion: 83 Resp: 828521

Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 97.418 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004030.D

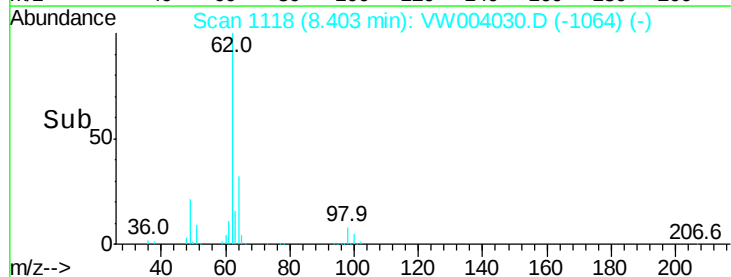
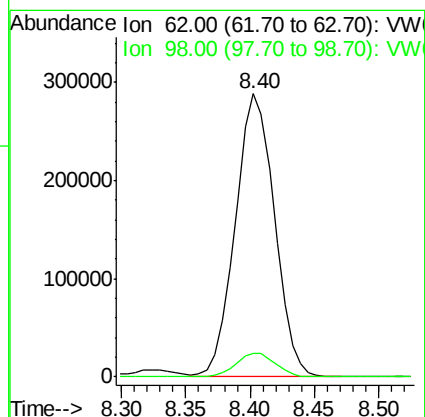
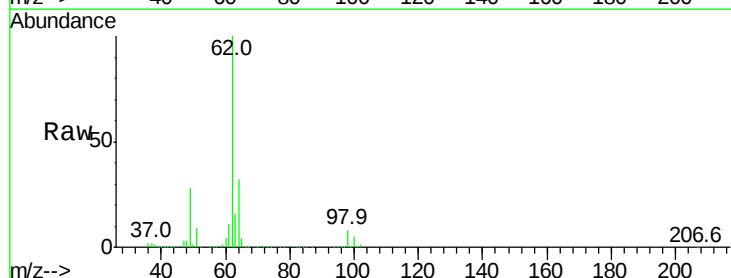
Acq: 18 Jul 2018 13:29

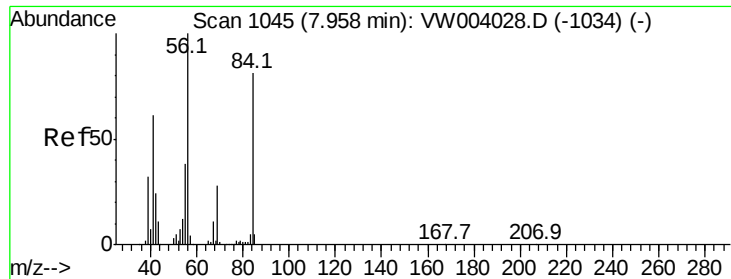
Tgt Ion: 62 Resp: 609611

Ion Ratio Lower Upper

62 100

98 8.4 6.2 9.4

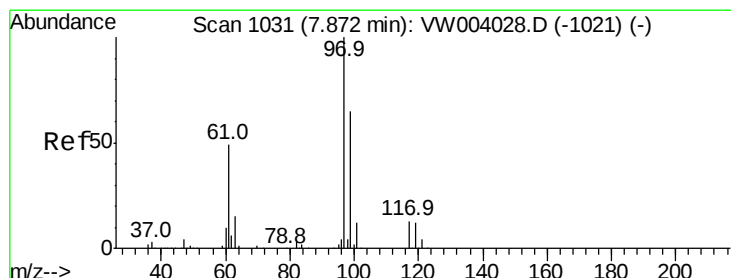
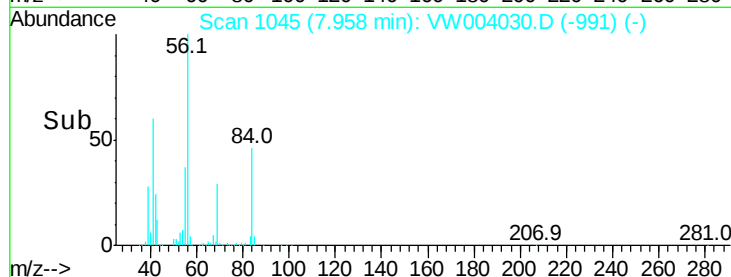
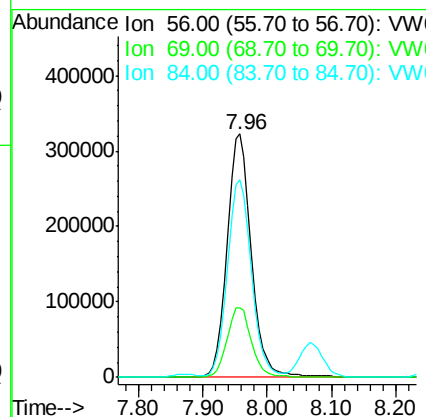
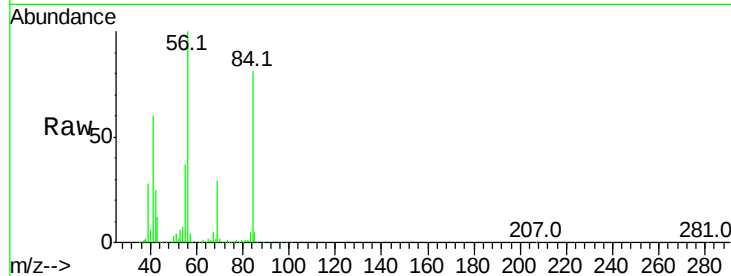




#30
Cyclohexane
Concen: 118.303 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004030.D
Acq: 18 Jul 2018 13:29

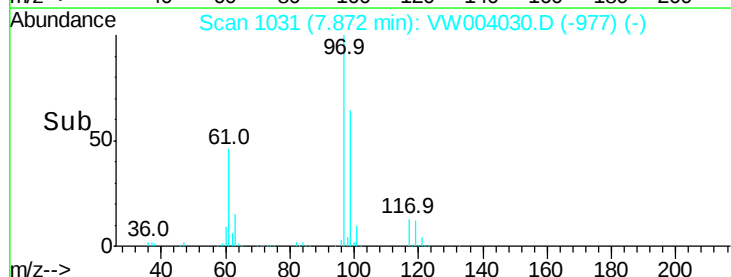
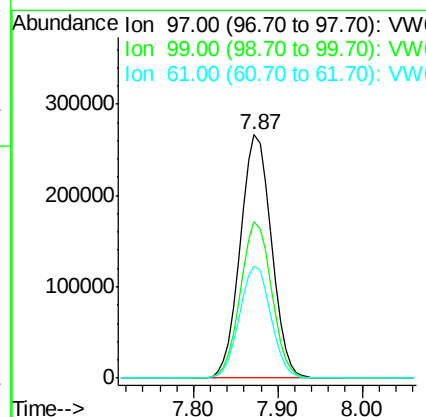
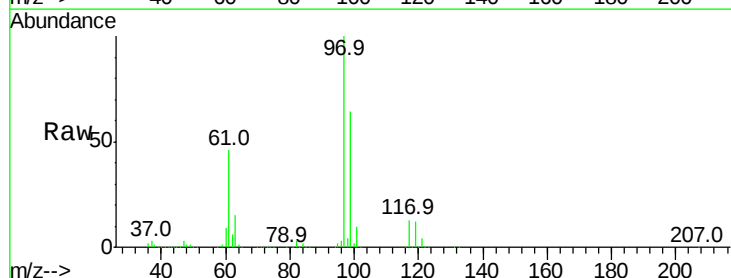
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

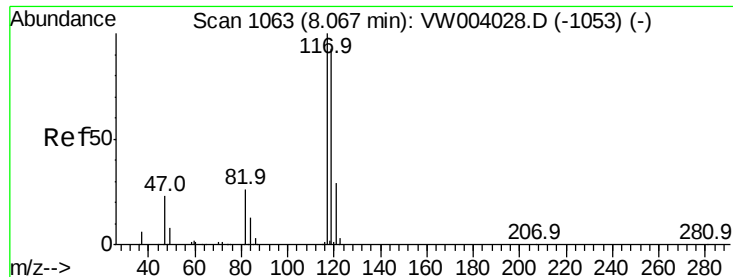
Tgt Ion: 56 Resp: 857924
Ion Ratio Lower Upper
56 100
69 29.3 22.8 34.2
84 80.6 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 96.310 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004030.D
Acq: 18 Jul 2018 13:29

Tgt Ion: 97 Resp: 666936
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 46.5 38.6 57.8





#32

Carbon tetrachloride

Concen: 102.213 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

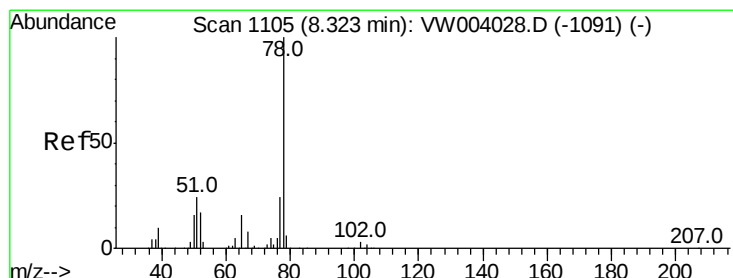
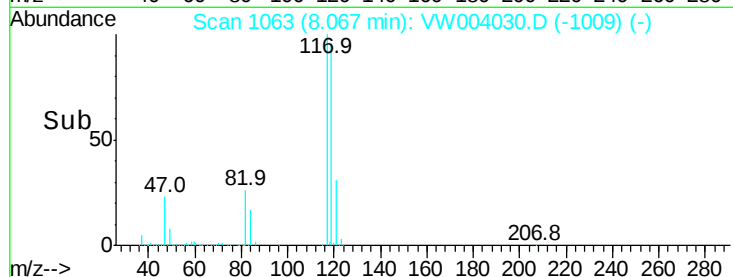
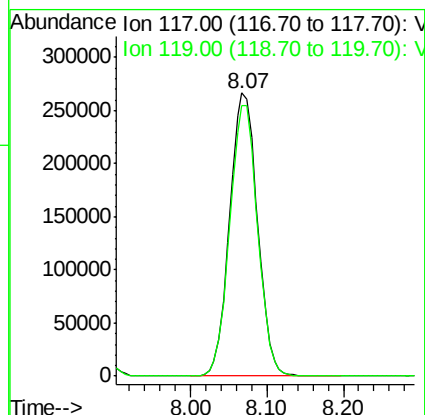
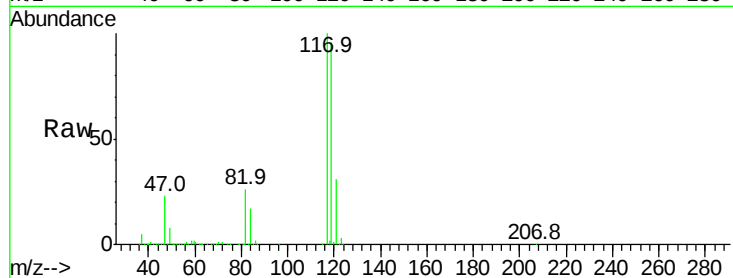
VSTD10085

