

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
 Data File : VW003377.D
 Acq On : 21 Jun 2018 02:13
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Jun 21 05:06:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 21 05:02:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	359477	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	341658	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	174241	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116641	23.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.72%
7) Chloroethane-d5	2.89	69	101333	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
10) 1,1-Dichloroethene-d2	4.02	63	233753	24.15	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.60%
20) 2-Butanone-d5	7.09	46	84711	55.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.28%
24) Chloroform-d	7.65	84	234696	24.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	8.31	65	143499	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
29) Benzene-d6	8.28	84	445510	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.28	67	140340	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	10.33	98	430995	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	10.58	79	65778	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.68%
39) 2-Hexanone-d5	10.93	63	66577	56.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.52%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	139750	26.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	158688	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	51973	26.323	ug/L	# 79
3) Chloromethane	2.21	50	105479	24.868	ug/L	99
5) Vinyl chloride	2.36	62	148346	24.166	ug/L	100
6) Bromomethane	2.78	94	92905	26.011	ug/L	97
8) Chloroethane	2.92	64	94097	25.157	ug/L	98
9) Trichlorofluoromethane	3.25	101	73403	20.847	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	111733	23.503	ug/L	97
12) 1,1-Dichloroethene	4.03	96	109652	24.402	ug/L	89
13) Acetone	4.14	43	77932	47.592	ug/L	99
14) Carbon disulfide	4.37	76	355409	24.516	ug/L	100
15) Methyl Acetate	4.68	43	73757	27.480	ug/L	100
16) Methylene chloride	4.91	84	123706	24.975	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	223863	27.002	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	116568	24.897	ug/L	94
19) 1,1-Dichloroethane	6.21	63	220741	25.264	ug/L	99
21) 2-Butanone	7.18	43	98198	51.032	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	128825	25.890	ug/L	96

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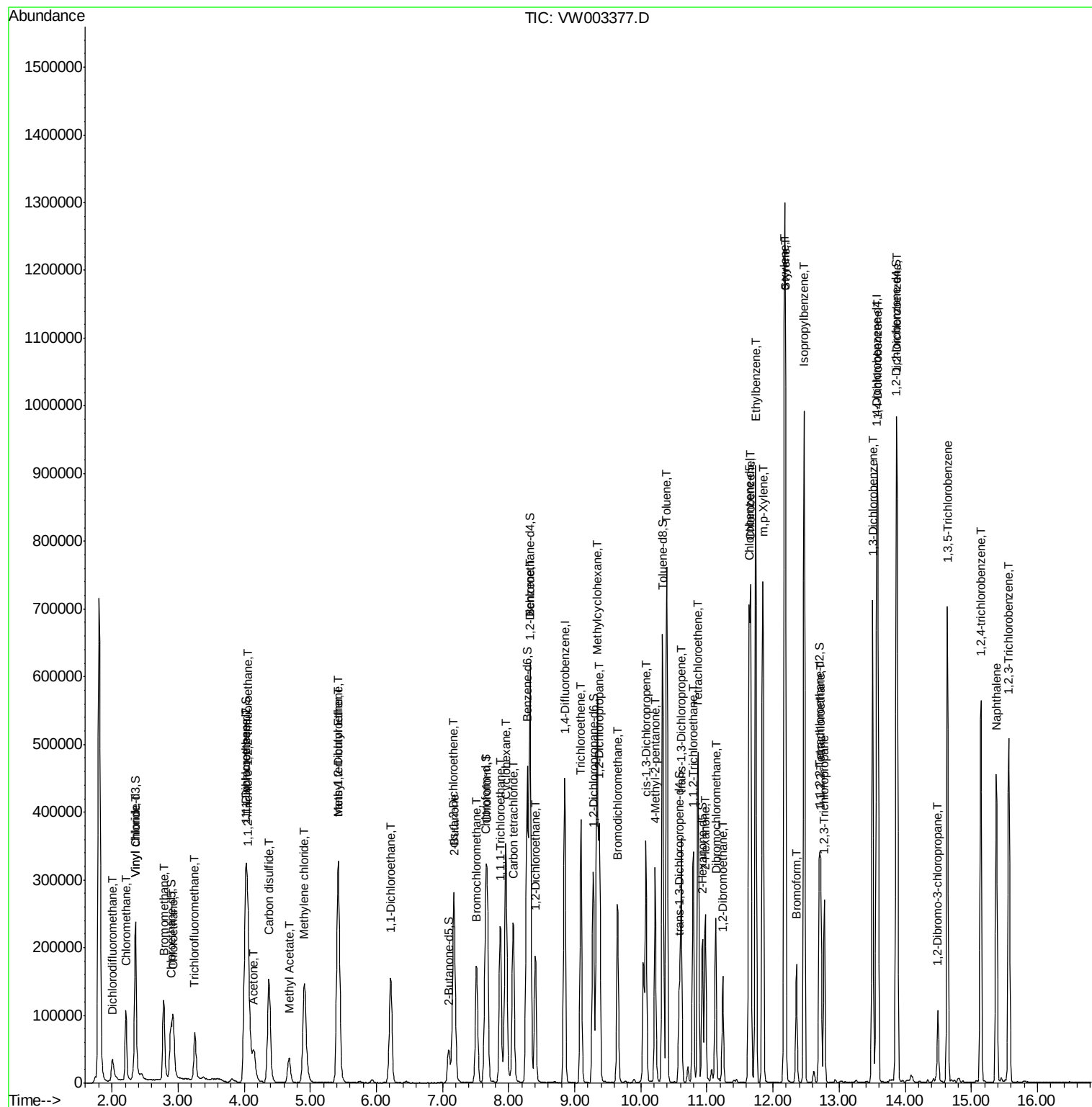
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59029	25.645	ug/L	99
25) Chloroform	7.68	83	230558	25.666	ug/L	99
27) 1,2-Dichloroethane	8.40	62	172979	26.591	ug/L	99
30) Cyclohexane	7.96	56	197091	24.986	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	183626	24.463	ug/L	100
32) Carbon tetrachloride	8.07	117	174004	23.995	ug/L	99
34) Benzene	8.33	78	498855	25.605	ug/L	100
35) Trichloroethene	9.09	95	132174	25.171	ug/L	98
36) Methylcyclohexane	9.34	83	219013	24.431	ug/L	98
40) 1,2-Dichloropropane	9.37	63	134200	26.175	ug/L	99
41) Bromodichloromethane	9.65	83	169239	25.681	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	196646	25.700	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	209516	57.200	ug/L	100
44) Toluene	10.39	91	546875	25.882	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	184037	26.580	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100721	26.315	ug/L	98
47) Tetrachloroethene	10.87	164	106294	24.088	ug/L	98
49) 2-Hexanone	10.98	43	156171	57.215	ug/L	99
50) Dibromochloromethane	11.13	129	120554	25.873	ug/L	96
51) 1,2-Dibromoethane	11.24	107	99869	26.257	ug/L	98
52) Chlorobenzene	11.66	112	347407	25.319	ug/L	98
53) Ethylbenzene	11.74	91	616456	26.011	ug/L	99
54) m,p-Xylene	11.85	106	230297	26.163	ug/L	95
55) o-xylene	12.17	106	220442	26.328	ug/L	99
56) Styrene	12.19	104	386943	26.768	ug/L	99
57) Isopropylbenzene	12.47	105	606467	26.106	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	136313	27.015	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	106714	27.596	ug/L	99
62) Bromoform	12.35	173	76604	26.123	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	272640	25.448	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	281744	25.083	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	262973	25.710	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	25319	28.206	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	210883	25.332	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	174630	25.767	ug/L	98
69) Naphthalene	15.38	128	369773	29.161	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	166993	26.885	ug/L	99

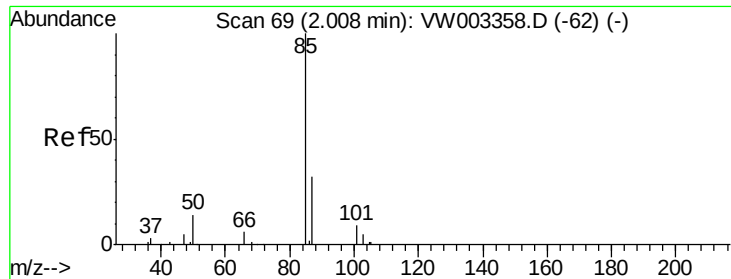
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.323 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

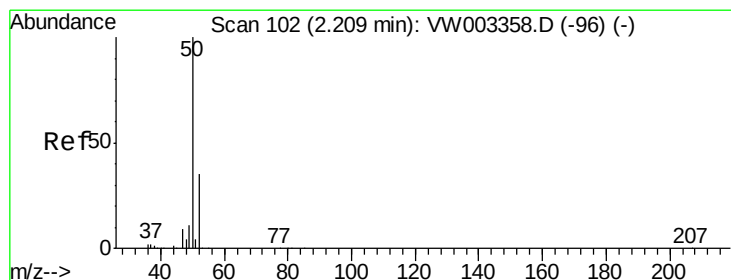
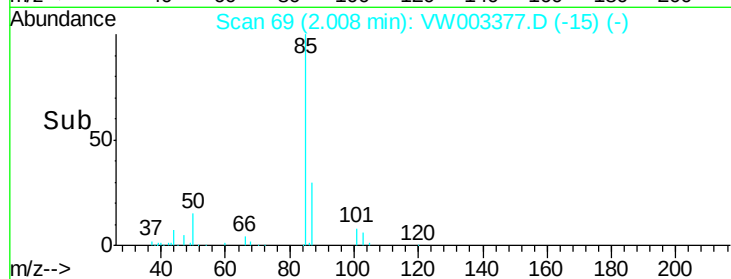
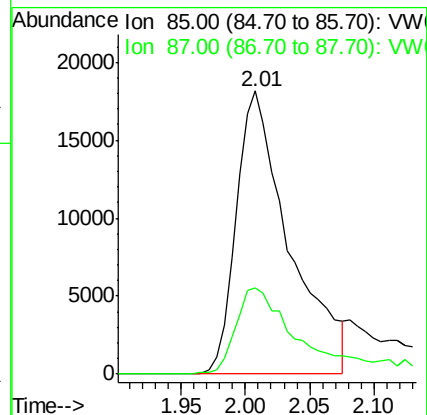
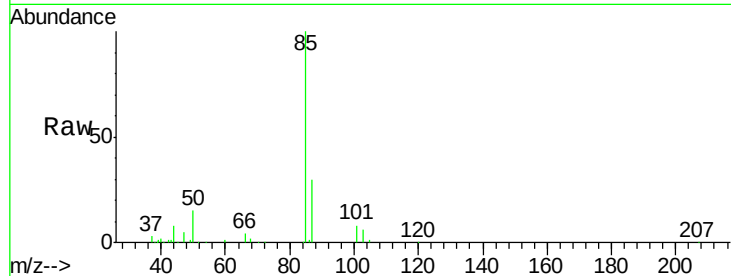
VSTD02589

Tgt Ion: 85 Resp: 51973

Ion Ratio Lower Upper

85 100

87 34.9 17.1 31.7#



#3

Chloromethane

Concen: 24.868 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003377.D

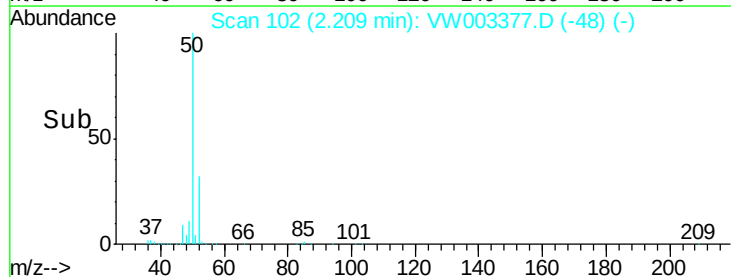
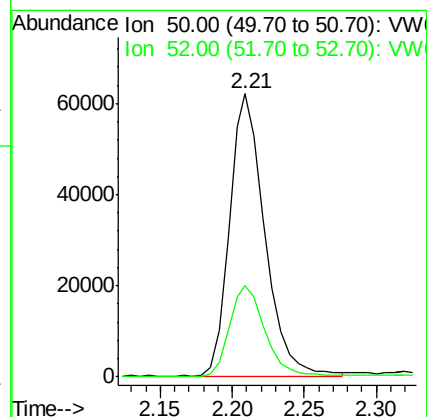
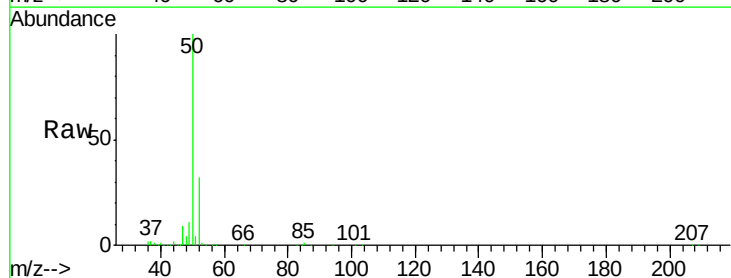
Acq: 21 Jun 2018 02:13

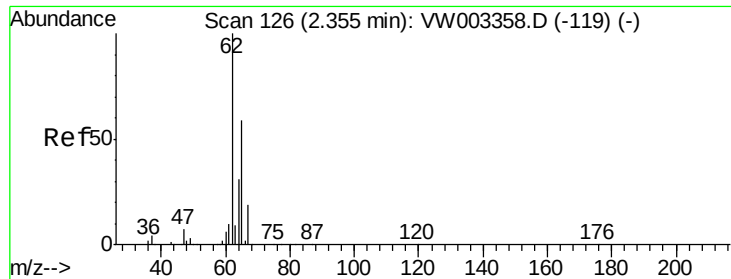
Tgt Ion: 50 Resp: 105479

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3





#5

Vinyl chloride

Concen: 24.166 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

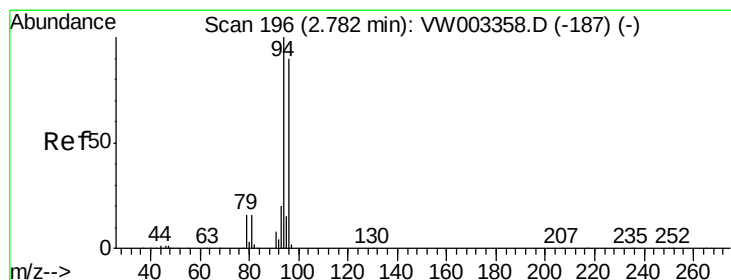
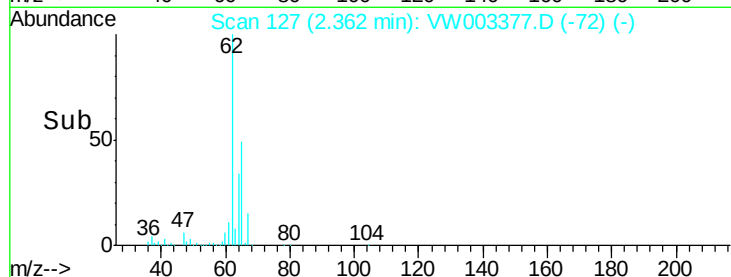
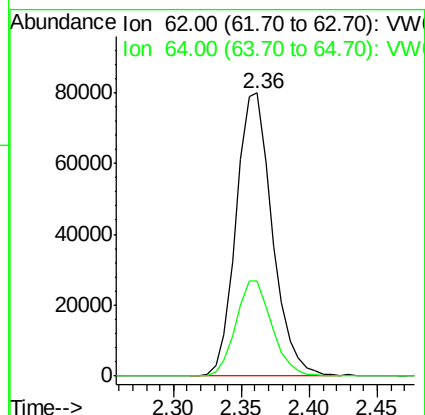
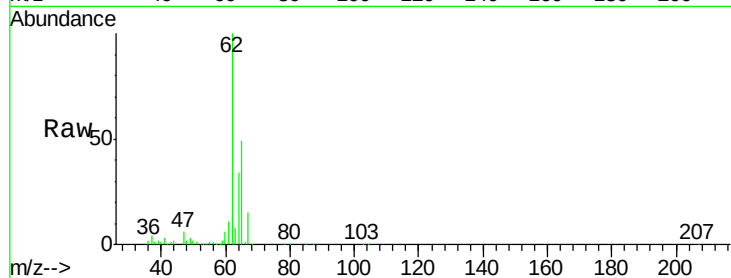
VSTD02589

Tgt Ion: 62 Resp: 148346

Ion Ratio Lower Upper

62 100

64 33.7 23.5 43.7



#6

Bromomethane

Concen: 26.011 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003377.D

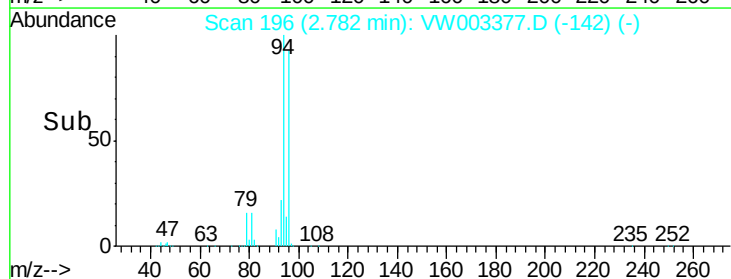
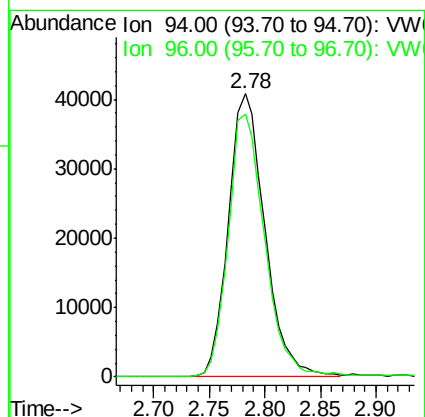
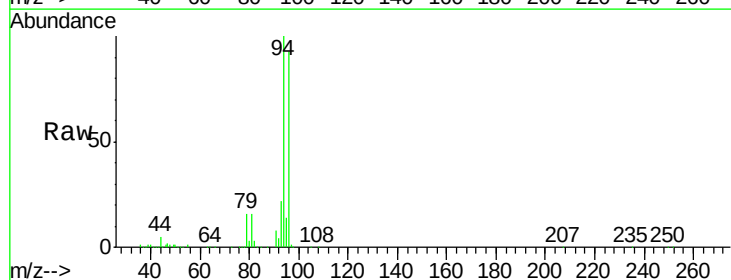
Acq: 21 Jun 2018 02:13

