

Data File : VW006927.D
Acq On : 16 Nov 2018 19:55
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

Quant Time: Nov 16 23:55:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:51:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	176260	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	168506	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	83291	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33279	21.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.08%
7) Chloroethane-d5	2.88	69	25598	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
10) 1,1-Dichloroethene-d2	4.03	63	87811	21.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.04%
20) 2-Butanone-d5	7.09	46	35258	40.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.76%
24) Chloroform-d	7.65	84	83996	21.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.12%
26) 1,2-Dichloroethane-d4	8.31	65	49762	22.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.36%
29) Benzene-d6	8.28	84	177127	20.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.44%
33) 1,2-Dichloropropane-d6	9.28	67	54784	20.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.28%
37) Toluene-d8	10.33	98	182962	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.12%
38) trans-1,3-Dichloropropene-	10.58	79	24656	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.16%
39) 2-Hexanone-d5	10.93	63	28386	42.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	51075	21.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	65524	20.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	56414	22.950 ug/L	100
3) Chloromethane	2.21	50	43732	22.793 ug/L	96
5) Vinyl chloride	2.36	62	44266	22.681 ug/L	97
6) Bromomethane	2.78	94	22797	25.982 ug/L	99
8) Chloroethane	2.92	64	23937	22.759 ug/L	97
9) Trichlorofluoromethane	3.26	101	81937	23.621 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	52306	22.543 ug/L	97
12) 1,1-Dichloroethene	4.04	96	44630	22.164 ug/L	96
13) Acetone	4.13	43	24394	43.907 ug/L	64
14) Carbon disulfide	4.38	76	155323	21.427 ug/L	98
15) Methyl Acetate	4.68	43	30562	22.591 ug/L	100
16) Methylene chloride	4.92	84	58492	18.978 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	134219	24.754 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	51415	22.365 ug/L	94
19) 1,1-Dichloroethane	6.23	63	87088	23.207 ug/L	99