Tgt Ion:117 Resp: 669869

Ion Ratio Lower Upper

117 100

119 95.8 76.4 114.6



#34

Benzene

Concen: 100.958 ug/L

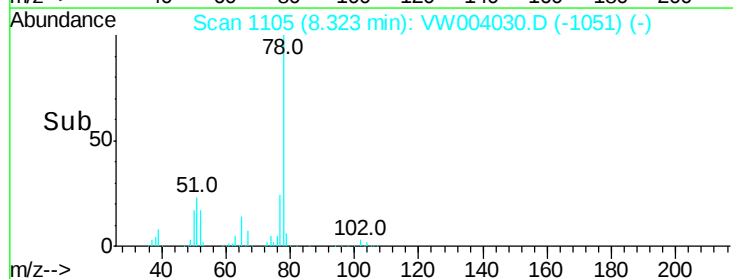
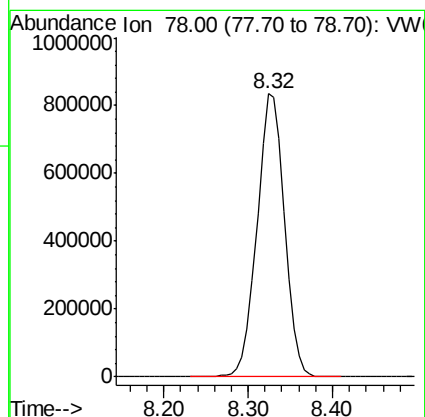
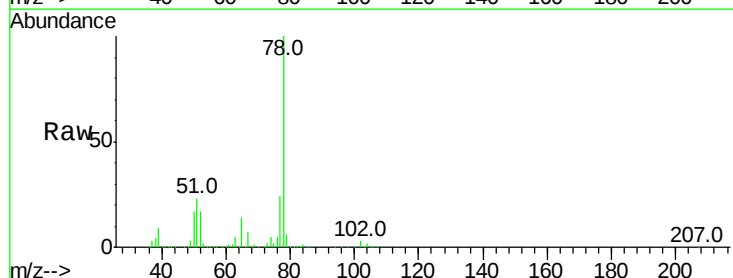
RT: 8.32 min Scan# 1105

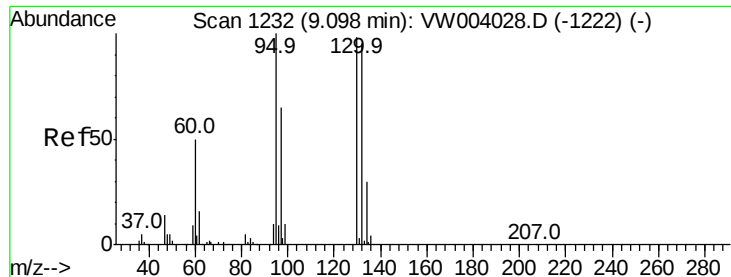
Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Tgt Ion: 78 Resp: 1858959

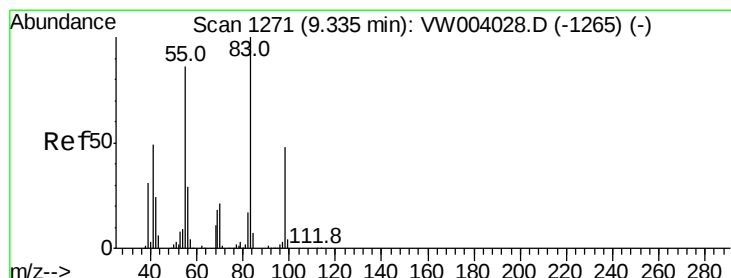
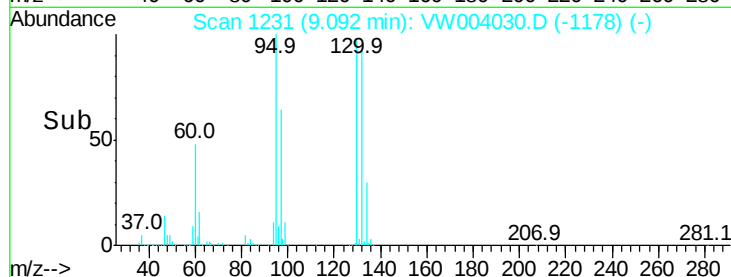
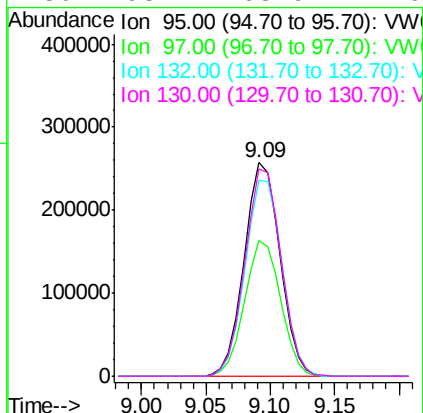
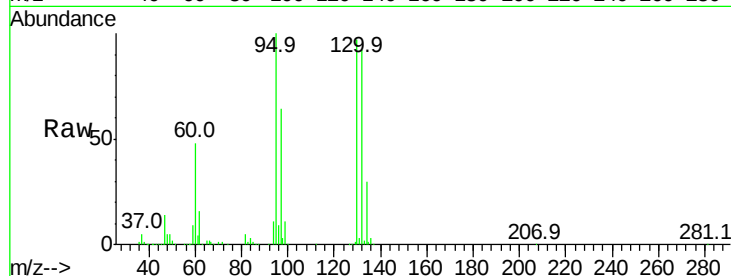




#35
 Trichloroethene
 Concen: 100.354 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

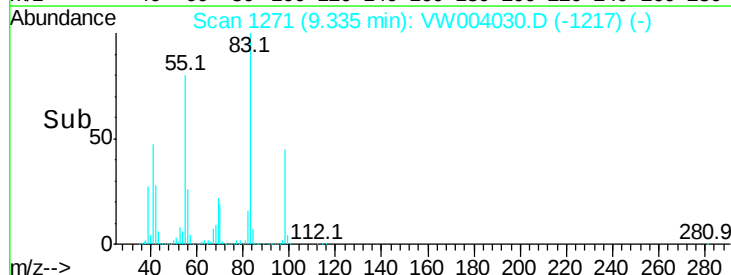
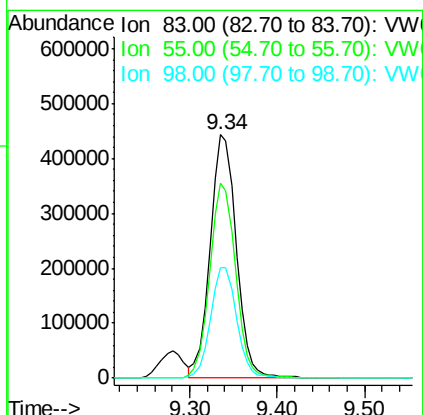
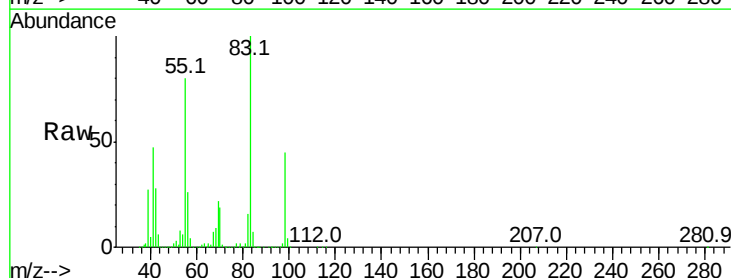
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

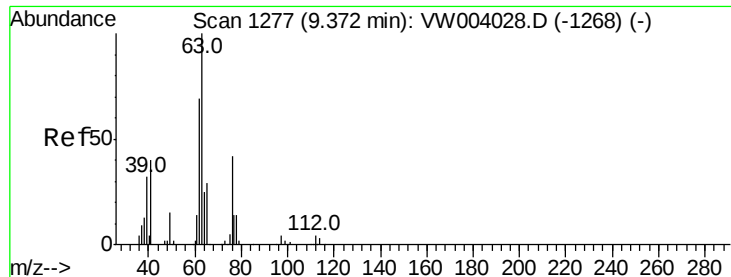
Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.7	83.1
132	94.9	66.1	122.7
130	98.4	68.9	127.9



#36
 Methylcyclohexane
 Concen: 110.874 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.8	65.8	98.6
98	45.7	37.0	55.6





#40

1,2-Dichloropropane

Concen: 99.572 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

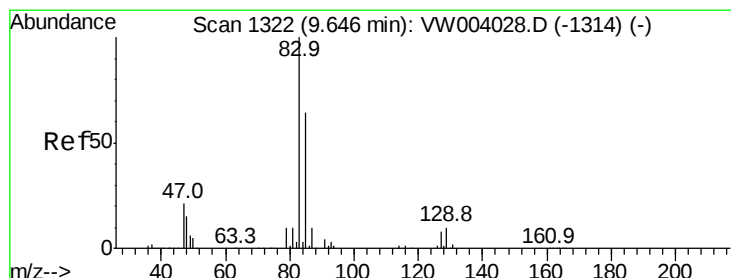
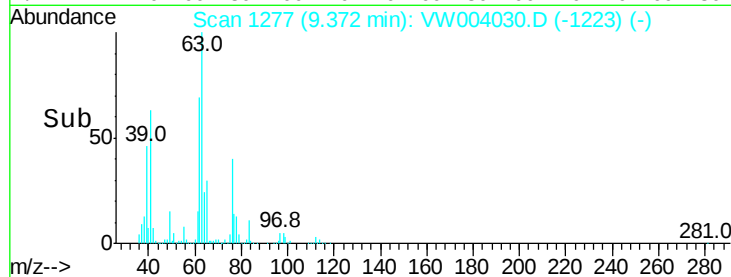
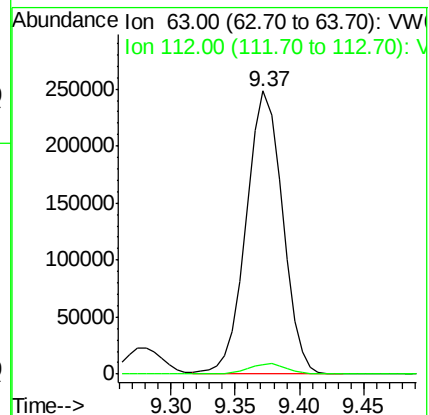
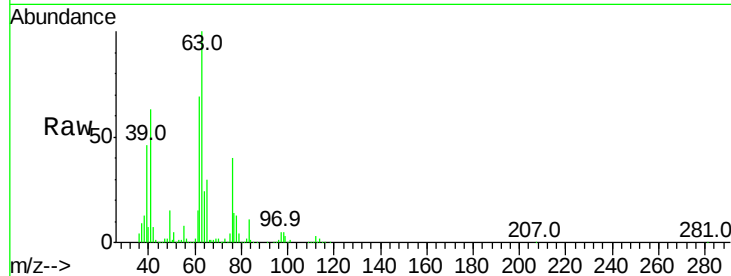
VSTD10085

Tgt Ion: 63 Resp: 487814

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.4



#41

Bromodichloromethane

Concen: 99.118 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

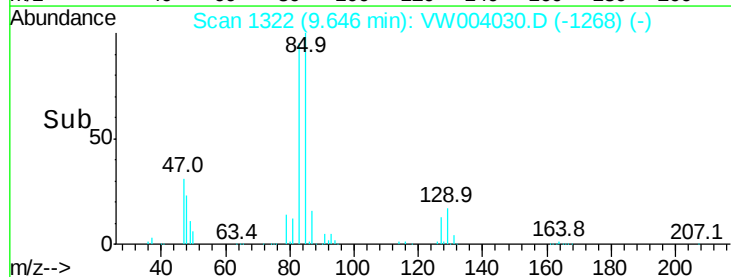
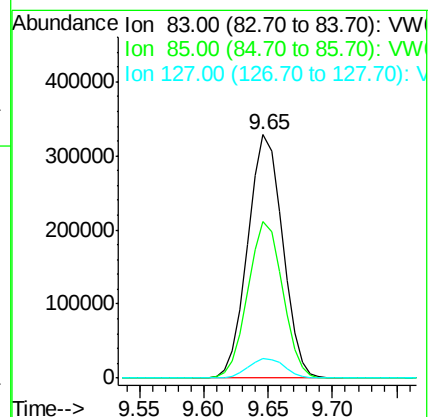
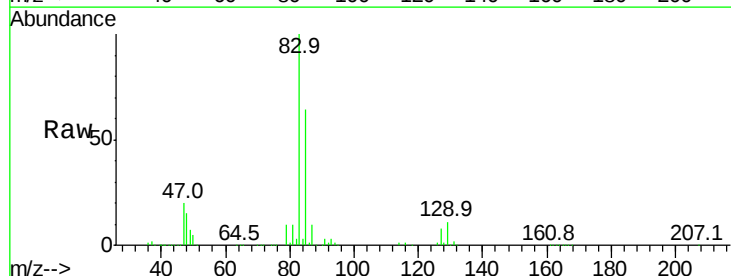
Tgt Ion: 83 Resp: 614018

