

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
 Data File : VW004961.D
 Acq On : 25 Aug 2018 02:31
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 4.48G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

Quant Time: Aug 25 04:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 01:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	552691	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	560260	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	288782	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	224735	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
7) Chloroethane-d5	2.89	69	168494	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
10) 1,1-Dichloroethene-d2	4.03	63	289069	21.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.68%
20) 2-Butanone-d5	7.09	46	118522	55.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.50%
24) Chloroform-d	7.66	84	259751	21.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.68%
26) 1,2-Dichloroethane-d4	8.31	65	142070	21.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.24%
29) Benzene-d6	8.28	84	665880	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
33) 1,2-Dichloropropane-d6	9.28	67	184729	21.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.28%
37) Toluene-d8	10.33	98	718459	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.12%
38) trans-1,3-Dichloropropene-	10.59	79	74774	20.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.08%
39) 2-Hexanone-d5	10.93	63	118961	56.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.42%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	207258	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	263638	22.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	274887	26.440 ug/L	98
3) Chloromethane	2.21	50	298927	25.371 ug/L	100
5) Vinyl chloride	2.36	62	309845	25.965 ug/L	100
6) Bromomethane	2.78	94	165660	26.500 ug/L	100
8) Chloroethane	2.92	64	169226	25.375 ug/L	97
9) Trichlorofluoromethane	3.27	101	305738	25.318 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	190785	26.411 ug/L	99
12) 1,1-Dichloroethene	4.05	96	158133	24.576 ug/L	91
13) Acetone	4.15	43	94375	57.308 ug/L	99
14) Carbon disulfide	4.39	76	628012	23.555 ug/L	100
15) Methyl Acetate	4.68	43	105469	28.324 ug/L	97
16) Methylene chloride	4.93	84	240908	22.479 ug/L	95
17) Methyl tert-butyl Ether	5.44	73	338139	24.329 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	166140	24.796 ug/L	98
19) 1,1-Dichloroethane	6.23	63	286185	23.399 ug/L	95
21) 2-Butanone	7.18	43	142736	56.288 ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	170846	23.629 ug/L	97

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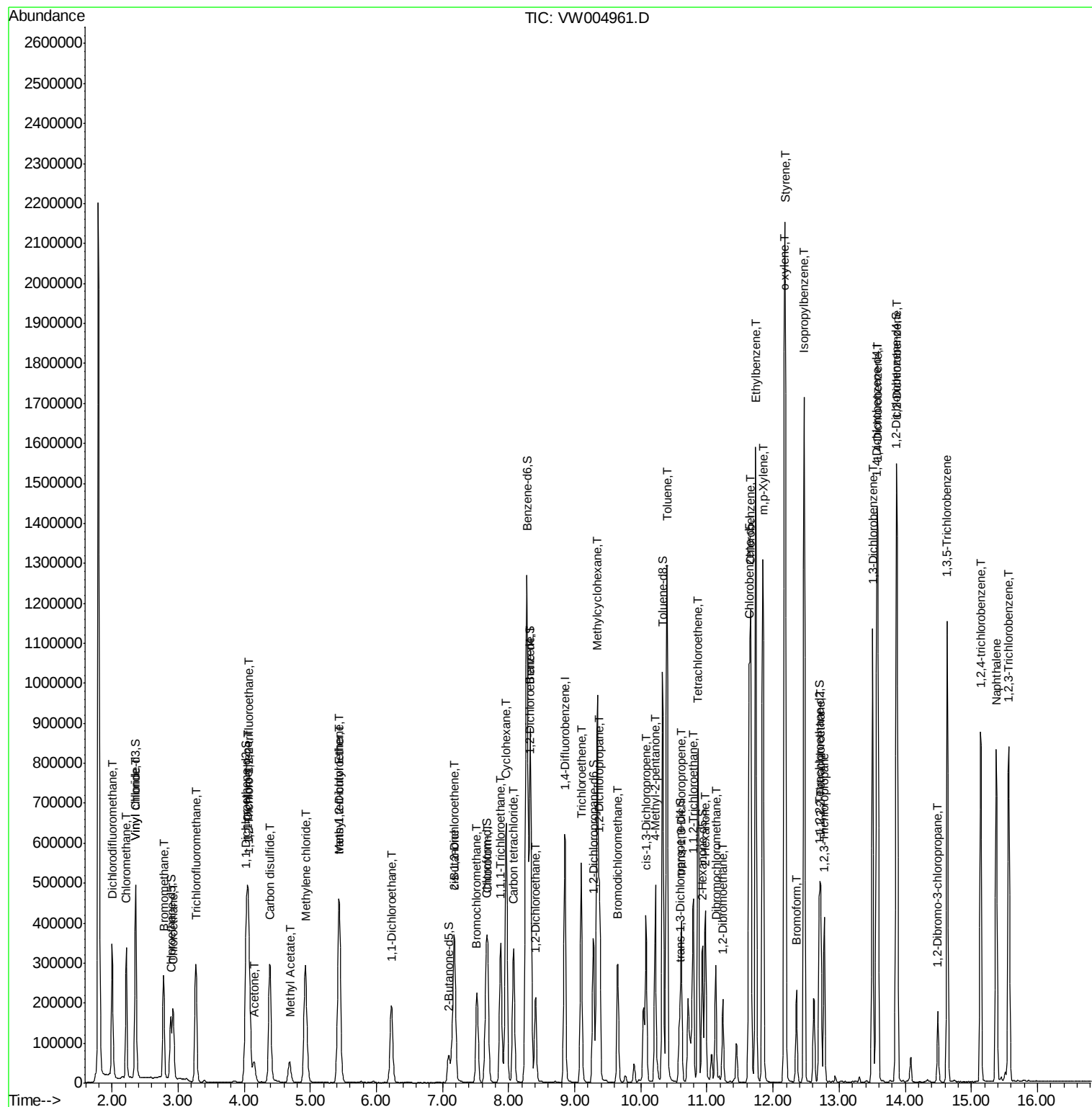
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	85078	22.284	ug/L	99
25) Chloroform	7.68	83	293290	23.925	ug/L	99
27) 1,2-Dichloroethane	8.41	62	188070	23.406	ug/L	99
30) Cyclohexane	7.96	56	335913	28.165	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	288196	26.707	ug/L	100
32) Carbon tetrachloride	8.07	117	266408	27.601	ug/L	97
34) Benzene	8.33	78	820222	25.676	ug/L	100
35) Trichloroethene	9.10	95	196705	24.763	ug/L	99
36) Methylcyclohexane	9.34	83	391983	26.679	ug/L	100
40) 1,2-Dichloropropane	9.37	63	189302	24.090	ug/L	99
41) Bromodichloromethane	9.65	83	207928	24.014	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	250072	22.925	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	324015	55.856	ug/L	99
44) Toluene	10.40	91	998963	26.040	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	223584	22.600	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	145500	23.722	ug/L	100
47) Tetrachloroethene	10.87	164	205600	26.438	ug/L	99
49) 2-Hexanone	10.98	43	265500	59.226	ug/L	99
50) Dibromochloromethane	11.13	129	160154	23.519	ug/L	100
51) 1,2-Dibromoethane	11.24	107	144619	24.019	ug/L	96
52) Chlorobenzene	11.66	112	626249	24.574	ug/L	99
53) Ethylbenzene	11.74	91	1125098	26.063	ug/L	99
54) m,p-Xylene	11.85	106	441919	26.388	ug/L	98
55) o-xylene	12.17	106	400788	25.614	ug/L	93
56) Styrene	12.19	104	687850	25.585	ug/L	99
57) Isopropylbenzene	12.47	105	1130361	27.045	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	223840	25.606	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	174412	25.892	ug/L	97
62) Bromoform	12.35	173	110780	24.194	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	490396	24.648	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	509800	24.475	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	469350	24.620	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	44914	27.783	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	392212	24.637	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	313067	24.356	ug/L	99
69) Naphthalene	15.38	128	711962	27.250	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	312490	25.811	ug/L	100

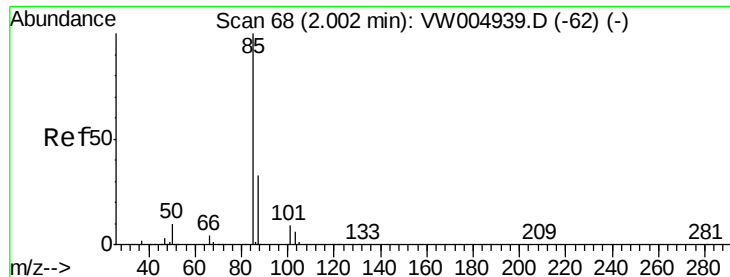
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.440 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

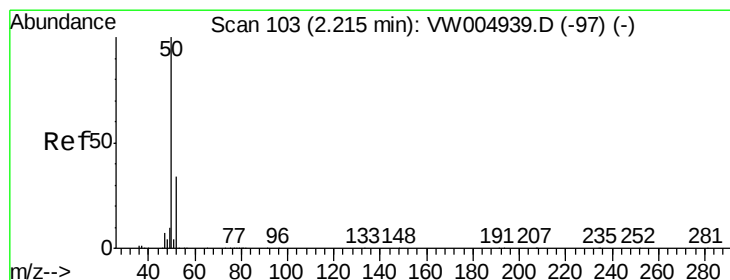
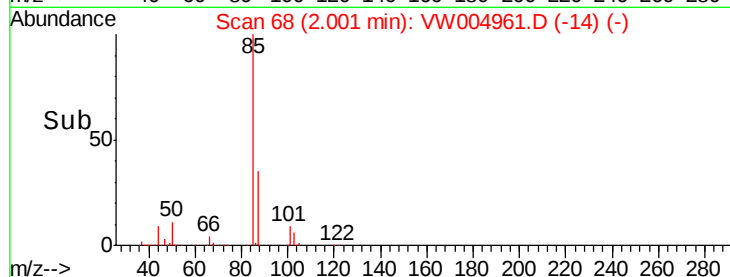
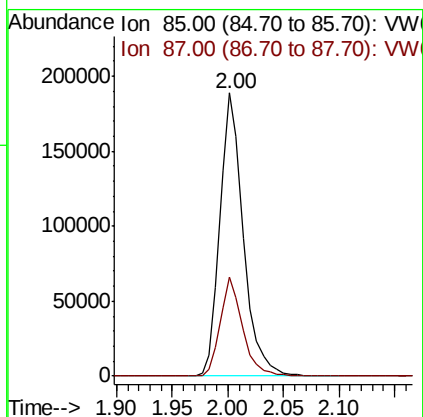
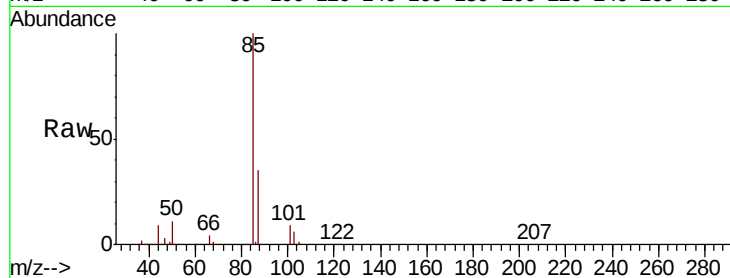
VSTD02582

Tgt Ion: 85 Resp: 274887

Ion Ratio Lower Upper

85 100

87 33.2 22.6 42.0



#3

Chloromethane

Concen: 25.371 ug/L

RT: 2.21 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW004961.D

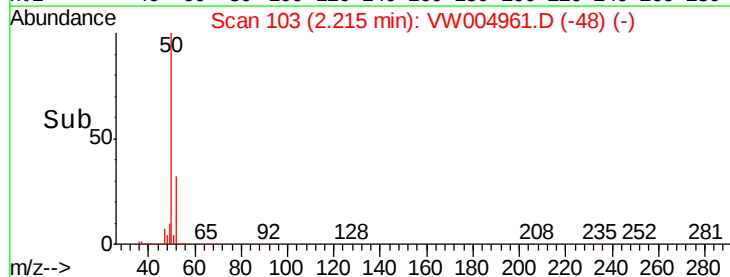
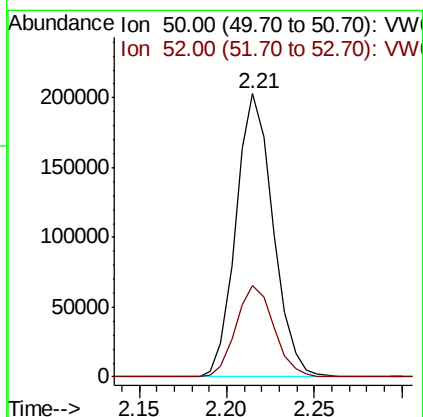
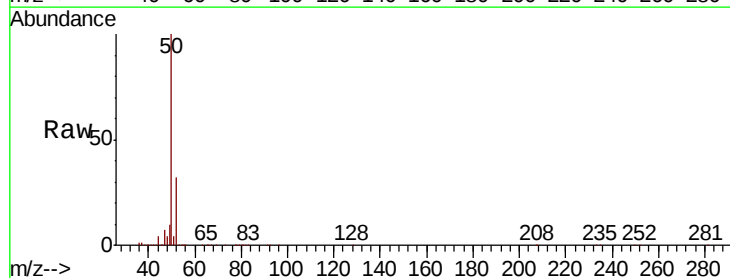
Acq: 25 Aug 2018 02:31

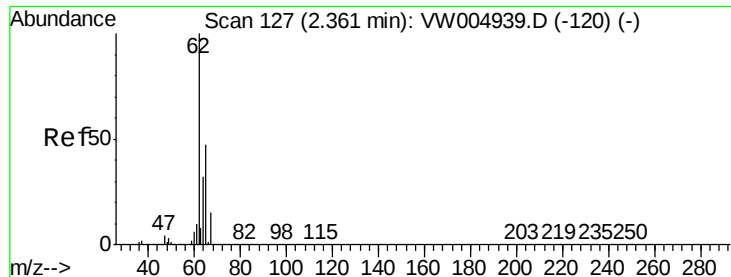
Tgt Ion: 50 Resp: 298927

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.9





#5

Vinyl chloride

Concen: 25.965 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

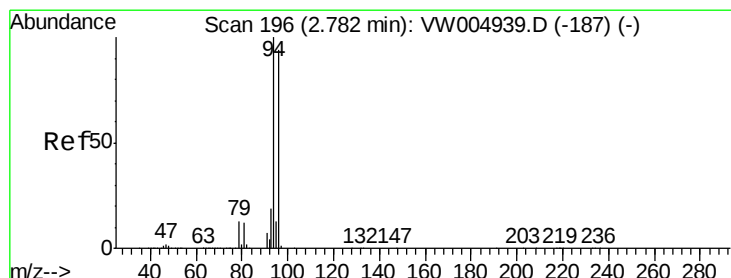
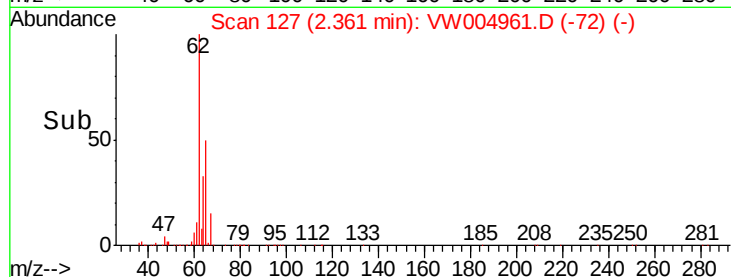
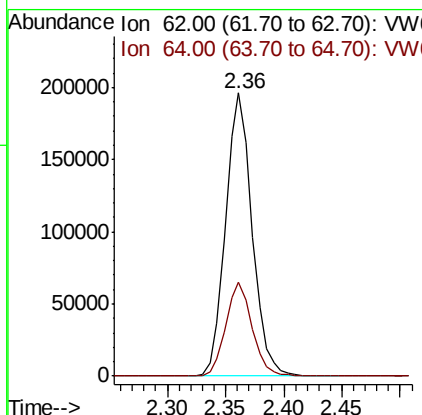
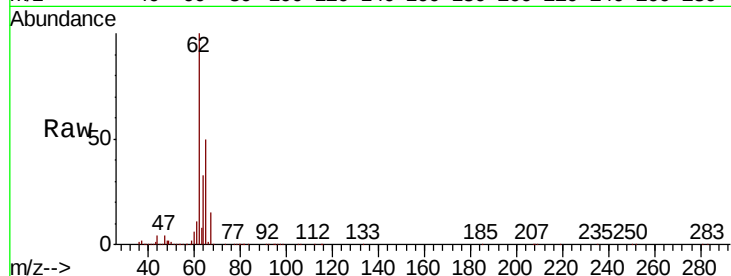
VSTD02582

Tgt Ion: 62 Resp: 309845

Ion Ratio Lower Upper

62 100

64 33.2 23.3 43.3



#6

Bromomethane

Concen: 26.500 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004961.D

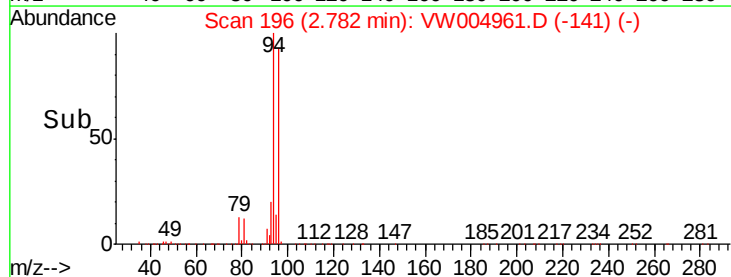
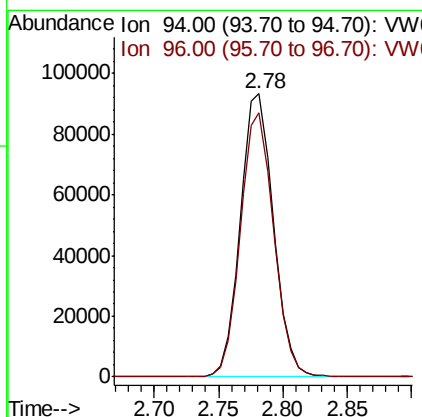
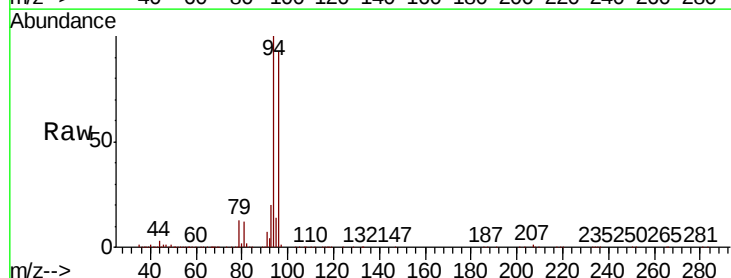
Acq: 25 Aug 2018 02:31