21) 2-Butanone	7.18	43	40546	42.297 ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	55240	23.532 ug/L	96

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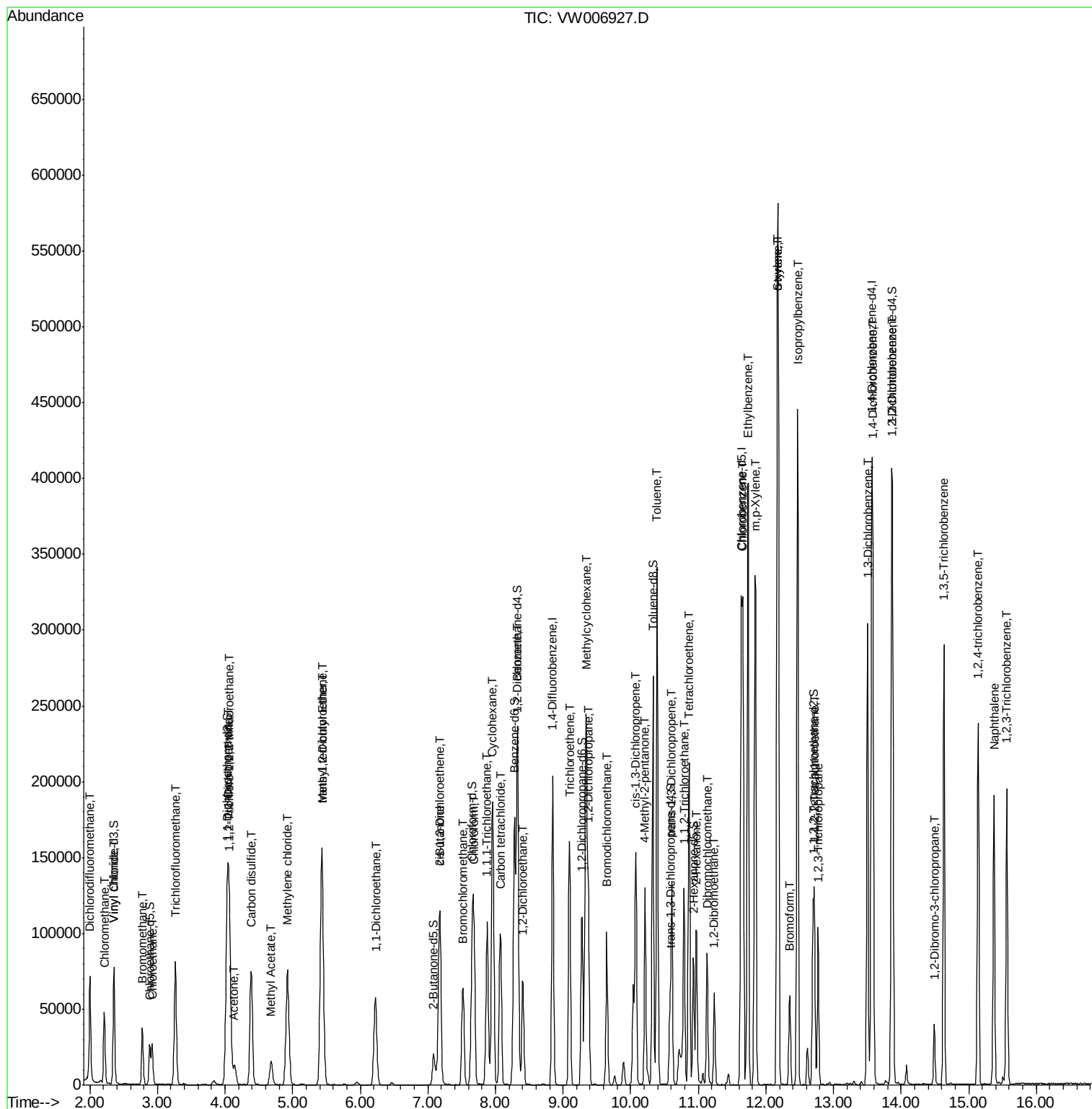
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	23561	24.624	ug/L	95
25) Chloroform	7.68	83	93029	21.440	ug/L	99
27) 1,2-Dichloroethane	8.40	62	64321	25.209	ug/L	99
30) Cyclohexane	7.96	56	93308	20.886	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	86092	22.958	ug/L	99
32) Carbon tetrachloride	8.07	117	76475	23.203	ug/L	100
34) Benzene	8.33	78	209856	22.269	ug/L	100
35) Trichloroethene	9.10	95	57884	22.552	ug/L	99
36) Methylcyclohexane	9.34	83	105053	21.293	ug/L	99
40) 1,2-Dichloropropane	9.37	63	52661	22.683	ug/L	99
41) Bromodichloromethane	9.65	83	68190	23.941	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	83337	23.775	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	84161	46.263	ug/L	99
44) Toluene	10.39	91	251929	23.349	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	71959	24.292	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	41351	23.263	ug/L	97
47) Tetrachloroethene	10.87	164	45430	23.148	ug/L	98
49) 2-Hexanone	10.97	43	65427	48.576	ug/L	98
50) Dibromochloromethane	11.13	129	47775	24.907	ug/L	97
51) 1,2-Dibromoethane	11.24	107	41561	24.584	ug/L	97
52) Chlorobenzene	11.66	112	159107	23.444	ug/L	98
53) Ethylbenzene	11.74	91	288973	22.503	ug/L	96
54) m,p-Xylene	11.84	106	112170	22.838	ug/L	97
55) o-xylene	12.17	106	105938	23.548	ug/L	97
56) Styrene	12.18	104	176804	23.708	ug/L	97
57) Isopropylbenzene	12.47	105	286995	22.787	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	54982	24.381	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	42541	24.222	ug/L	99
62) Bromoform	12.35	173	27101	25.928	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	125951	23.326	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	125806	23.341	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	116675	24.026	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	10573	23.486	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	85287	23.244	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	71623	23.953	ug/L	100
69) Naphthalene	15.38	128	166660	23.251	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	65207	24.529	ug/L	99