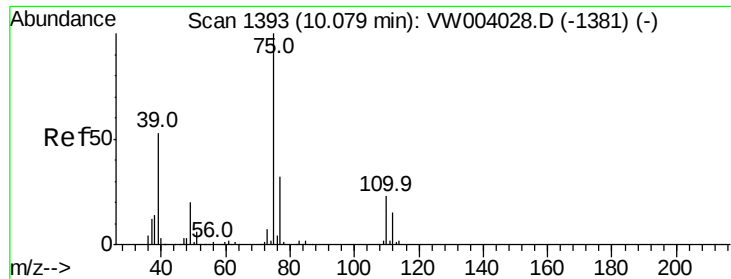
Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9

127 8.2 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 106.142 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

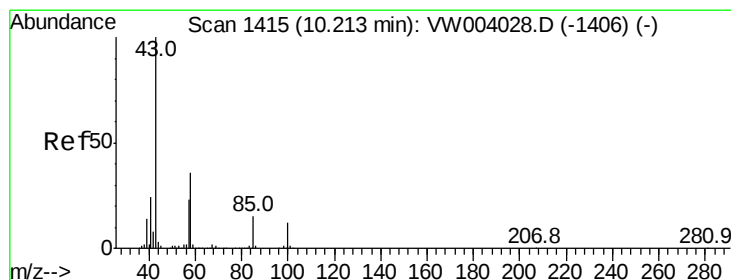
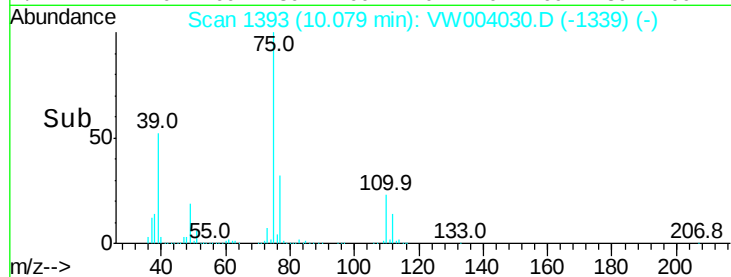
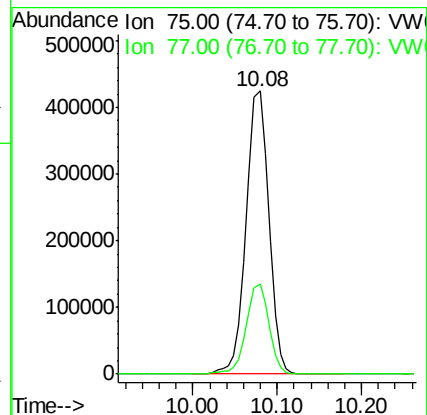
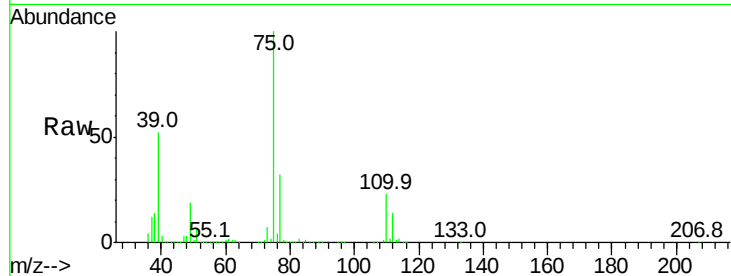
VSTD10085

Tgt Ion: 75 Resp: 769810

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 293.350 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

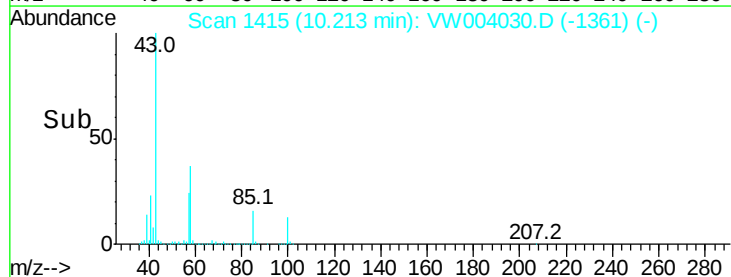
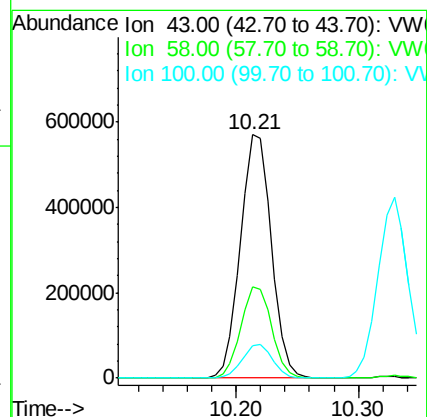
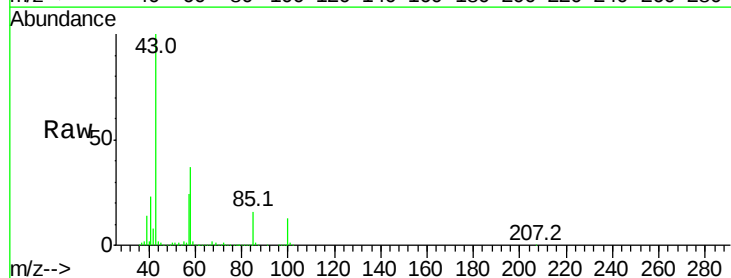
Tgt Ion: 43 Resp: 999611

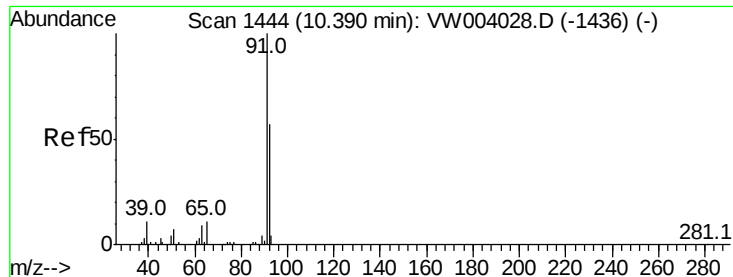
Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.2

100 13.3 10.8 16.2





#44

Toluene

Concen: 101.114 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

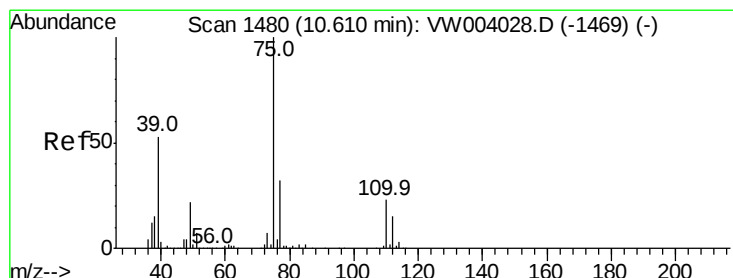
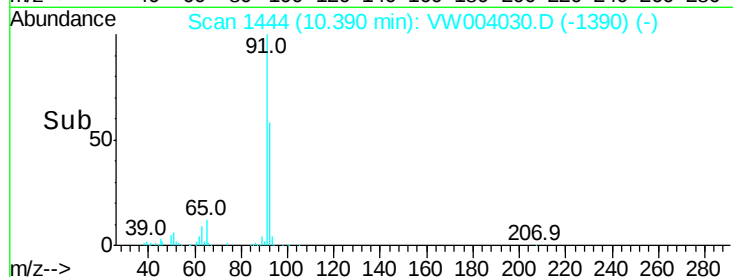
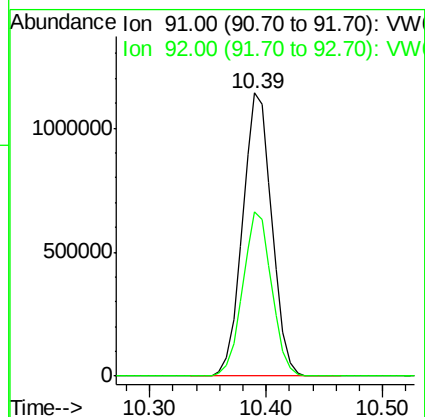
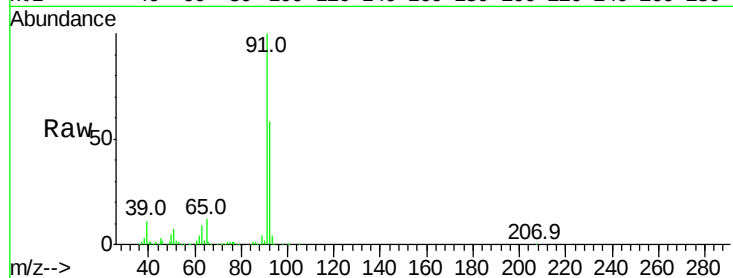
VSTD10085

Tgt Ion: 91 Resp: 1990637

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 105.536 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004030.D

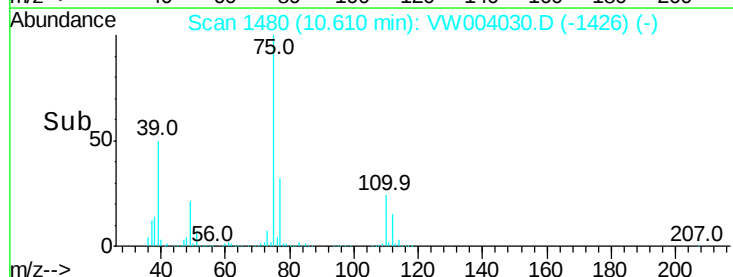
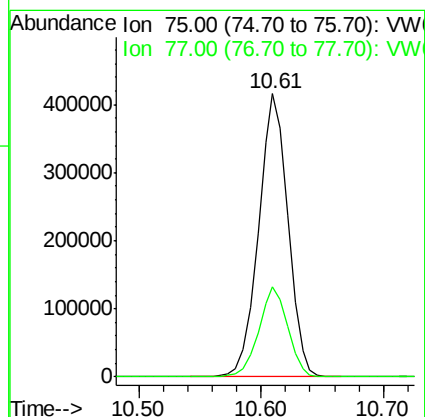
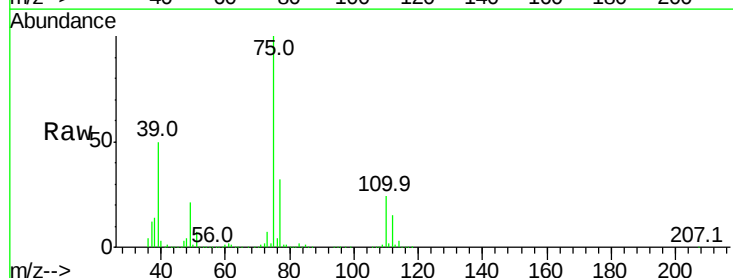
Acq: 18 Jul 2018 13:29