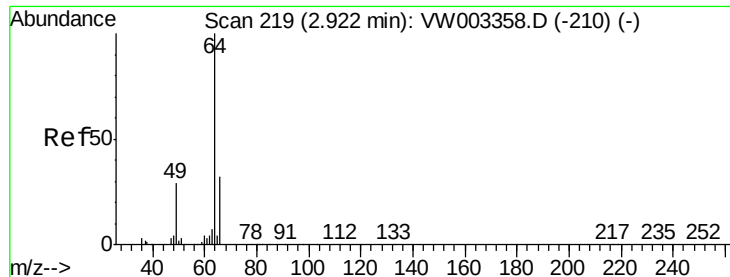
Tgt Ion: 94 Resp: 92905

Ion Ratio Lower Upper

94 100

96 92.2 9.5 180.3





#8

Chloroethane

Concen: 25.157 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

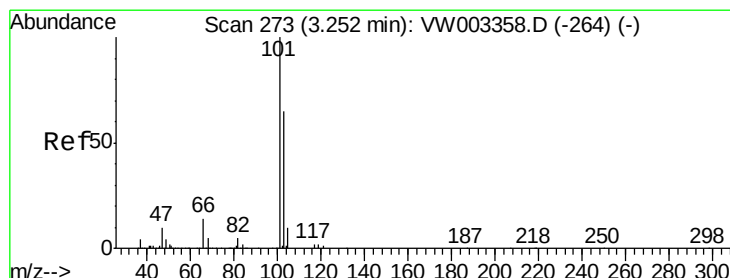
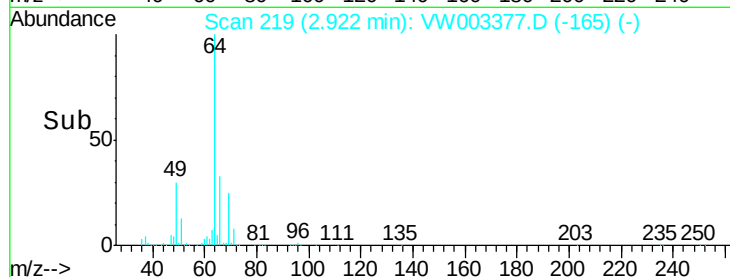
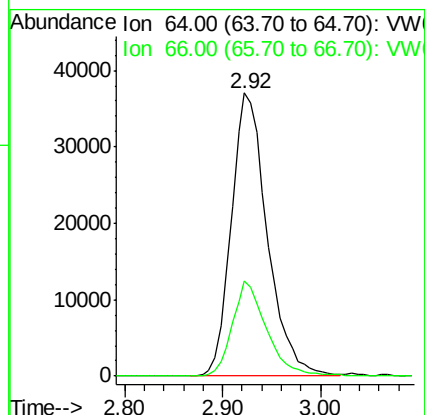
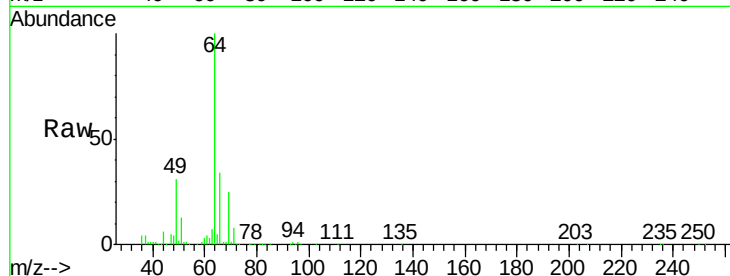
VSTD02589

Tgt Ion: 64 Resp: 94097

Ion Ratio Lower Upper

64 100

66 33.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 20.847 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW003377.D

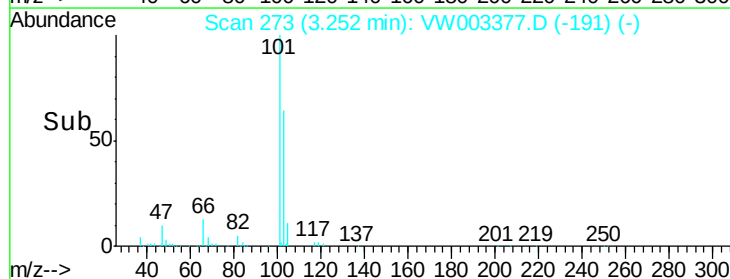
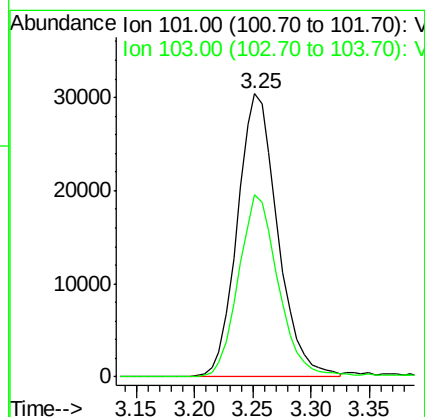
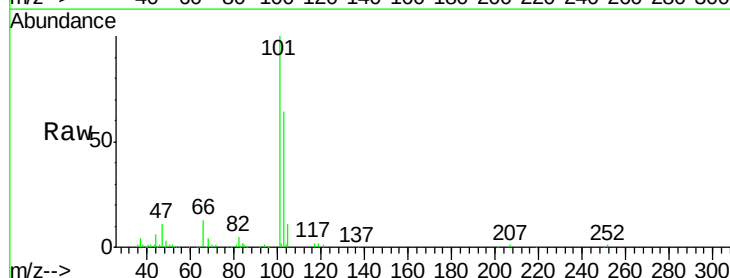
Acq: 21 Jun 2018 02:13

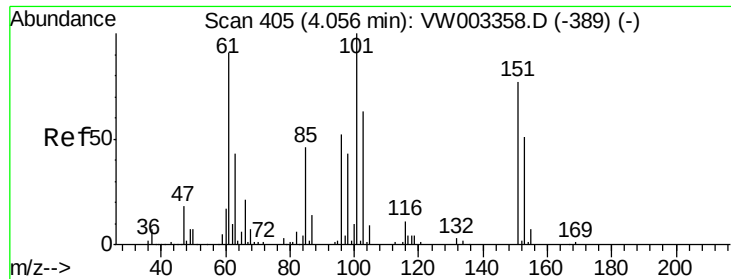
Tgt Ion: 101 Resp: 73403

Ion Ratio Lower Upper

101 100

103 63.6 45.1 83.7





#11

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

Concen: 23.503 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

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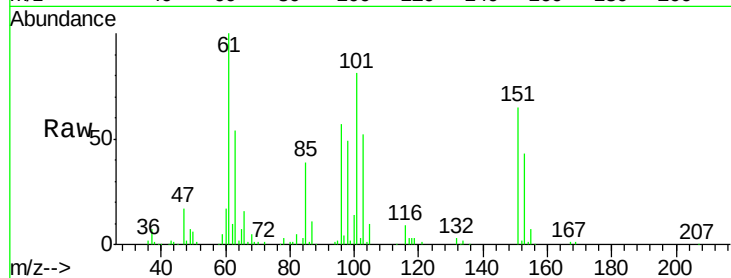
Tgt Ion:101 Resp: 111733

Ion Ratio Lower Upper

101 100

85 47.2 35.4 53.0

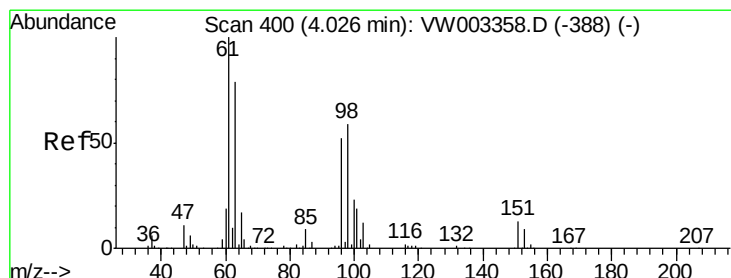
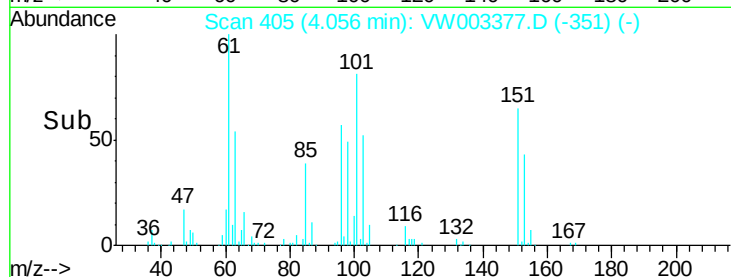
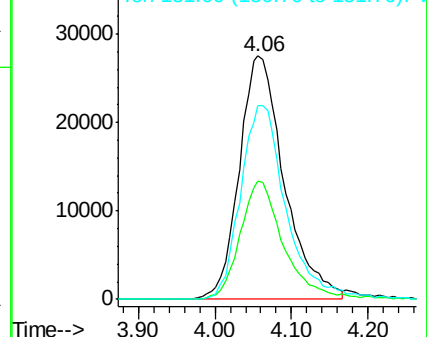
151 78.5 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.402 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

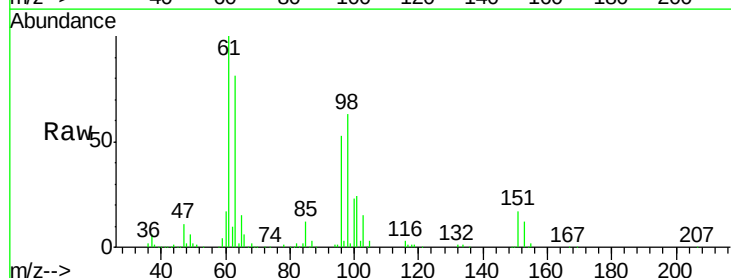
Tgt Ion: 96 Resp: 109652

Ion Ratio Lower Upper

96 100

61 187.3 124.1 230.5

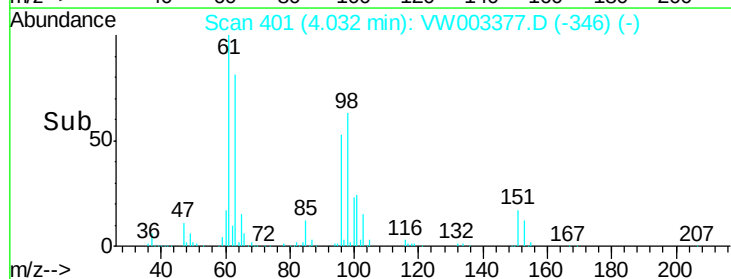
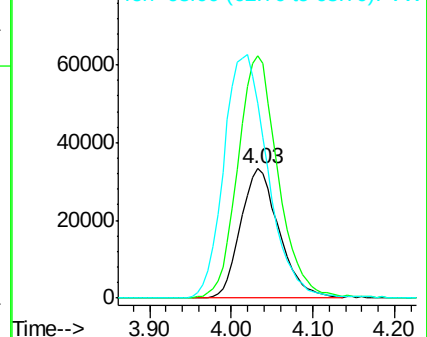
63 151.1 93.1 172.9

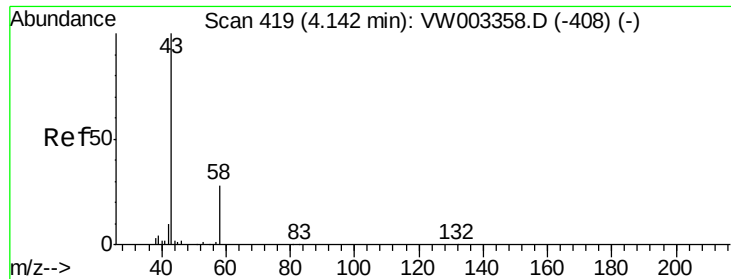


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.592 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.00 min

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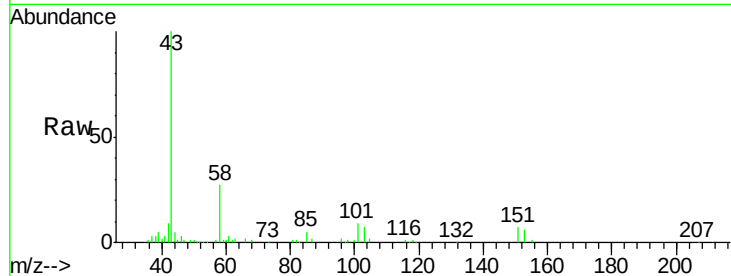
VSTD02589

Tgt Ion: 43 Resp: 77932

Ion Ratio Lower Upper

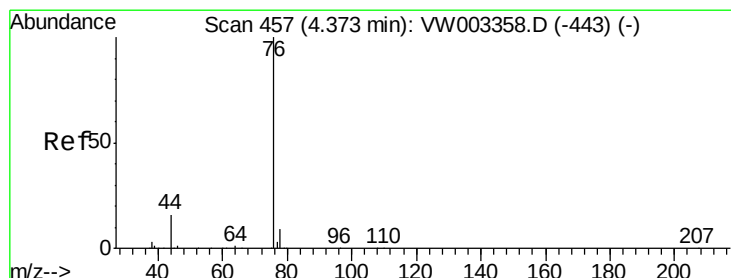
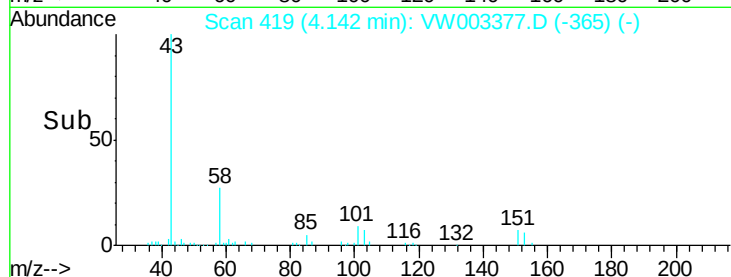
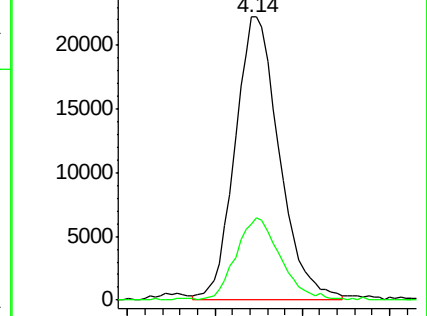
43 100

58 28.6 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.516 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW003377.D

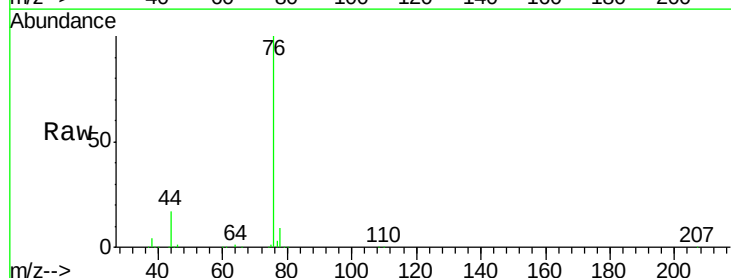
Acq: 21 Jun 2018 02:13

Tgt Ion: 76 Resp: 355409

Ion Ratio Lower Upper

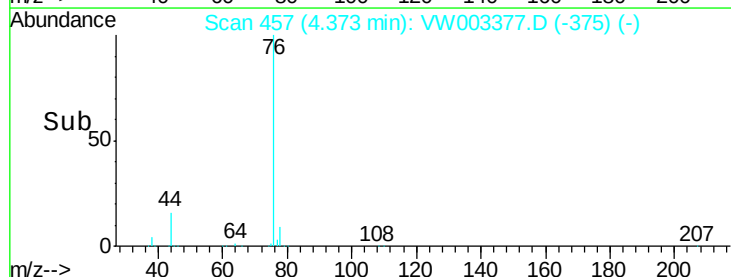
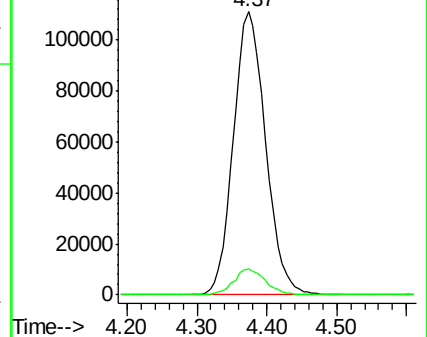
76 100

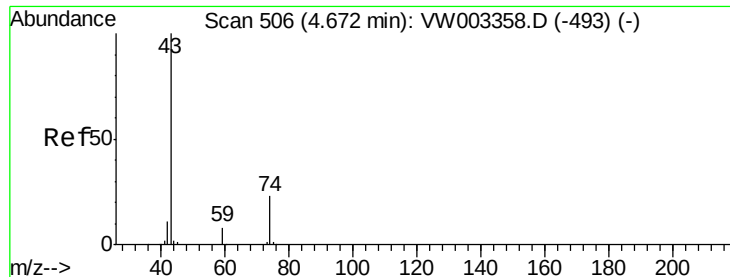
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

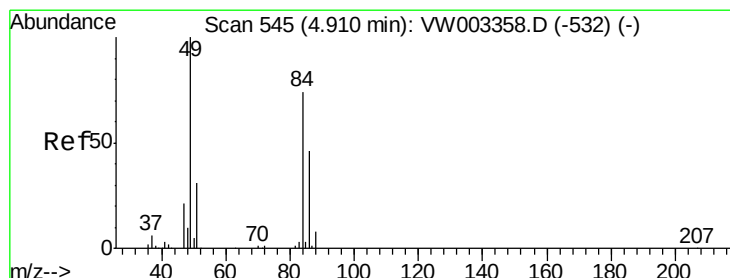
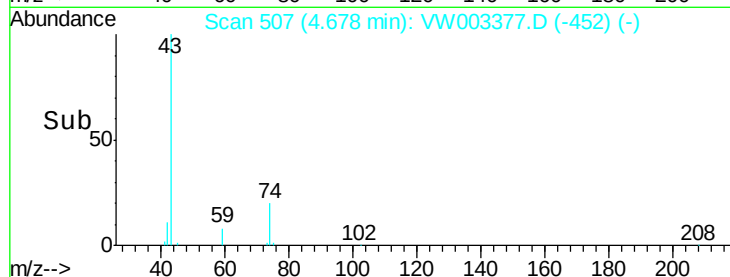
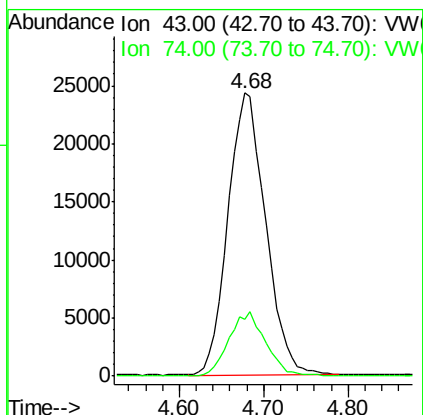
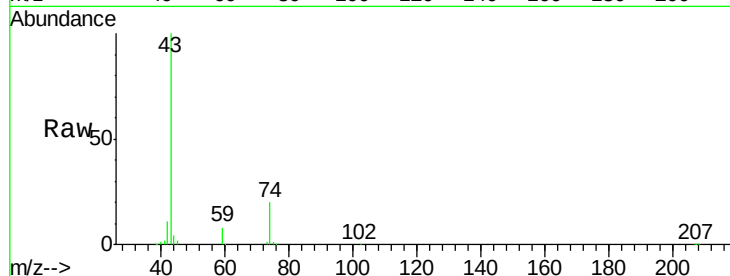