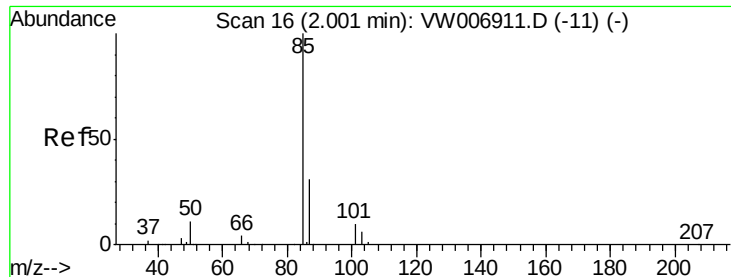
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.950 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

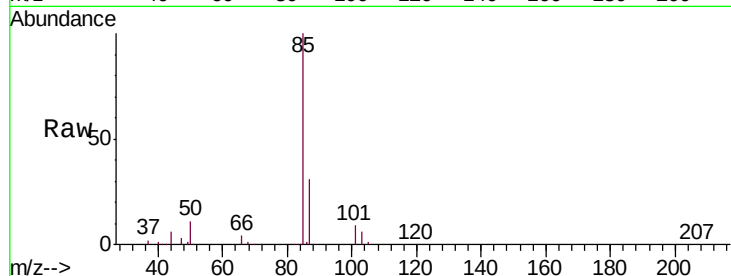
VSTD02593

Tgt Ion: 85 Resp: 56414

Ion Ratio Lower Upper

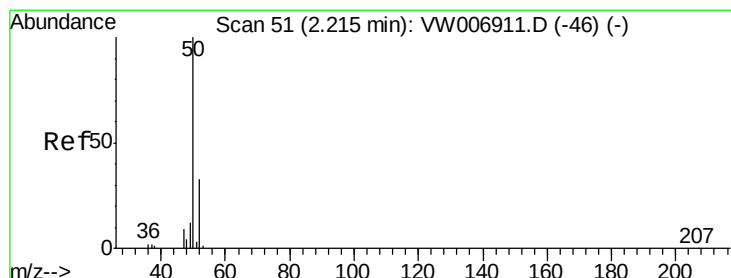
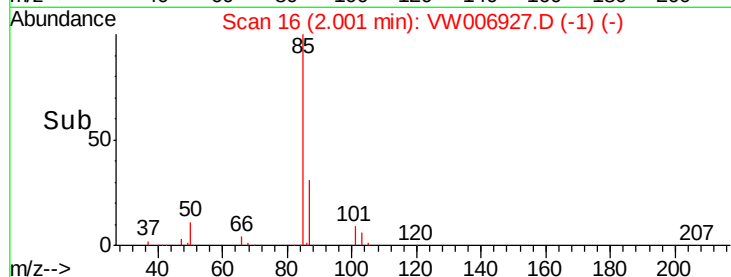
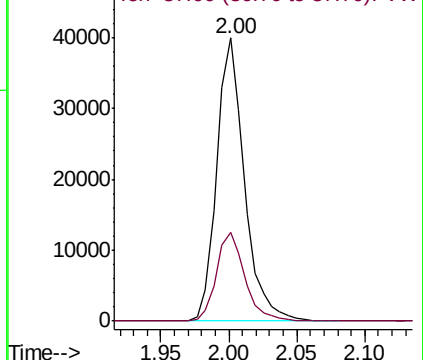
85 100

87 32.2 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.793 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006927.D

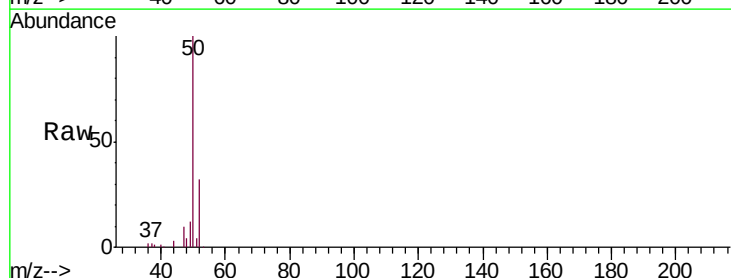
Acq: 16 Nov 2018 19:55

Tgt Ion: 50 Resp: 43732

Ion Ratio Lower Upper

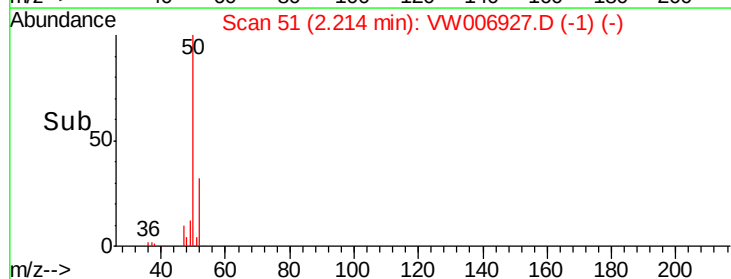
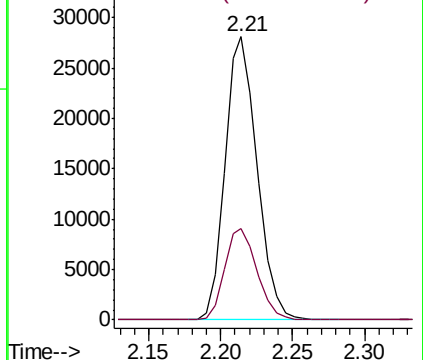
50 100

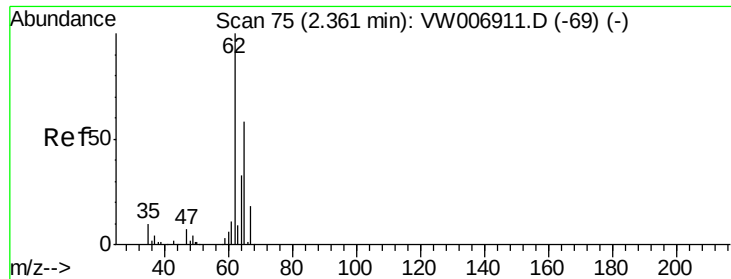
52 32.4 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.681 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006927.D

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Instrument :

MSVOA_W

ClientSampleId :