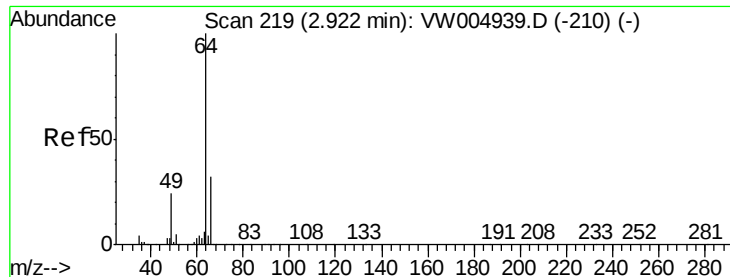
Tgt Ion: 94 Resp: 165660

Ion Ratio Lower Upper

94 100

96 93.3 9.3 177.7





#8

Chloroethane

Concen: 25.375 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

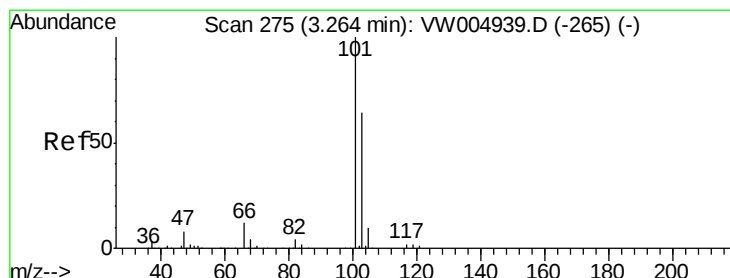
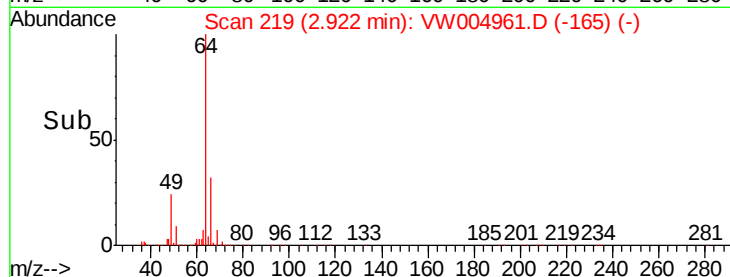
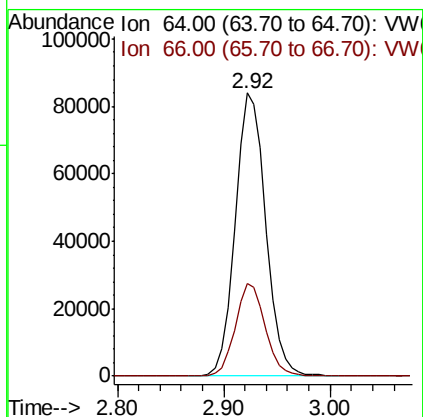
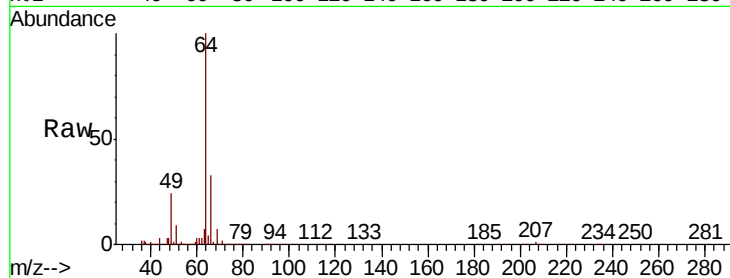
VSTD02582

Tgt Ion: 64 Resp: 169226

Ion Ratio Lower Upper

64 100

66 32.6 21.5 39.9



#9

Trichlorofluoromethane

Concen: 25.318 ug/L

RT: 3.27 min Scan# 276

Delta R.T. 0.01 min

Lab File: VW004961.D

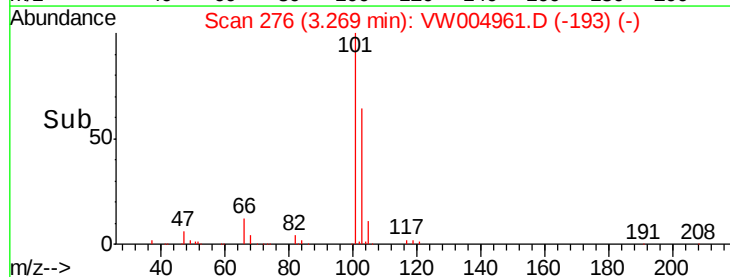
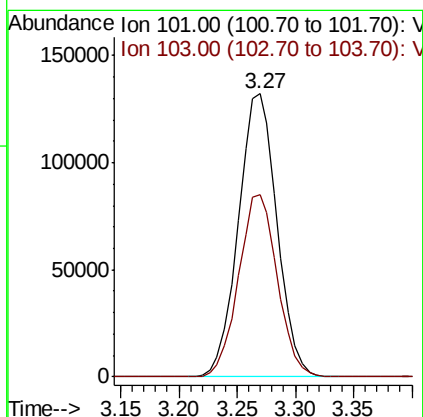
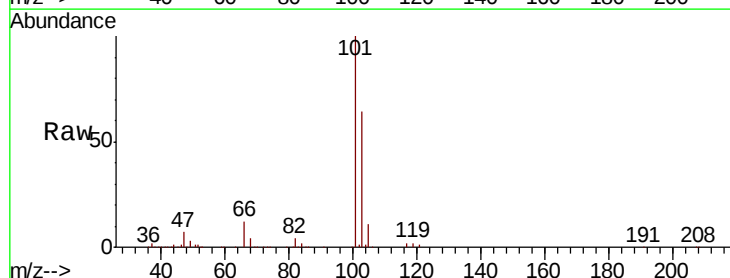
Acq: 25 Aug 2018 02:31

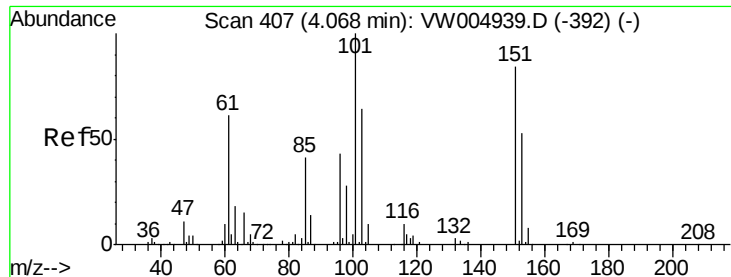
Tgt Ion: 101 Resp: 305738

Ion Ratio Lower Upper

101 100

103 64.6 45.1 83.7





#11

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

Concen: 26.411 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

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ClientSampleId :

VSTD02582

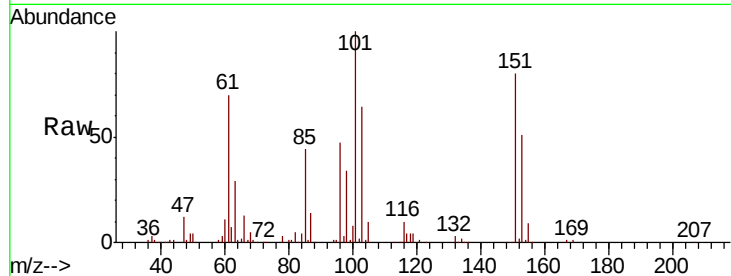
Tgt Ion:101 Resp: 190785

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

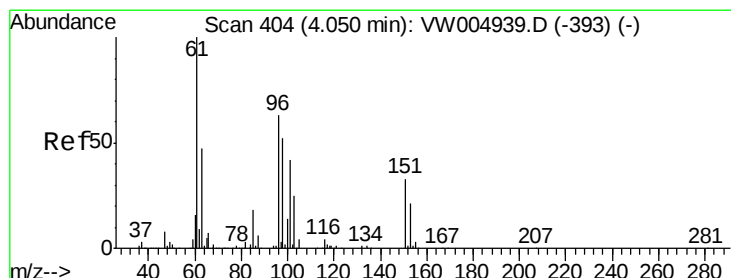
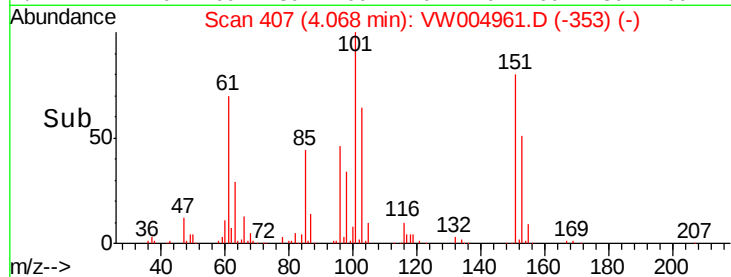
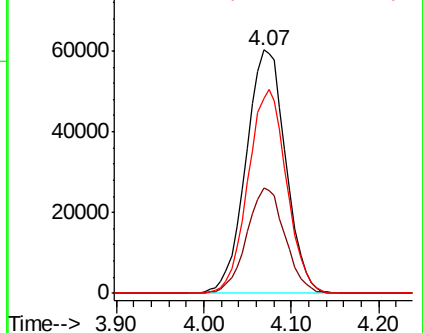
151 81.1 64.1 96.1



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: 24.576 ug/L

RT: 4.05 min Scan# 404

Delta R.T. 0.01 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

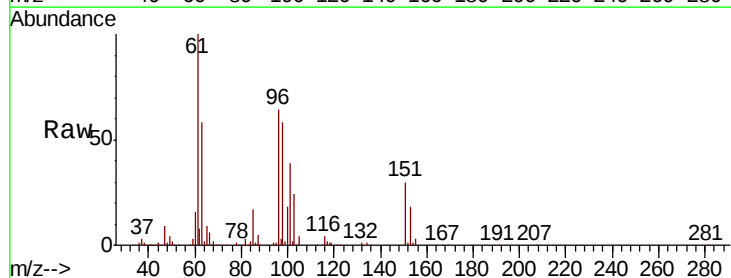
Tgt Ion: 96 Resp: 158133

Ion Ratio Lower Upper

96 100

61 155.4 107.0 198.8

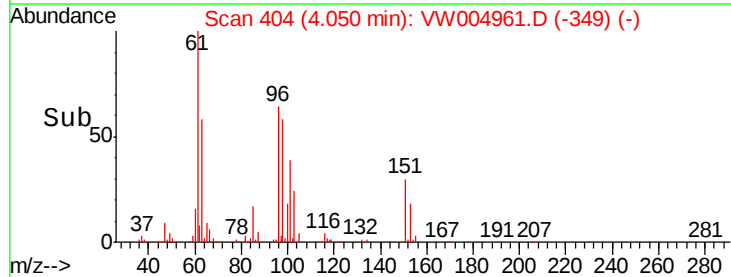
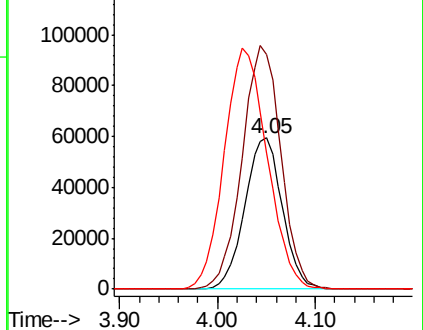
63 89.9 76.9 142.7

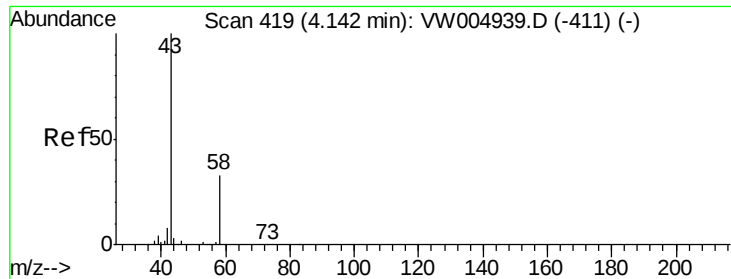


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.308 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

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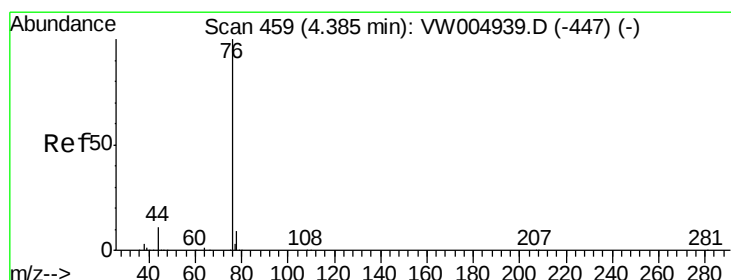
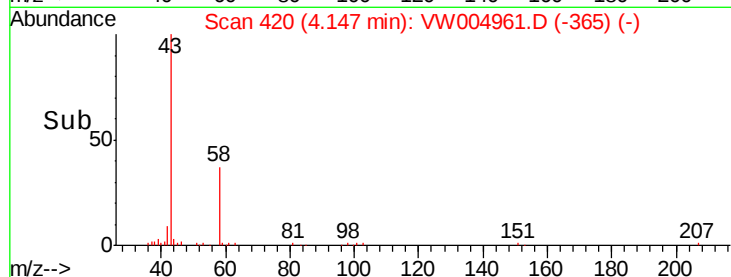
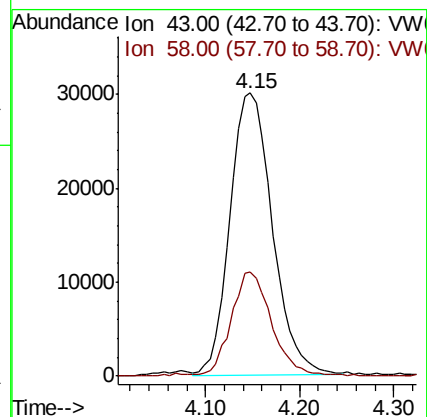
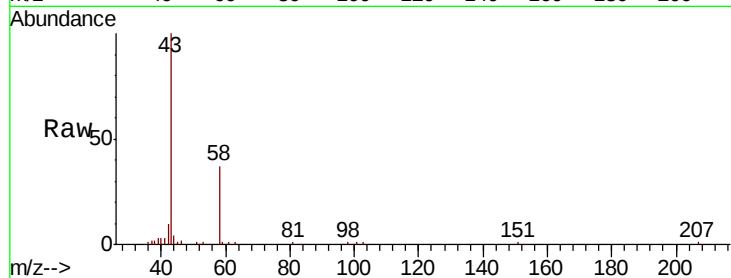
VSTD02582

Tgt Ion: 43 Resp: 94375

Ion Ratio Lower Upper

43 100

58 35.1 0.0 69.4



#14

Carbon disulfide

Concen: 23.555 ug/L

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW004961.D

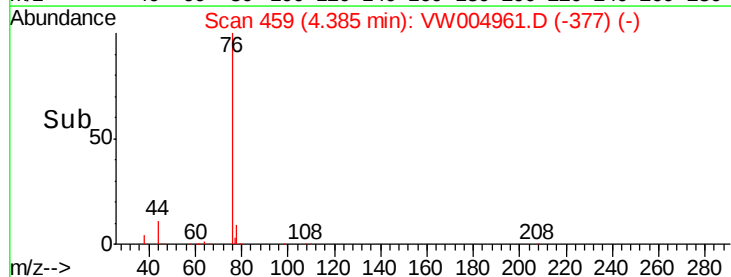
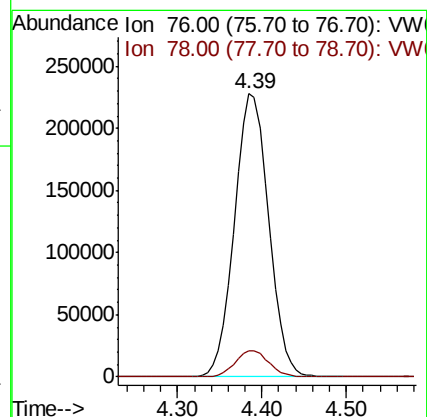
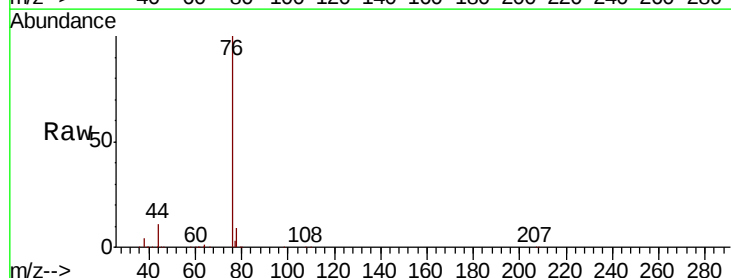
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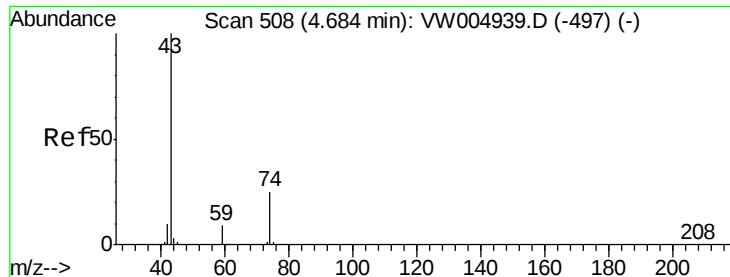
Tgt Ion: 76 Resp: 628012

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

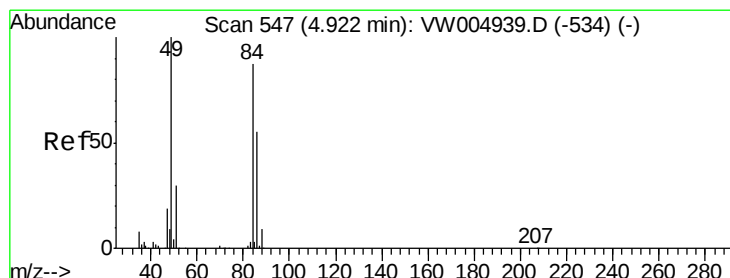
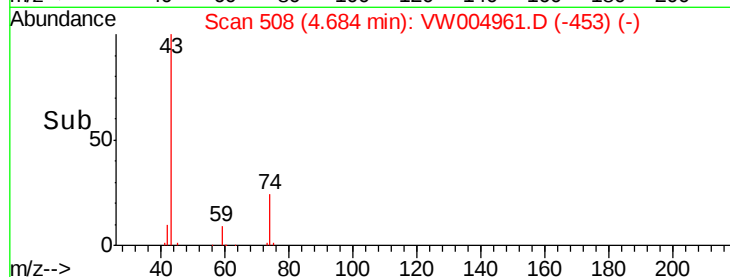
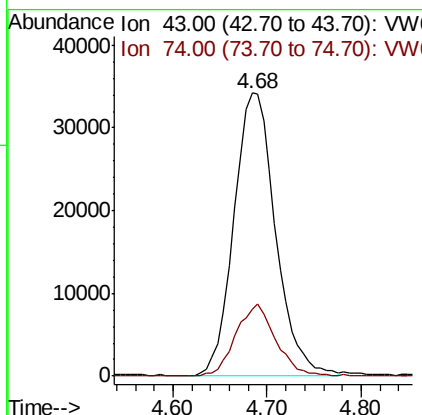
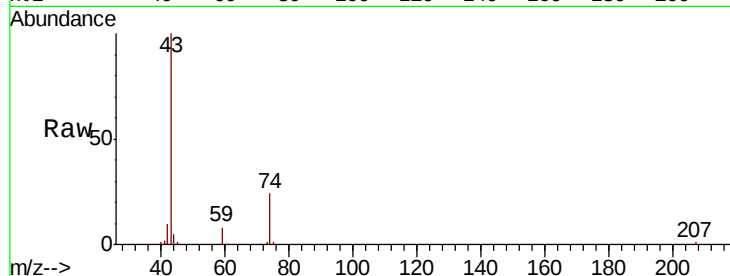