#15
Methyl Acetate
Concen: 27.480 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

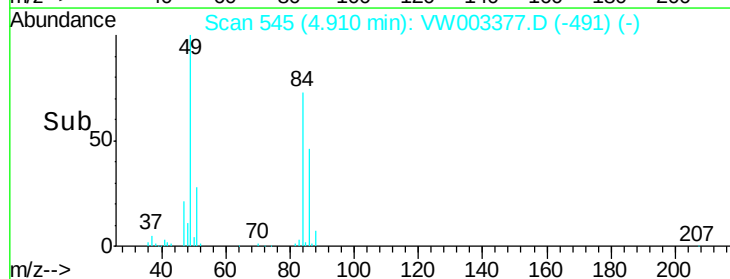
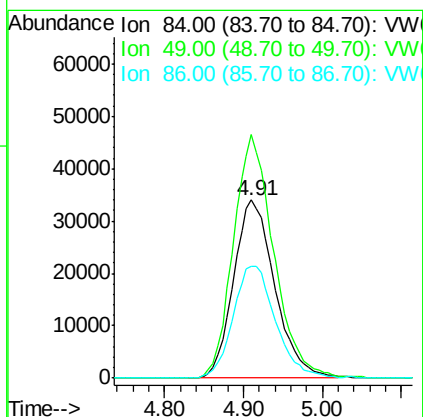
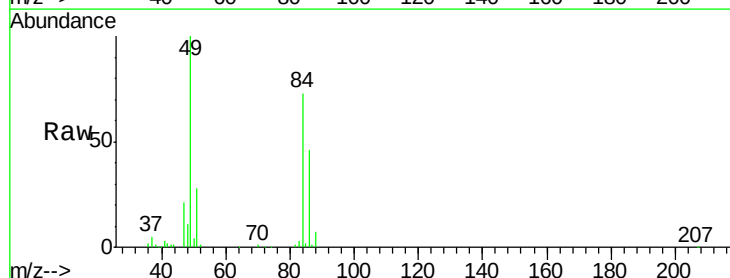
Instrument :
MSVOA_W
ClientSampled :
VSTD02589

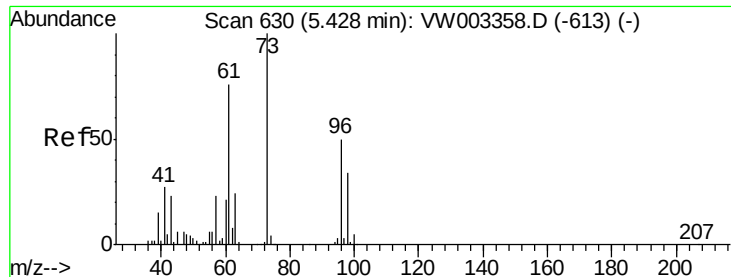
Tgt Ion: 43 Resp: 73757
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3



#16
Methylene chloride
Concen: 24.975 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Tgt Ion: 84 Resp: 123706
Ion Ratio Lower Upper
84 100
49 136.9 88.7 164.7
86 63.1 44.2 82.0

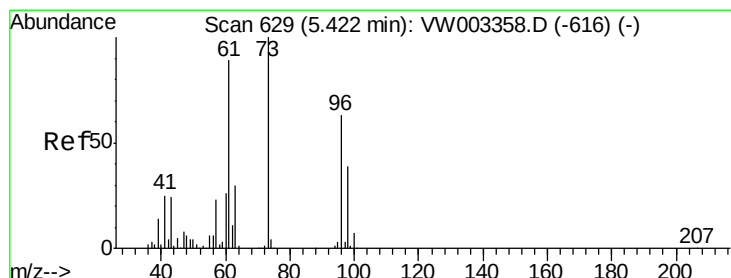
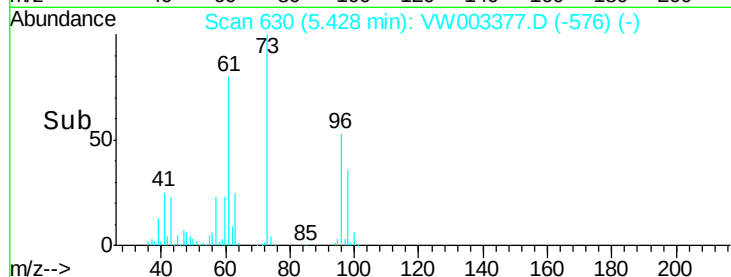
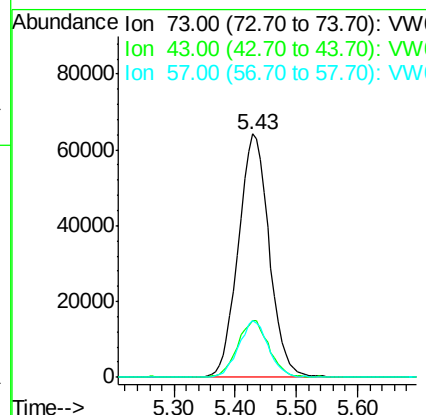
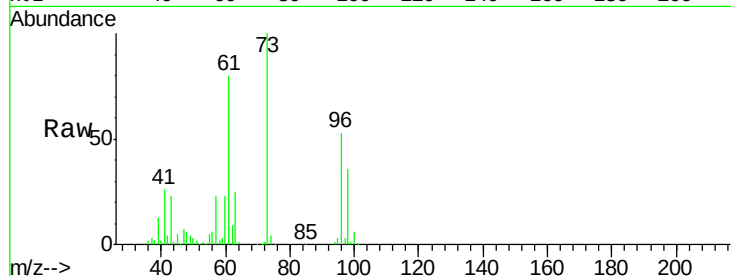




#17
Methyl tert-butyl Ether
Concen: 27.002 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

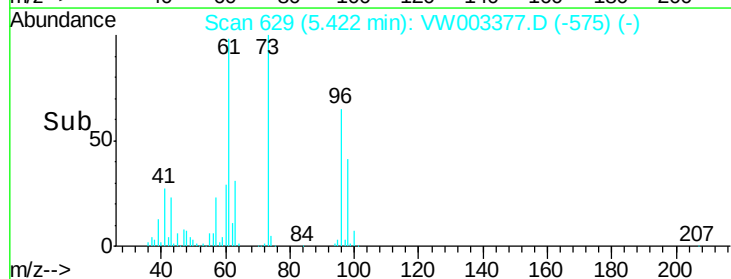
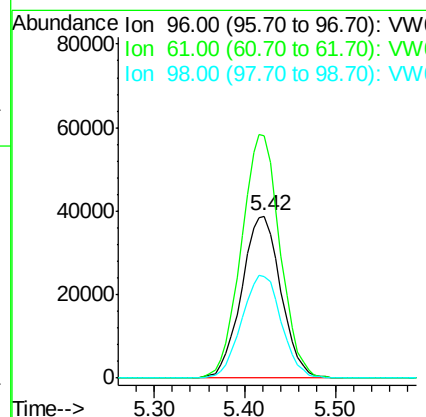
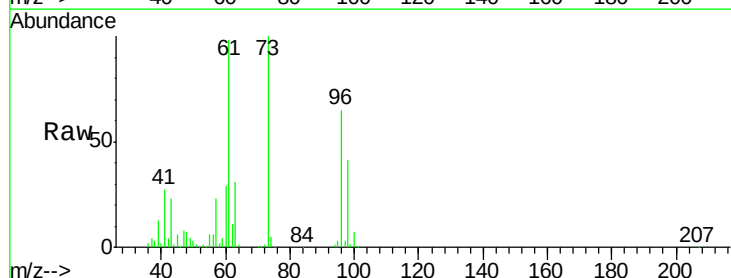
Instrument :
MSVOA_W
ClientSampled :
VSTD02589

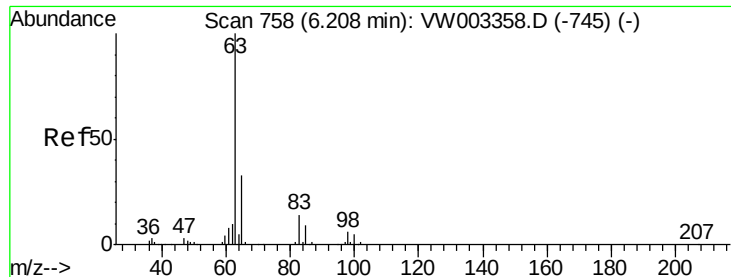
Tgt Ion: 73 Resp: 223863
Ion Ratio Lower Upper
73 100
43 23.7 18.6 27.8
57 22.4 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 24.897 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Tgt Ion: 96 Resp: 116568
Ion Ratio Lower Upper
96 100
61 149.5 98.0 182.0
98 62.6 44.2 82.2

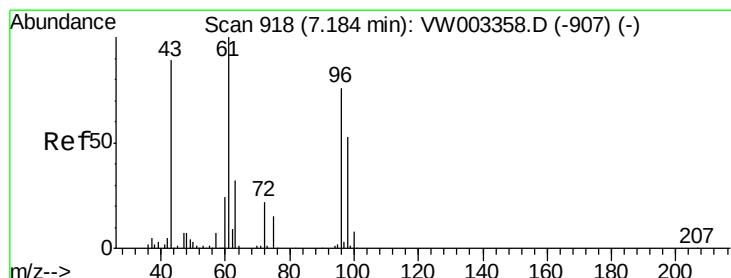
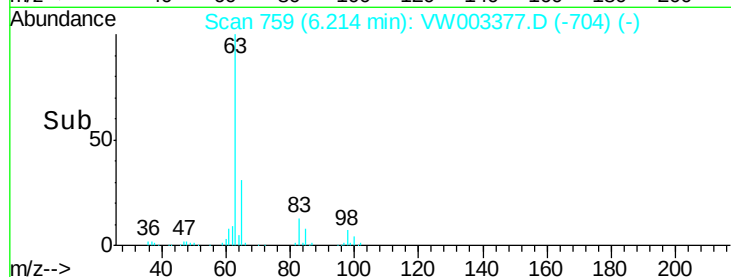
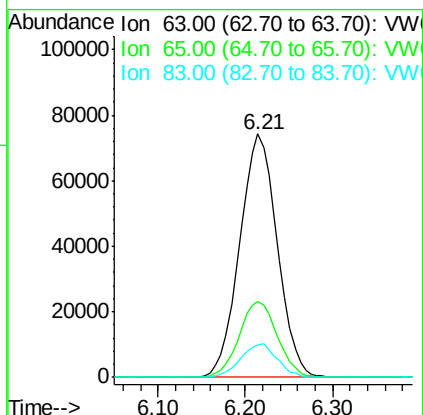
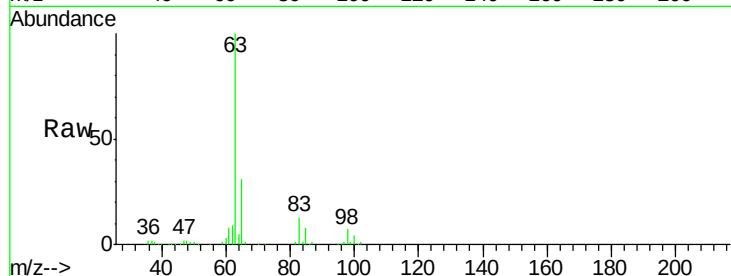




#19
 1,1-Dichloroethane
 Concen: 25.264 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

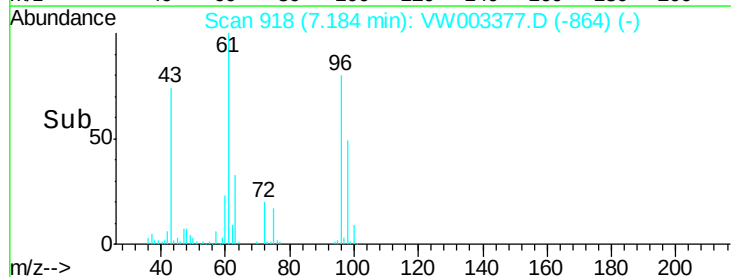
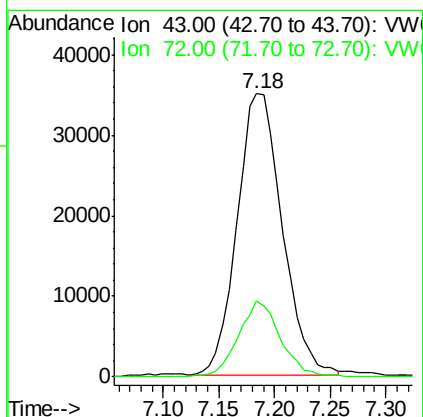
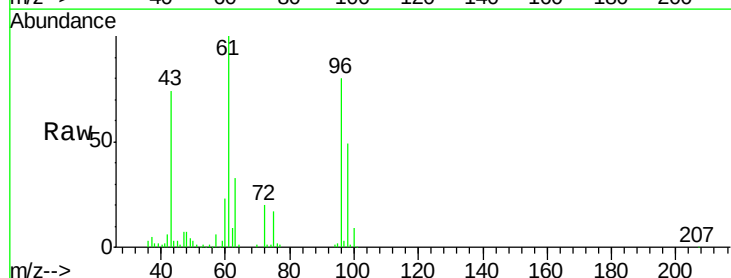
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

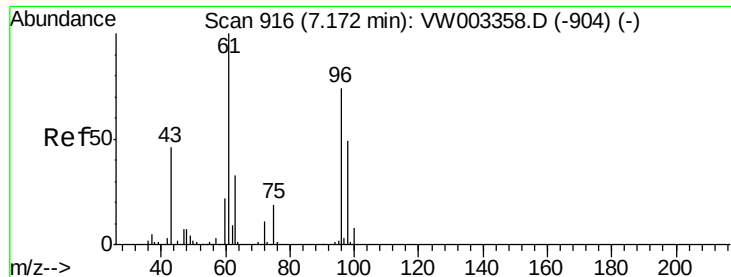
Tgt Ion: 63 Resp: 220741
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.4
 83 13.3 9.0 16.6



#21
 2-Butanone
 Concen: 51.032 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion: 43 Resp: 98198
 Ion Ratio Lower Upper
 43 100
 72 25.2 12.5 37.5



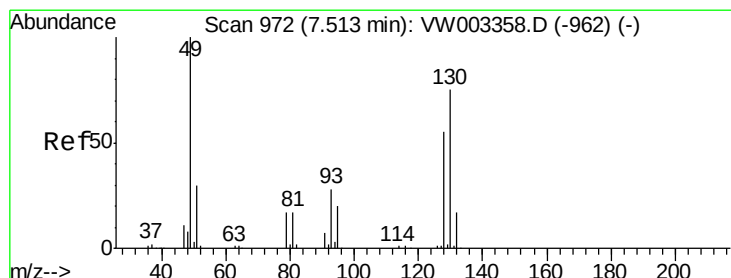
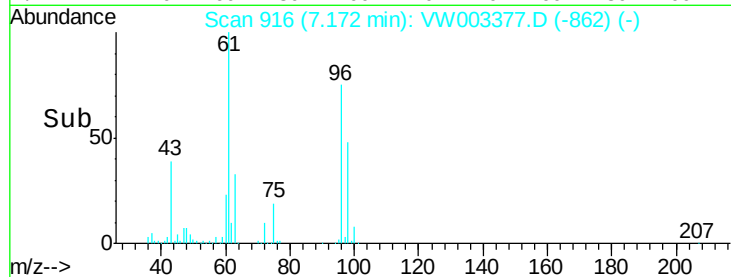
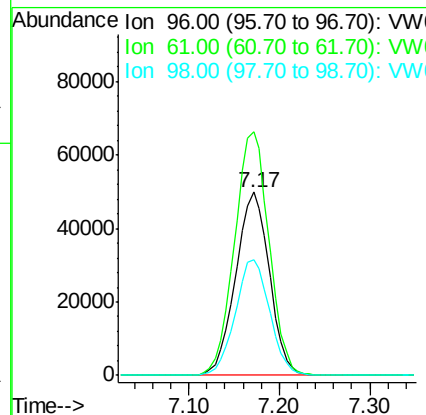
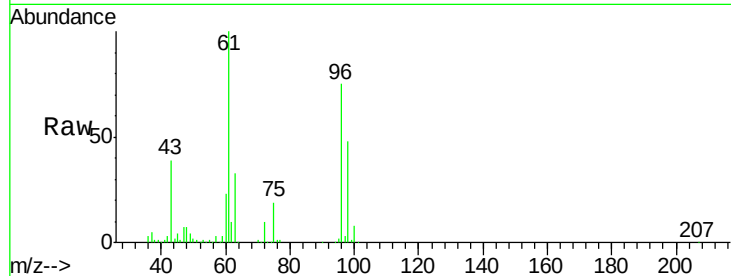


#22

cis-1,2-Dichloroethene
 Concen: 25.890 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

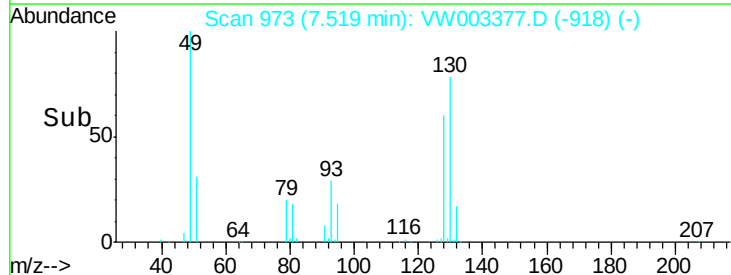
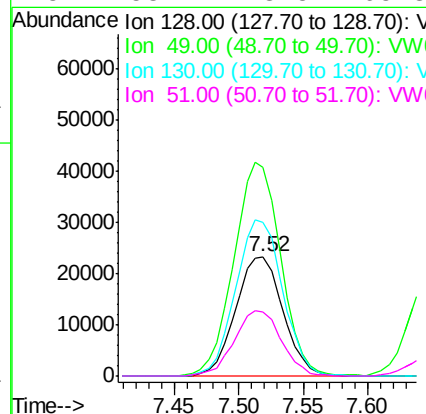
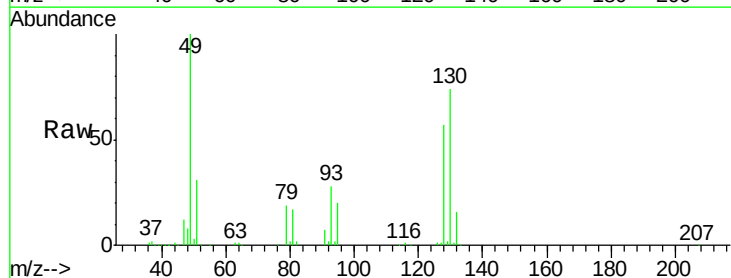
Tgt Ion: 96 Resp: 128825
 Ion Ratio Lower Upper
 96 100
 61 133.1 97.7 181.5
 98 63.2 45.0 83.6