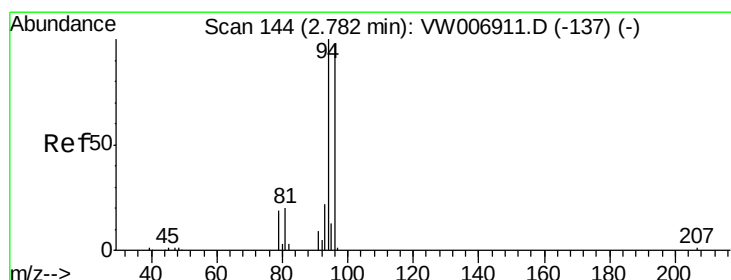
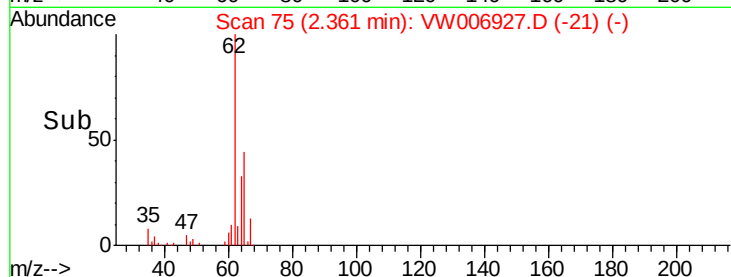
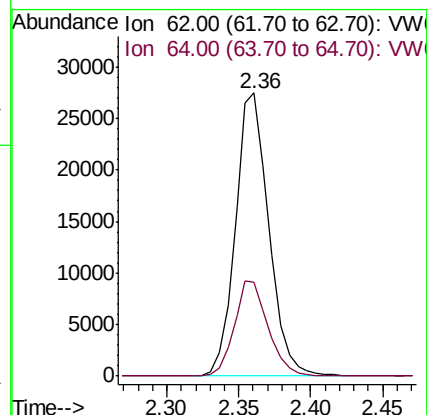
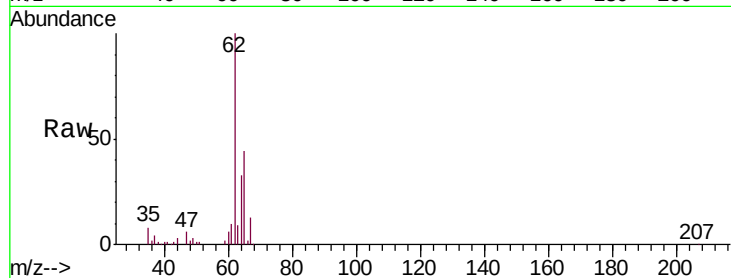
VSTD02593

Tgt Ion: 62 Resp: 44266

Ion Ratio Lower Upper

62 100

64 33.1 21.9 40.7



#6

Bromomethane

Concen: 25.982 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006927.D

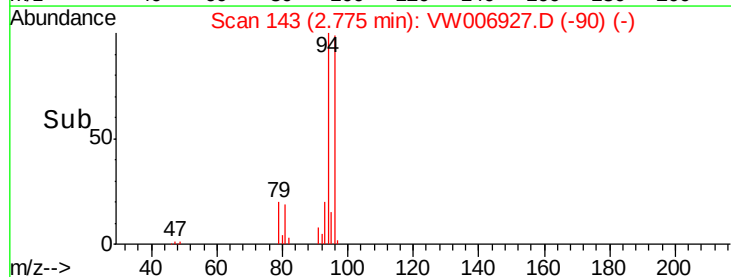
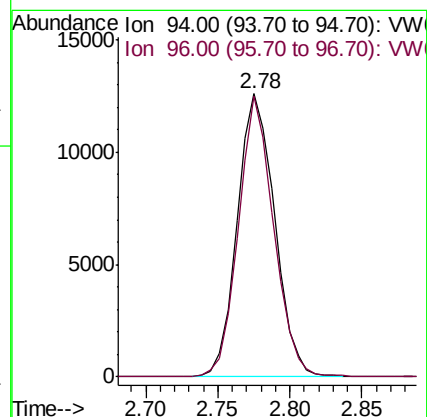
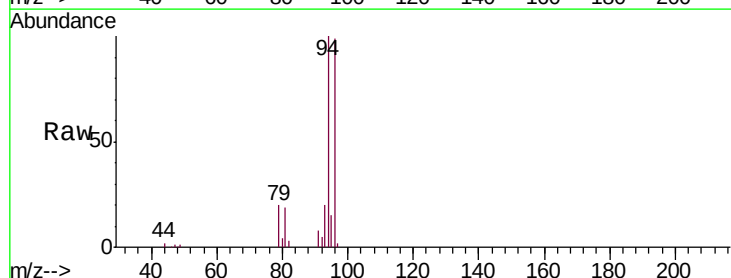
Acq: 16 Nov 2018 19:55