#15
Methyl Acetate
Concen: 28.324 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

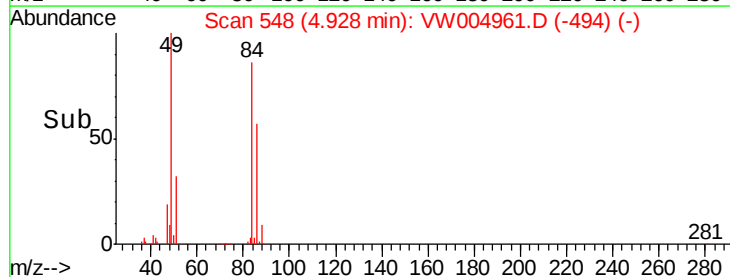
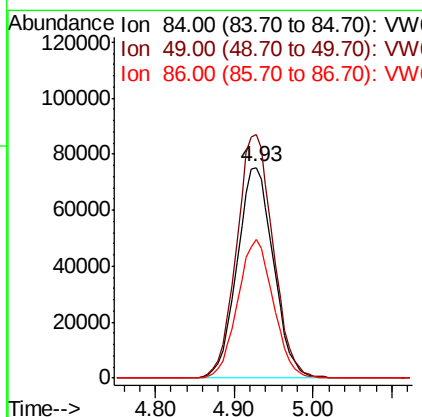
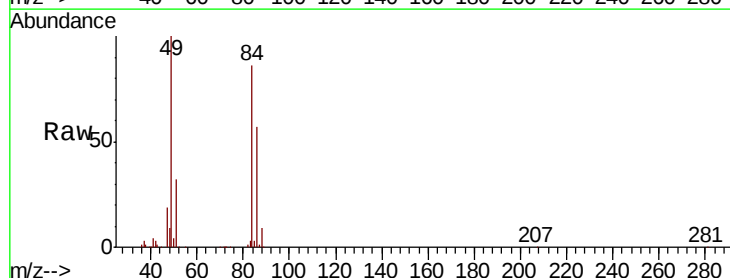
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

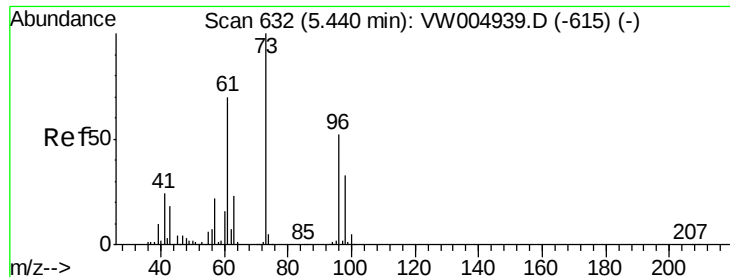
Tgt Ion: 43 Resp: 105469
Ion Ratio Lower Upper
43 100
74 24.5 18.6 27.8



#16
Methylene chloride
Concen: 22.479 ug/L
RT: 4.93 min Scan# 548
Delta R.T. -0.00 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

Tgt Ion: 84 Resp: 240908
Ion Ratio Lower Upper
84 100
49 115.7 83.8 155.6
86 66.1 42.6 79.0

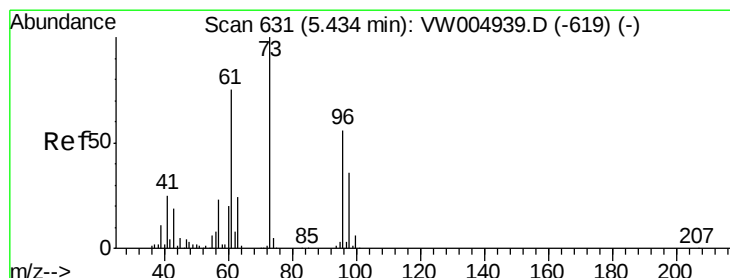
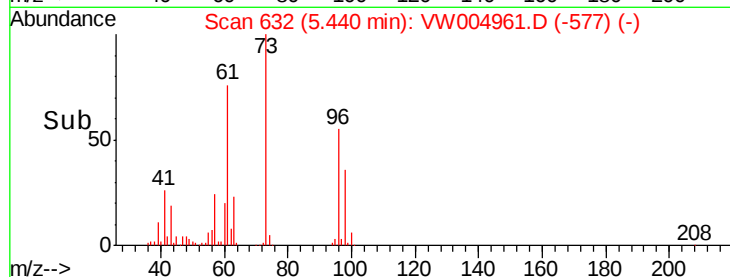
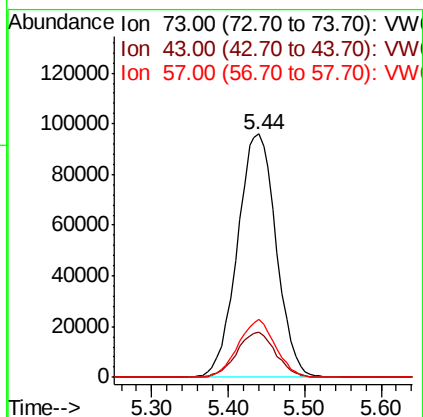
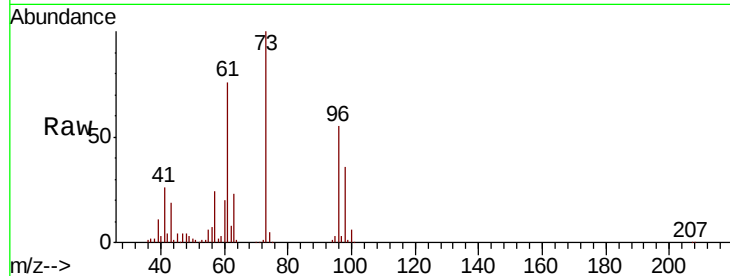




#17
Methyl tert-butyl Ether
Concen: 24.329 ug/L
RT: 5.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

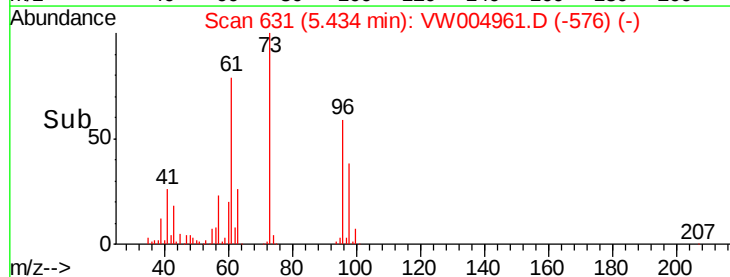
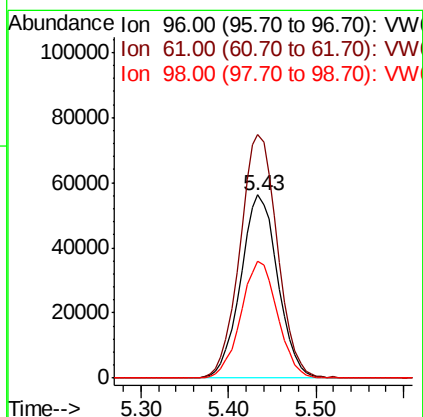
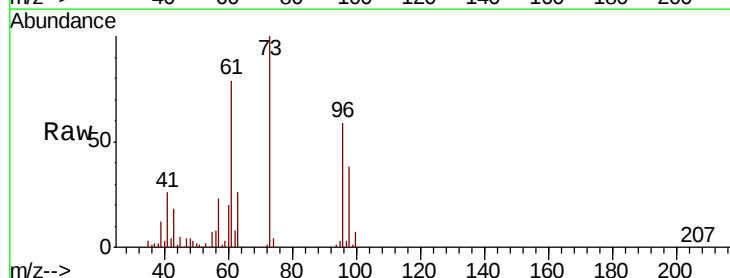
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

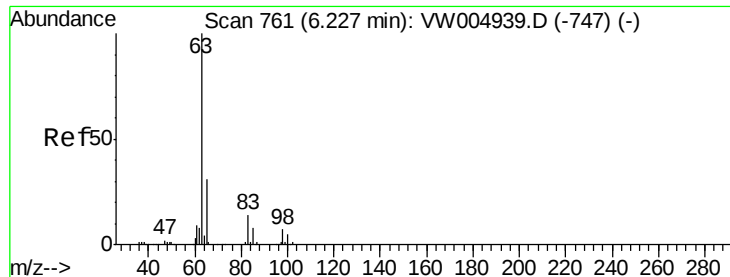
Tgt Ion: 73 Resp: 338139
Ion Ratio Lower Upper
73 100
43 18.6 14.6 22.0
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 24.796 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

Tgt Ion: 96 Resp: 166140
Ion Ratio Lower Upper
96 100
61 133.1 92.5 171.9
98 64.2 42.8 79.4

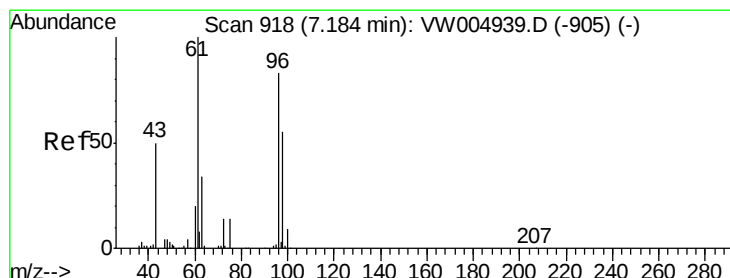
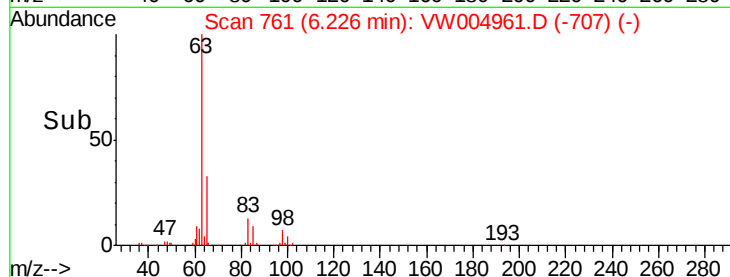
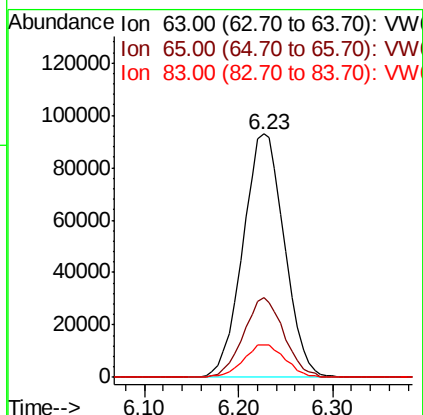
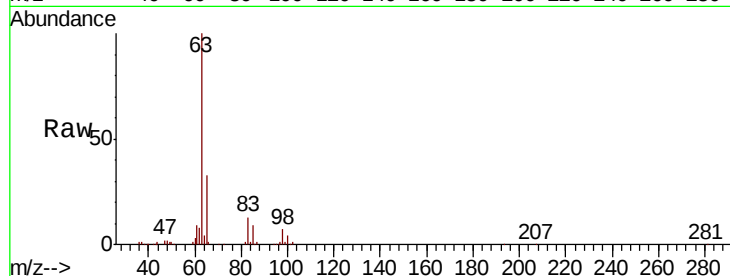




#19
 1,1-Dichloroethane
 Concen: 23.399 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

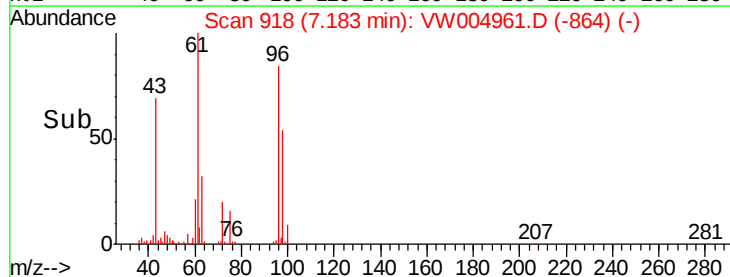
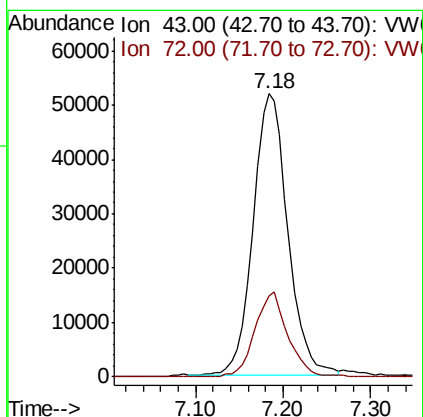
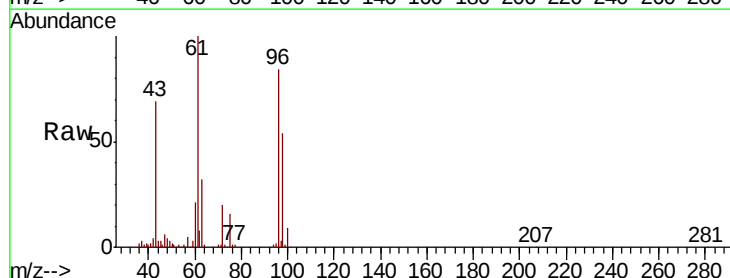
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

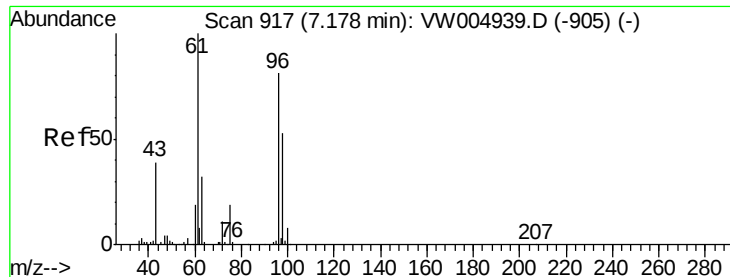
Tgt Ion: 63 Resp: 286185
 Ion Ratio Lower Upper
 63 100
 65 32.8 20.5 38.1
 83 13.4 8.8 16.4



#21
 2-Butanone
 Concen: 56.288 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Tgt Ion: 43 Resp: 142736
 Ion Ratio Lower Upper
 43 100
 72 28.8 14.2 42.8



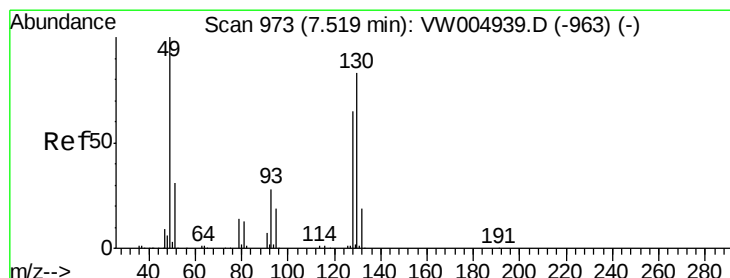
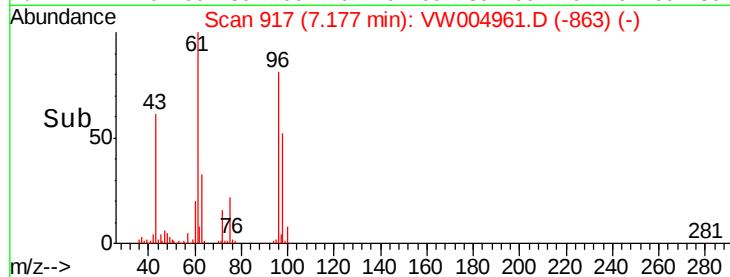
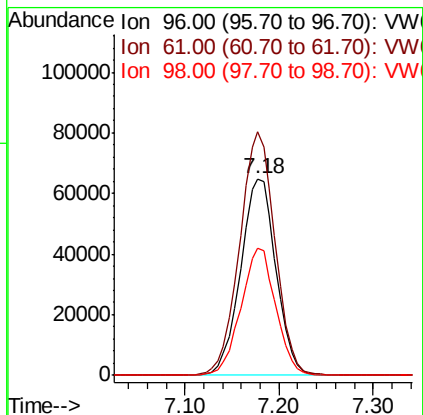
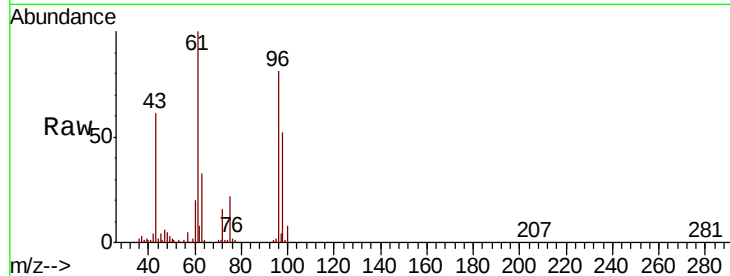


#22

cis-1,2-Dichloroethene
 Concen: 23.629 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02582

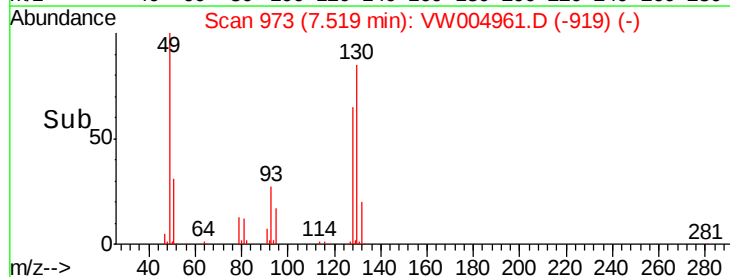
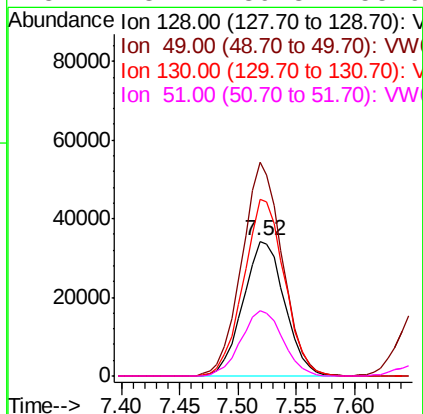
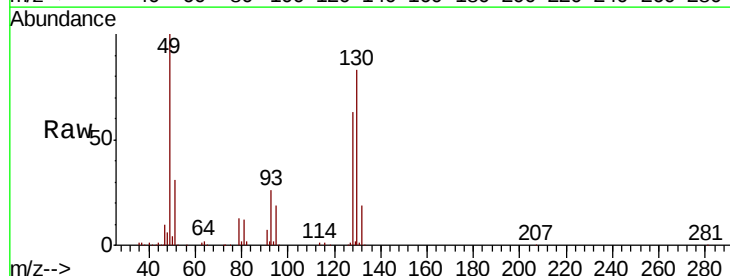
Tgt Ion: 96 Resp: 170846
 Ion Ratio Lower Upper
 96 100
 61 123.9 89.7 166.7
 98 64.6 45.0 83.6