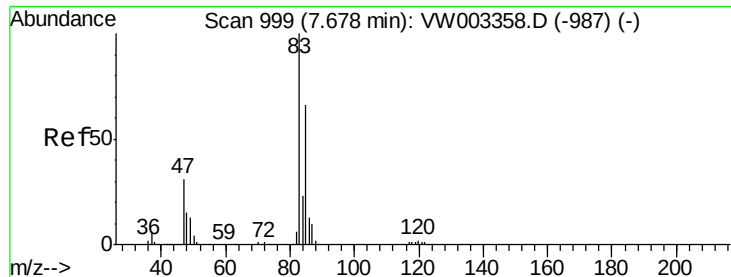


#23

Bromochloromethane
 Concen: 25.645 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion:128 Resp: 59029
 Ion Ratio Lower Upper
 128 100
 49 174.5 122.0 226.6
 130 129.0 88.1 163.5
 51 53.7 43.5 65.3





#25

Chloroform

Concen: 25.666 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

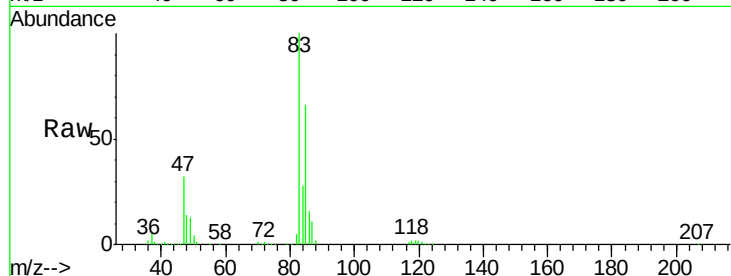
VSTD02589

Tgt Ion: 83 Resp: 230558

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

100000

80000

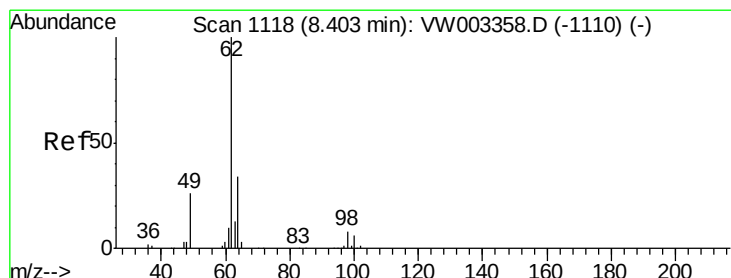
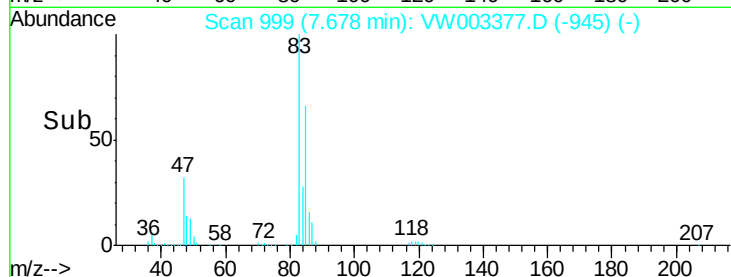
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 26.591 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003377.D

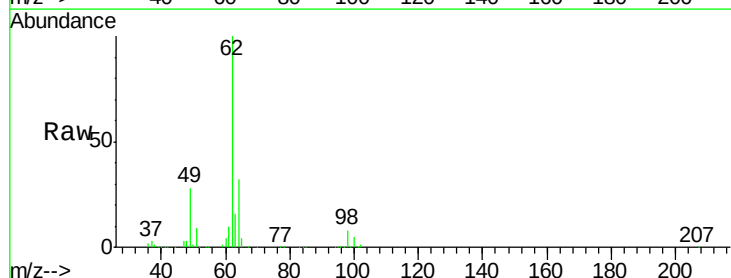
Acq: 21 Jun 2018 02:13

Tgt Ion: 62 Resp: 172979

Ion Ratio Lower Upper

62 100

98 8.3 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

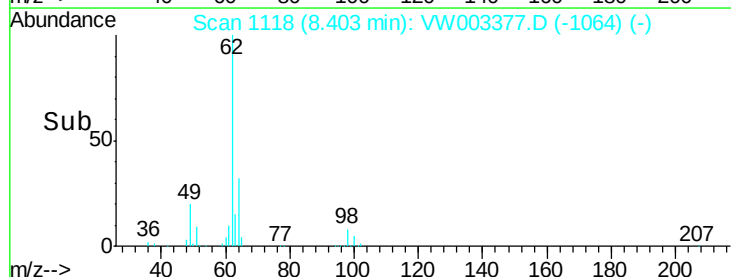
60000

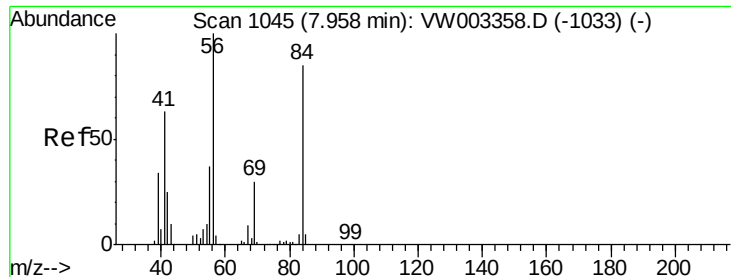
40000

20000

0

Time-->

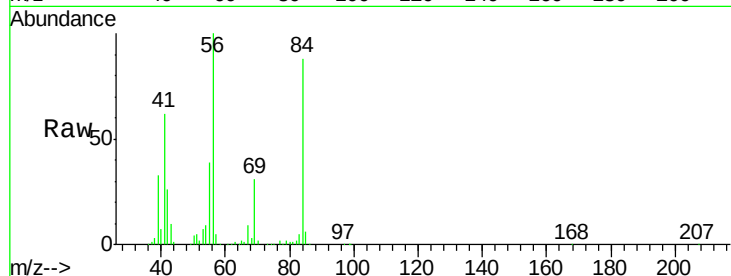




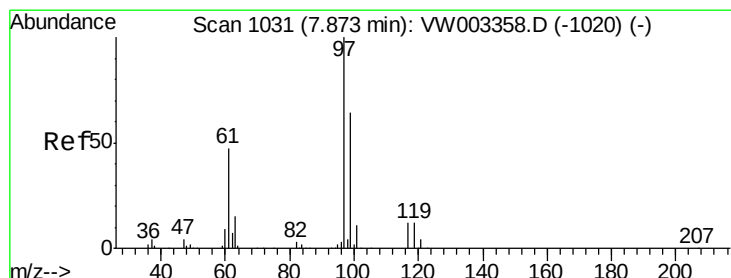
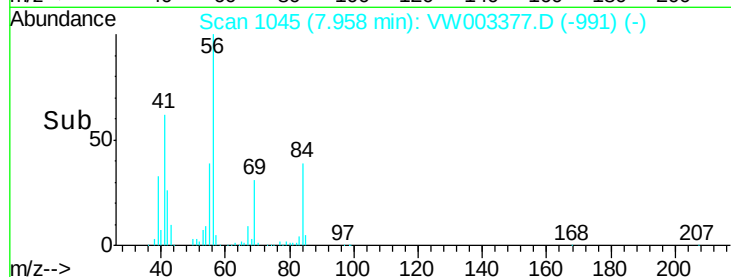
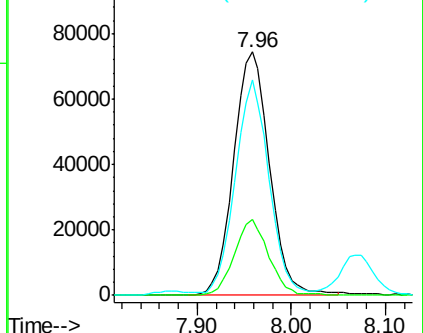
#30
Cyclohexane
Concen: 24.986 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Tgt Ion: 56 Resp: 197091
Ion Ratio Lower Upper
56 100
69 29.8 23.4 35.2
84 83.6 67.4 101.0

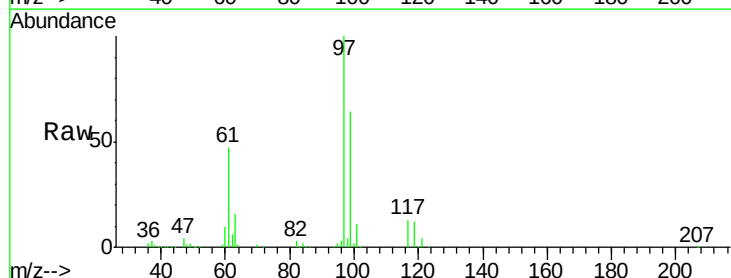


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

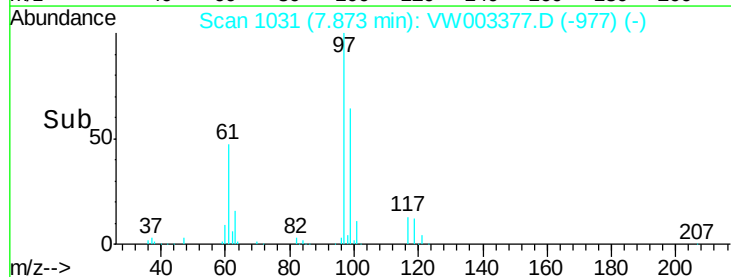
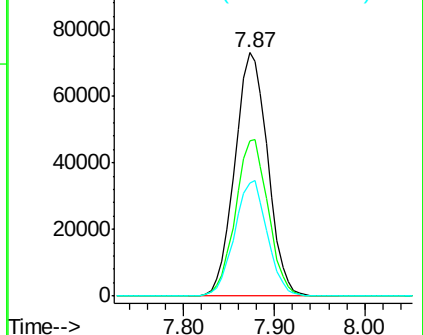


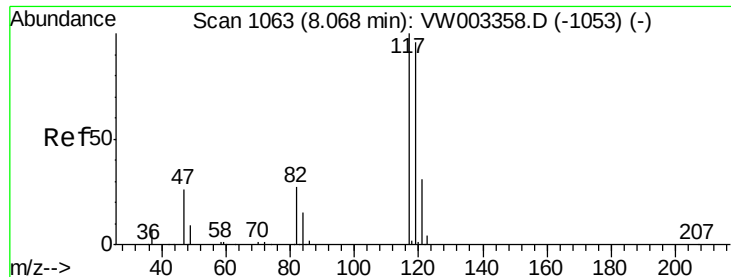
#31
1,1,1-Trichloroethane
Concen: 24.463 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Tgt Ion: 97 Resp: 183626
Ion Ratio Lower Upper
97 100
99 64.1 50.9 76.3
61 47.2 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.995 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

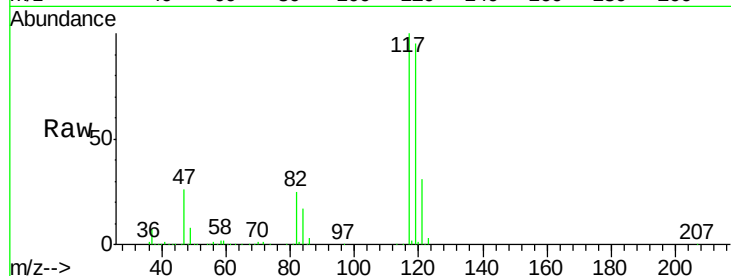
VSTD02589

Tgt Ion:117 Resp: 174004

Ion Ratio Lower Upper

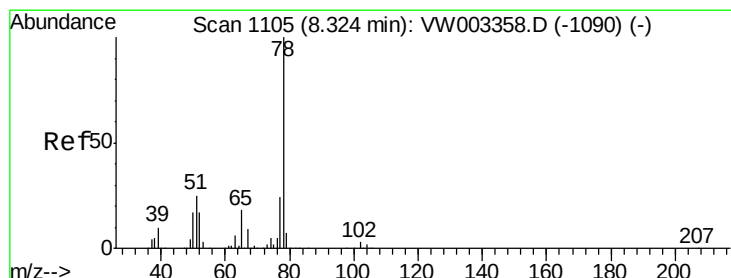
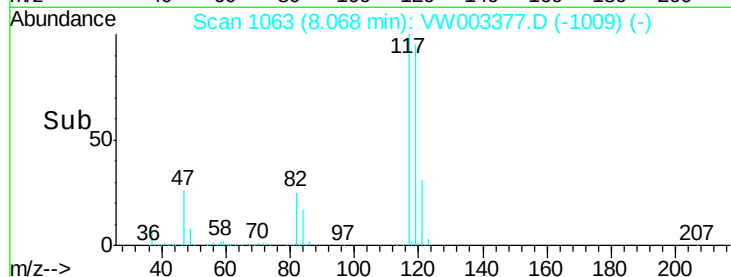
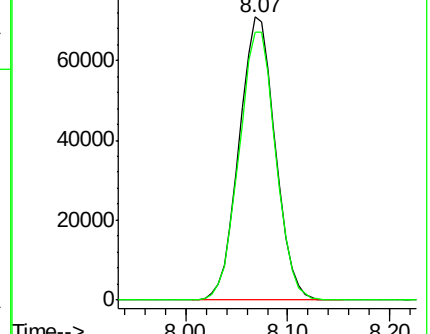
117 100

119 96.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.605 ug/L

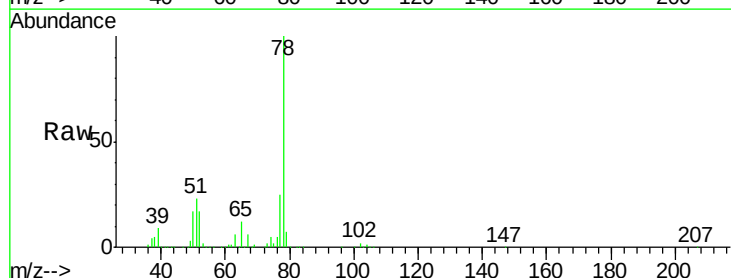
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

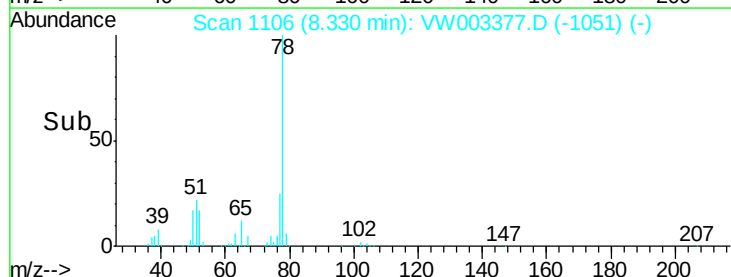
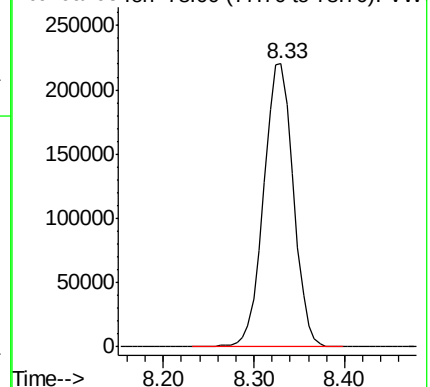
Lab File: VW003377.D

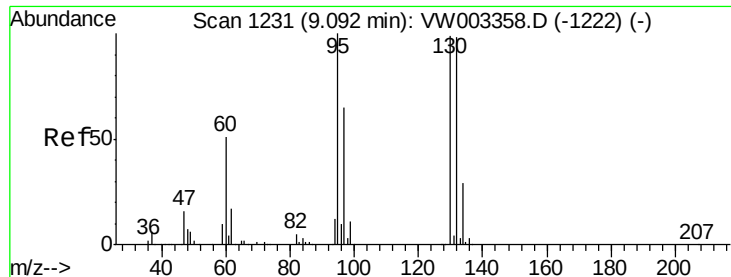
Acq: 21 Jun 2018 02:13

Tgt Ion: 78 Resp: 498855



Abundance Ion 78.00 (77.70 to 78.70): VW

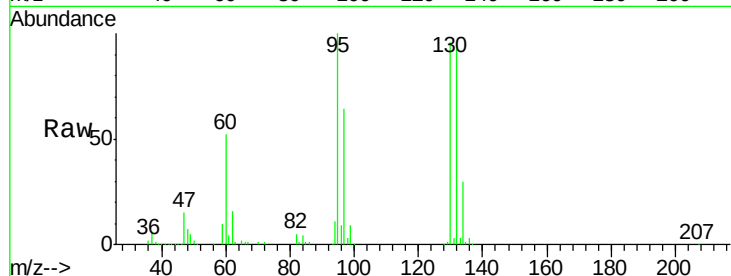




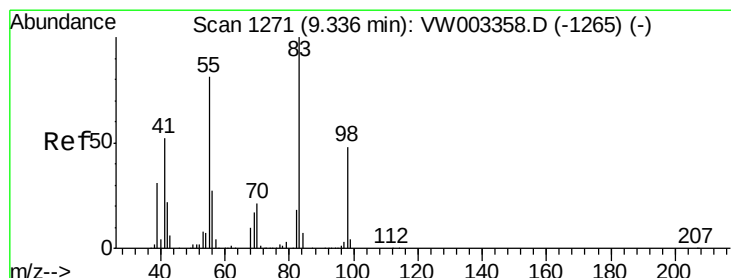
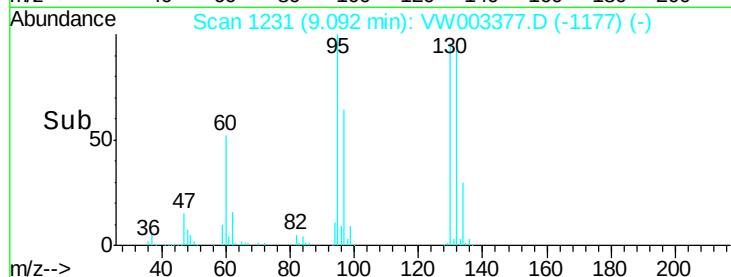
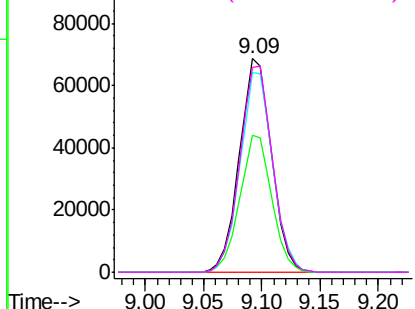
#35
 Trichloroethene
 Concen: 25.171 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02589

Tgt Ion:	95	Resp:	132174
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.6	84.6
132	94.7	67.8	125.8
130	97.8	70.6	131.0