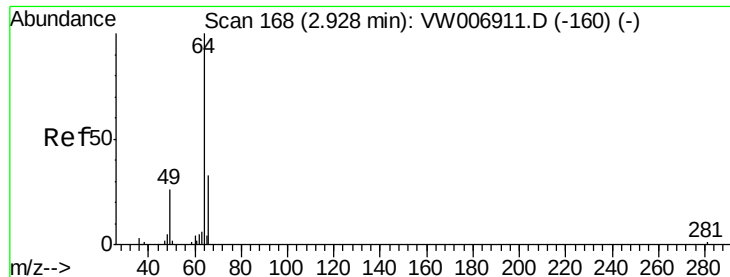
Tgt Ion: 94 Resp: 22797

Ion Ratio Lower Upper

94 100

96 93.1 9.4 179.5





#8

Chloroethane

Concen: 22.759 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

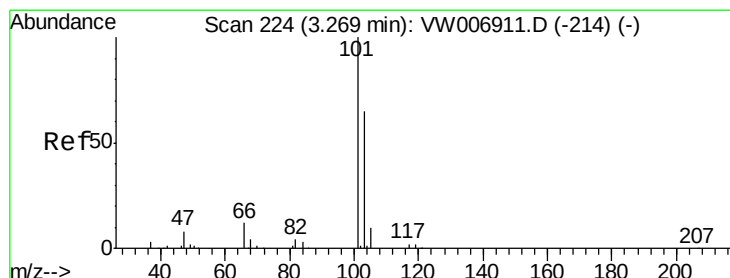
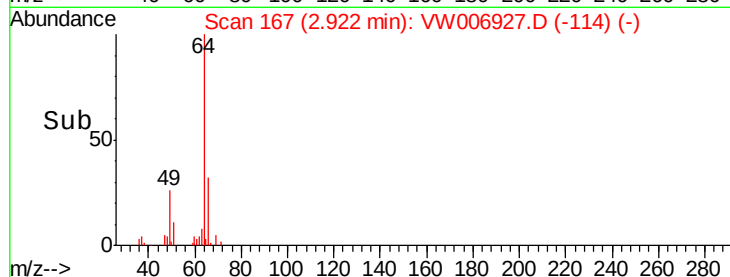
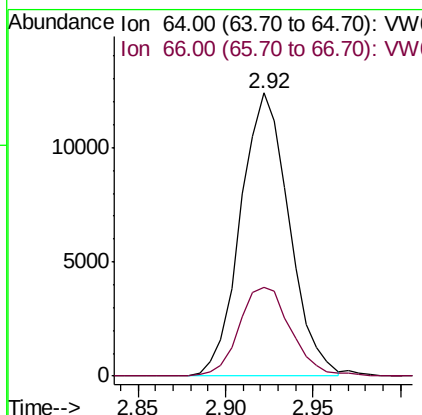
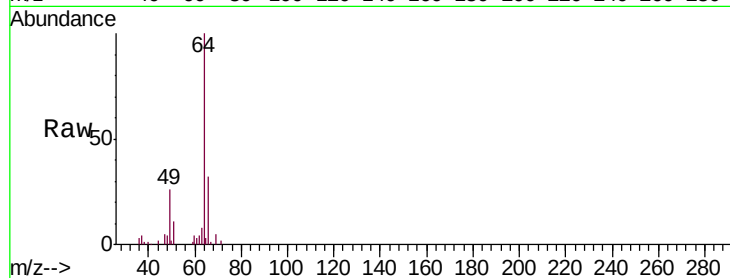
VSTD02593

Tgt Ion: 64 Resp: 23937

Ion Ratio Lower Upper

64 100

66 31.6 20.8 38.6



#9

Trichlorofluoromethane

Concen: 23.621 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW006927.D

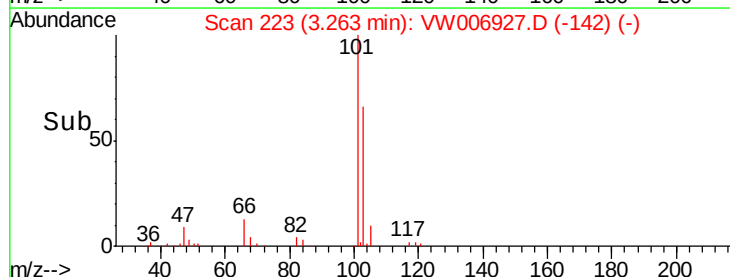
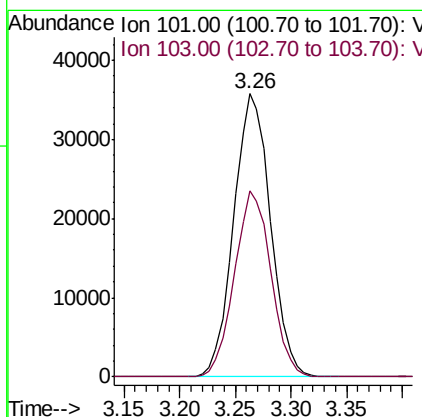
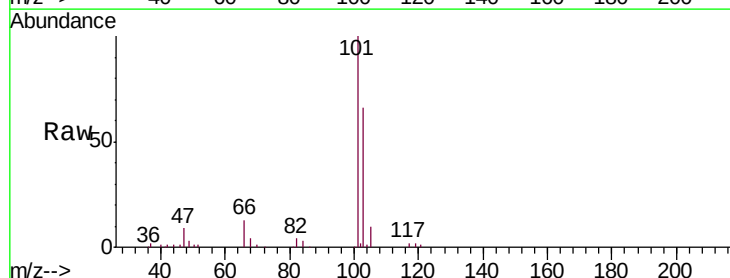
Acq: 16 Nov 2018 19:55