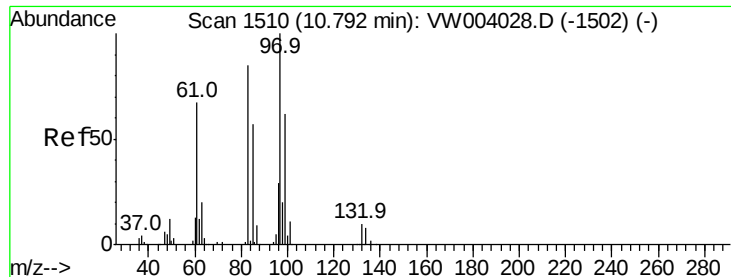
Tgt Ion: 75 Resp: 695541

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7

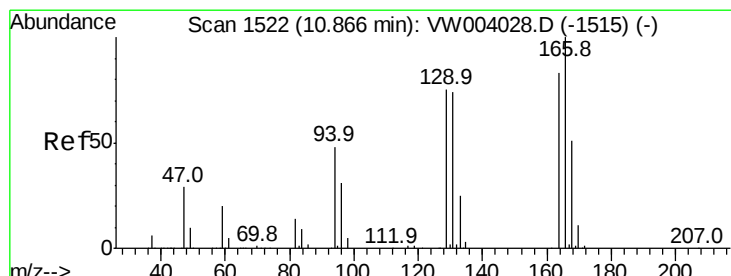
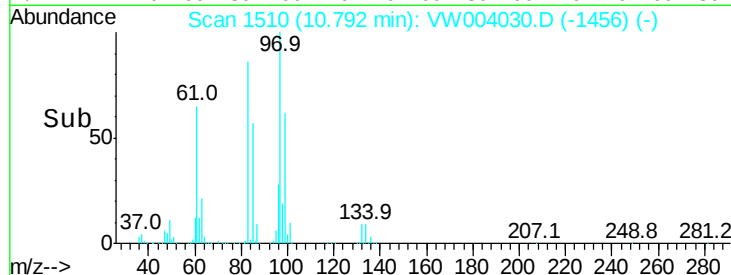
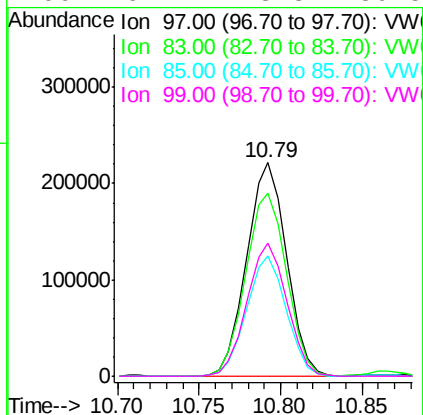
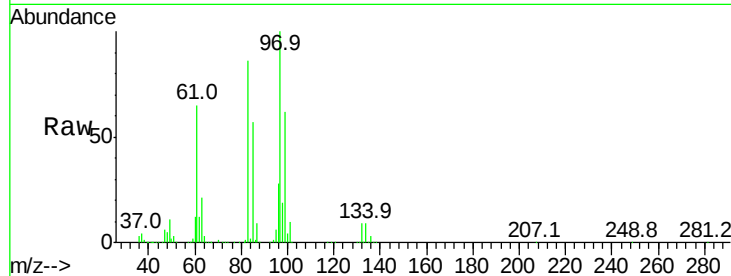




#46
 1,1,2-Trichloroethane
 Concen: 104.046 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

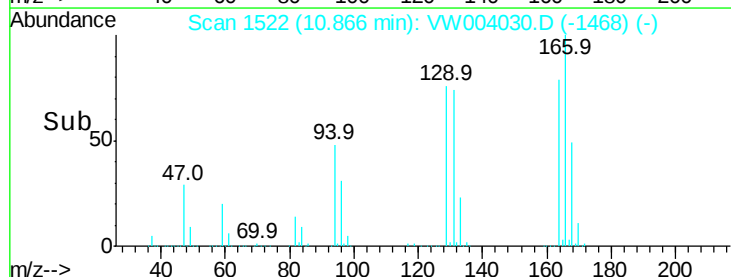
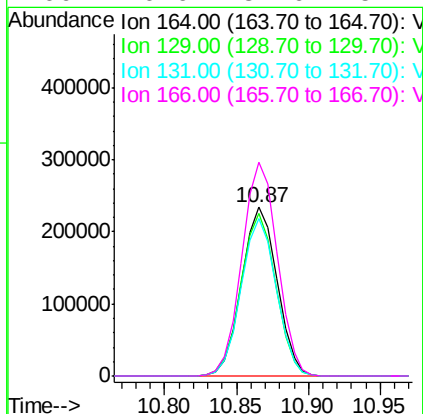
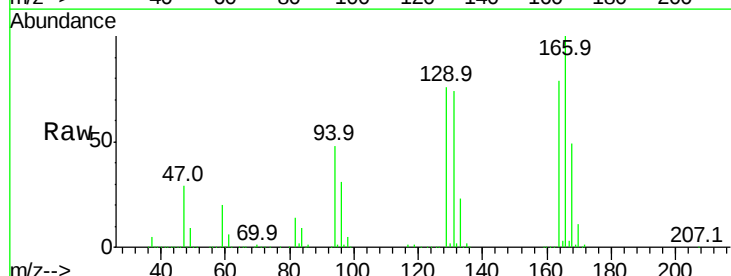
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

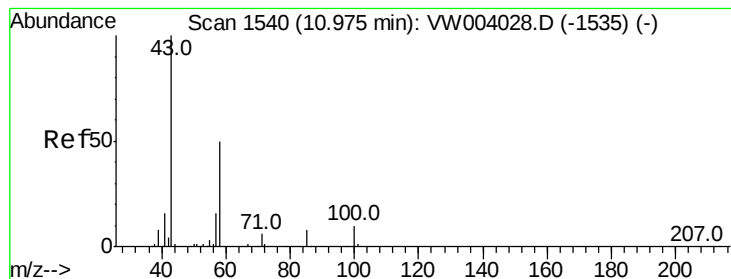
Tgt Ion: 97 Resp: 378471
 Ion Ratio Lower Upper
 97 100
 83 85.9 59.4 110.4
 85 56.6 40.0 74.2
 99 62.4 43.3 80.5



#47
 Tetrachloroethene
 Concen: 99.529 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion: 164 Resp: 399343
 Ion Ratio Lower Upper
 164 100
 129 96.6 63.1 117.3
 131 93.4 62.8 116.6
 166 126.6 84.6 157.2





#49

2-Hexanone

Concen: 295.325 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 43 Resp: 762005

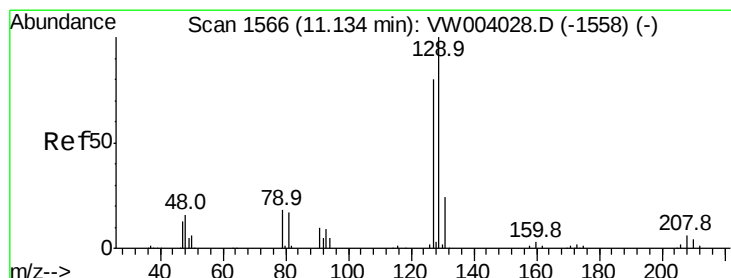
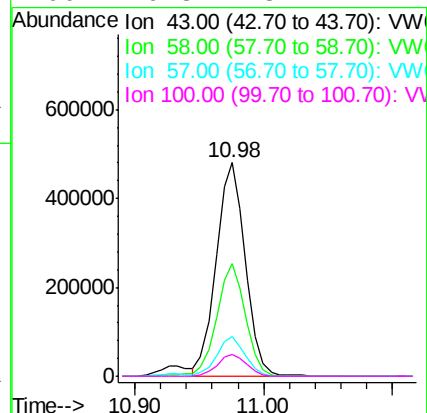
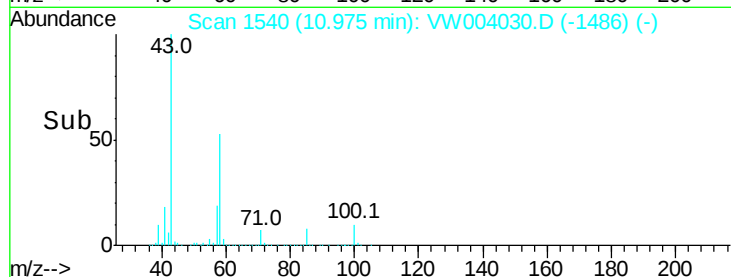
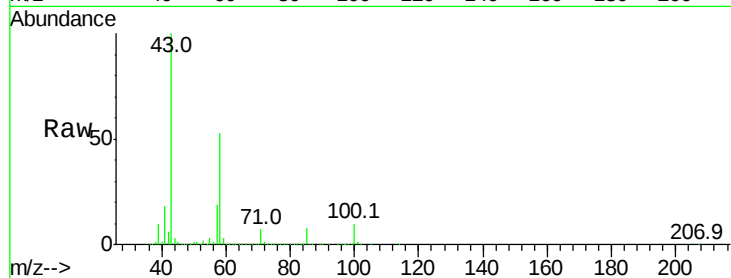
Ion	Ratio	Lower	Upper
43	100		
58	52.7	40.4	60.6
57	18.1	14.0	21.0
100	10.3	8.2	12.2

43 100

58 52.7 40.4 60.6

57 18.1 14.0 21.0

100 10.3 8.2 12.2



#50

Dibromochloromethane

Concen: 103.660 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW004030.D

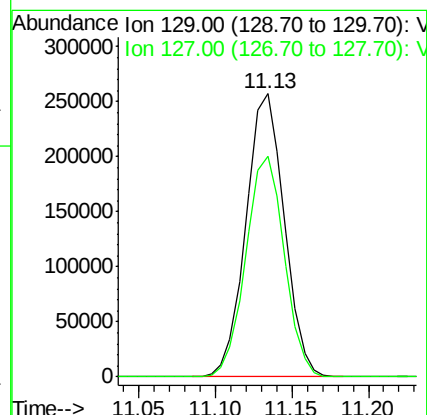
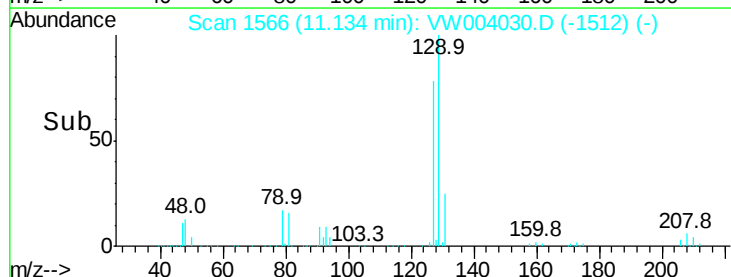
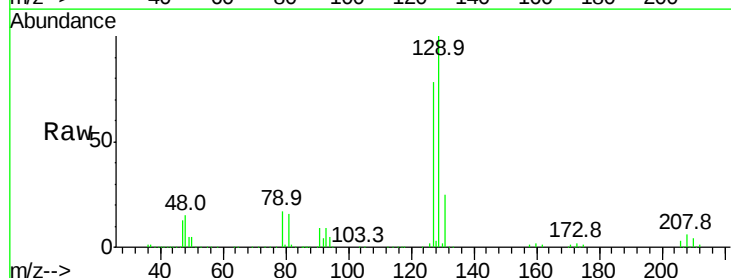
Acq: 18 Jul 2018 13:29