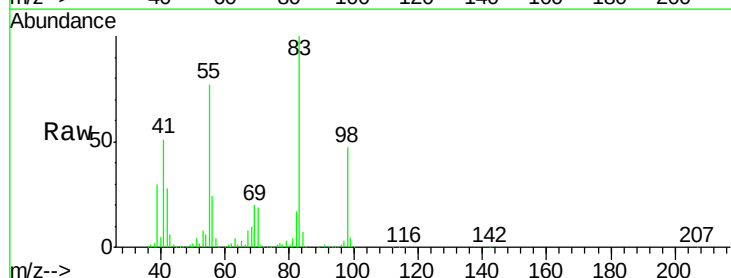


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

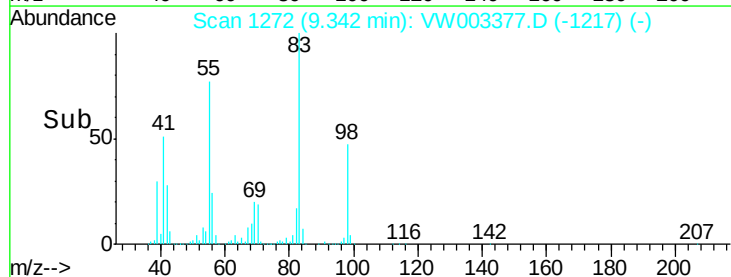
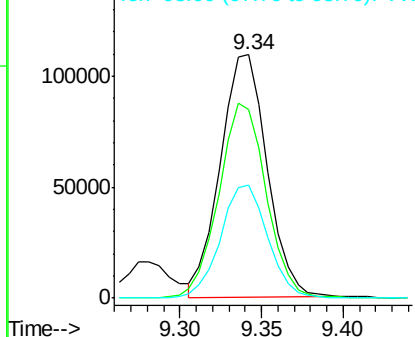


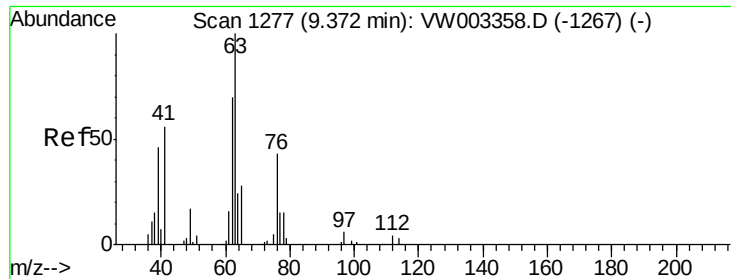
#36
 Methylcyclohexane
 Concen: 24.431 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion:	83	Resp:	219013
Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.9	95.9
98	47.4	37.1	55.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

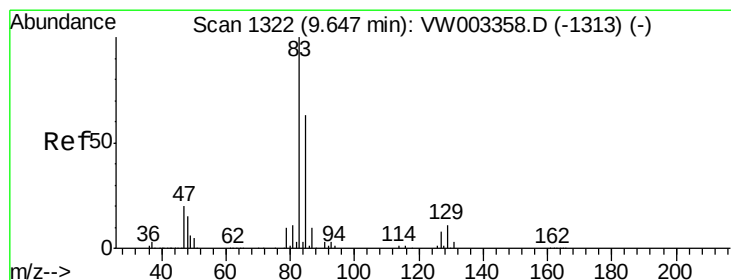
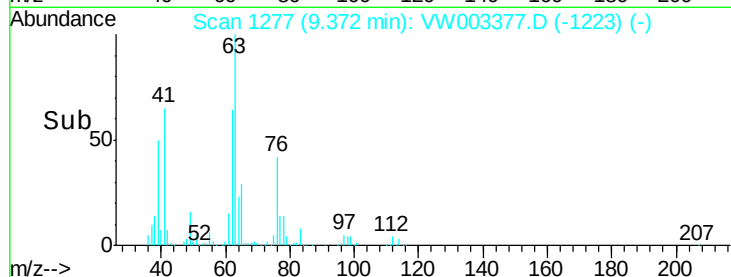
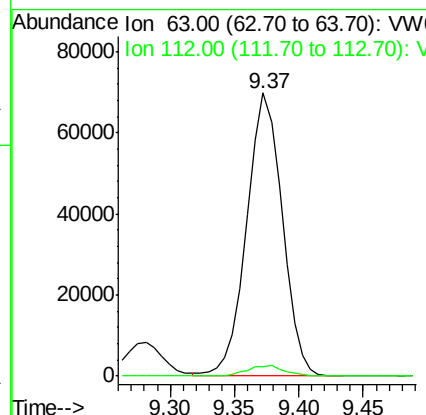
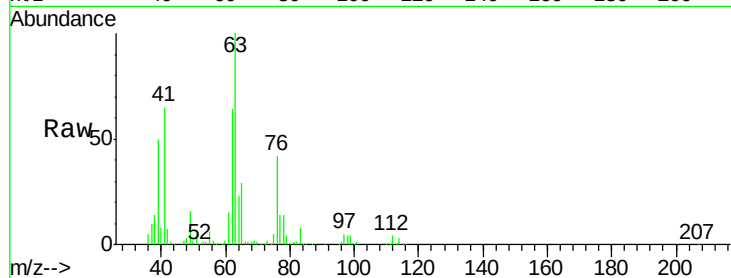




#40
 1,2-Dichloropropane
 Concen: 26.175 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

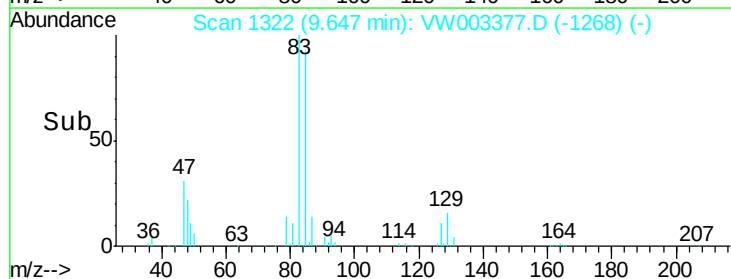
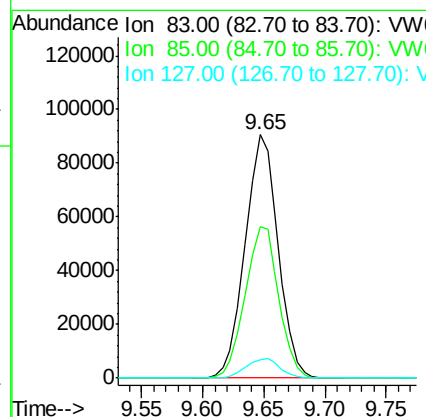
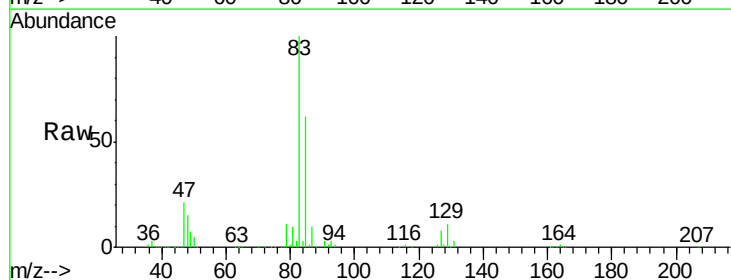
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

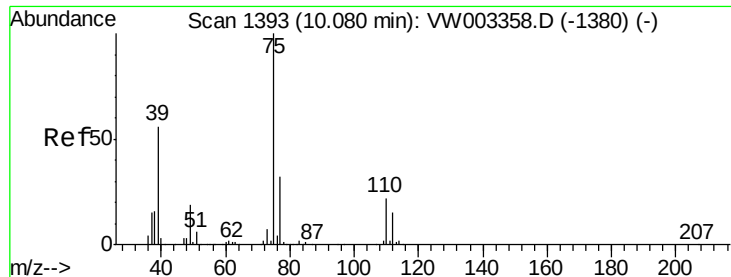
Tgt Ion: 63 Resp: 134200
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.681 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion: 83 Resp: 169239
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.7 83.1
 127 7.7 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 25.700 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

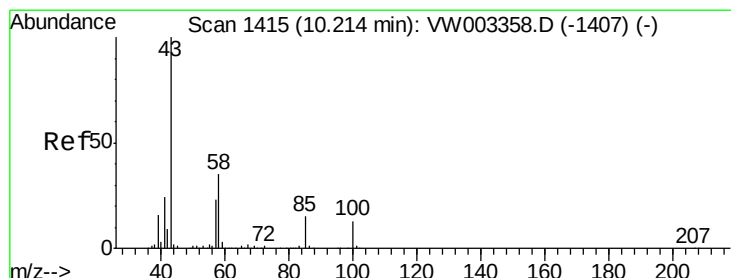
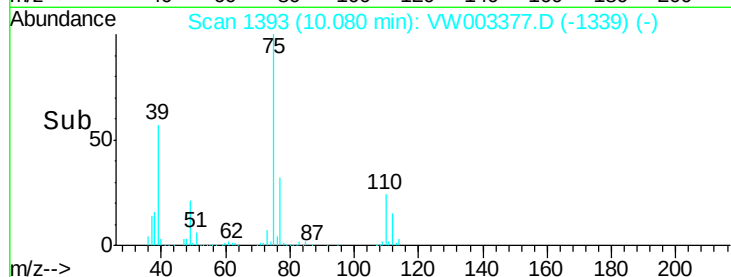
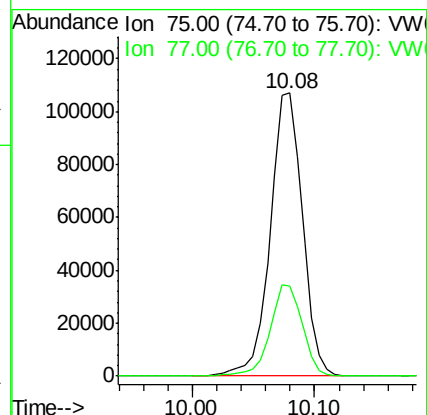
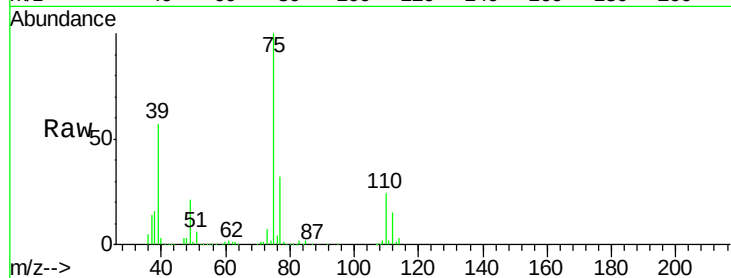
VSTD02589

Tgt Ion: 75 Resp: 196646

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 57.200 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

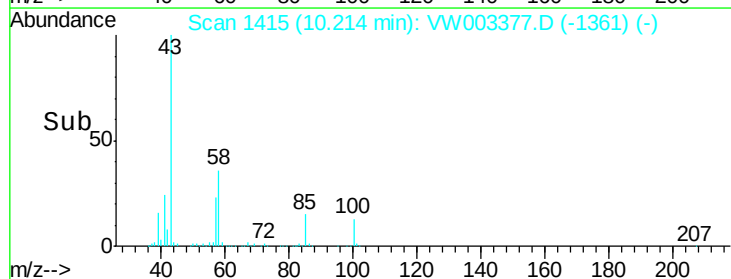
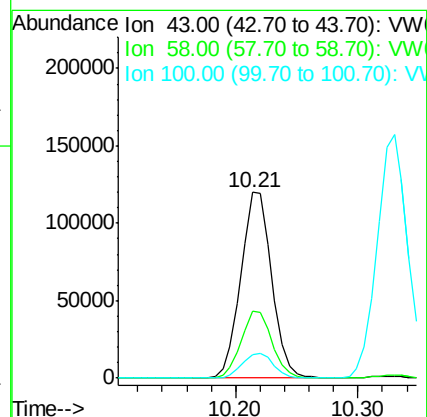
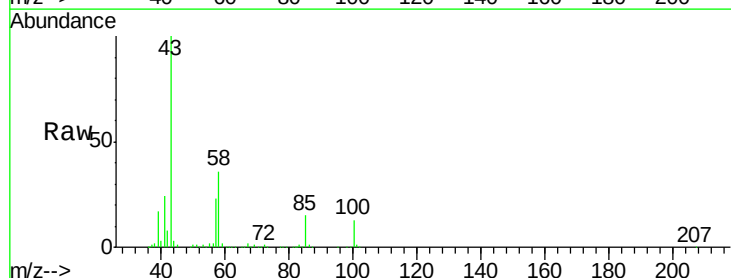
Tgt Ion: 43 Resp: 209516

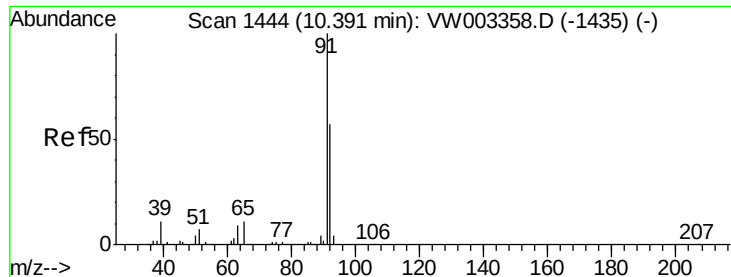
Ion Ratio Lower Upper

43 100

58 36.0 28.7 43.1

100 13.5 11.1 16.7





#44

Toluene

Concen: 25.882 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

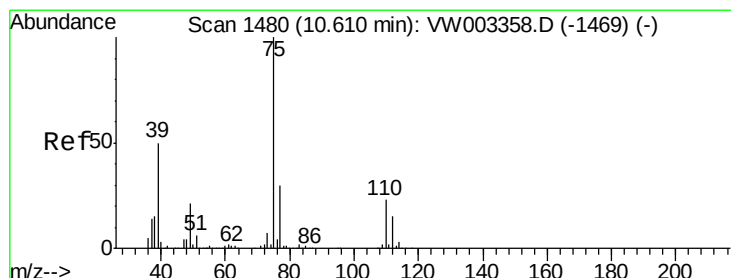
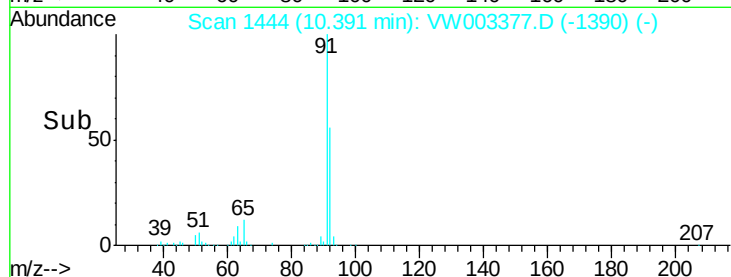
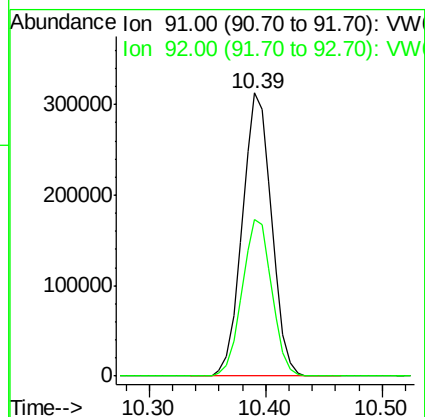
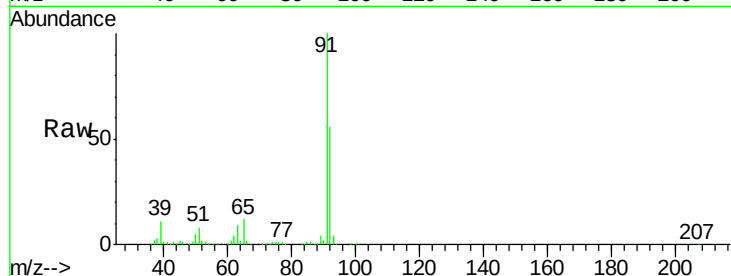
VSTD02589

Tgt Ion: 91 Resp: 546875

Ion Ratio Lower Upper

91 100

92 55.6 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 26.580 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003377.D

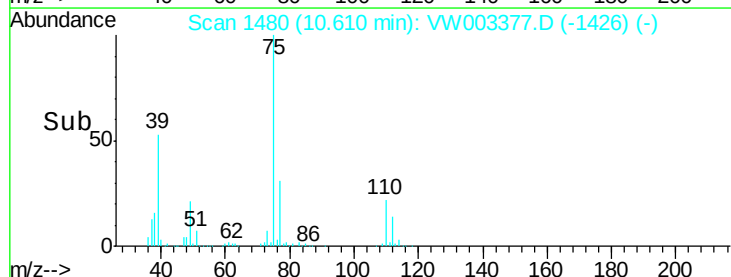
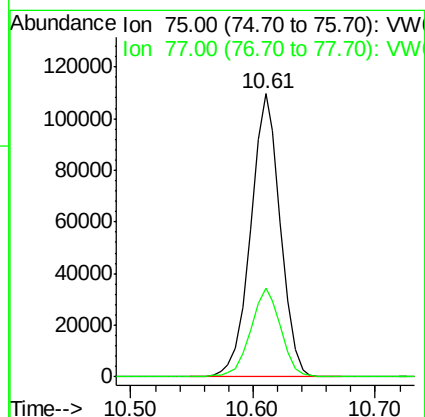
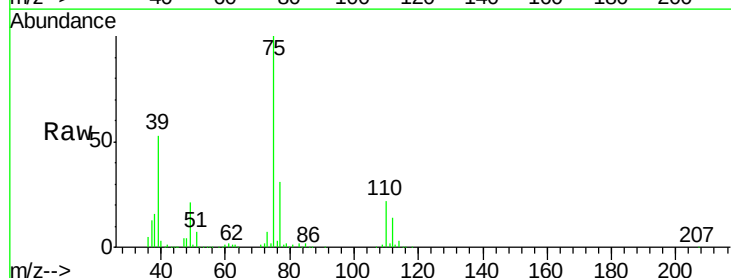
Acq: 21 Jun 2018 02:13

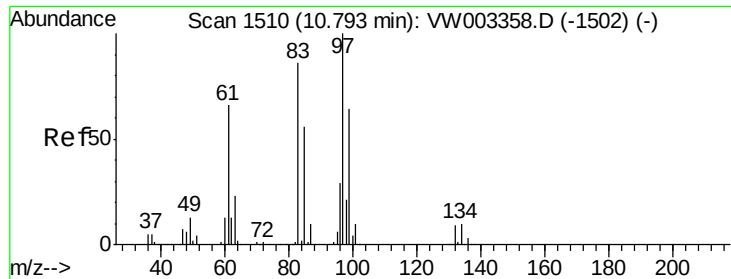
Tgt Ion: 75 Resp: 184037

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 26.315 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 97 Resp: 100721