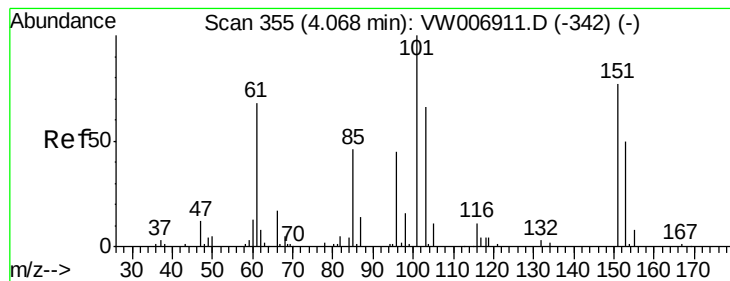
Tgt Ion: 101 Resp: 81937

Ion Ratio Lower Upper

101 100

103 65.4 46.1 85.5





#11

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

Concen: 22.543 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampled :

VSTD02593

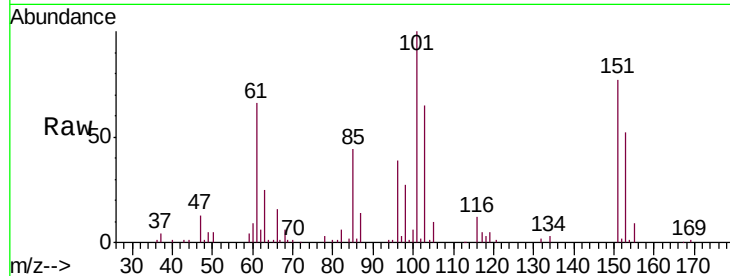
Tgt Ion: 101 Resp: 52306

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.8

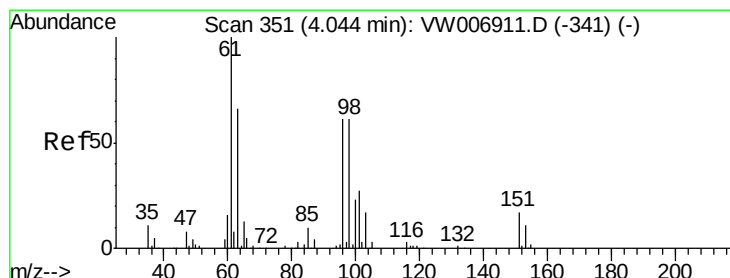
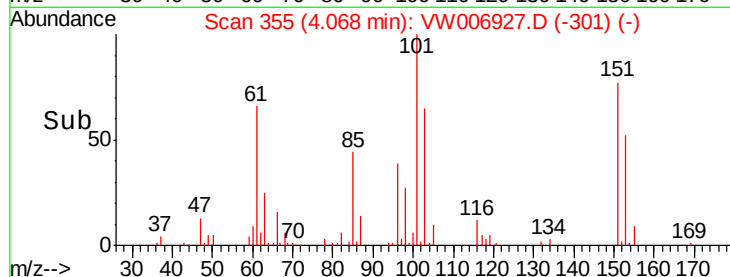
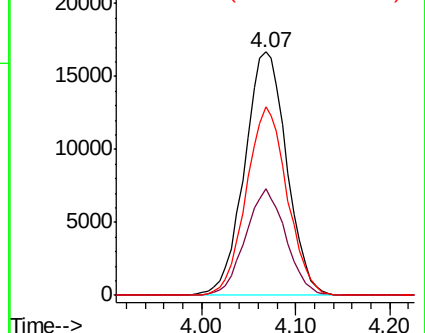
151 75.2 57.5 86.3



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: 22.164 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW006927.D

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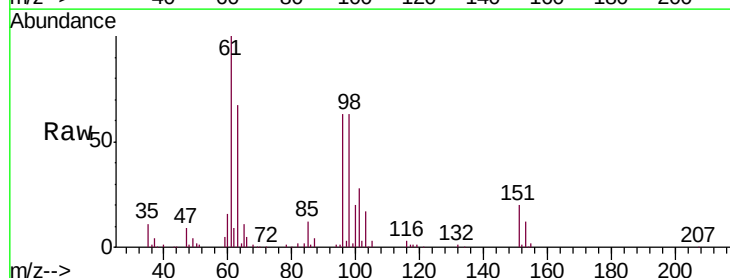
Tgt Ion: 96 Resp: 44630

Ion Ratio Lower Upper

96 100

61 158.8 116.3 215.9

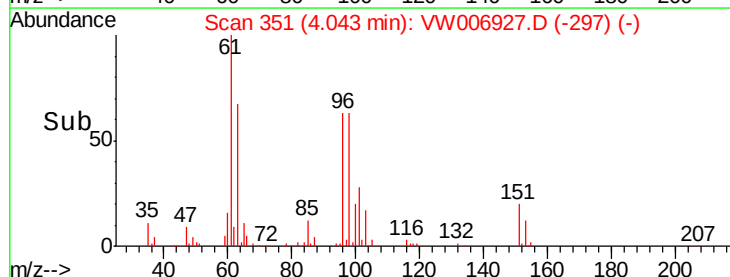
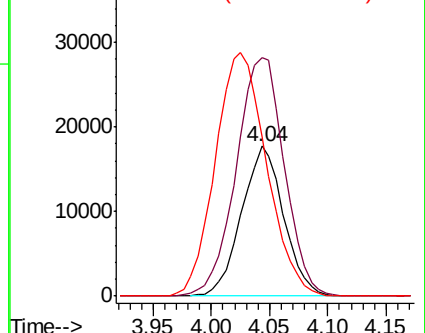
63 106.3 73.4 136.4