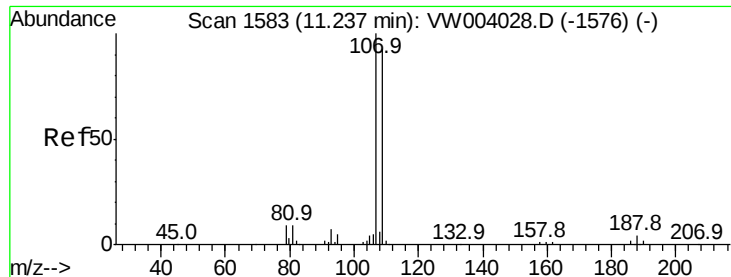
Tgt Ion: 129 Resp: 449333

Ion	Ratio	Lower	Upper
129	100		
127	77.8	56.1	104.3

129 100

127 77.8 56.1 104.3

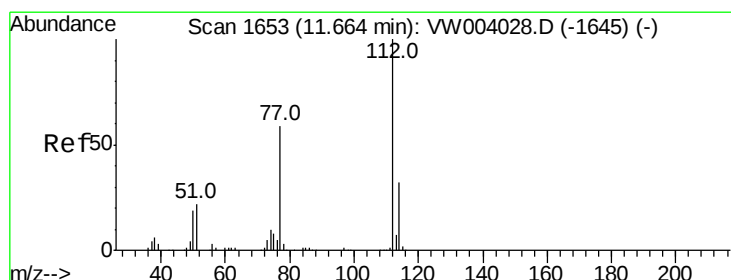
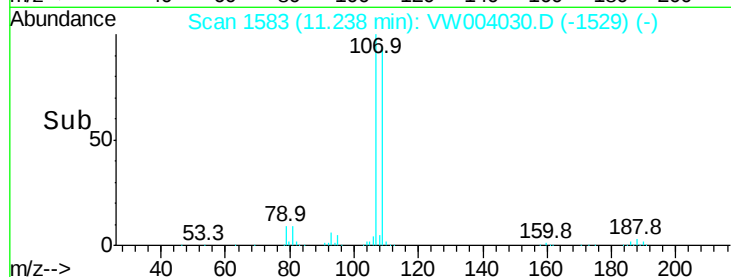
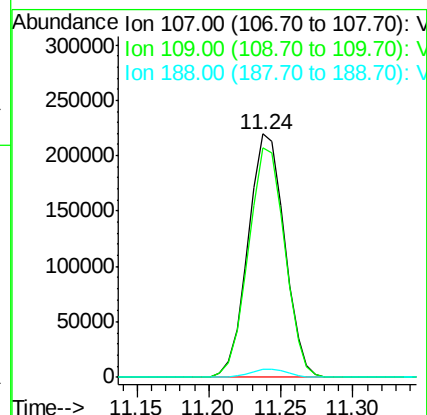
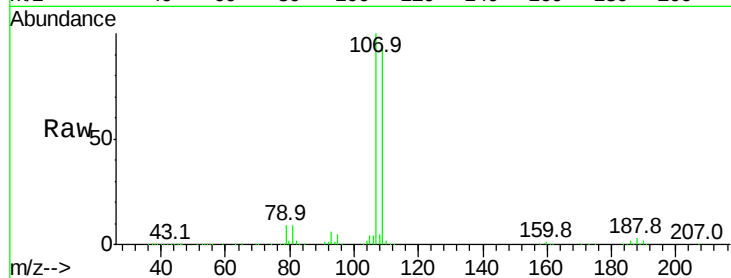




#51
 1,2-Dibromoethane
 Concen: 108.343 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

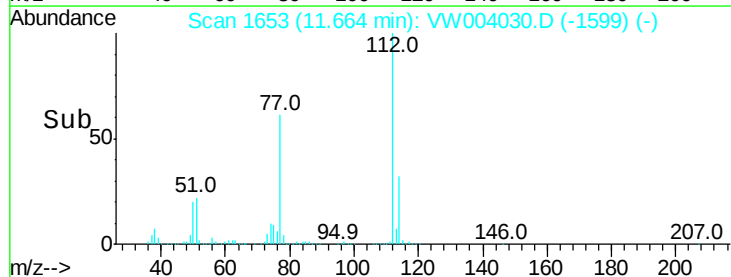
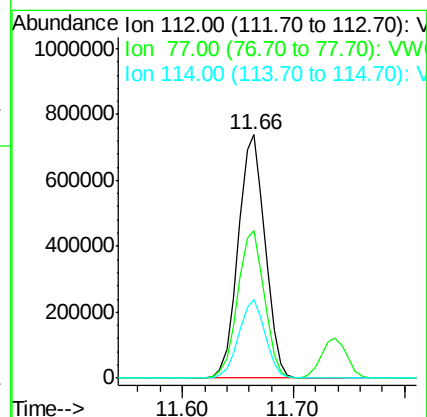
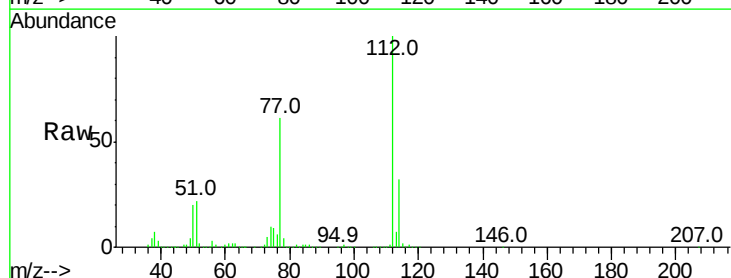
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

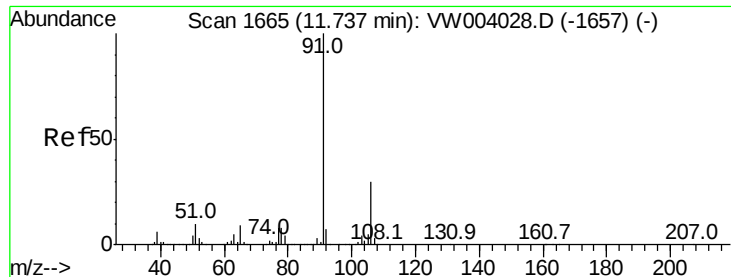
Tgt Ion:107 Resp: 383934
 Ion Ratio Lower Upper
 107 100
 109 94.5 65.2 121.0
 188 3.5 2.9 4.3



#52
 Chlorobenzene
 Concen: 95.736 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion:112 Resp: 1229482
 Ion Ratio Lower Upper
 112 100
 77 60.6 47.7 71.5
 114 32.2 22.2 41.2





#53

Ethylbenzene

Concen: 100.022 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

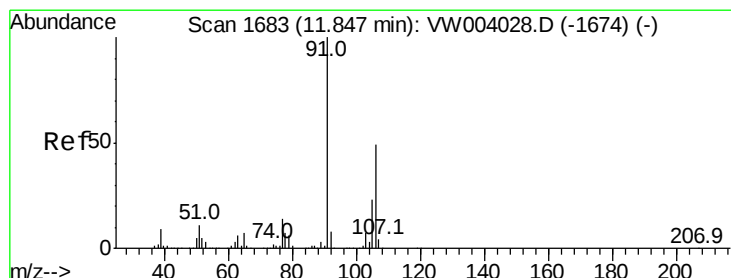
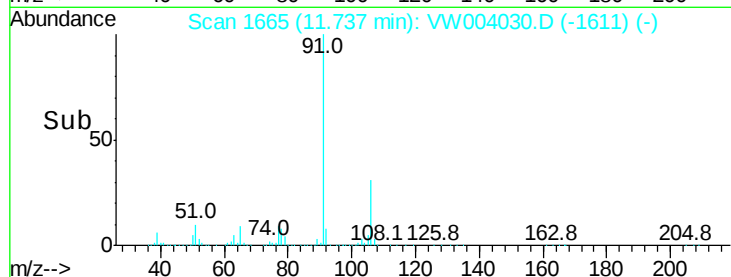
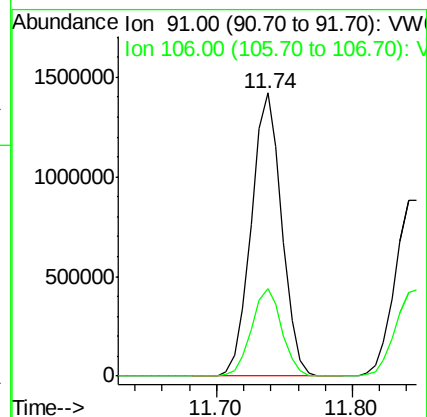
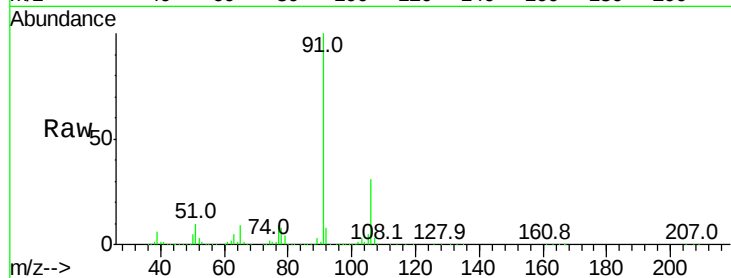
VSTD10085

Tgt Ion: 91 Resp: 2230823

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.5



#54

m,p-Xylene

Concen: 99.001 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004030.D

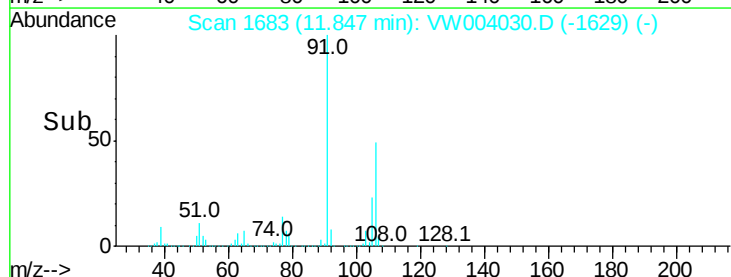
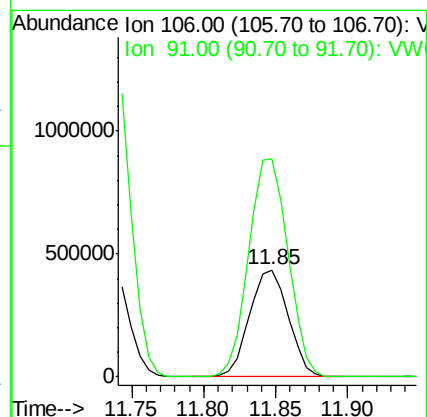
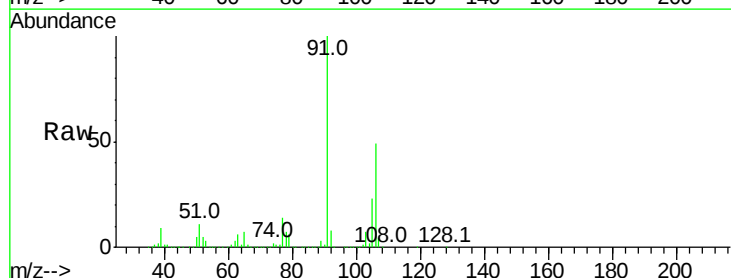
Acq: 18 Jul 2018 13:29