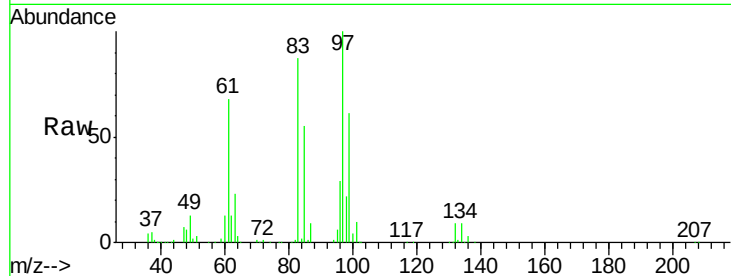
Ion Ratio Lower Upper

97 100

83 86.5 58.8 109.2

85 55.1 38.8 72.0

99 60.7 43.8 81.3

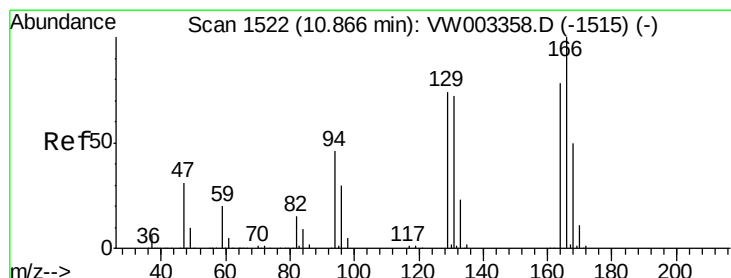
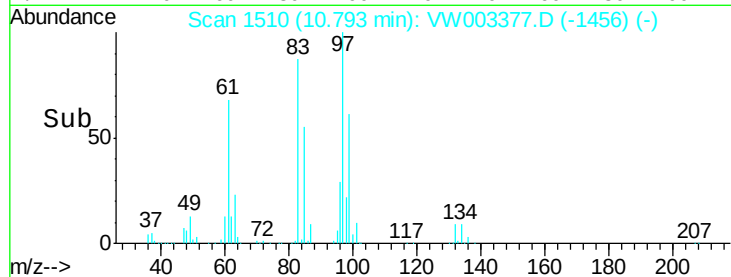
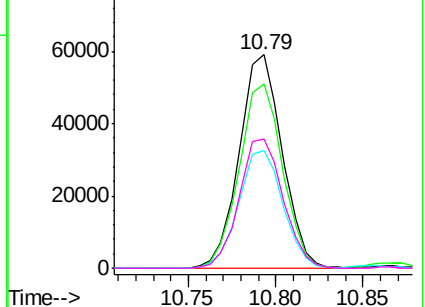


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.088 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Tgt Ion: 164 Resp: 106294

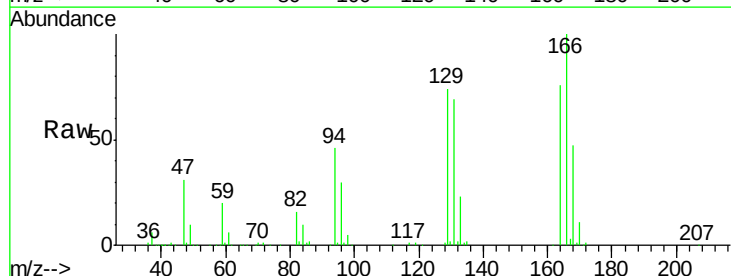
Ion Ratio Lower Upper

164 100

129 97.2 67.3 124.9

131 90.4 63.8 118.4

166 131.5 90.2 167.4

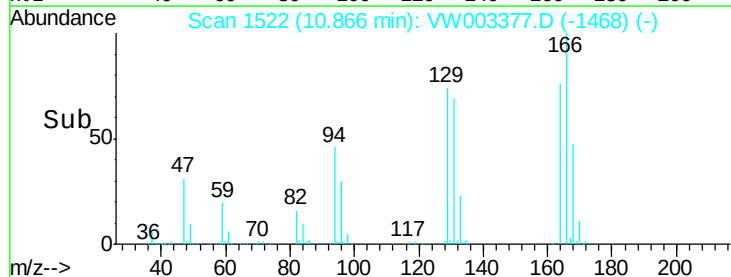
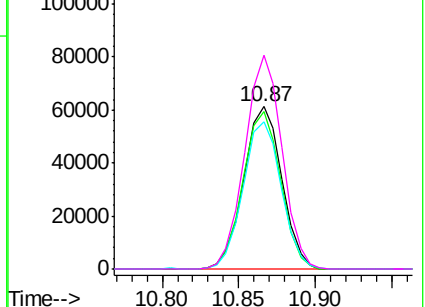


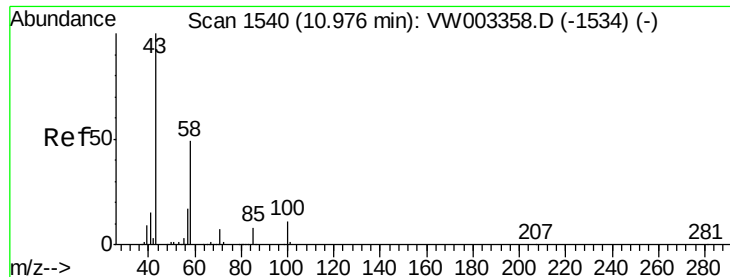
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

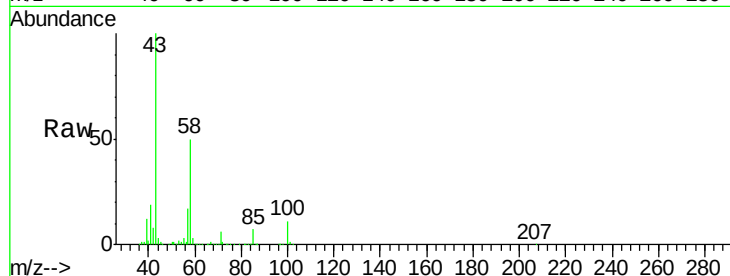




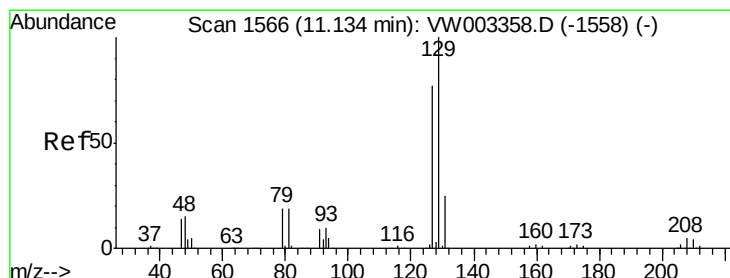
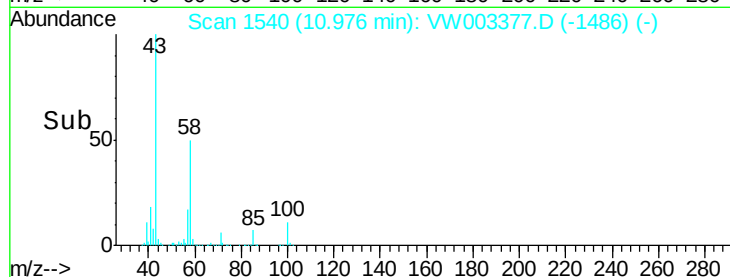
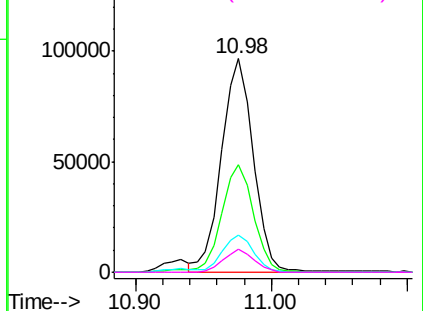
#49
2-Hexanone
Concen: 57.215 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Tgt Ion:	43	Resp:	156171
Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.4	60.6
57	17.4	14.6	21.8
100	10.3	8.6	12.8

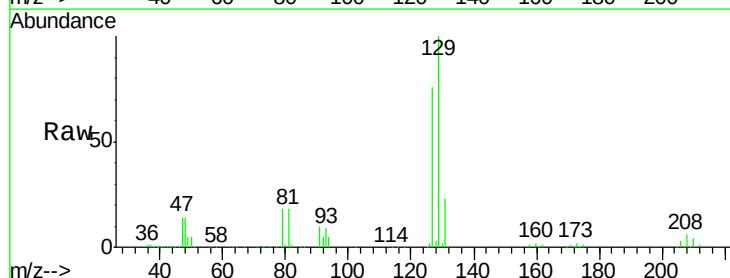


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

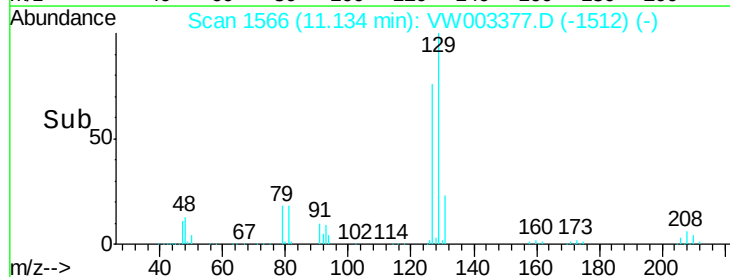
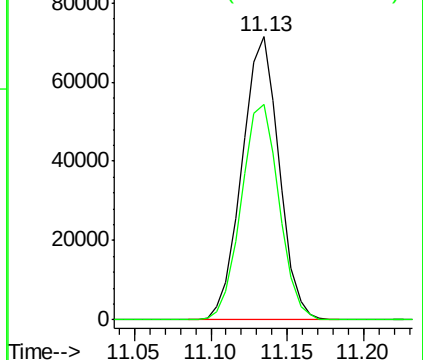


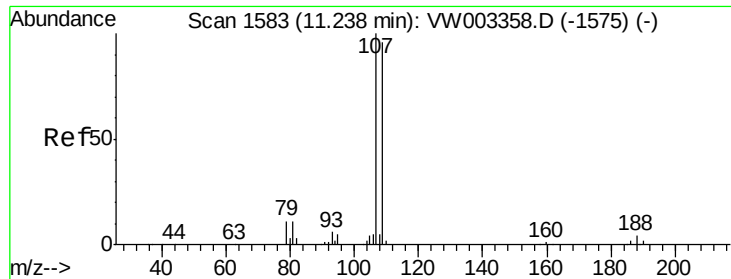
#50
Dibromochloromethane
Concen: 25.873 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Tgt Ion:	129	Resp:	120554
Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.0	104.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

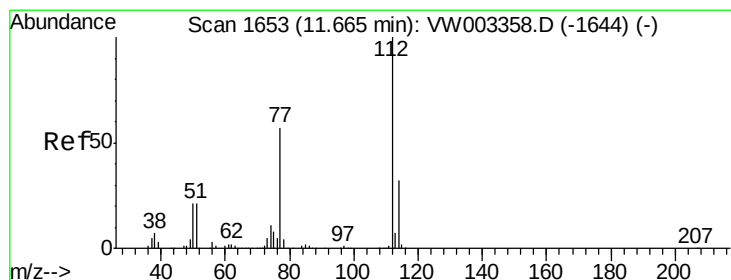
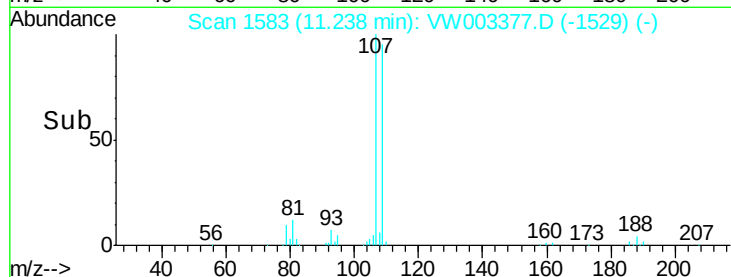
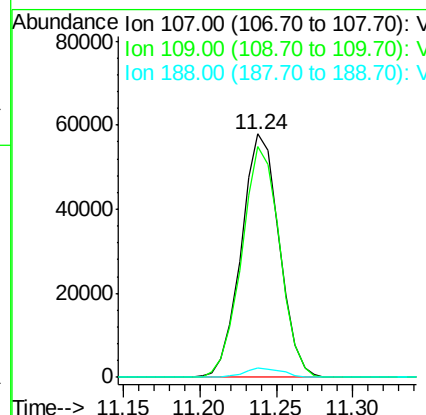
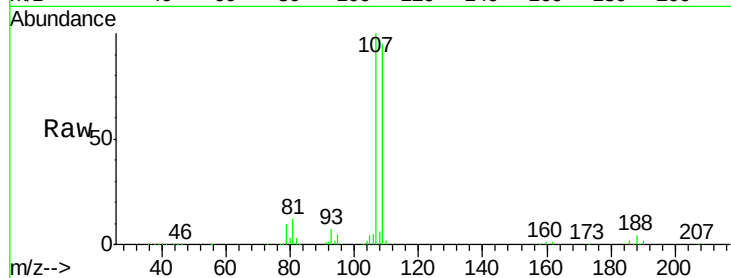




#51
1,2-Dibromoethane
Concen: 26.257 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

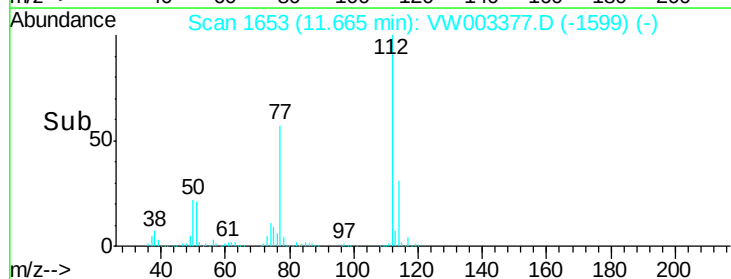
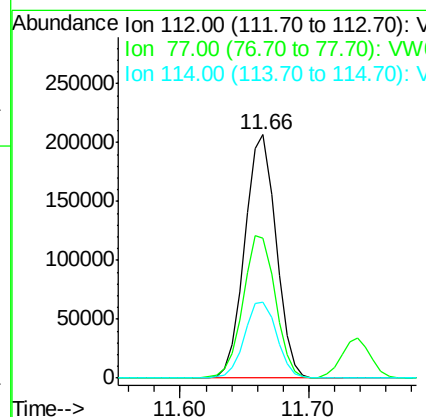
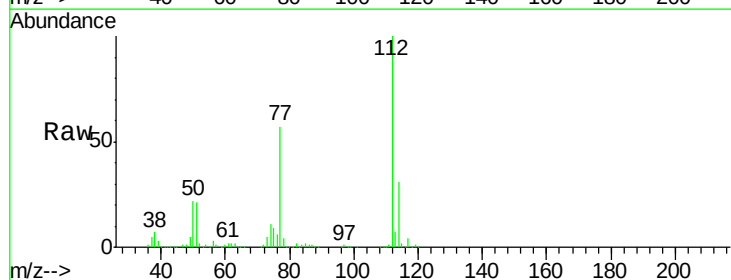
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

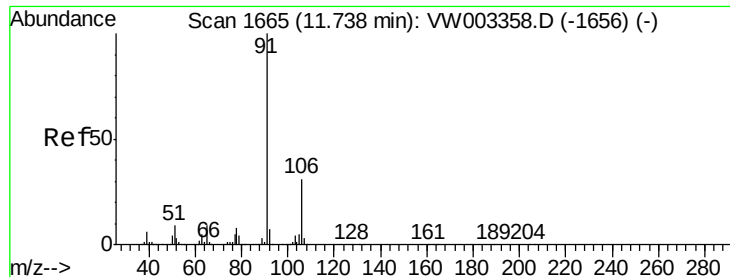
Tgt Ion:107 Resp: 99869
Ion Ratio Lower Upper
107 100
109 94.6 64.5 119.9
188 3.8 2.8 4.2



#52
Chlorobenzene
Concen: 25.319 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Tgt Ion:112 Resp: 347407
Ion Ratio Lower Upper
112 100
77 57.4 47.3 70.9
114 31.2 22.2 41.2





#53

Ethylbenzene

Concen: 26.011 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

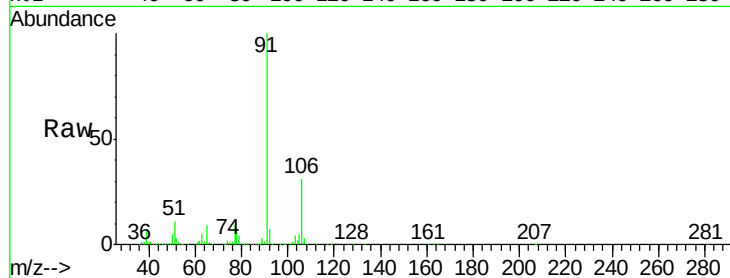
VSTD02589

Tgt Ion: 91 Resp: 616456

Ion Ratio Lower Upper

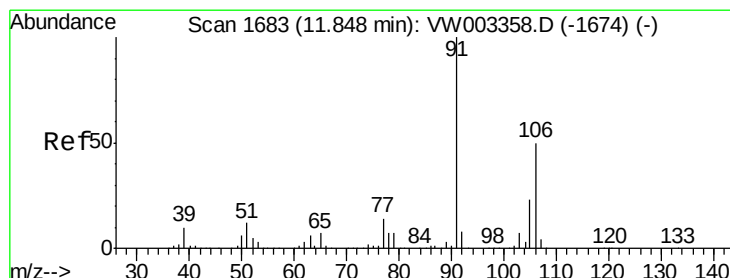
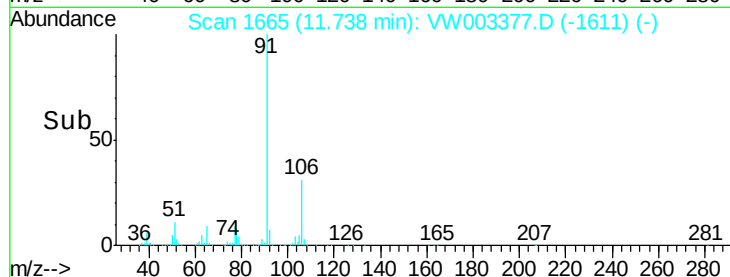
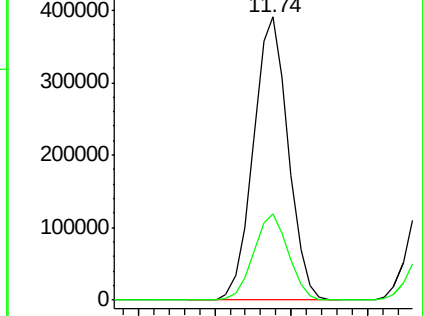
91 100

106 30.6 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.163 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003377.D