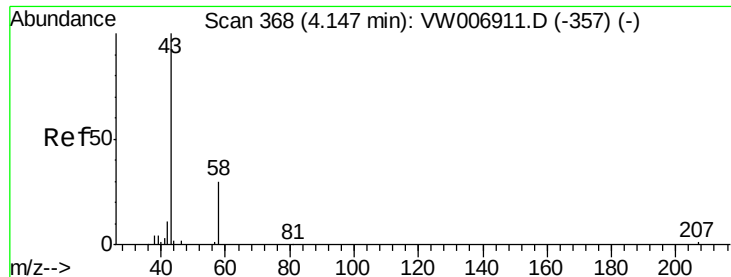


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.907 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

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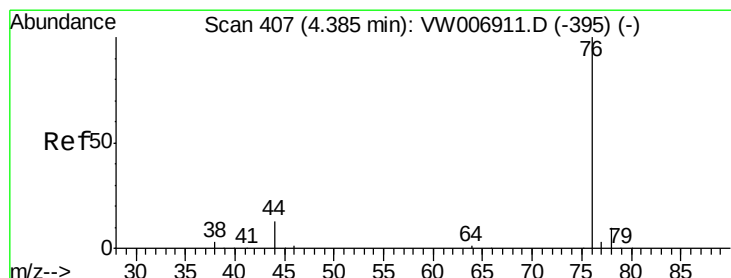
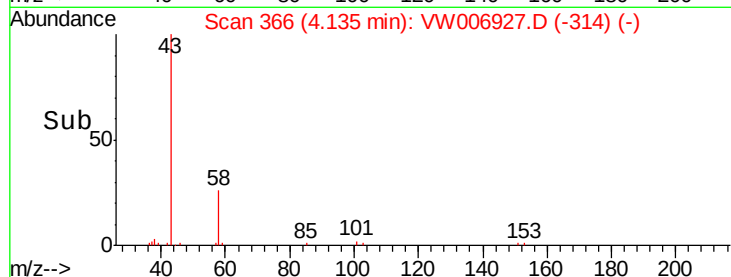
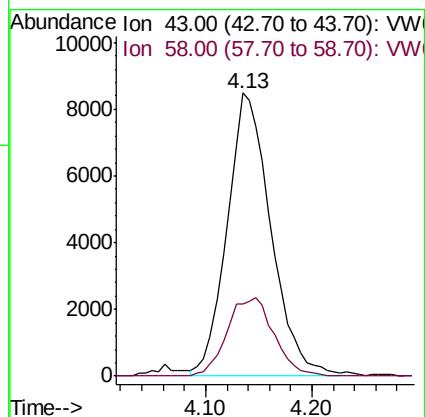
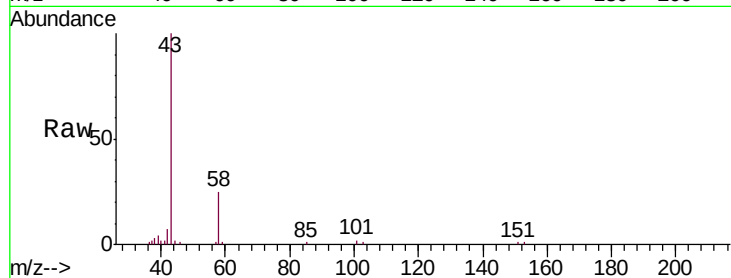
VSTD02593

Tgt Ion: 43 Resp: 24394

Ion Ratio Lower Upper

43 100

58 12.2 0.0 65.6



#14

Carbon disulfide

Concen: 21.427 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006927.D

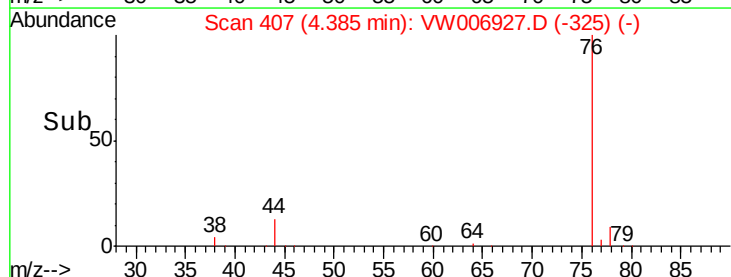
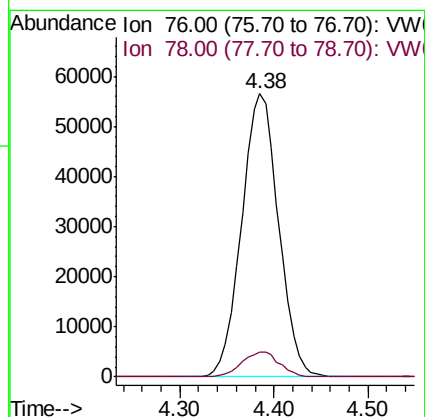
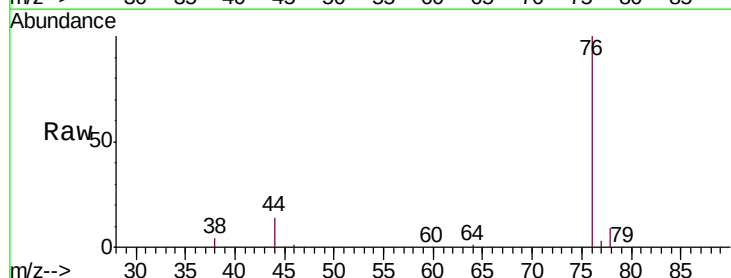
Acq: 16 Nov 2018 19:55