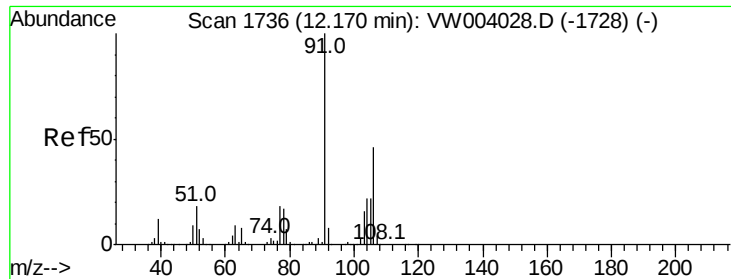
Tgt Ion: 106 Resp: 811916

Ion Ratio Lower Upper

106 100

91 203.9 142.1 263.9

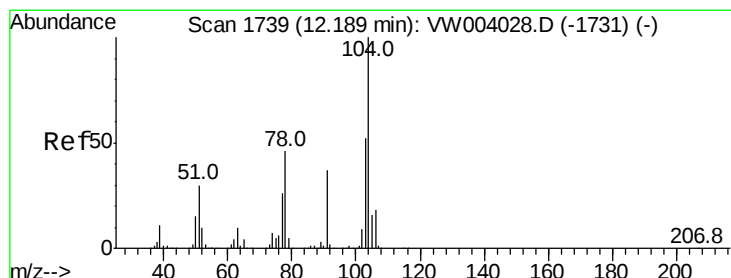
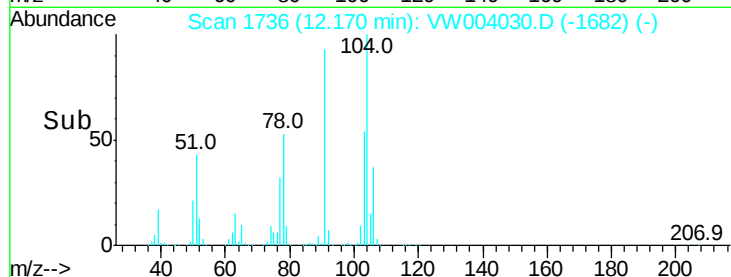
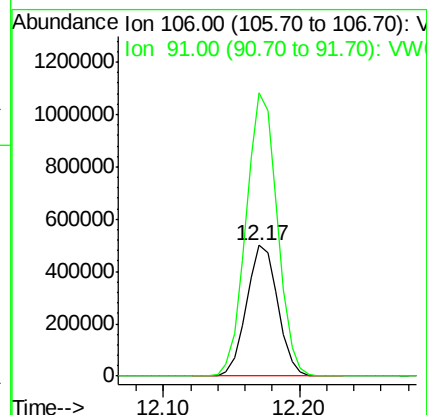
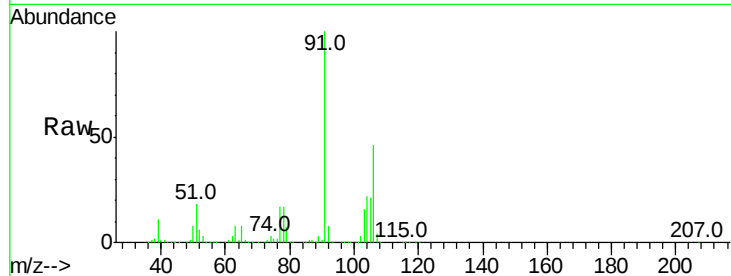




#55
o-xylene
Concen: 104.099 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004030.D
Acq: 18 Jul 2018 13:29

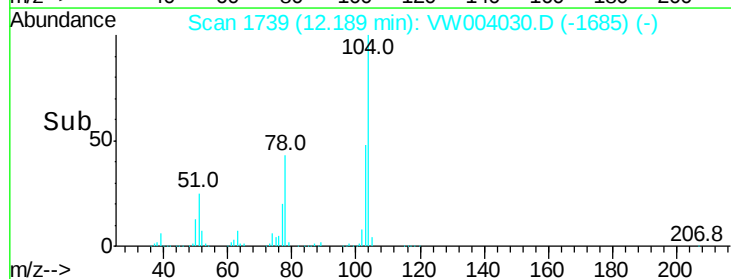
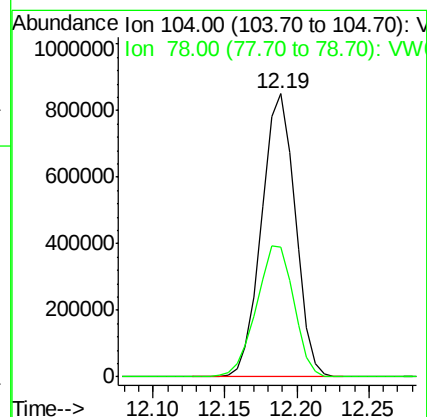
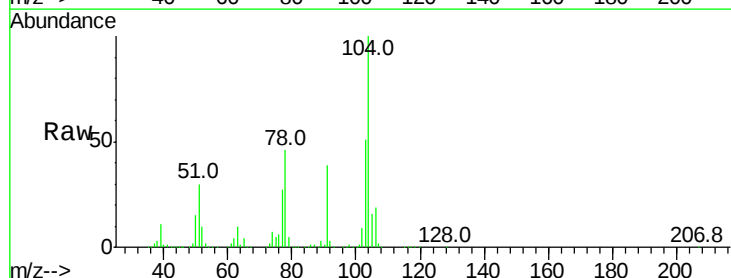
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

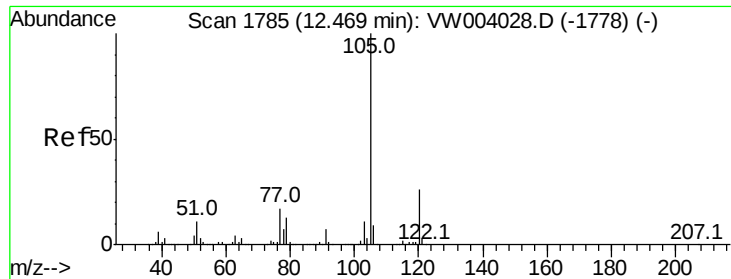
Tgt Ion:106 Resp: 804129
Ion Ratio Lower Upper
106 100
91 216.2 151.3 280.9



#56
Styrene
Concen: 102.819 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004030.D
Acq: 18 Jul 2018 13:29

Tgt Ion:104 Resp: 1377835
Ion Ratio Lower Upper
104 100
78 46.1 32.2 59.8





#57

Isopropylbenzene

Concen: 103.508 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

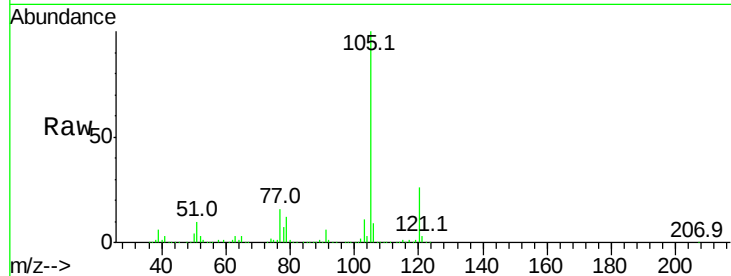
Tgt Ion:105 Resp: 2221312

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

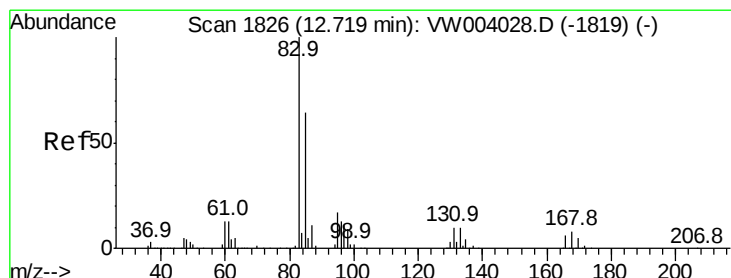
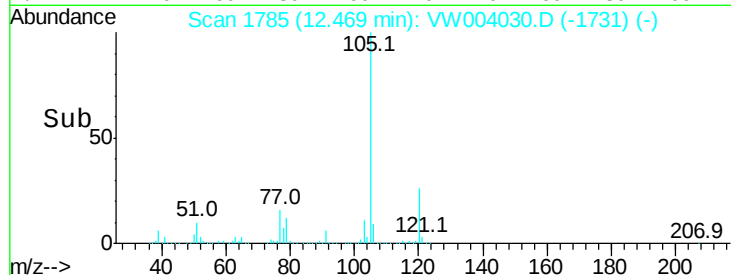
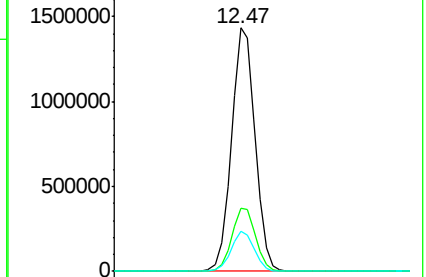
77 16.2 13.1 19.7



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: 114.057 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

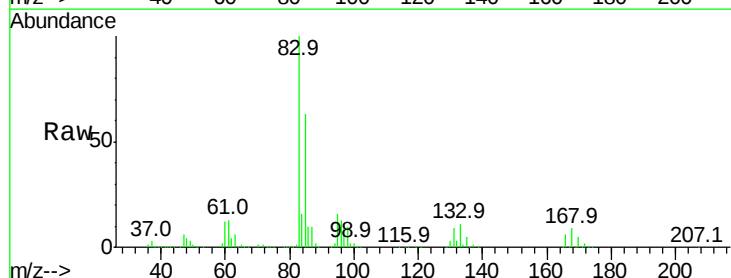
Tgt Ion: 83 Resp: 544694

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

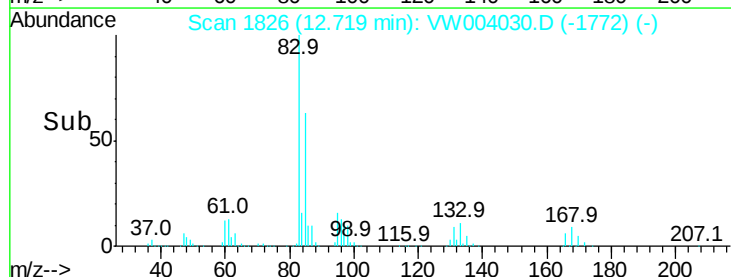
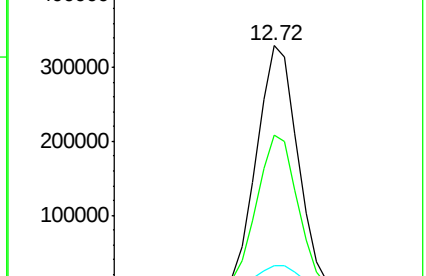
131 9.5 7.8 11.6

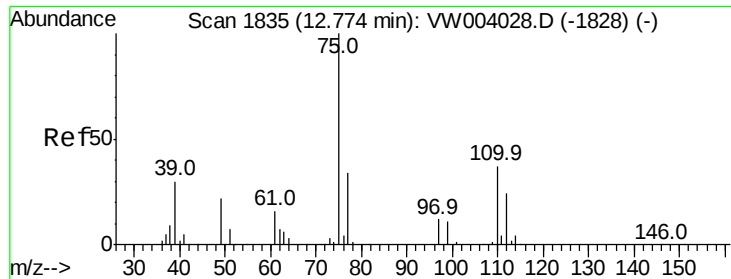


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

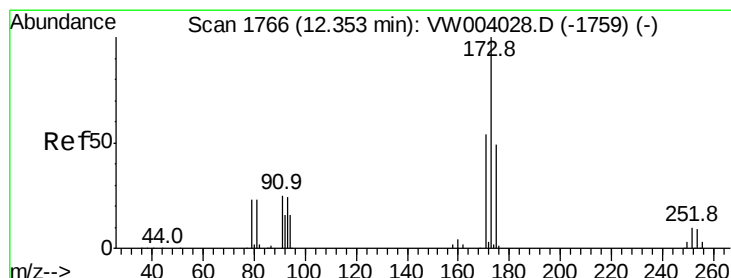
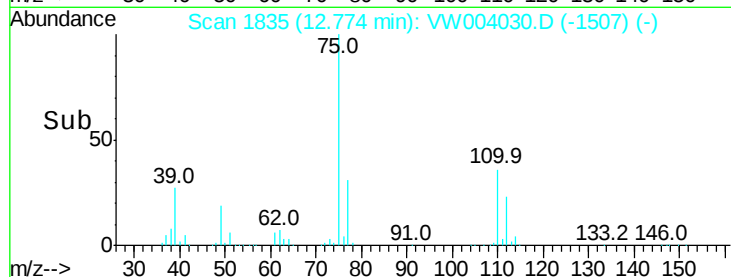
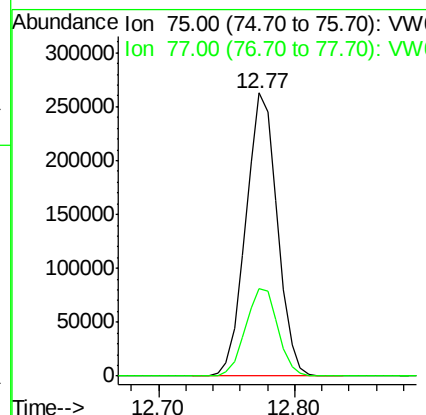
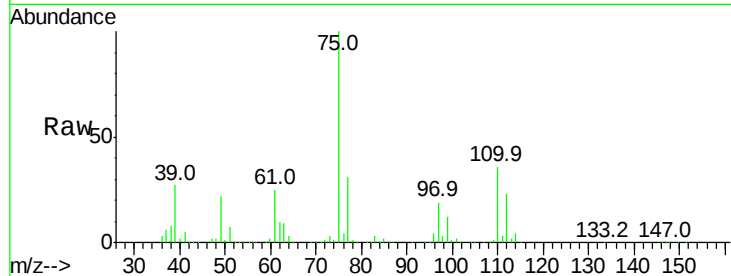