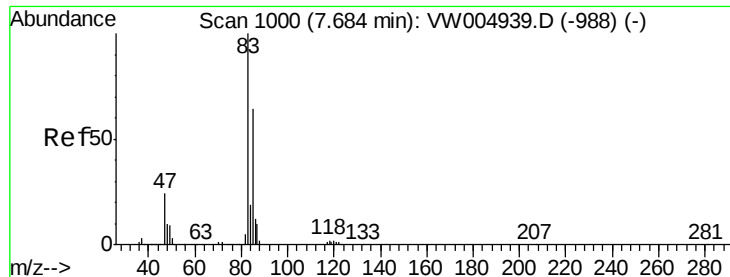


#23

Bromochloromethane
 Concen: 22.284 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Tgt Ion: 128 Resp: 85078
 Ion Ratio Lower Upper
 128 100
 49 158.8 111.3 206.7
 130 131.3 90.2 167.6
 51 48.7 39.3 58.9





#25

Chloroform

Concen: 23.925 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

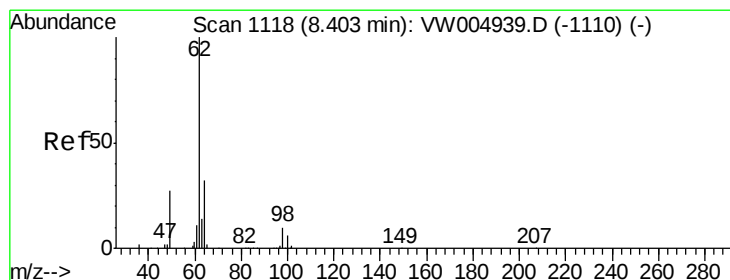
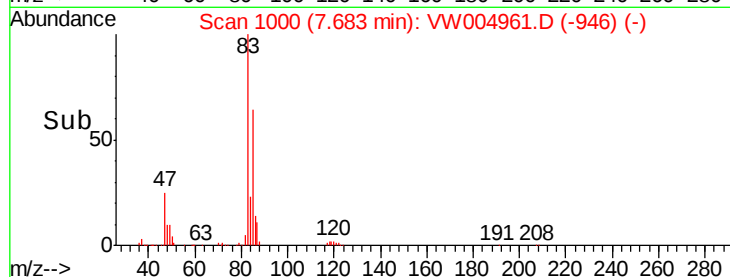
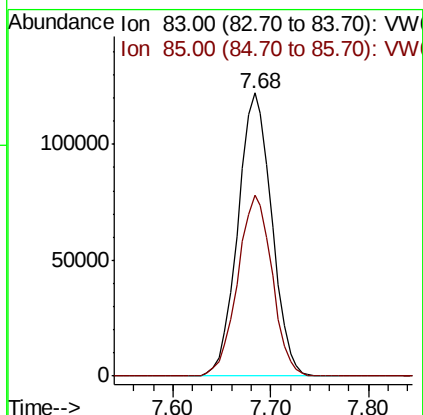
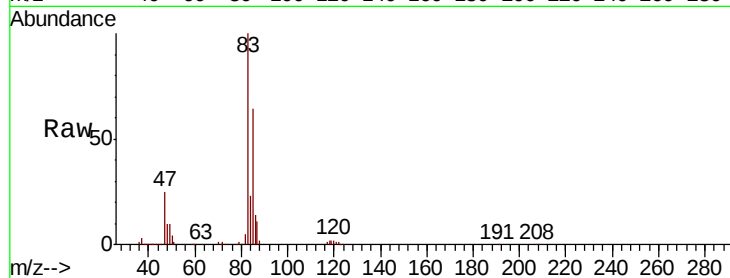
VSTD02582

Tgt Ion: 83 Resp: 293290

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9



#27

1,2-Dichloroethane

Concen: 23.406 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW004961.D

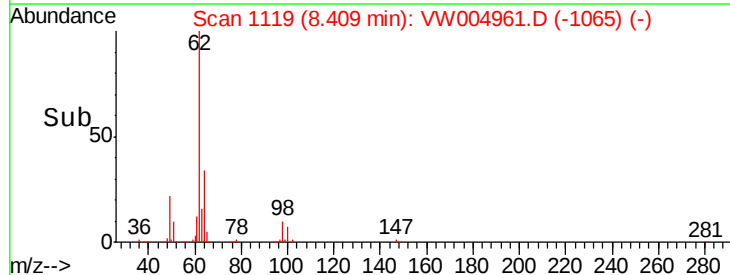
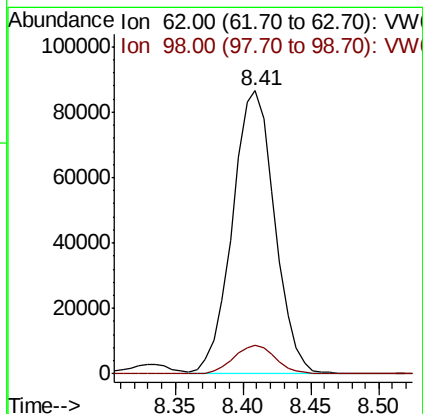
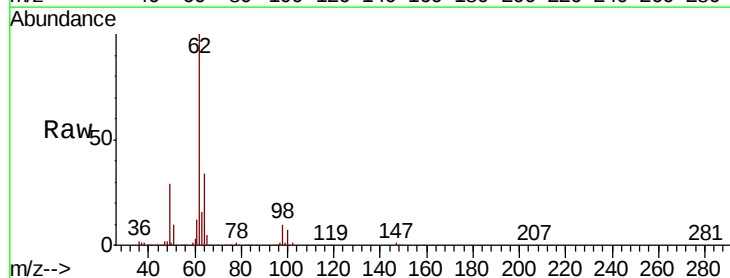
Acq: 25 Aug 2018 02:31

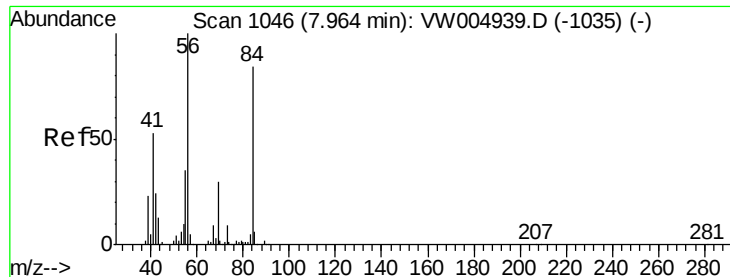
Tgt Ion: 62 Resp: 188070

Ion Ratio Lower Upper

62 100

98 10.2 8.0 12.0

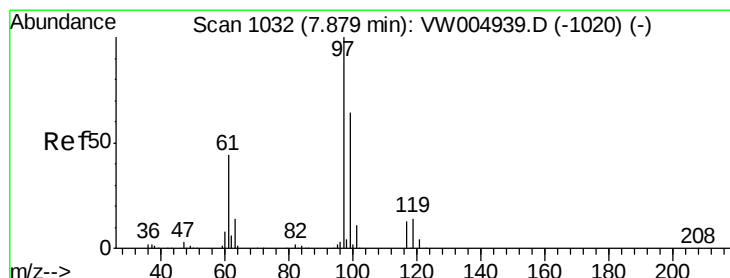
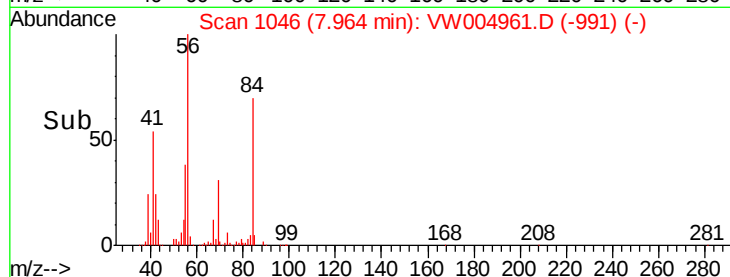
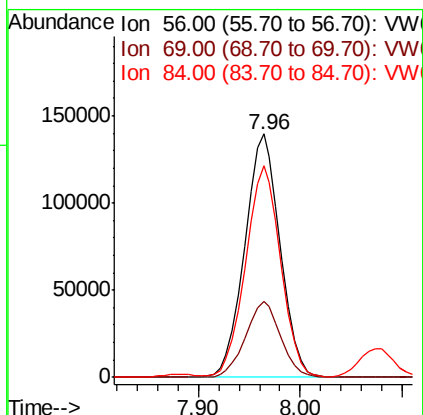
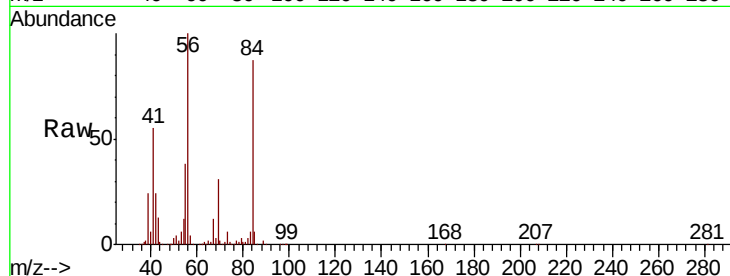




#30
Cyclohexane
Concen: 28.165 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

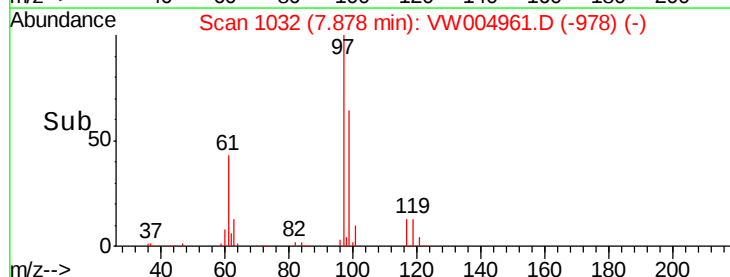
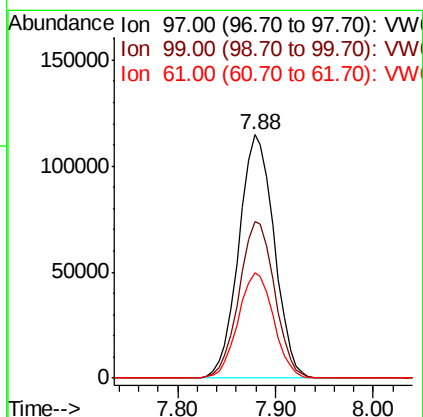
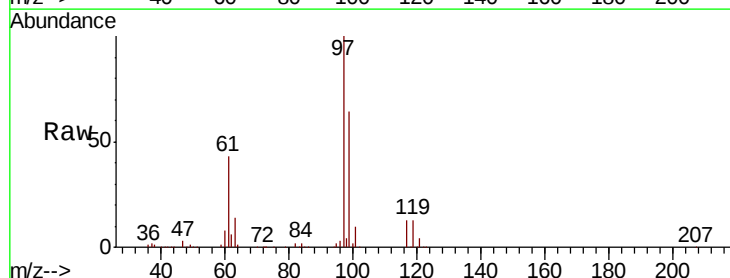
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

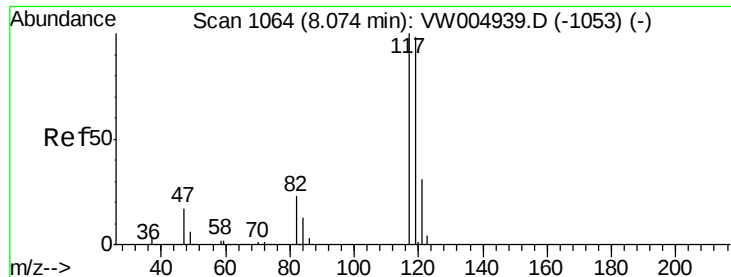
Tgt Ion: 56 Resp: 335913
Ion Ratio Lower Upper
56 100
69 31.0 24.1 36.1
84 86.6 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 26.707 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

Tgt Ion: 97 Resp: 288196
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 43.5 34.9 52.3





#32

Carbon tetrachloride

Concen: 27.601 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

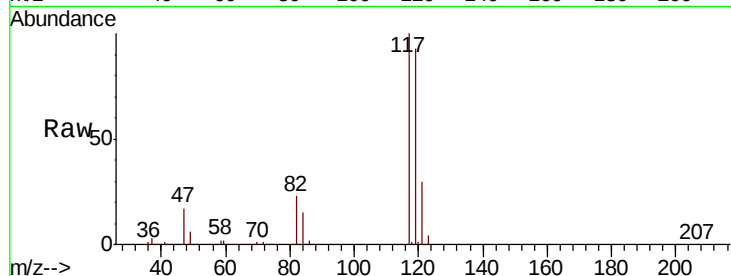
VSTD02582

Tgt Ion:117 Resp: 266408

Ion Ratio Lower Upper

117 100

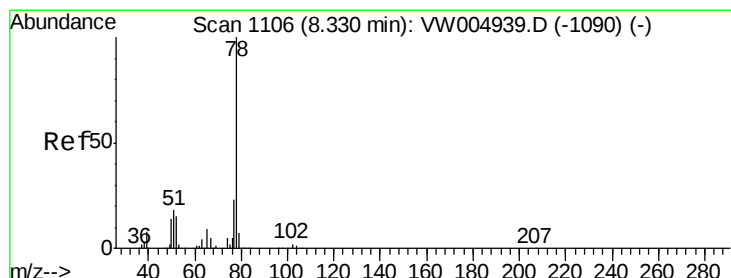
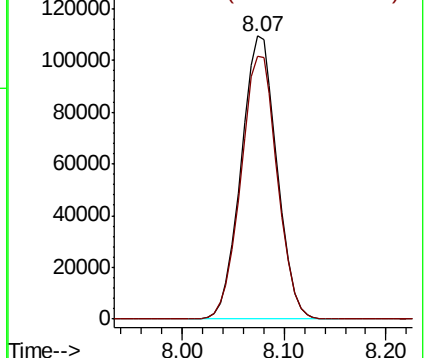
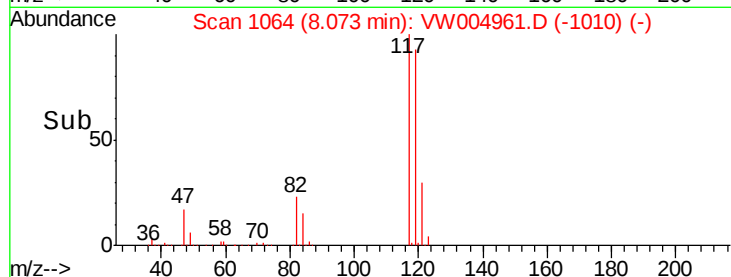
119 94.5 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



#34

Benzene

Concen: 25.676 ug/L

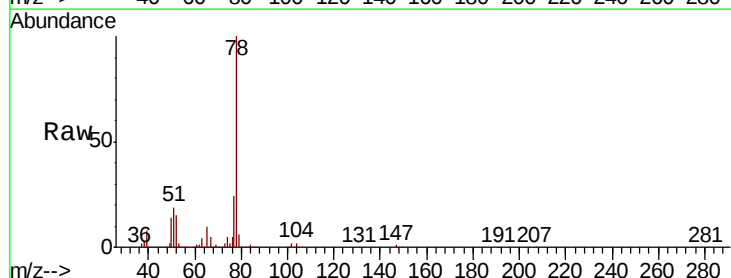
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004961.D

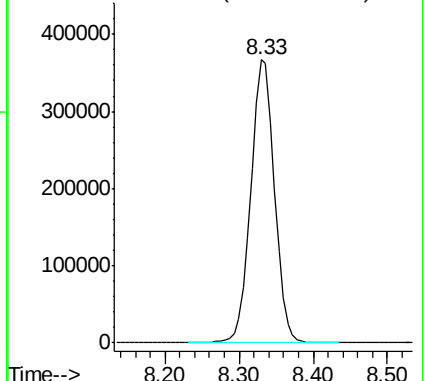
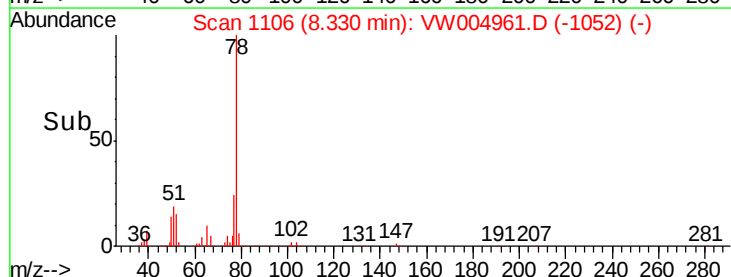
Acq: 25 Aug 2018 02:31

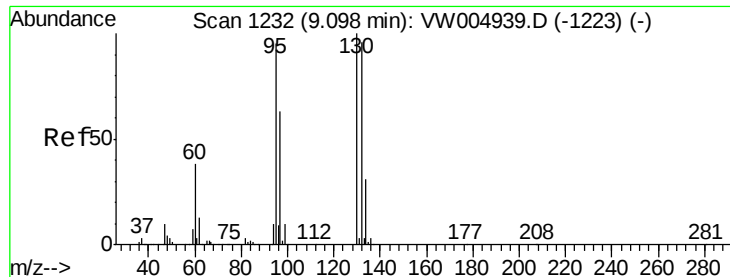
Tgt Ion: 78 Resp: 820222



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33





#35

Trichloroethene

Concen: 24.763 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

Tgt Ion: 95 Resp: 196705

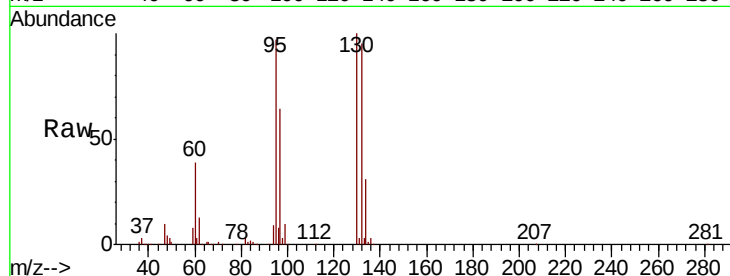
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 100.5 69.2 128.4

130 104.5 72.7 135.1

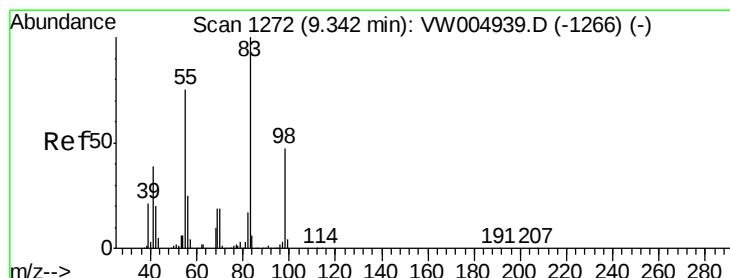
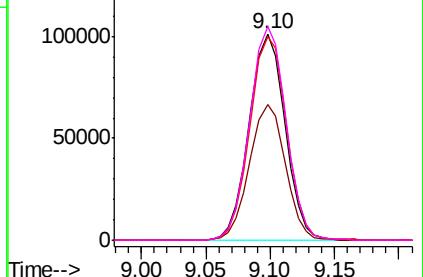
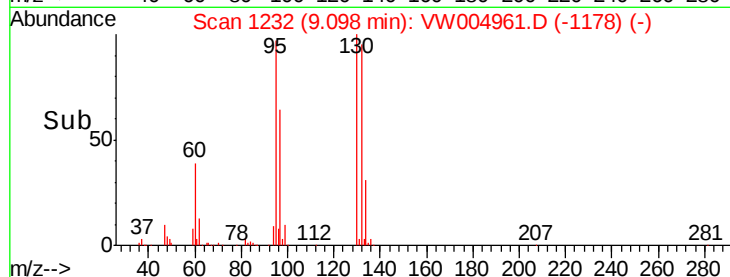