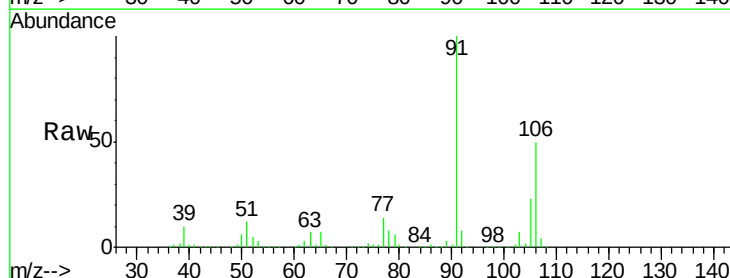
Acq: 21 Jun 2018 02:13

Tgt Ion: 106 Resp: 230297

Ion Ratio Lower Upper

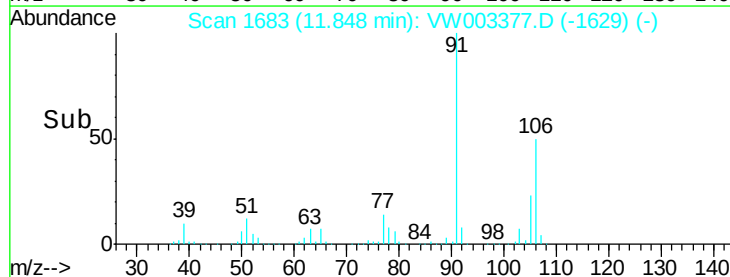
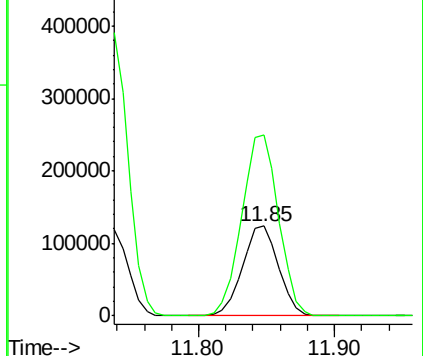
106 100

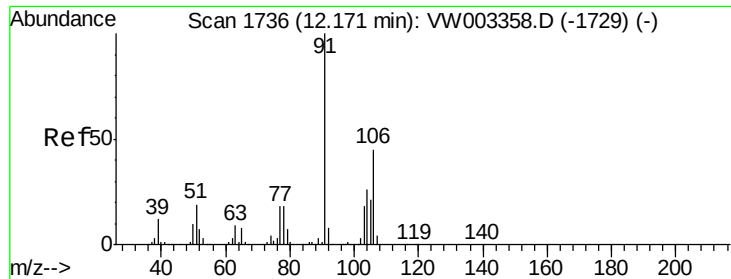
91 200.7 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

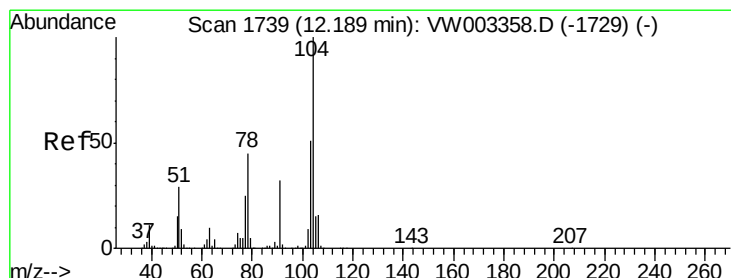
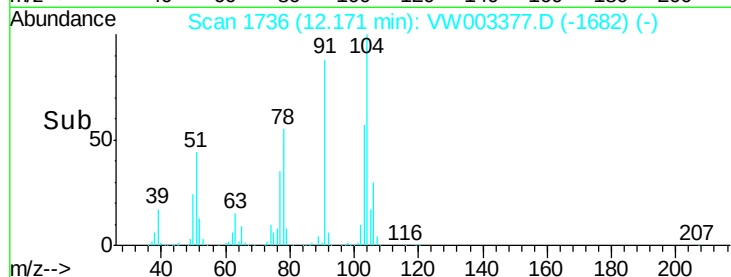
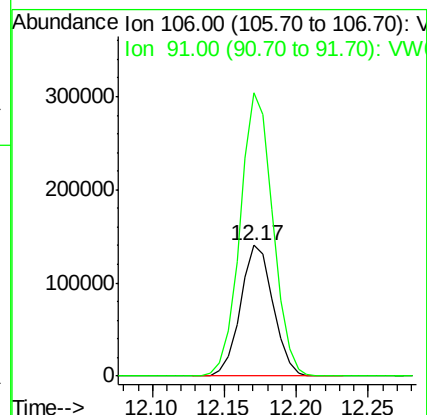
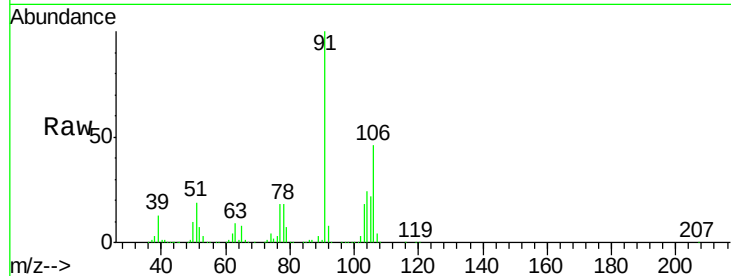




#55
o-xylene
Concen: 26.328 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

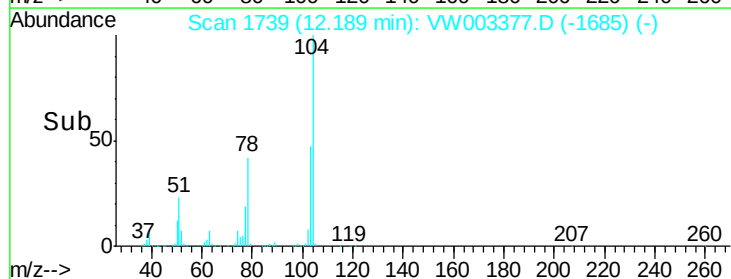
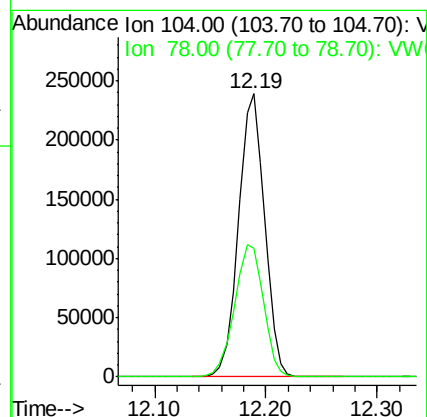
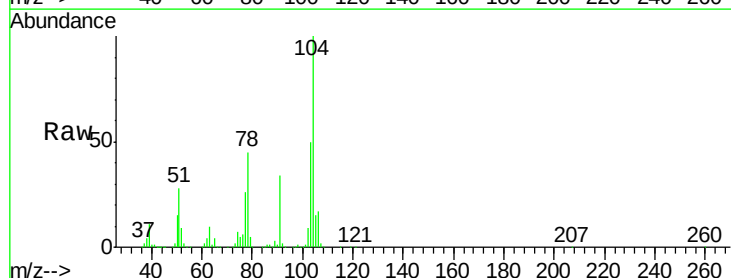
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

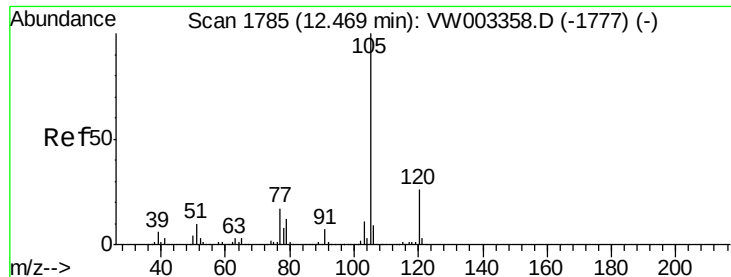
Tgt Ion:106 Resp: 220442
Ion Ratio Lower Upper
106 100
91 216.9 153.4 285.0



#56
Styrene
Concen: 26.768 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003377.D
Acq: 21 Jun 2018 02:13

Tgt Ion:104 Resp: 386943
Ion Ratio Lower Upper
104 100
78 45.2 32.1 59.7





#57

Isopropylbenzene

Concen: 26.106 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

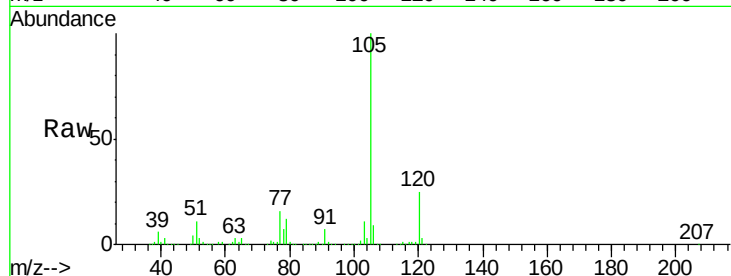
Tgt Ion:105 Resp: 606467

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

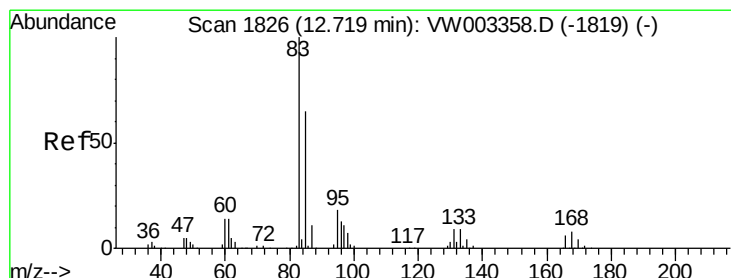
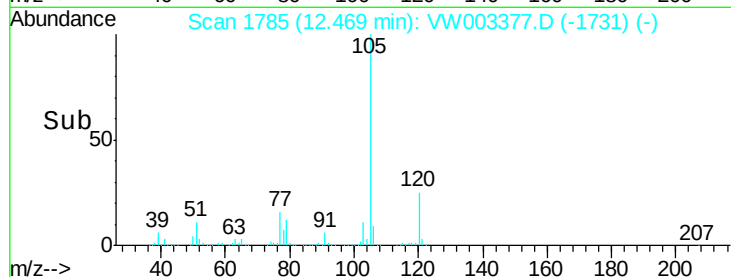
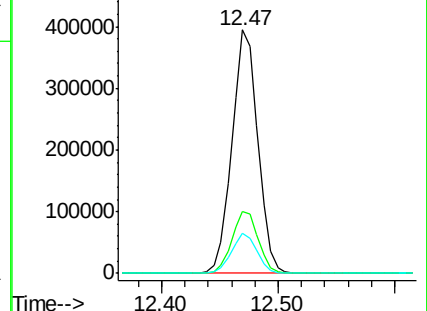
77 16.2 13.3 19.9



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: 27.015 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

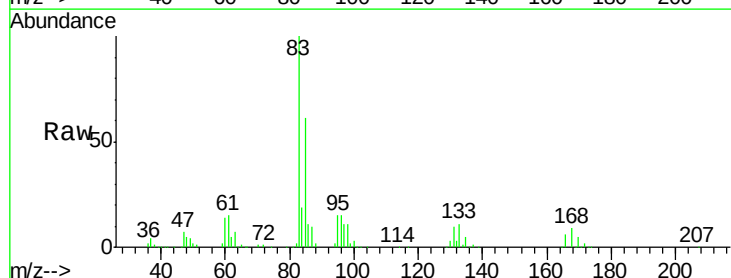
Tgt Ion: 83 Resp: 136313

Ion Ratio Lower Upper

83 100

85 61.0 45.1 83.9

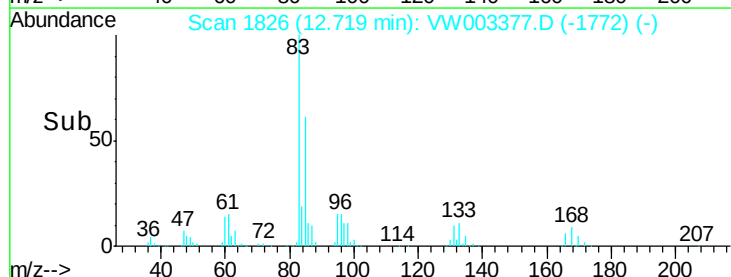
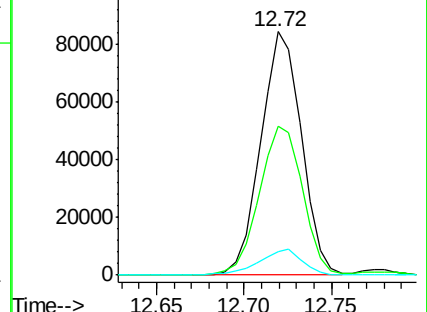
131 9.8 8.2 12.2

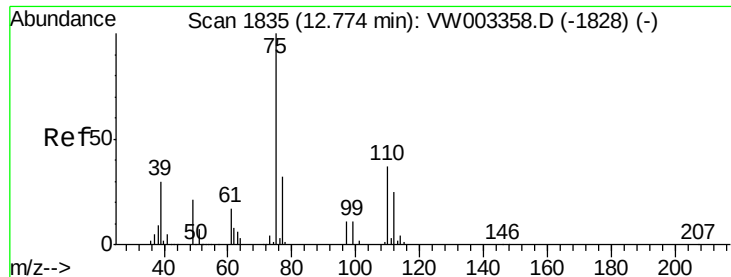


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.596 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

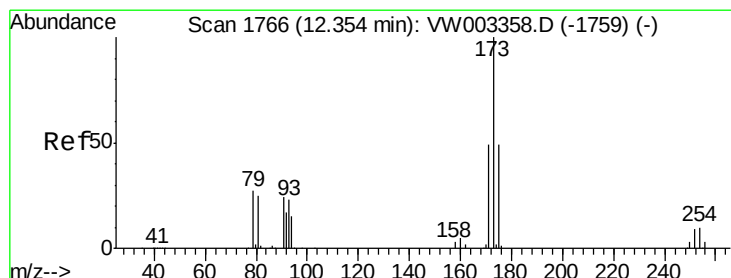
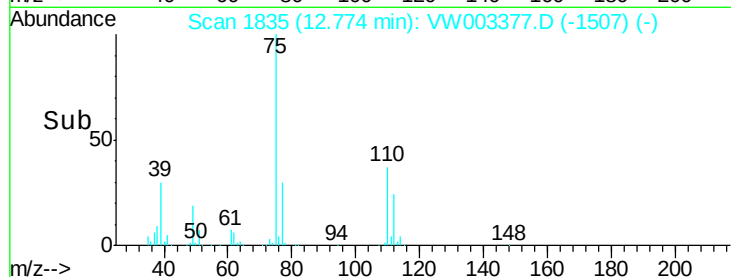
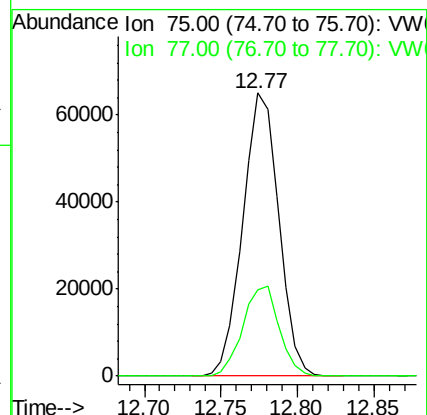
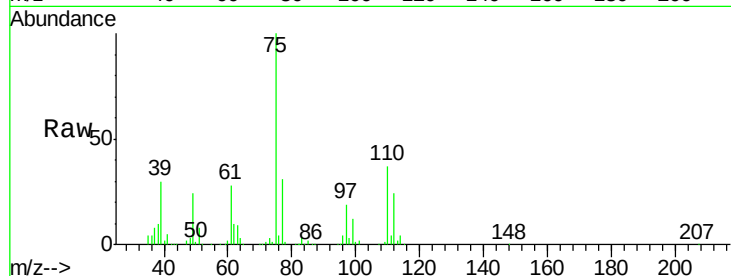
VSTD02589

Tgt Ion: 75 Resp: 106714

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0



#62

Bromoform

Concen: 26.123 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

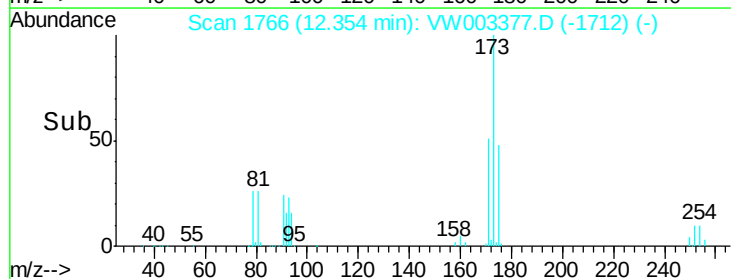
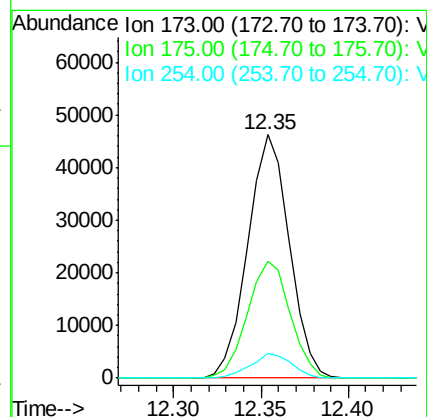
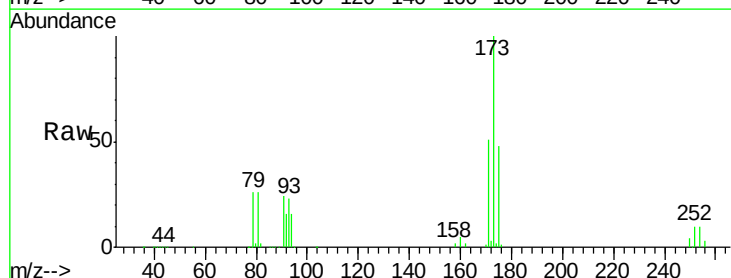
Tgt Ion: 173 Resp: 76604