#59
 1,2,3-Trichloropropane
 Concen: 116.519 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

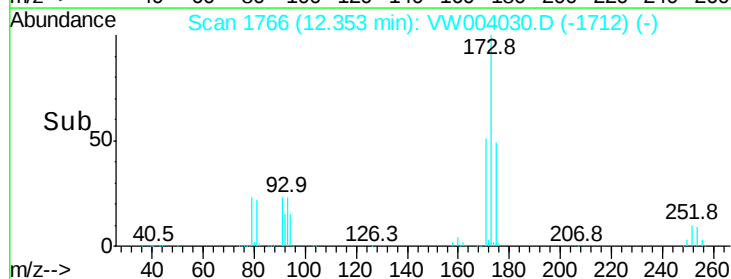
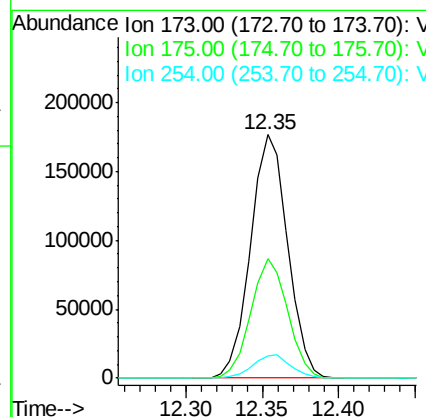
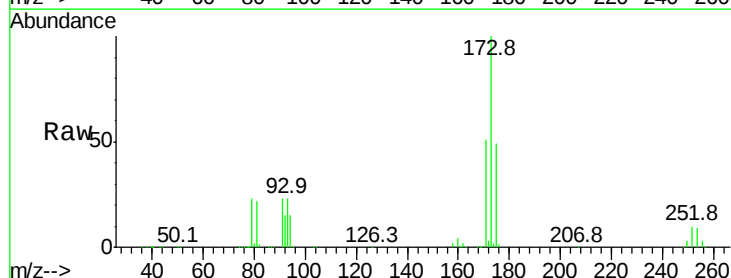
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

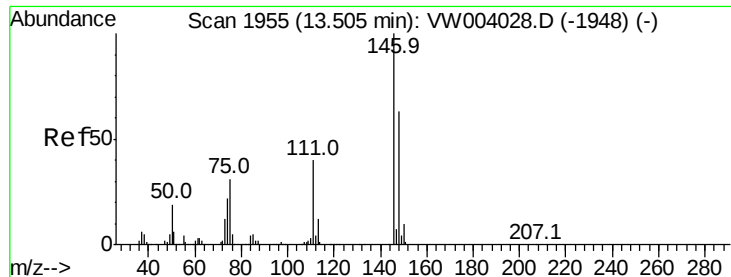
Tgt Ion: 75 Resp: 424965
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0



#62
 Bromoform
 Concen: 110.422 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion: 173 Resp: 298352
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.4 59.0
 254 9.7 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 95.158 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

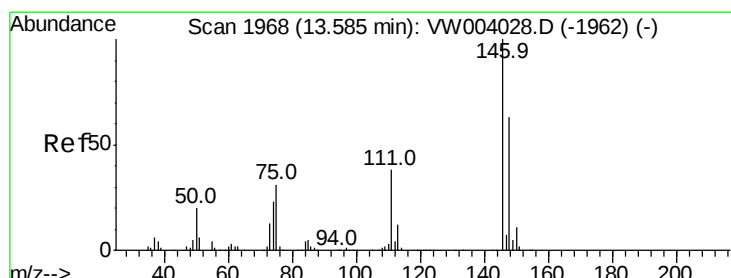
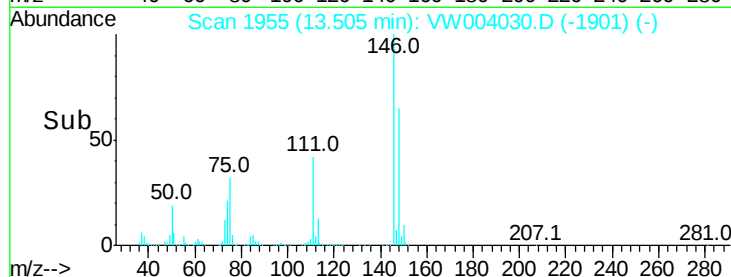
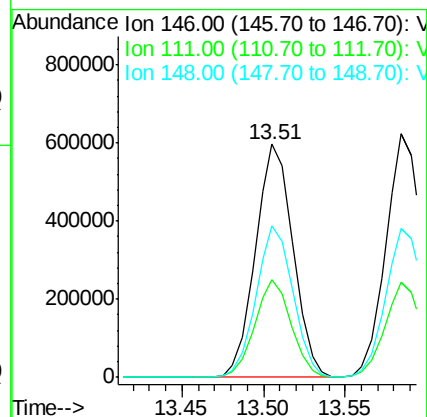
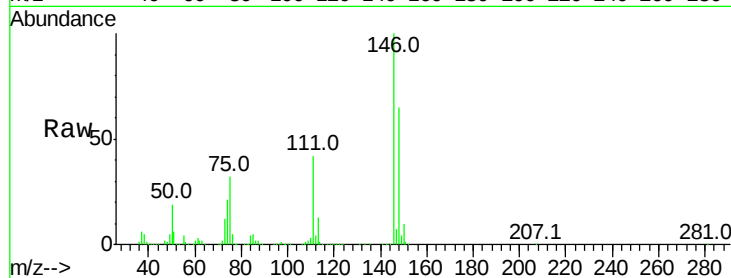
Tgt Ion:146 Resp: 951733

Ion Ratio Lower Upper

146 100

111 41.9 27.9 51.7

148 64.9 44.2 82.0



#64

1,4-Dichlorobenzene

Concen: 92.045 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

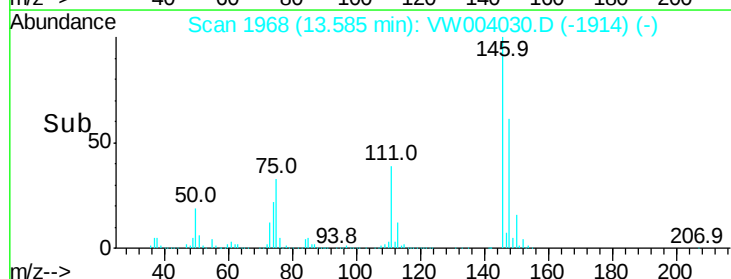
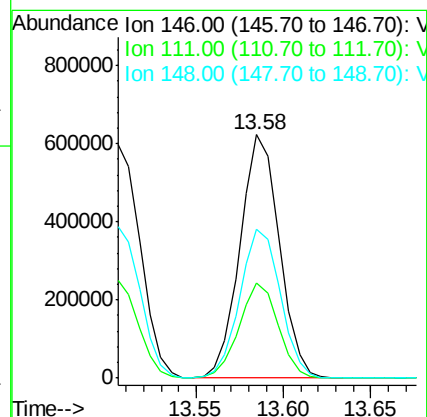
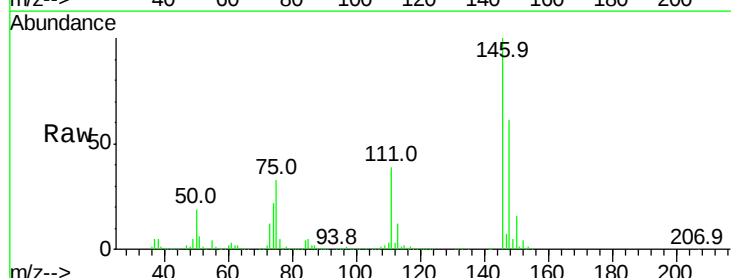
Tgt Ion:146 Resp: 974292

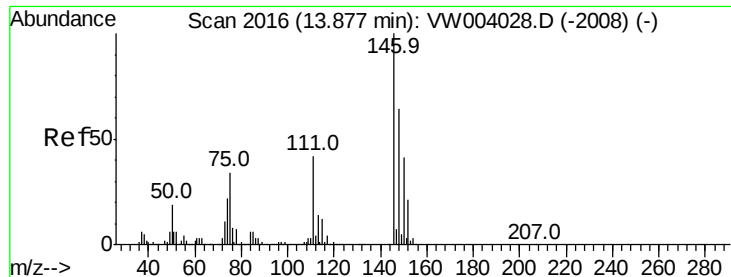
Ion Ratio Lower Upper

146 100

111 38.9 26.8 49.8

148 61.0 44.3 82.3

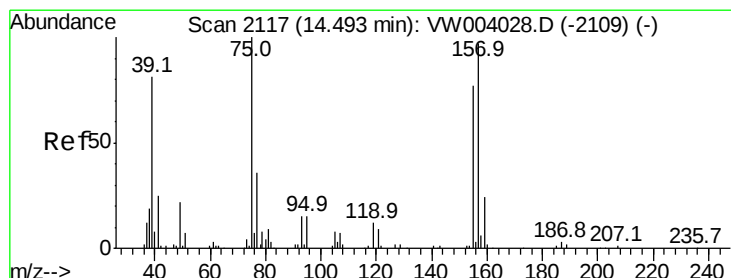
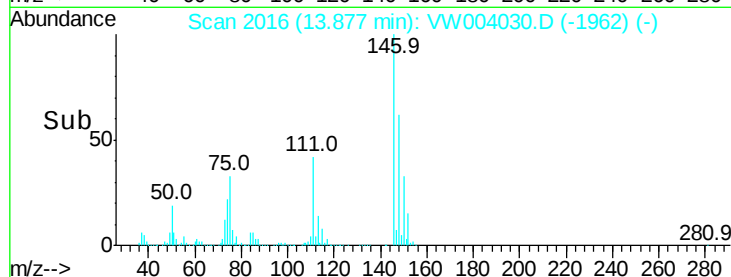
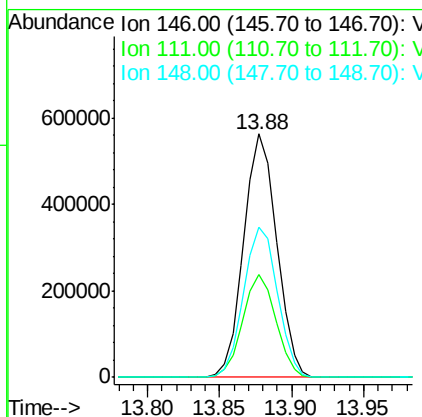
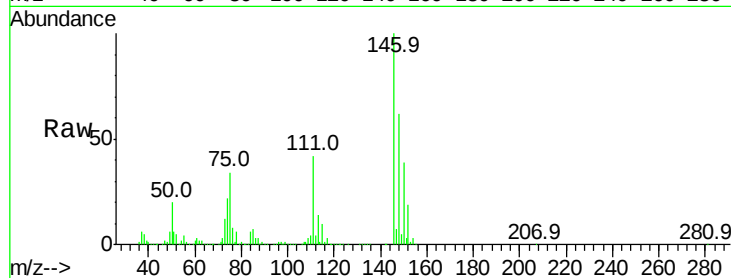