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.679 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

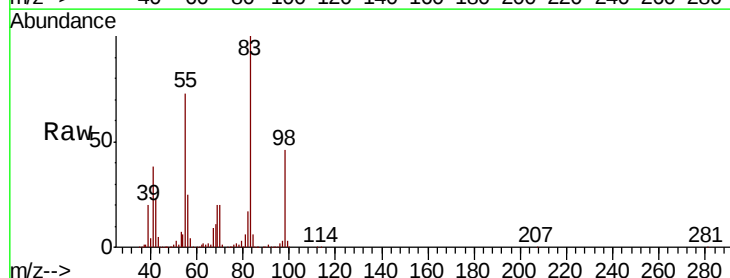
Tgt Ion: 83 Resp: 391983

Ion Ratio Lower Upper

83 100

55 76.7 61.1 91.7

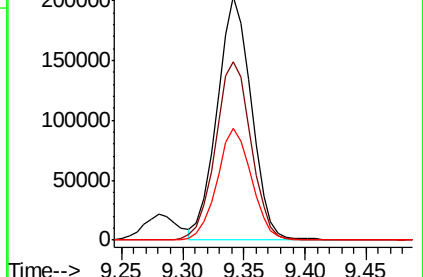
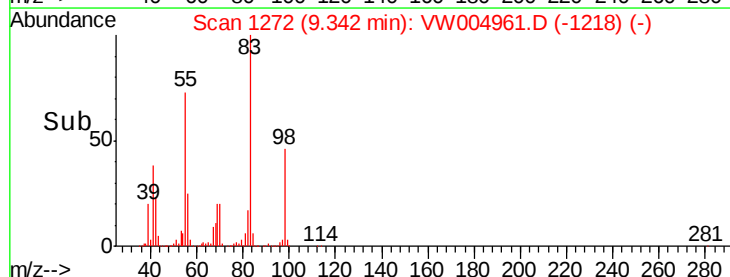
98 46.2 37.0 55.4

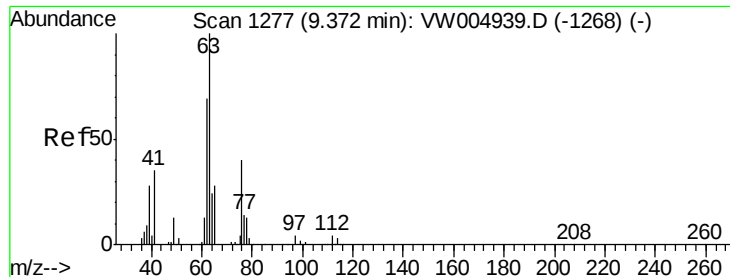


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

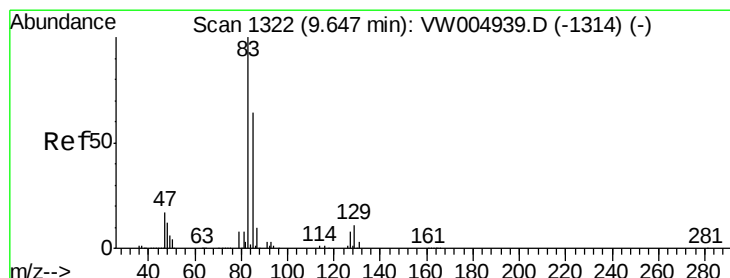
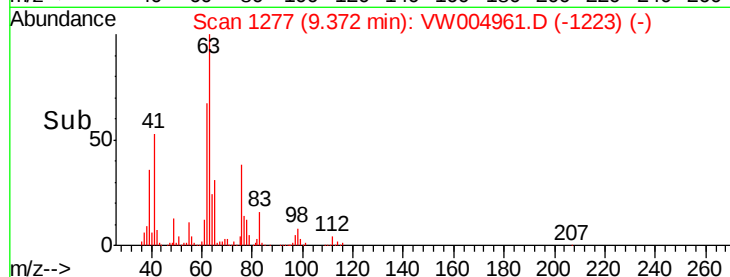
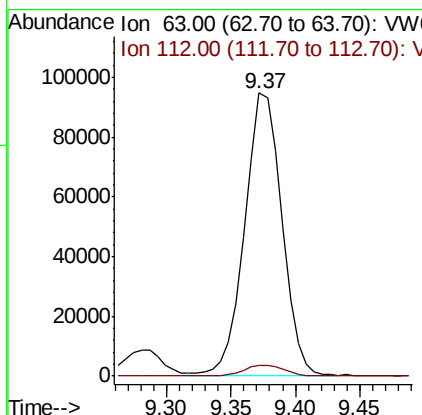
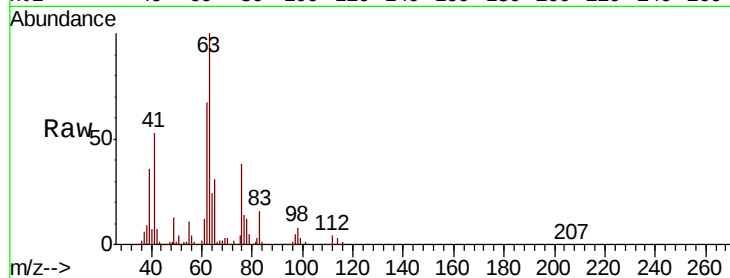




#40
 1,2-Dichloropropane
 Concen: 24.090 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

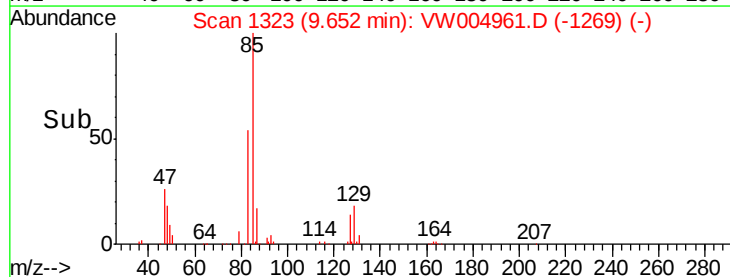
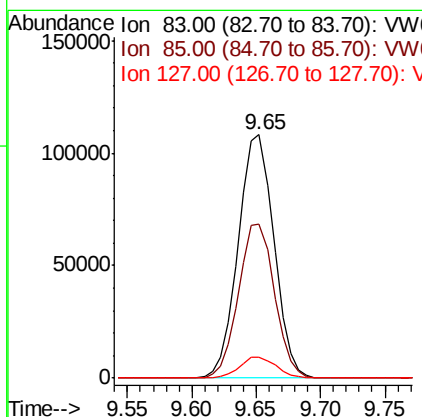
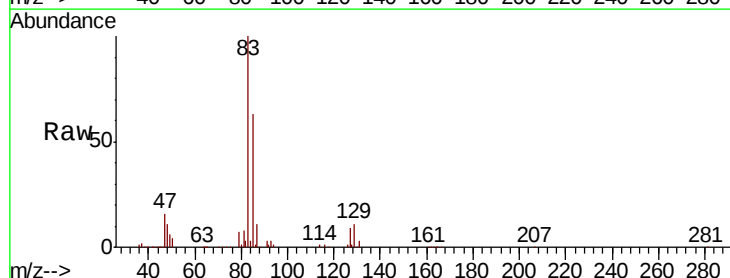
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

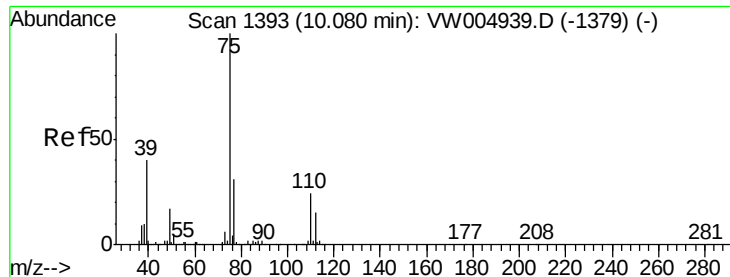
Tgt Ion: 63 Resp: 189302
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#41
 Bromodichloromethane
 Concen: 24.014 ug/L
 RT: 9.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Tgt Ion: 83 Resp: 207928
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.6 81.0
 127 8.5 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 22.925 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

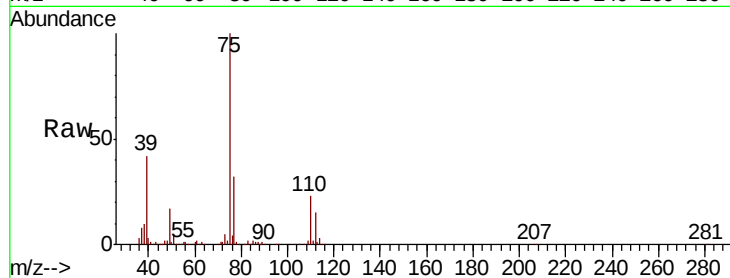
VSTD02582

Tgt Ion: 75 Resp: 250072

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

150000

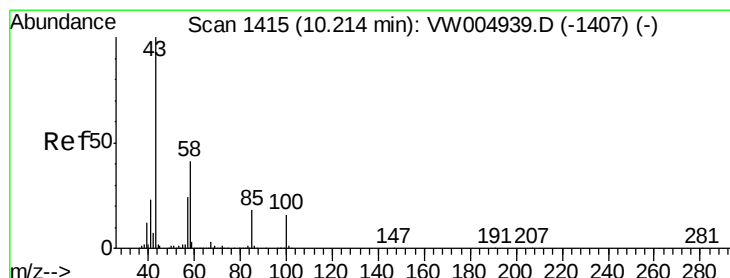
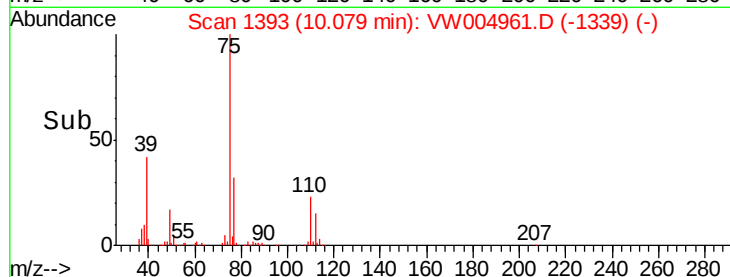
100000

50000

0

Time-->

10.00 10.10 10.20



#43

4-Methyl-2-pentanone

Concen: 55.856 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

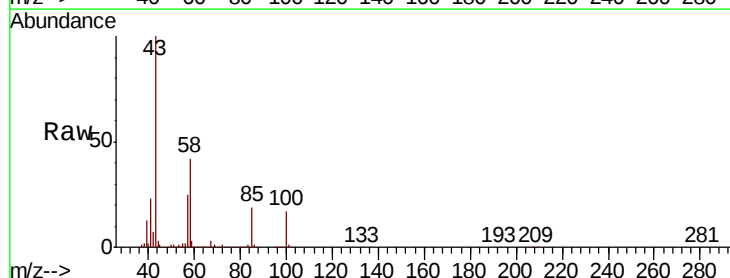
Tgt Ion: 43 Resp: 324015

Ion Ratio Lower Upper

43 100

58 41.1 32.1 48.1

100 15.9 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

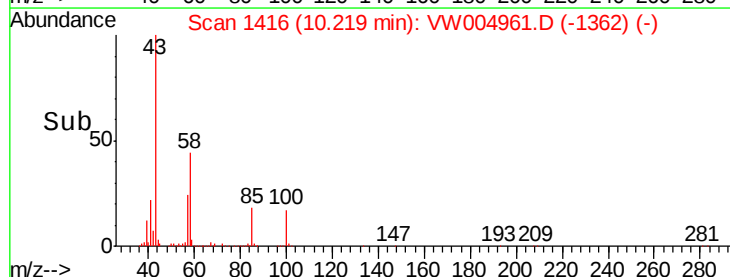
200000

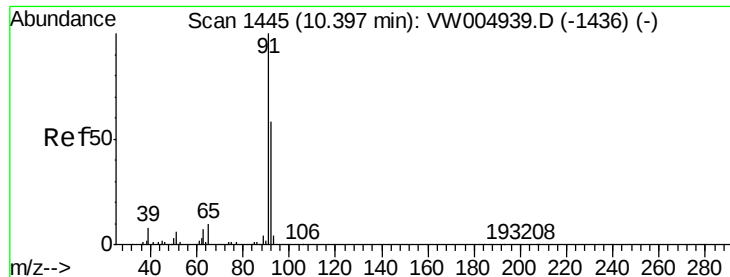
100000

0

Time-->

10.20 10.30





#44

Toluene

Concen: 26.040 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

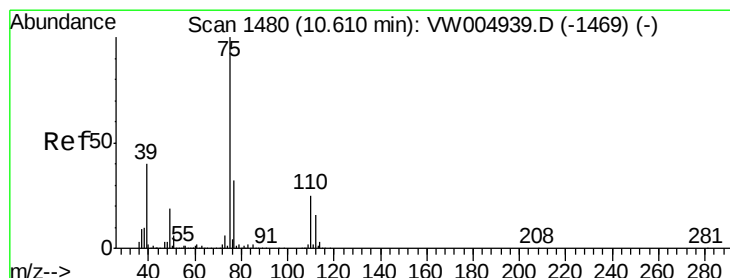
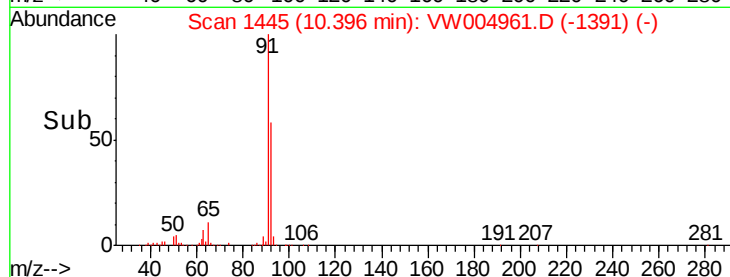
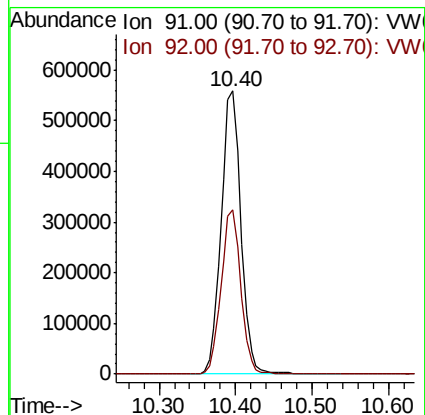
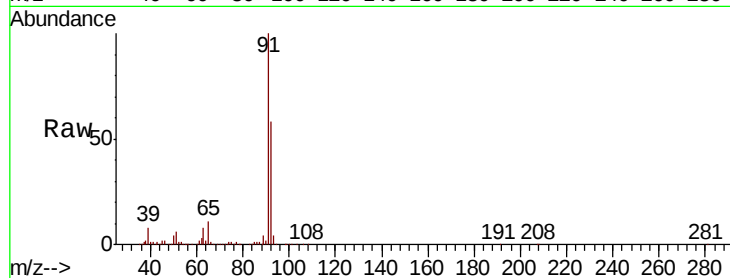
VSTD02582

Tgt Ion: 91 Resp: 998963

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 22.600 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004961.D

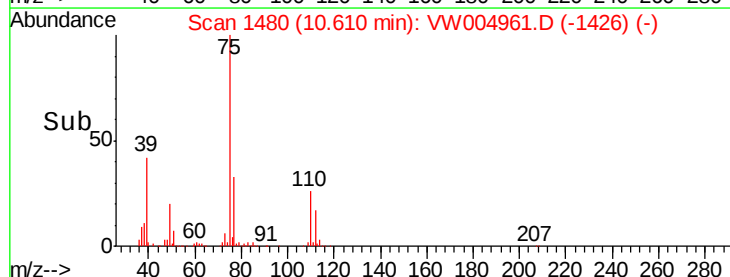
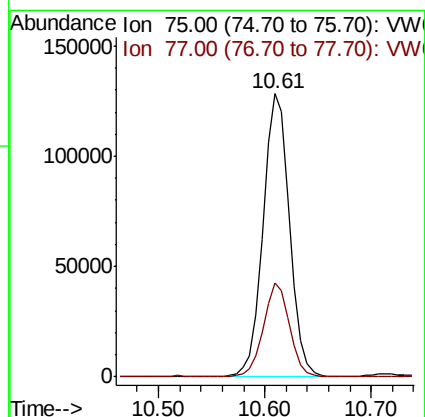
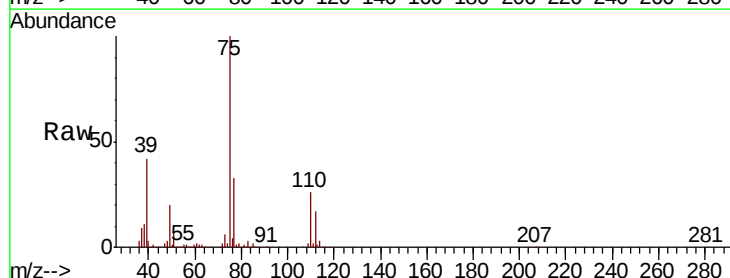
Acq: 25 Aug 2018 02:31

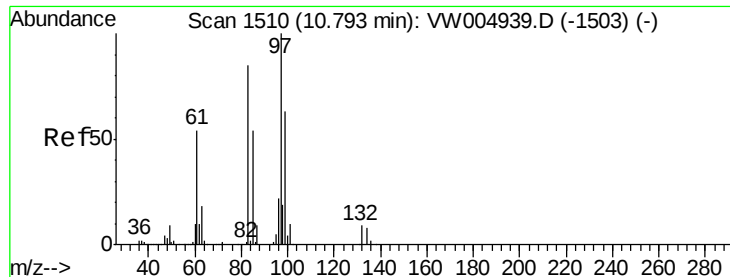
Tgt Ion: 75 Resp: 223584

Ion Ratio Lower Upper

75 100

77 33.2 22.2 41.2

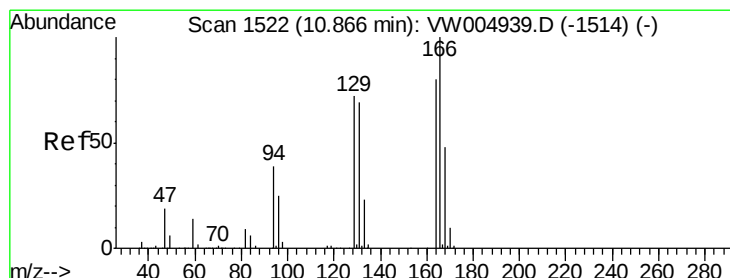
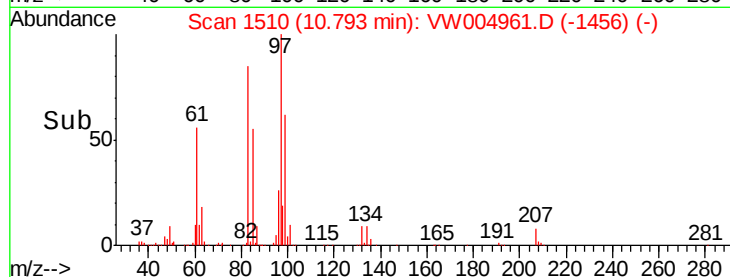
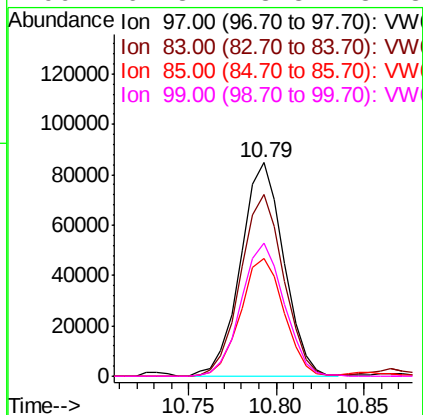
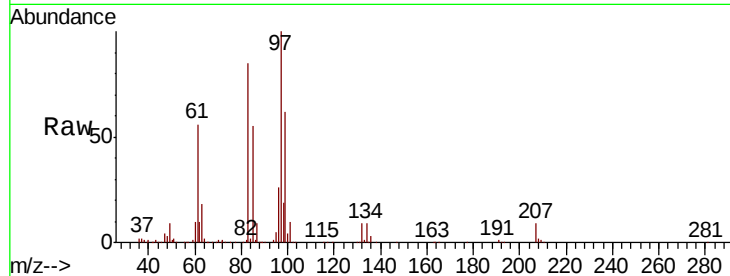