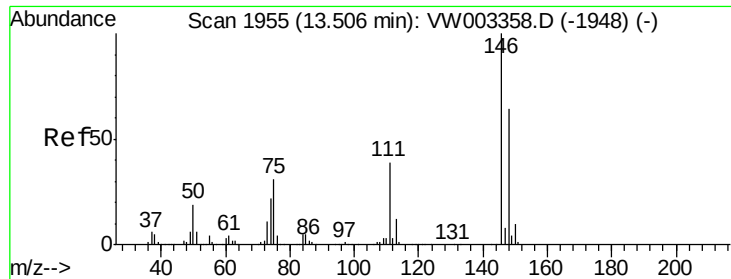
Ion Ratio Lower Upper

173 100

175 49.4 39.9 59.9

254 9.8 7.7 11.5

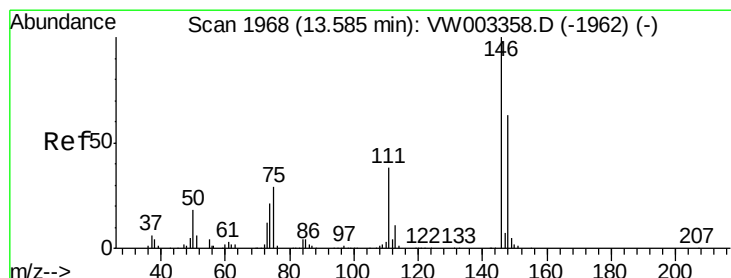
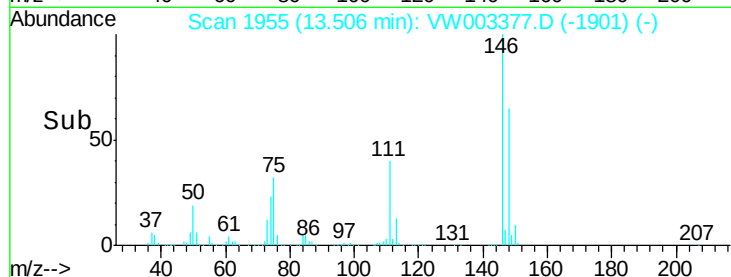
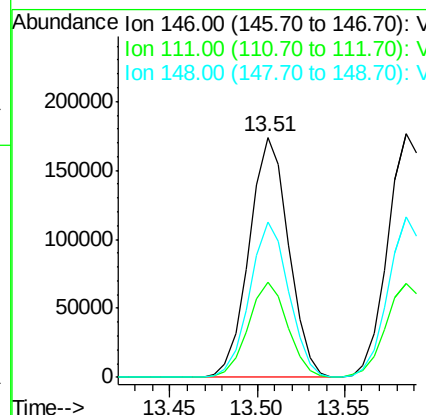
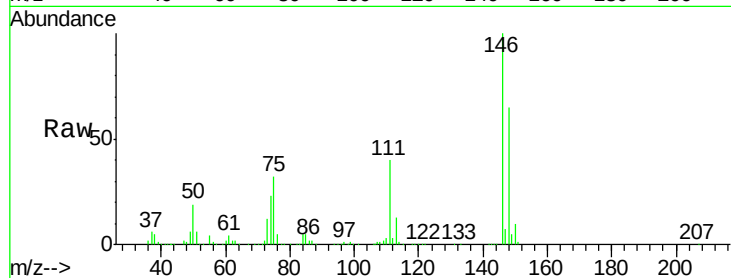




#63
 1,3-Dichlorobenzene
 Concen: 25.448 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

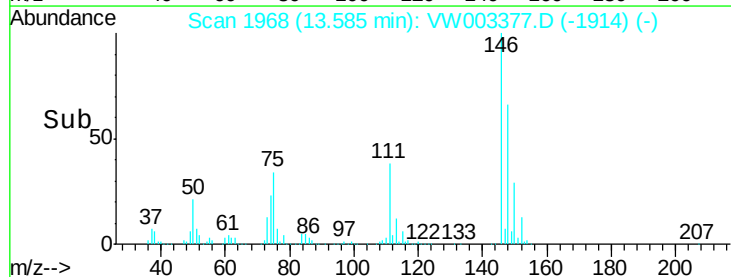
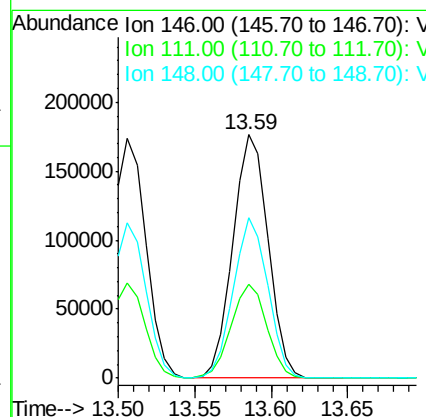
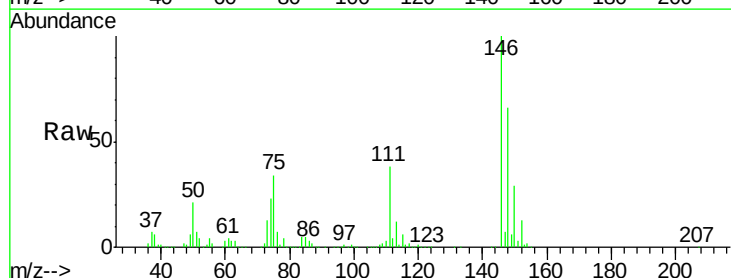
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

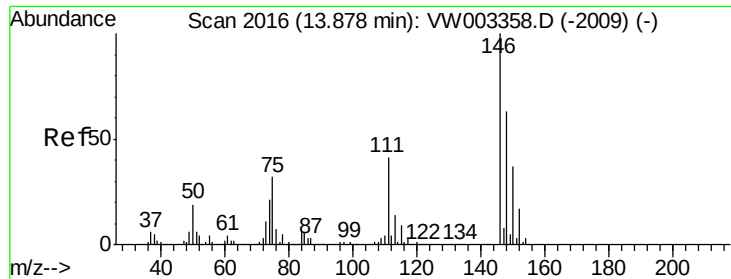
Tgt Ion:146 Resp: 272640
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.9 51.7
 148 64.8 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 25.083 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion:146 Resp: 281744
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.8 49.8
 148 65.7 45.4 84.2

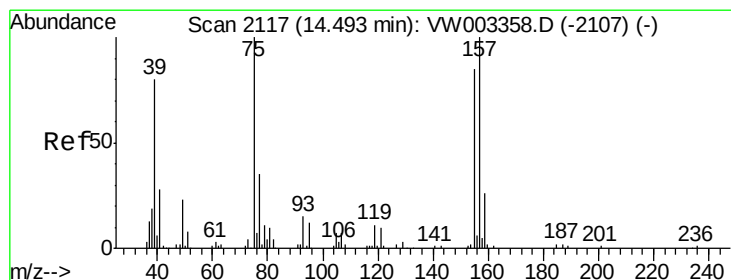
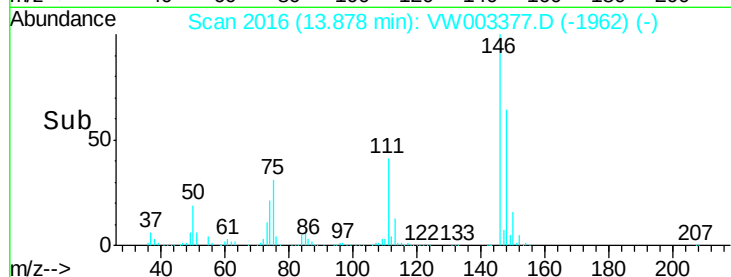
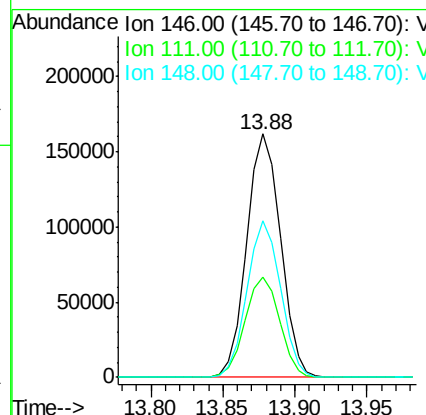
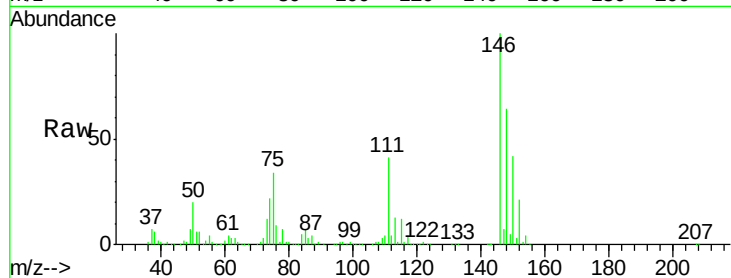




#65
 1,2-Dichlorobenzene
 Concen: 25.710 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

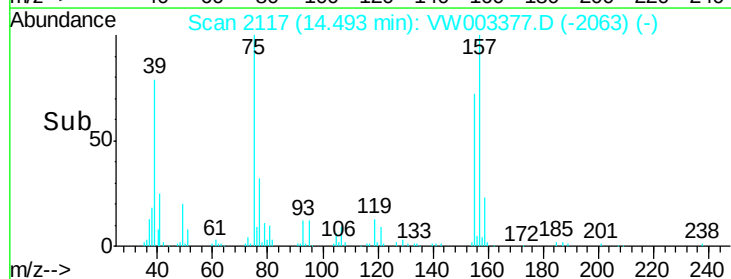
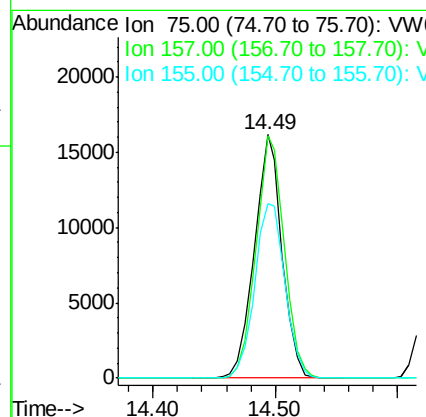
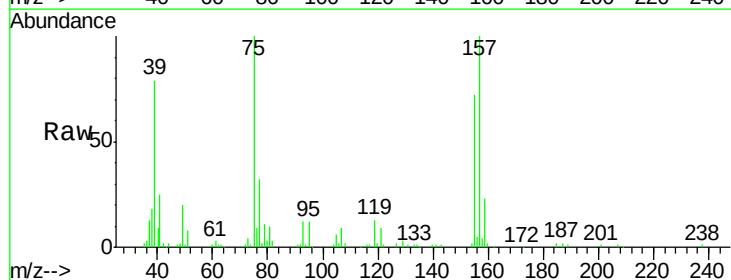
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

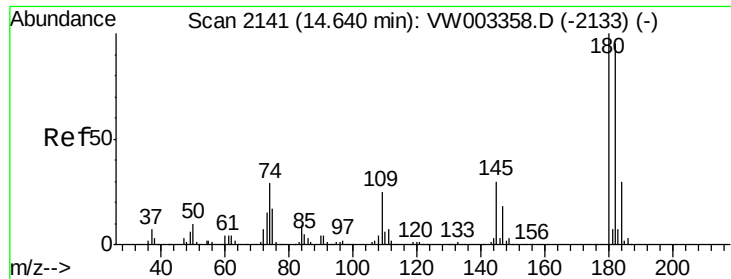
Tgt Ion: 146 Resp: 262973
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.1 49.7
 148 64.3 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.206 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion: 75 Resp: 25319
 Ion Ratio Lower Upper
 75 100
 157 99.7 70.7 106.1
 155 71.7 59.0 88.6

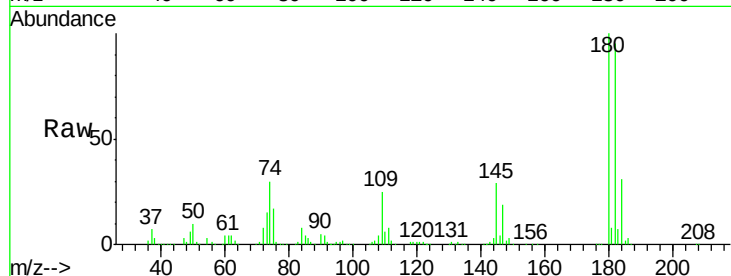




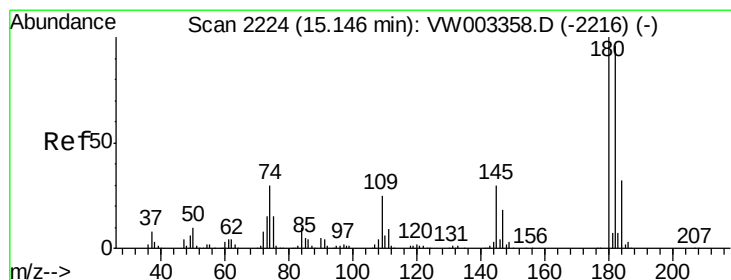
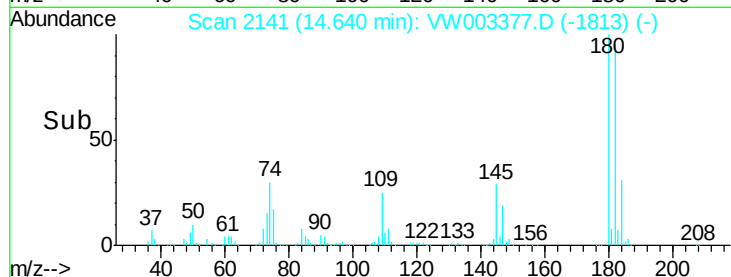
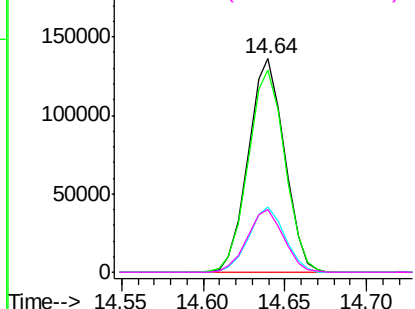
#67
 1,3,5-Trichlorobenzene
 Concen: 25.332 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:	180	Resp:	210883
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.9	113.9
184	30.3	24.5	36.7
145	29.5	23.4	35.2

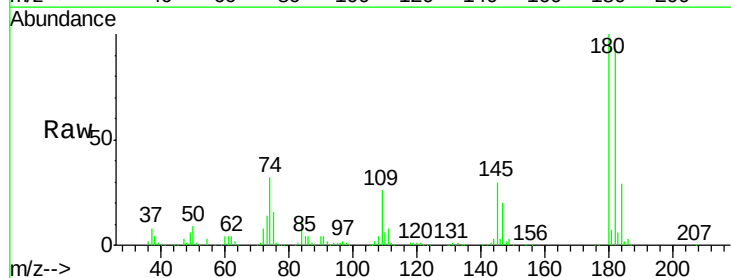


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

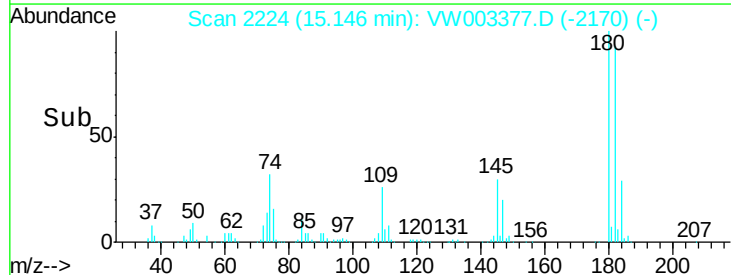
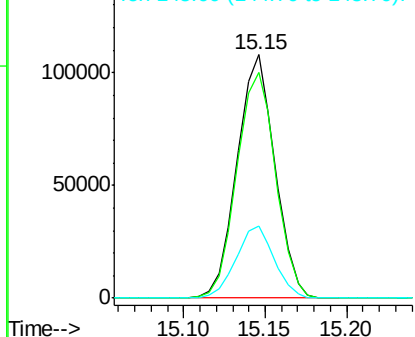


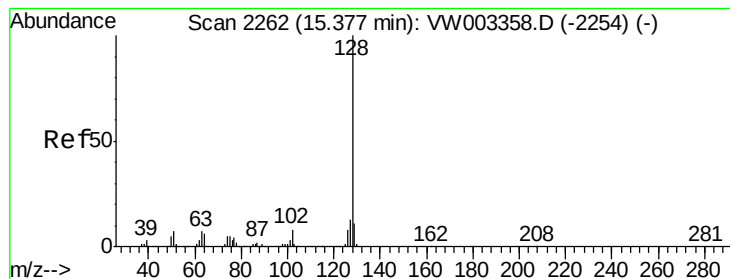
#68
 1,2,4-trichlorobenzene
 Concen: 25.767 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003377.D
 Acq: 21 Jun 2018 02:13

Tgt Ion:	180	Resp:	174630
Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.8	112.2
145	29.8	23.6	35.4



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: 29.161 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

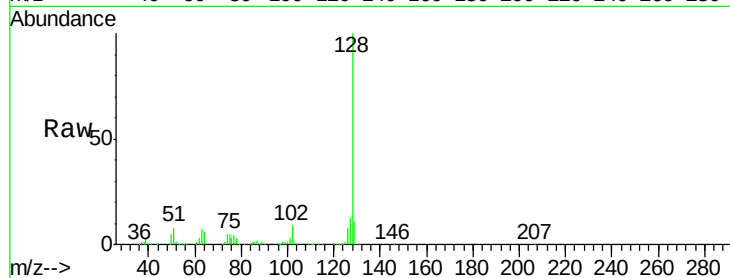
Tgt Ion:128 Resp: 369773

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

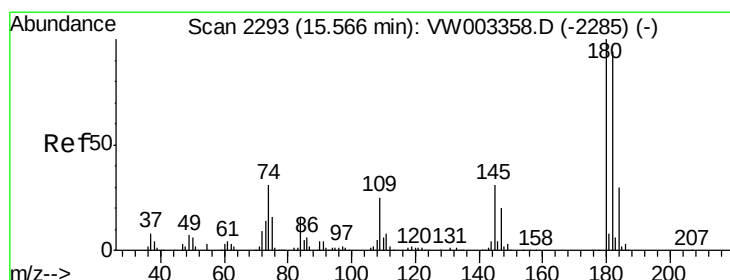
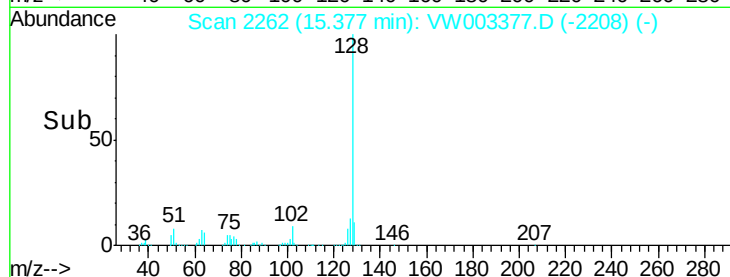
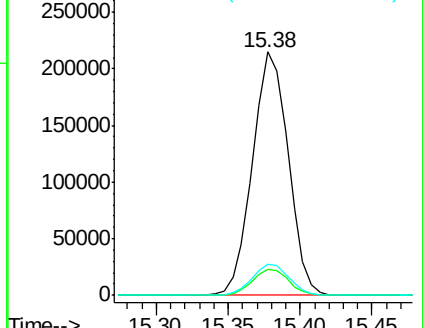
127 13.3 10.9 16.3



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: 26.885 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003377.D

Acq: 21 Jun 2018 02:13

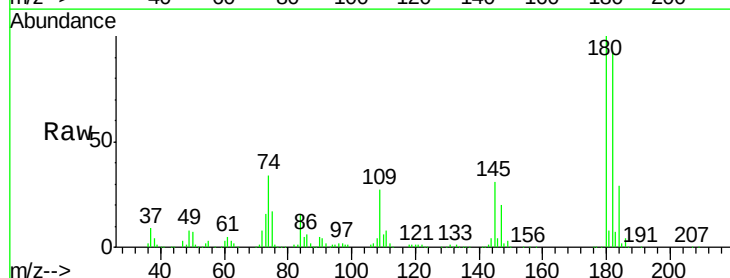
Tgt Ion:180 Resp: 166993

Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.0

145 31.7 25.4 38.2



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