#65
 1,2-Dichlorobenzene
 Concen: 92.721 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

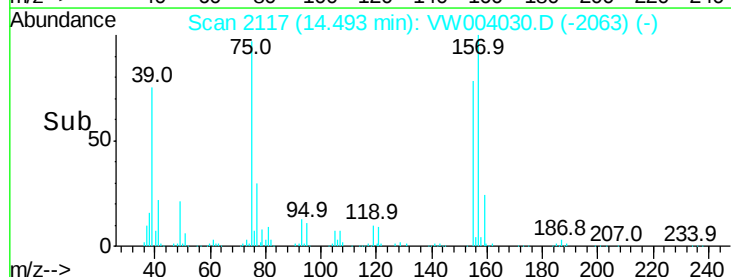
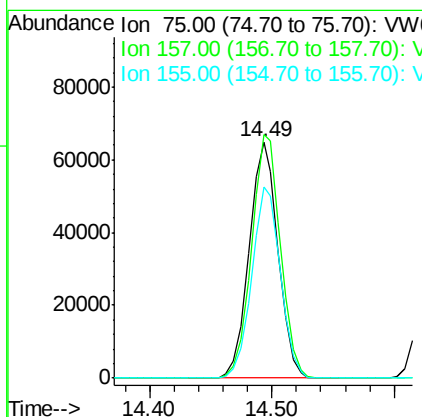
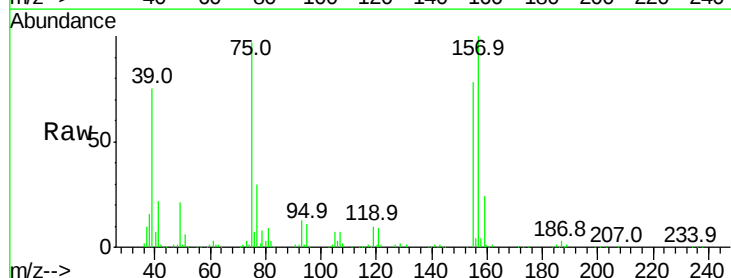
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

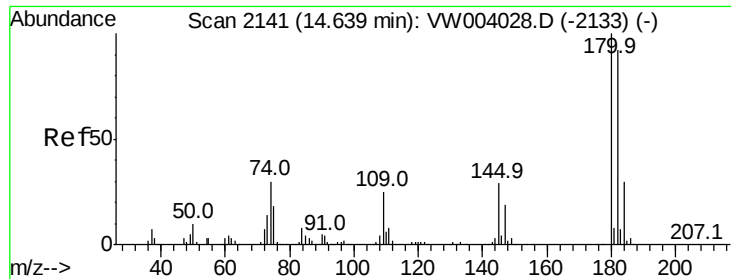
Tgt Ion: 146 Resp: 894465
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.2 49.8
 148 61.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 124.210 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Tgt Ion: 75 Resp: 106041
 Ion Ratio Lower Upper
 75 100
 157 103.0 77.9 116.9
 155 80.7 61.8 92.8

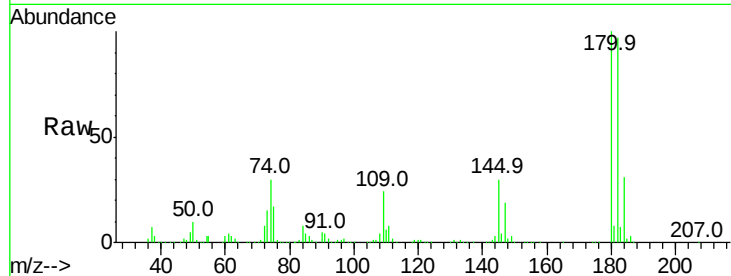




#67
 1,3,5-Trichlorobenzene
 Concen: 92.792 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.5	113.3
184	30.3	24.0	36.0
145	30.0	23.3	34.9

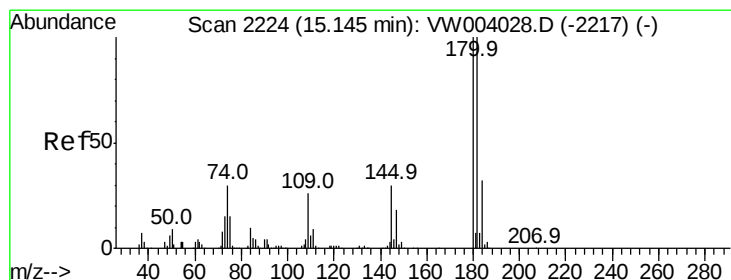
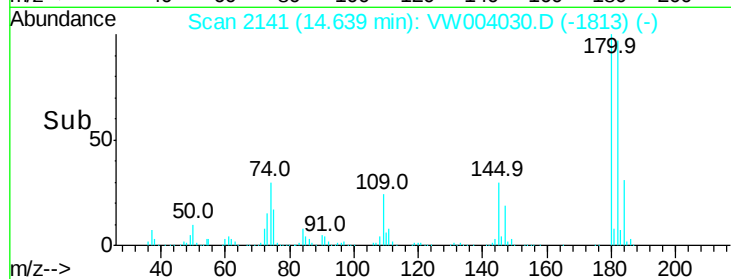
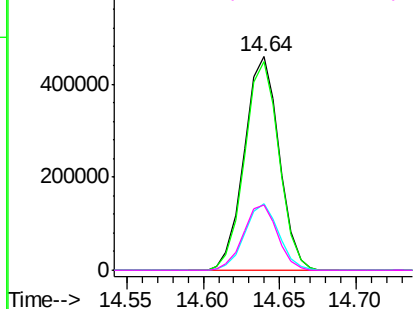


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

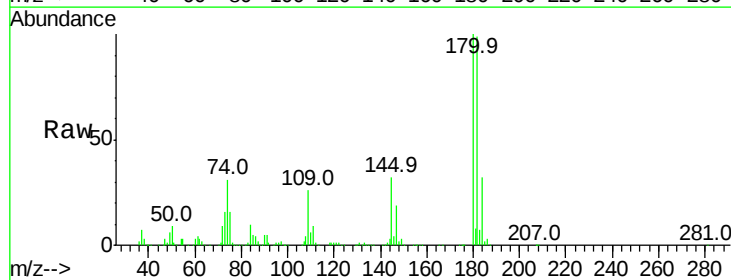
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 97.167 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004030.D
 Acq: 18 Jul 2018 13:29

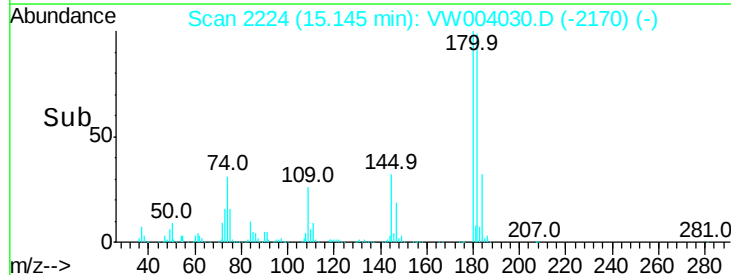
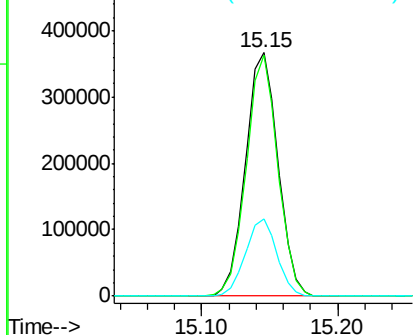
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.8	116.6
145	30.8	24.4	36.6

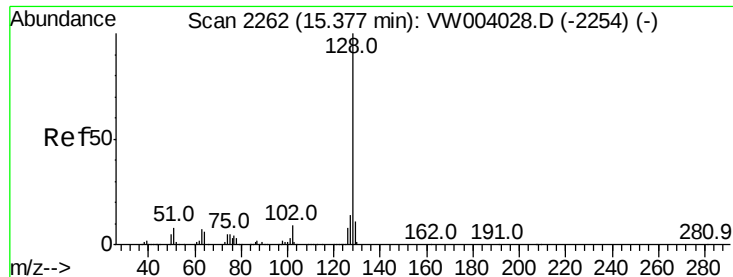


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 123.120 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

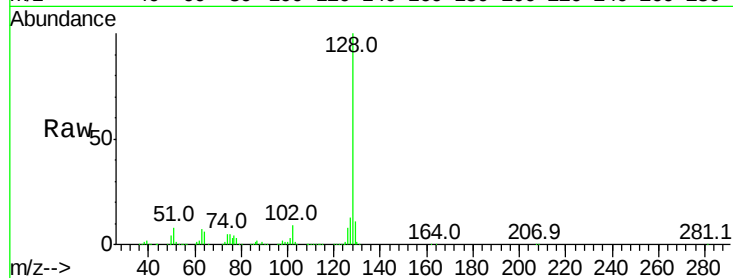
Tgt Ion:128 Resp: 1569859

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

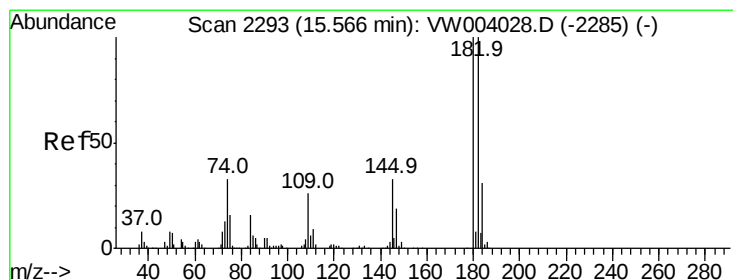
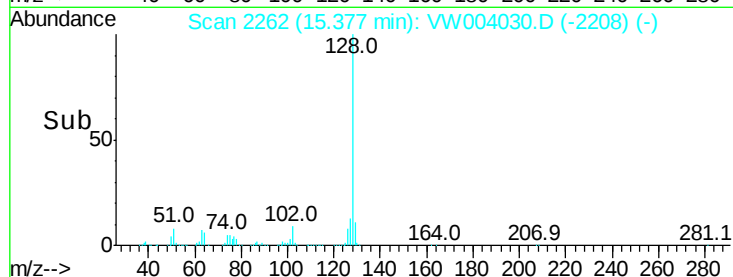
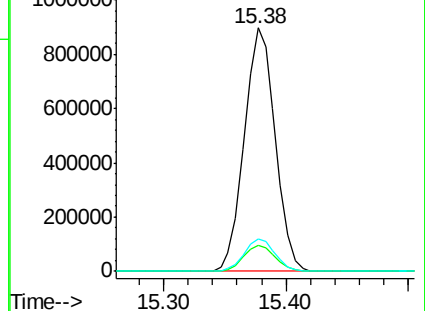
127 13.3 10.9 16.3



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: 97.114 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004030.D

Acq: 18 Jul 2018 13:29

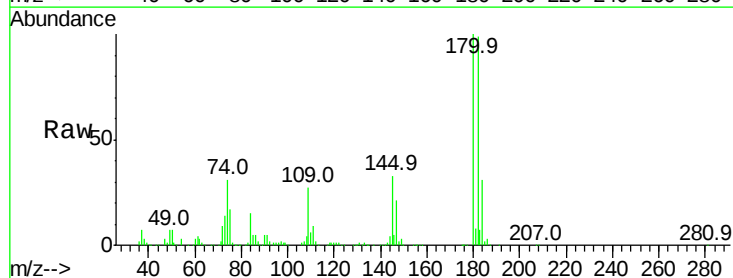
Tgt Ion:180 Resp: 571021

Ion Ratio Lower Upper

180 100

182 96.3 76.6 115.0

145 32.2 25.3 37.9



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