#46
 1,1,2-Trichloroethane
 Concen: 23.722 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

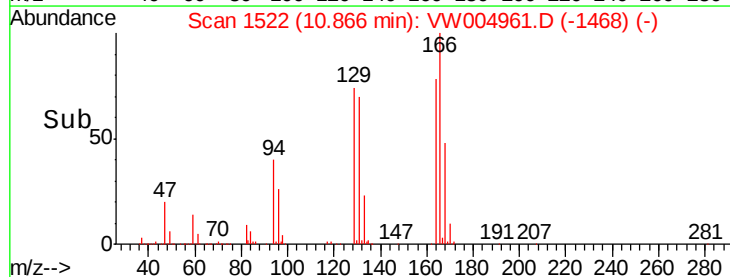
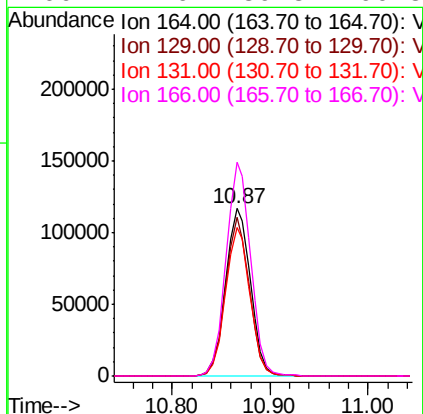
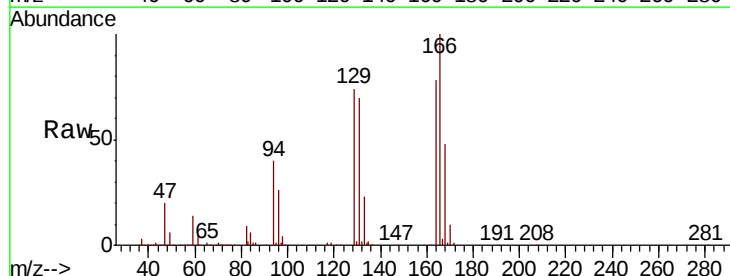
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

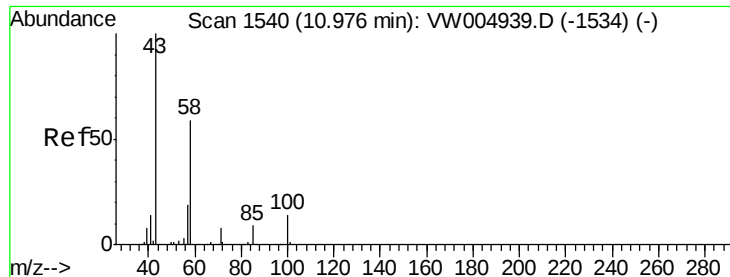
Tgt Ion:	97	Resp:	145500
Ion	Ratio	Lower	Upper
97	100		
83	85.0	59.6	110.8
85	54.9	38.1	70.9
99	62.3	43.8	81.3



#47
 Tetrachloroethene
 Concen: 26.438 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Tgt Ion:	164	Resp:	205600
Ion	Ratio	Lower	Upper
164	100		
129	94.9	66.8	124.0
131	88.7	64.0	119.0
166	127.6	89.8	166.8





#49

2-Hexanone

Concen: 59.226 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

Tgt Ion: 43 Resp: 265500

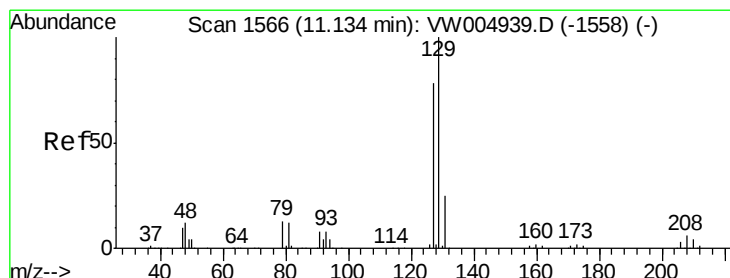
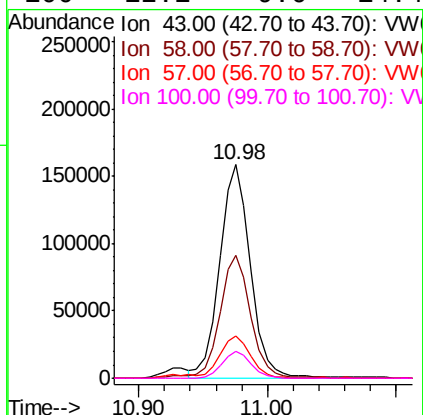
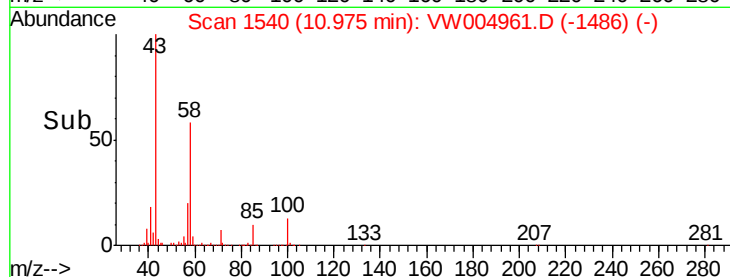
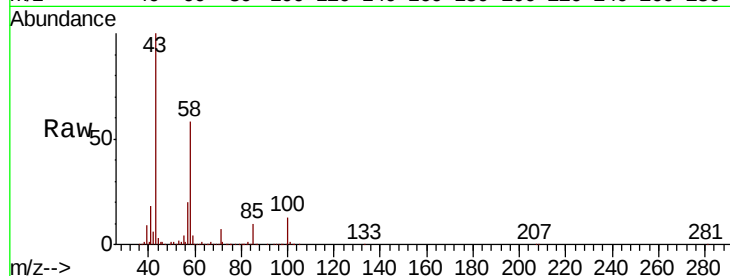
Ion Ratio Lower Upper

43 100

58 57.0 44.6 67.0

57 19.3 15.4 23.2

100 12.1 9.6 14.4



#50

Dibromochloromethane

Concen: 23.519 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004961.D

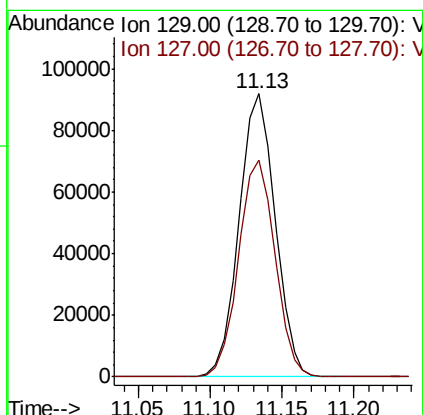
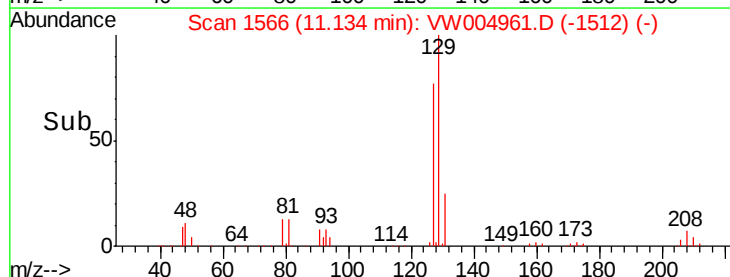
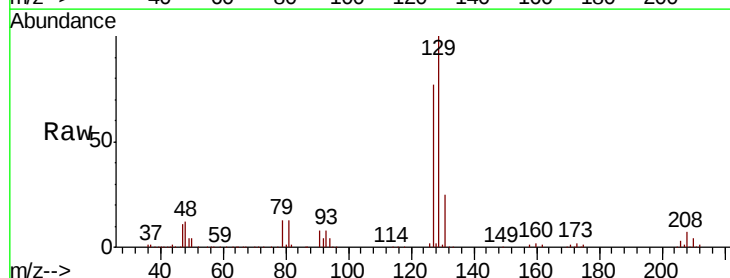
Acq: 25 Aug 2018 02:31

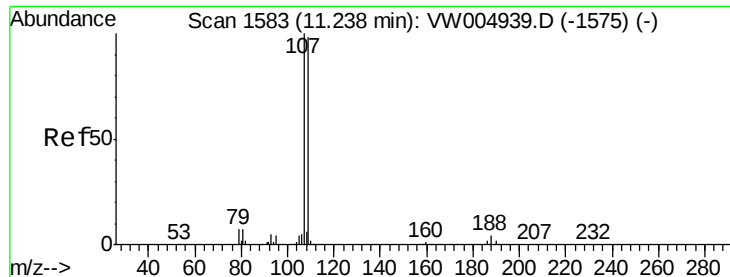
Tgt Ion: 129 Resp: 160154

Ion Ratio Lower Upper

129 100

127 76.6 53.8 99.8





#51

1,2-Dibromoethane

Concen: 24.019 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

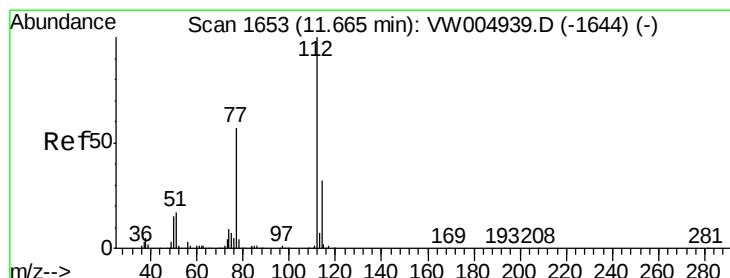
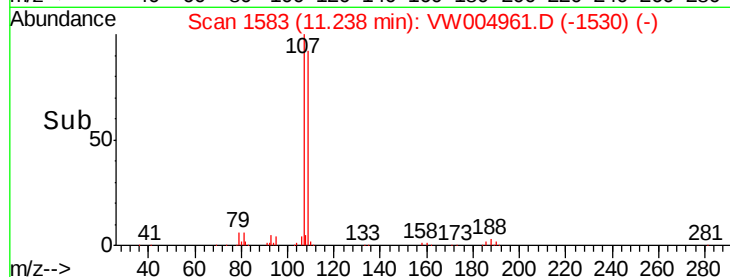
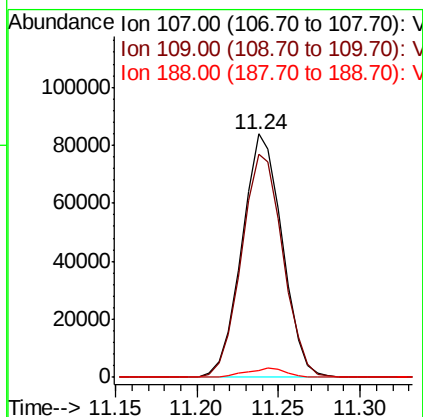
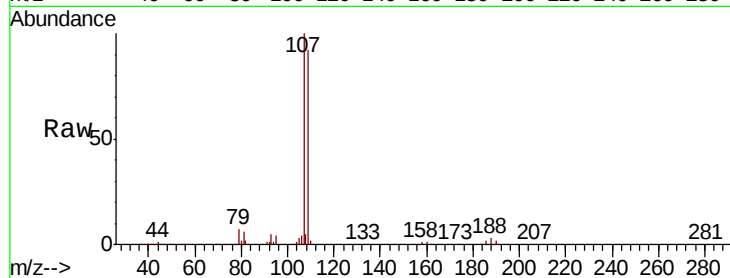
Instrument :

MSVOA_W

ClientSampled :

VSTD02582

Tgt Ion:	107	Resp:	144619
Ion	Ratio	Lower	Upper
107	100		
109	91.9	67.3	124.9
188	3.0	3.0	4.6



#52

Chlorobenzene

Concen: 24.574 ug/L

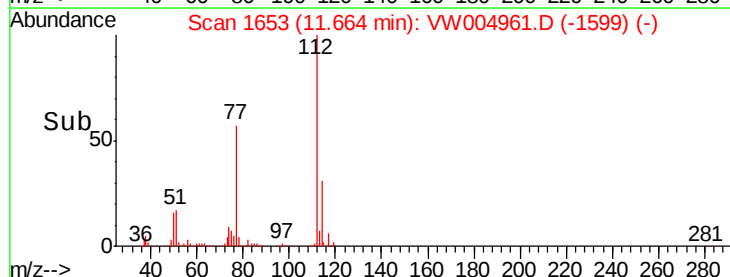
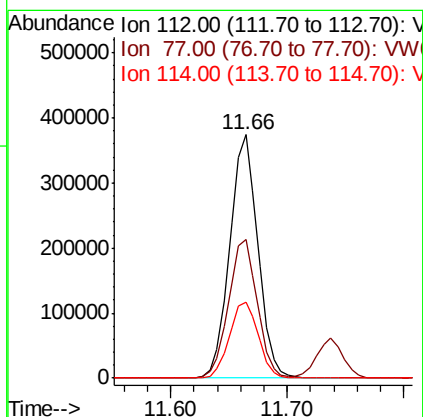
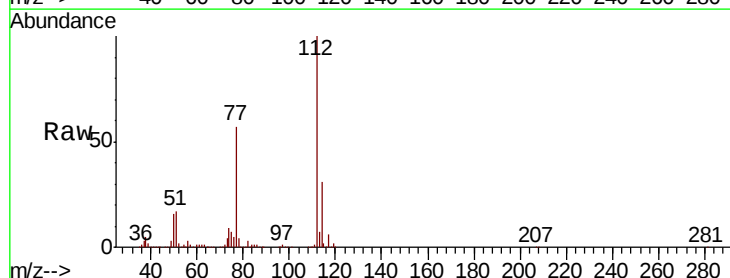
RT: 11.66 min Scan# 1653

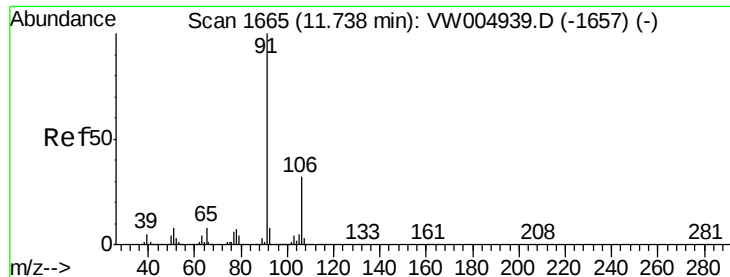
Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Tgt Ion:	112	Resp:	626249
Ion	Ratio	Lower	Upper
112	100		
77	56.8	45.8	68.8
114	31.4	22.5	41.7





#53

Ethylbenzene

Concen: 26.063 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

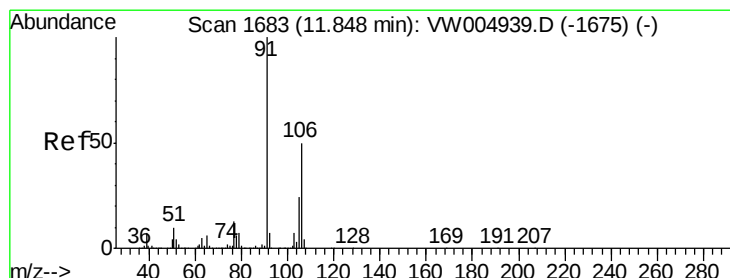
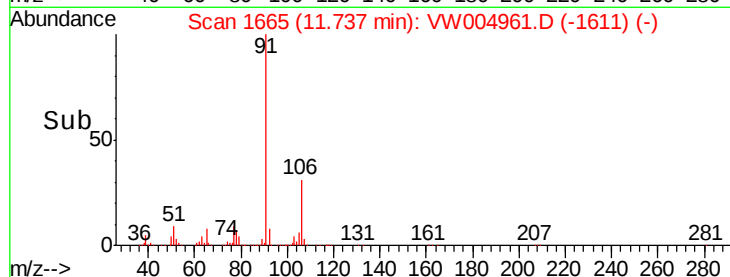
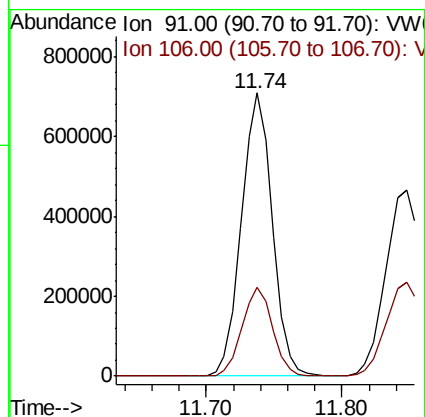
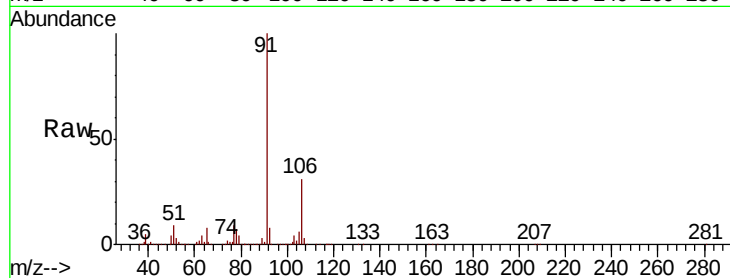
VSTD02582

Tgt Ion: 91 Resp: 1125098

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.2



#54

m,p-Xylene

Concen: 26.388 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004961.D

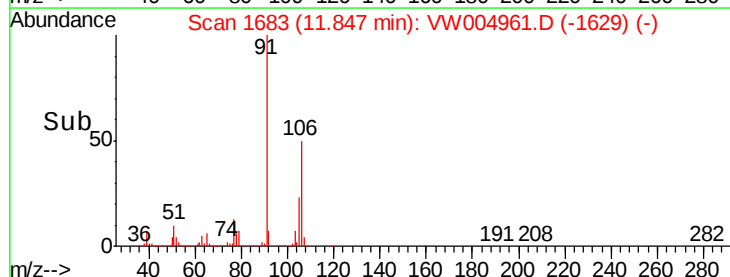
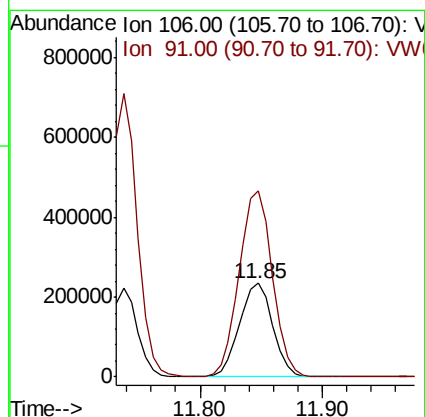
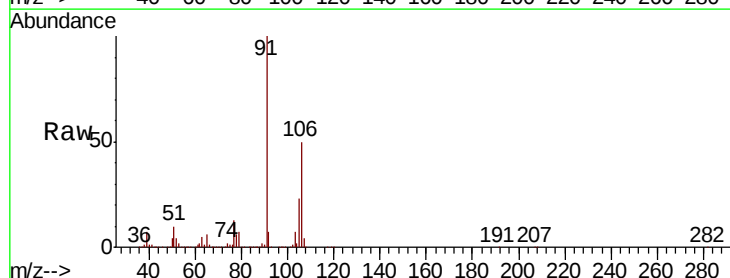
Acq: 25 Aug 2018 02:31

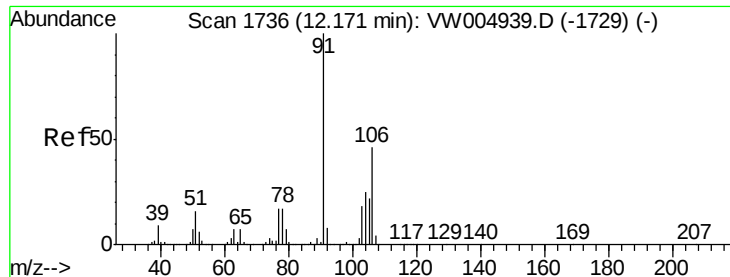
Tgt Ion: 106 Resp: 441919

Ion Ratio Lower Upper

106 100

91 198.7 141.4 262.6

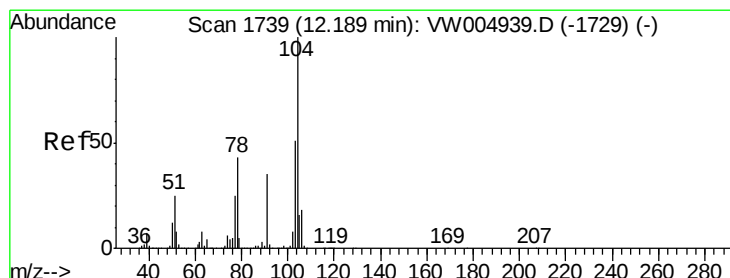
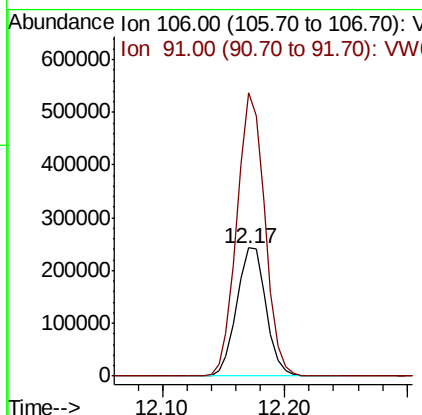
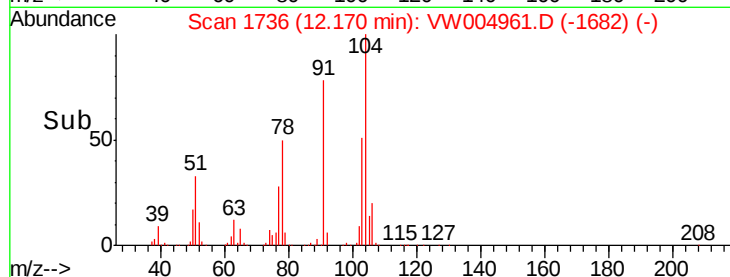
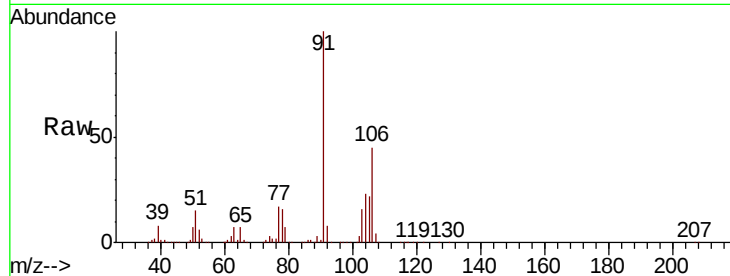




#55
o-xylene
Concen: 25.614 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

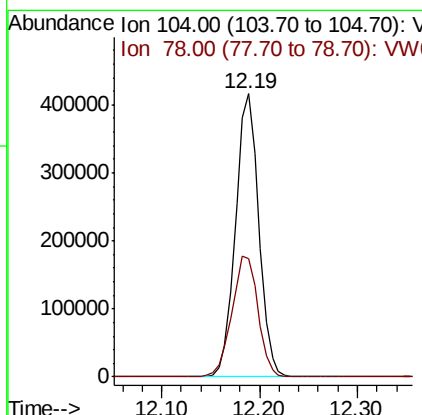
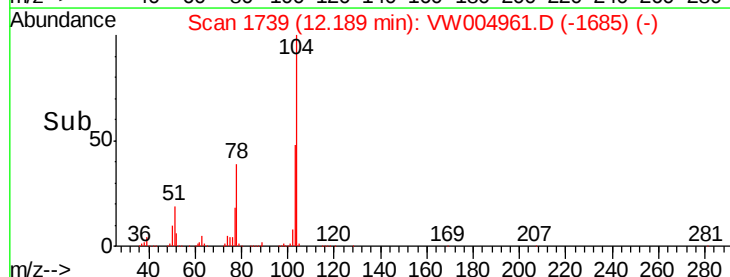
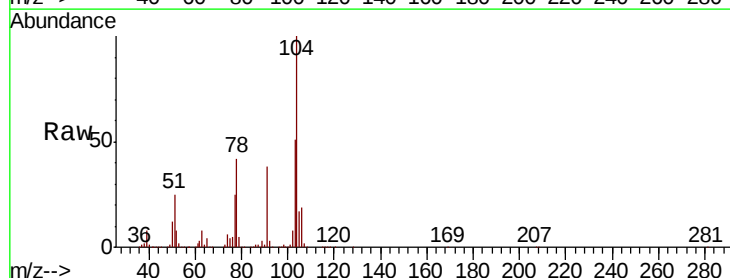
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

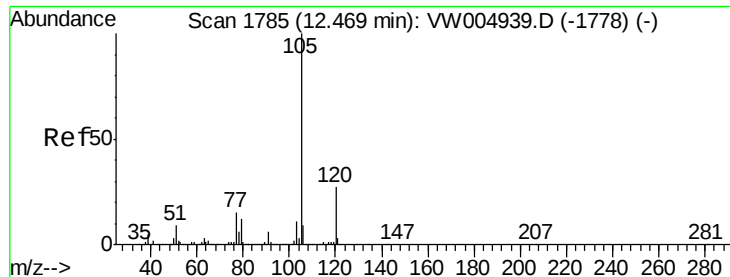
Tgt Ion:106 Resp: 400788
Ion Ratio Lower Upper
106 100
91 220.6 147.0 273.0



#56
Styrene
Concen: 25.585 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004961.D
Acq: 25 Aug 2018 02:31

Tgt Ion:104 Resp: 687850
Ion Ratio Lower Upper
104 100
78 41.9 29.8 55.3





#57

Isopropylbenzene

Concen: 27.045 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

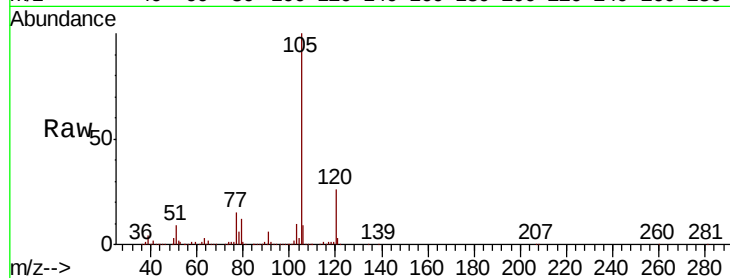
Tgt Ion:105 Resp: 1130361

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

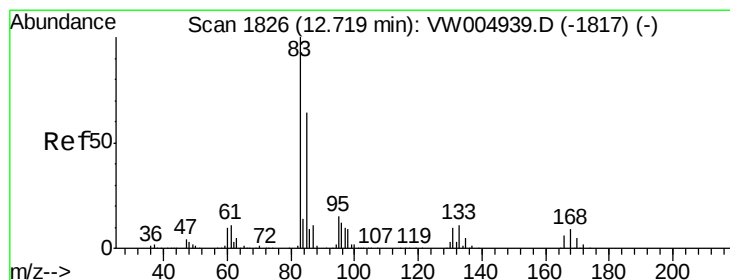
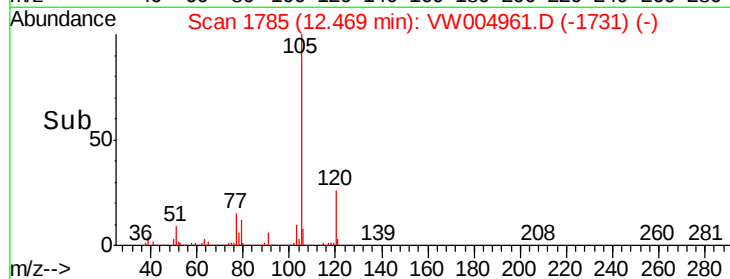
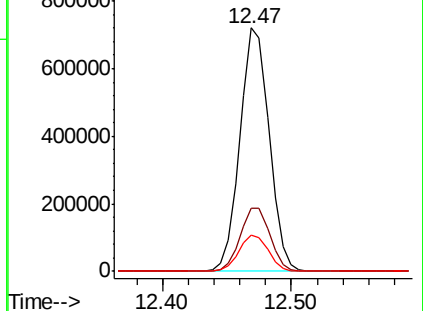
77 14.9 12.0 18.0



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: 25.606 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

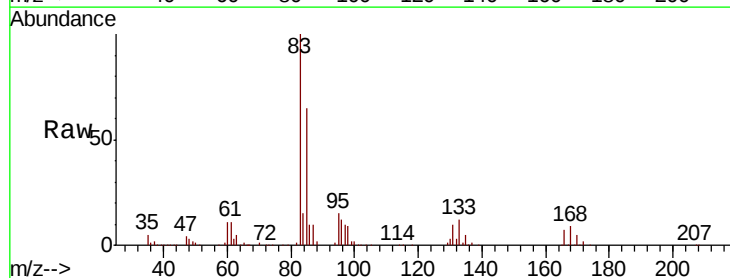
Tgt Ion: 83 Resp: 223840

Ion Ratio Lower Upper

83 100

85 65.3 46.3 85.9

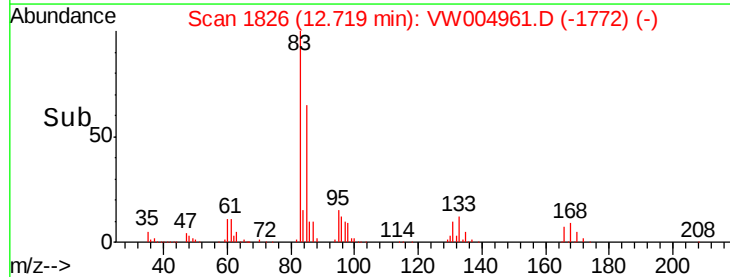
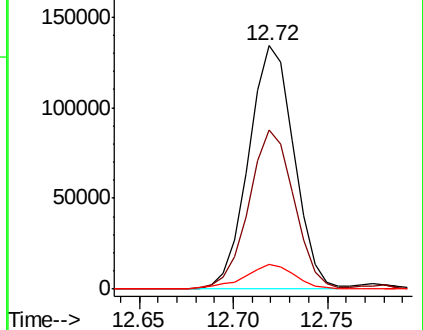
131 10.2 7.8 11.6

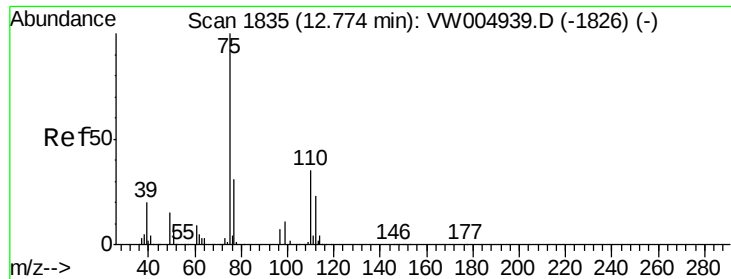


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.892 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

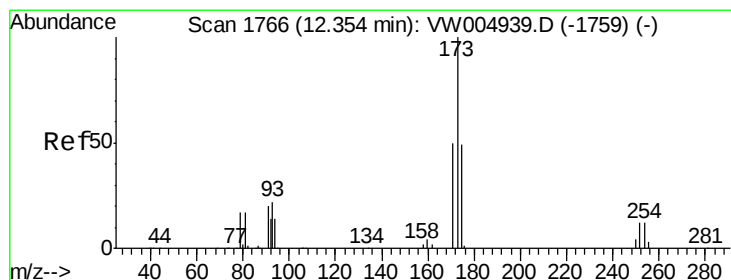
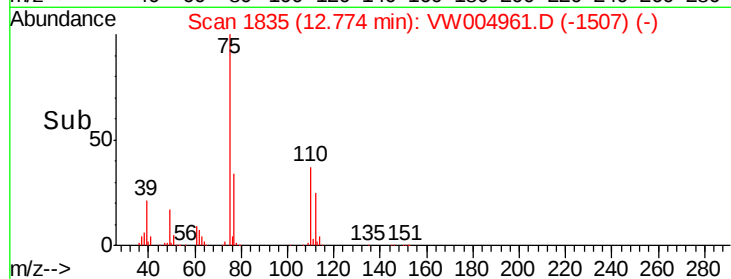
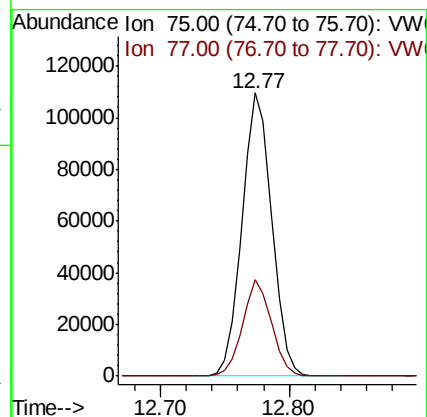
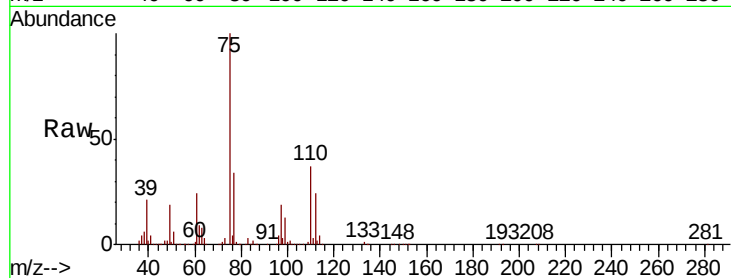
VSTD02582

Tgt Ion: 75 Resp: 174412

Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9



#62

Bromoform

Concen: 24.194 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

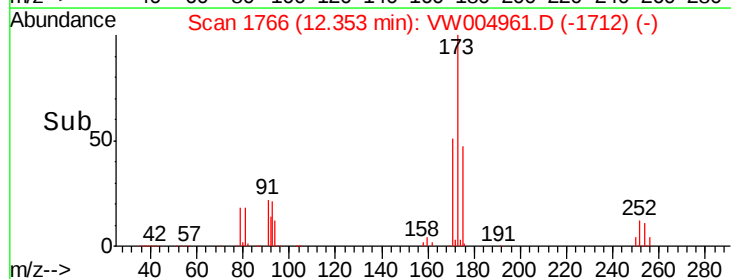
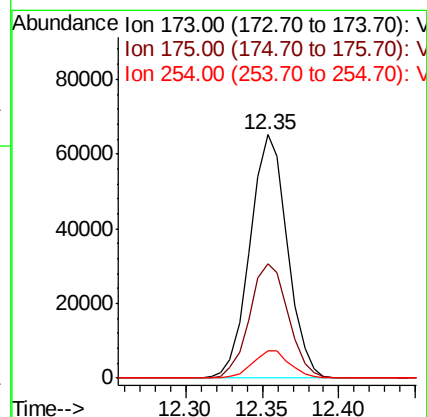
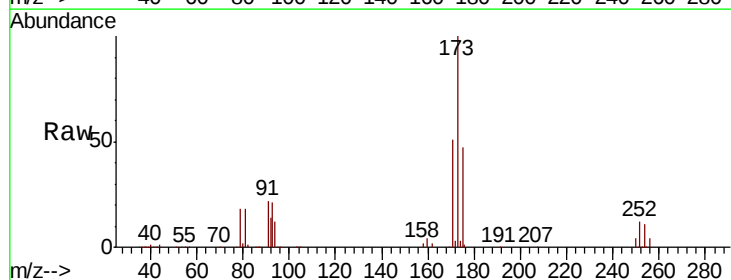
Tgt Ion: 173 Resp: 110780

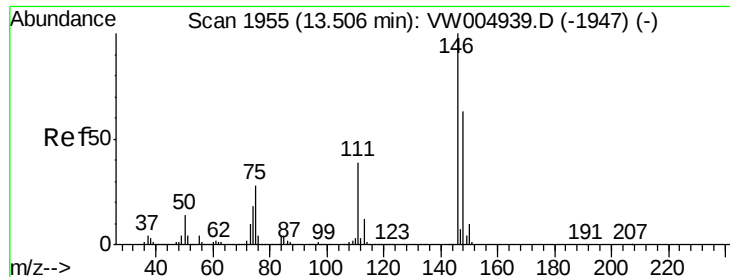
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

254 11.2 9.0 13.6

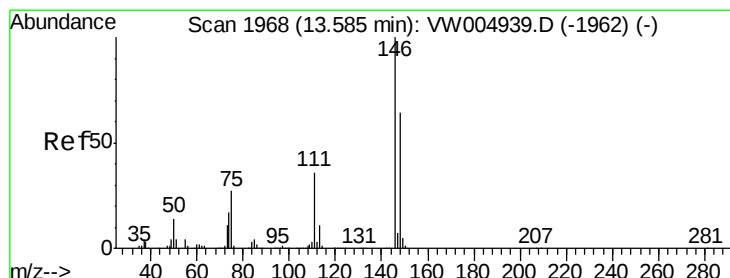
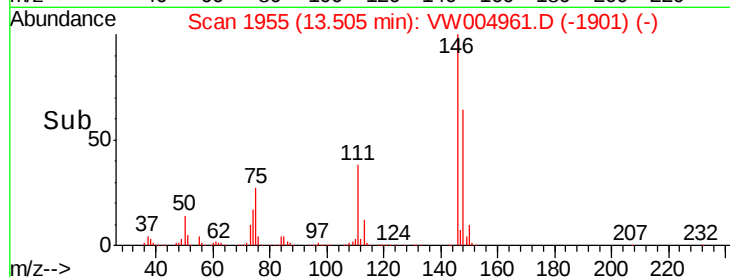
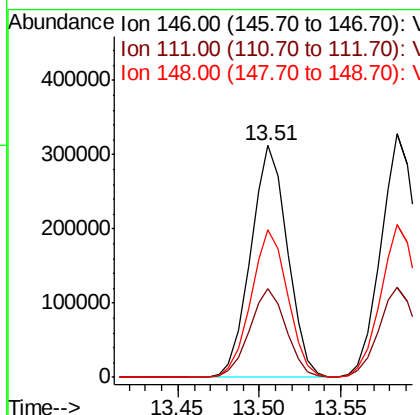
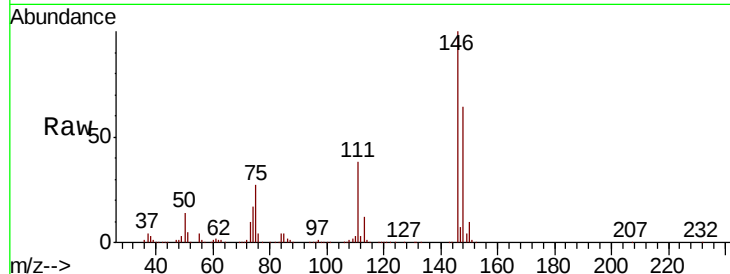




#63
 1,3-Dichlorobenzene
 Concen: 24.648 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

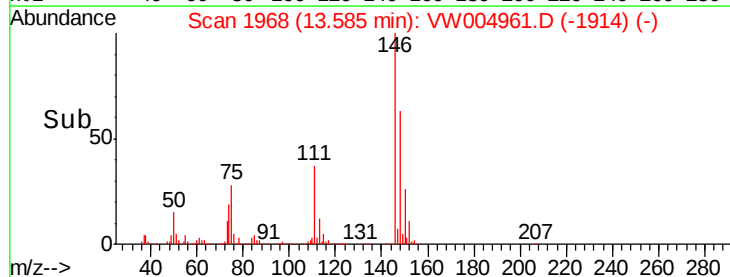
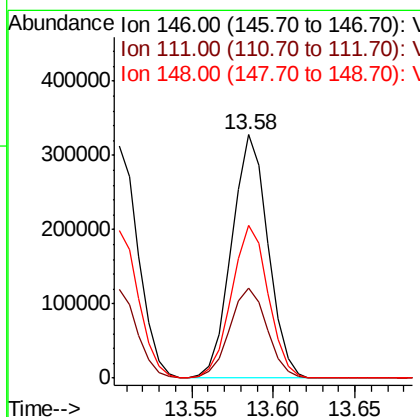
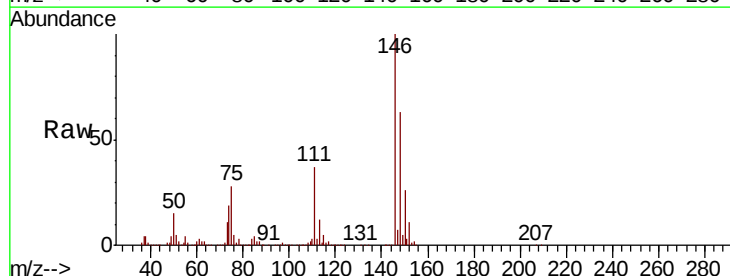
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

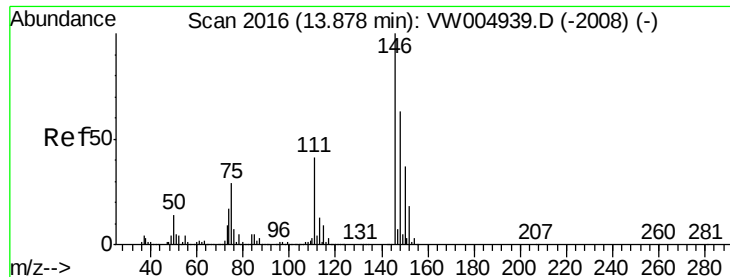
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	25.6	47.6
148	63.5	42.7	79.3



#64
 1,4-Dichlorobenzene
 Concen: 24.475 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.6	51.4
148	62.8	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 24.620 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

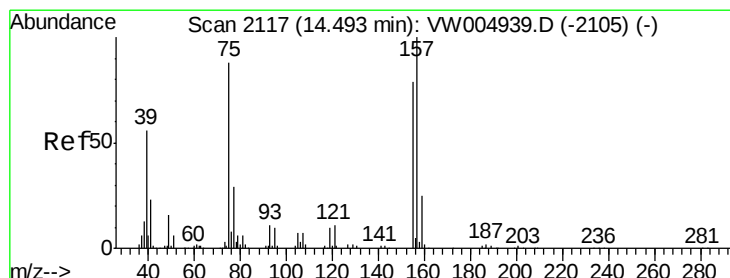
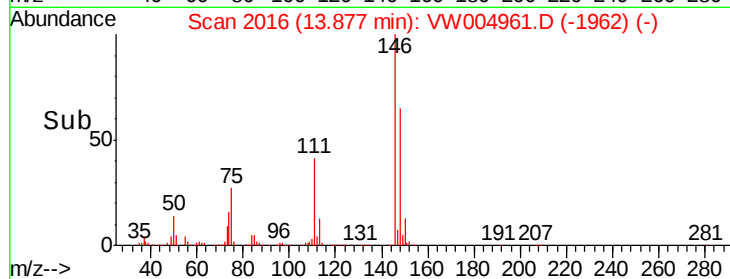
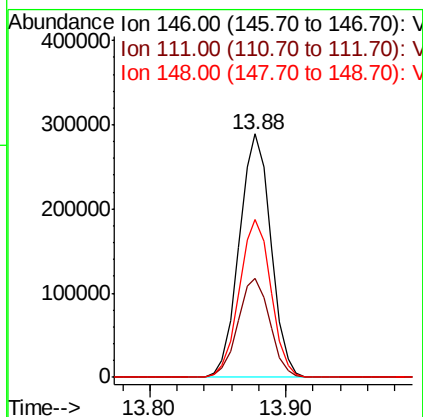
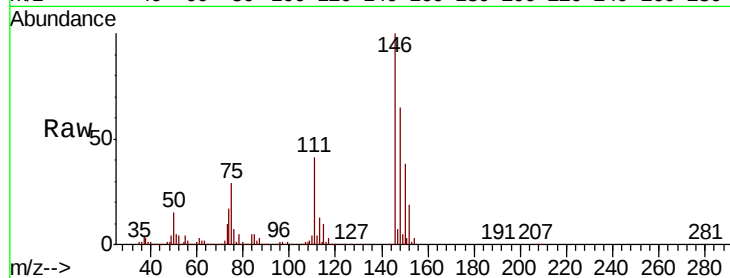
Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

Tgt Ion:	146	Resp:	469350
Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.0	48.0
148	64.9	50.6	75.8



#66

1,2-Dibromo-3-chloropropane

Concen: 27.783 ug/L

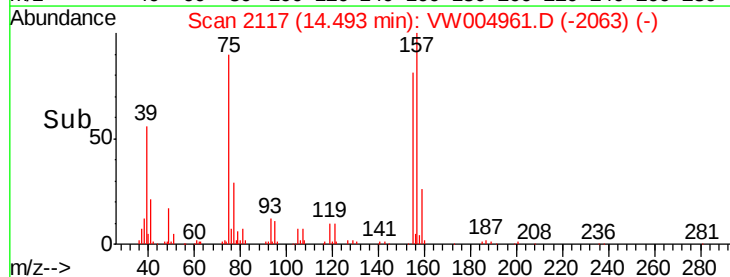
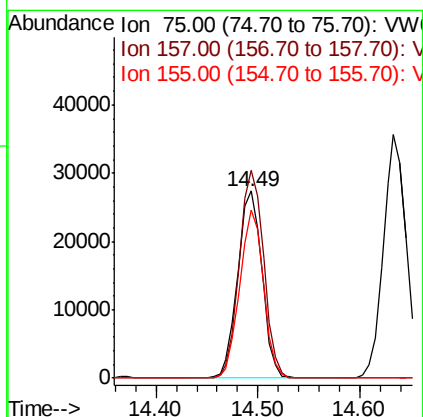
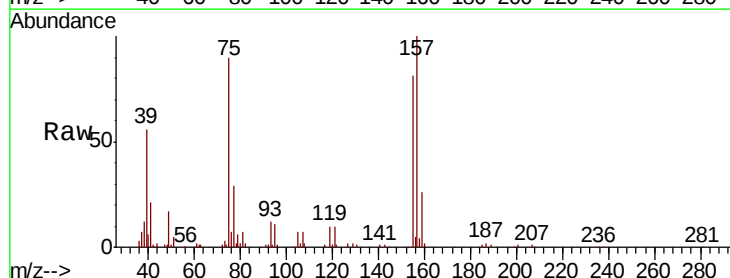
RT: 14.49 min Scan# 2117

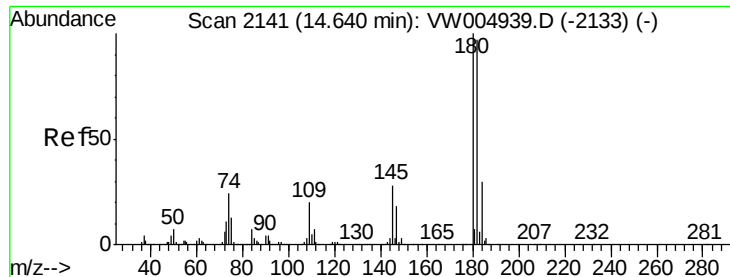
Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Tgt Ion:	75	Resp:	44914
Ion	Ratio	Lower	Upper
75	100		
157	111.5	90.7	136.1
155	90.1	69.5	104.3

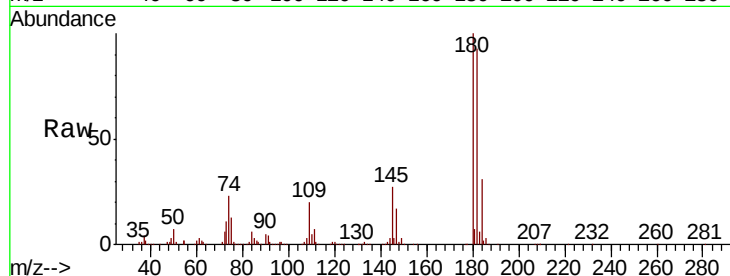




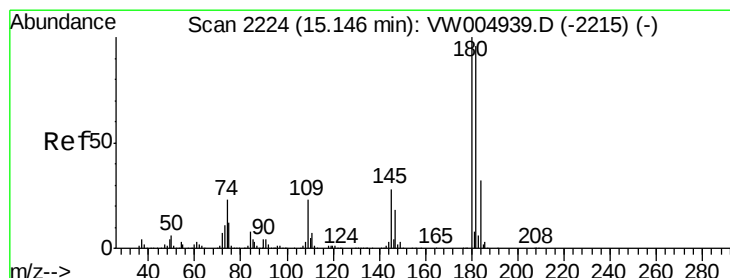
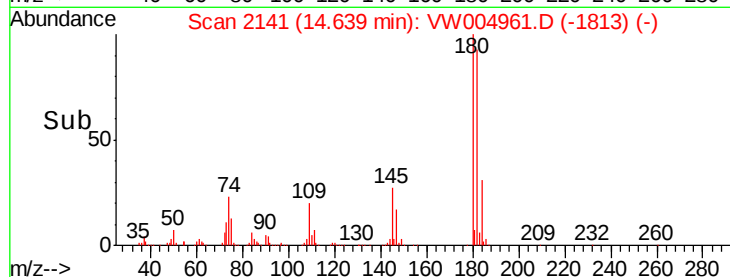
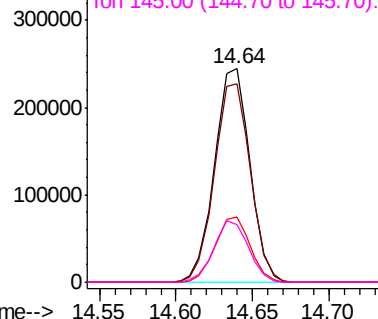
#67
 1,3,5-Trichlorobenzene
 Concen: 24.637 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

Tgt Ion:	180	Resp:	392212
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
184	30.3	24.3	36.5
145	28.4	23.0	34.6

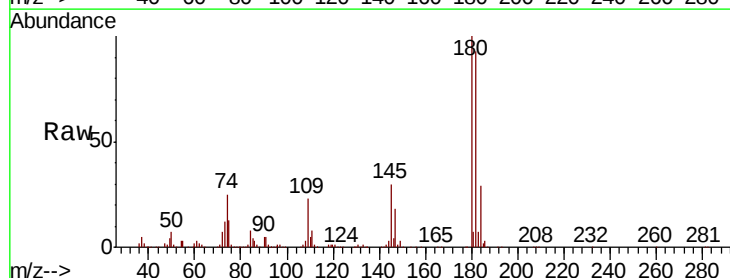


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

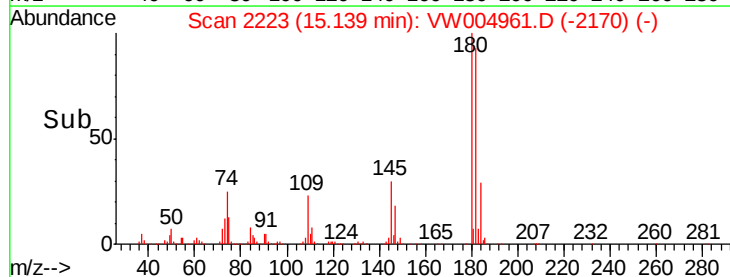
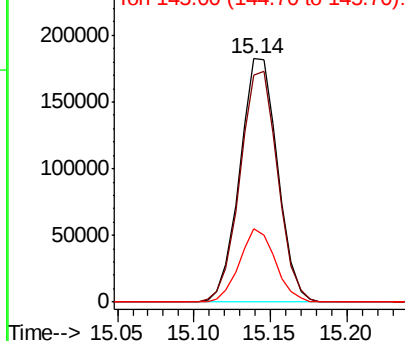


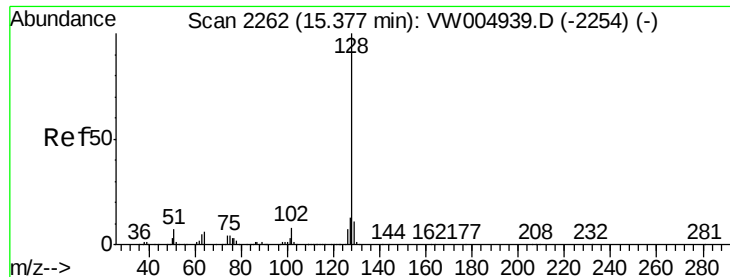
#68
 1,2,4-trichlorobenzene
 Concen: 24.356 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004961.D
 Acq: 25 Aug 2018 02:31

Tgt Ion:	180	Resp:	313067
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
145	28.8	23.3	34.9



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





#69

Naphthalene

Concen: 27.250 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

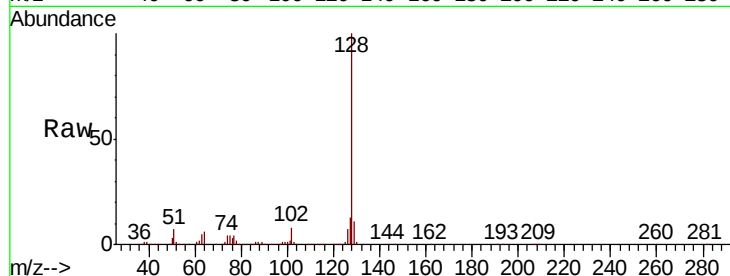
Tgt Ion:128 Resp: 711962

Ion Ratio Lower Upper

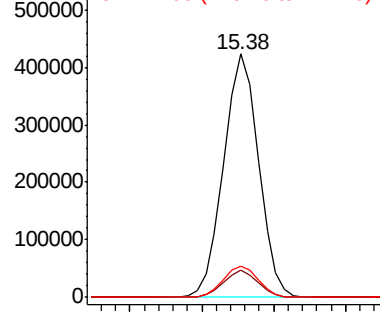
128 100

129 10.9 8.9 13.3

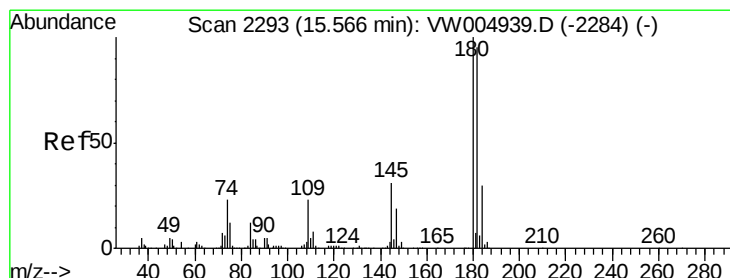
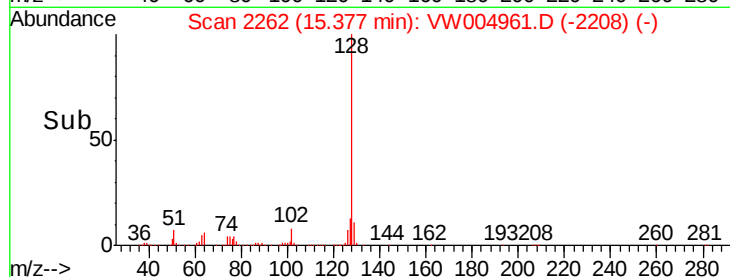
127 12.9 10.6 15.8



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



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 25.811 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004961.D

Acq: 25 Aug 2018 02:31

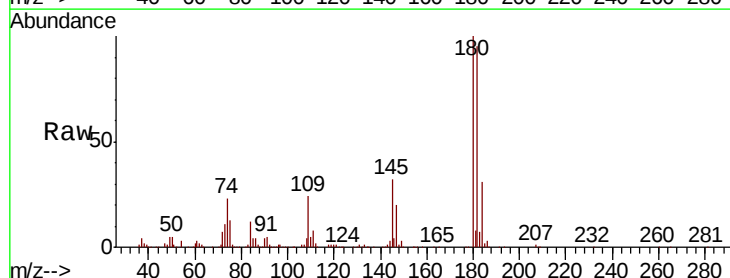
Tgt Ion:180 Resp: 312490

Ion Ratio Lower Upper

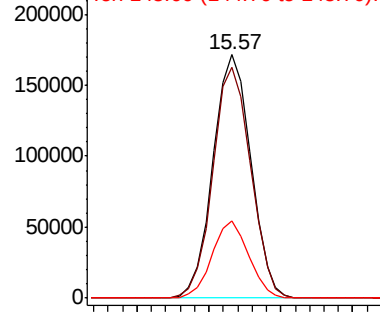
180 100

182 95.0 75.8 113.6

145 30.9 24.6 37.0



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



Time-->