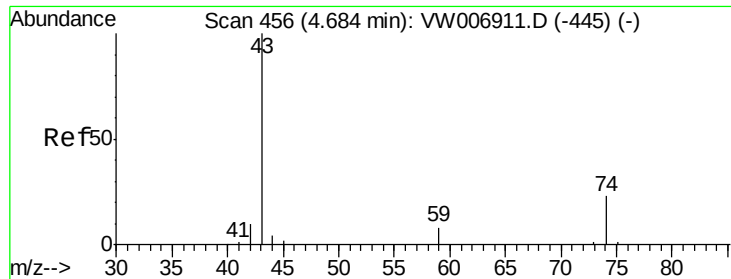
Tgt Ion: 76 Resp: 155323

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

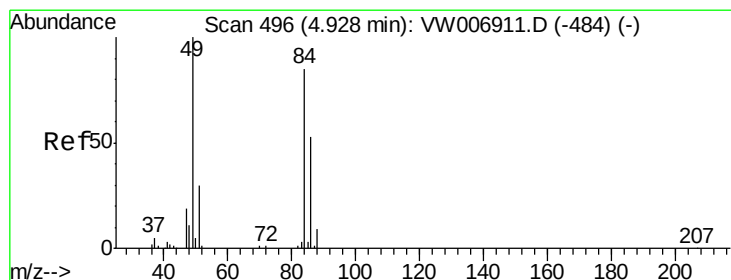
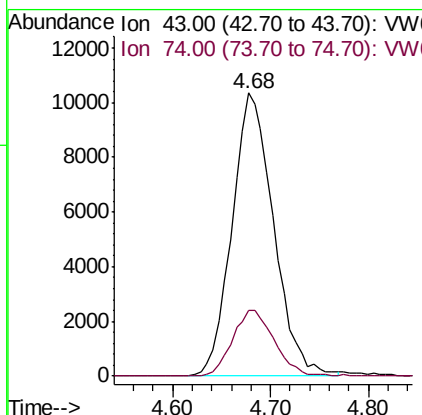
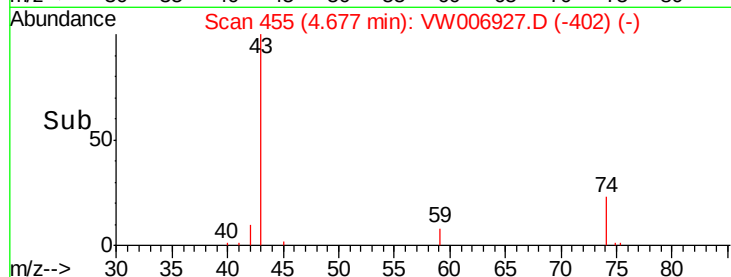
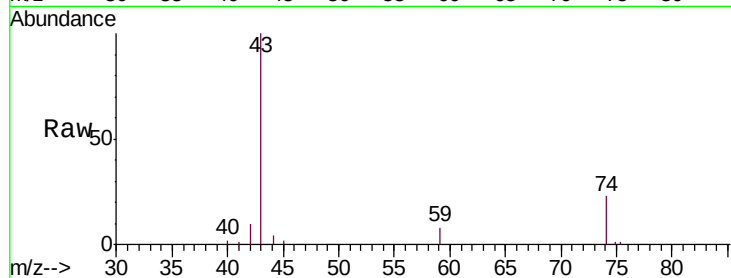




#15
Methyl Acetate
Concen: 22.591 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

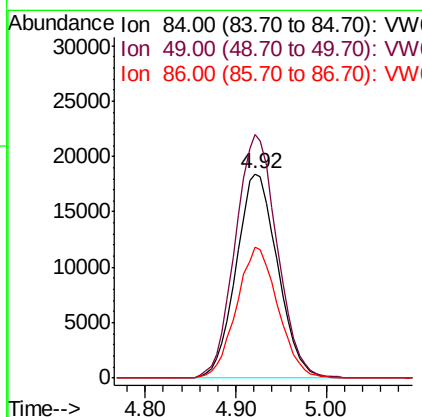
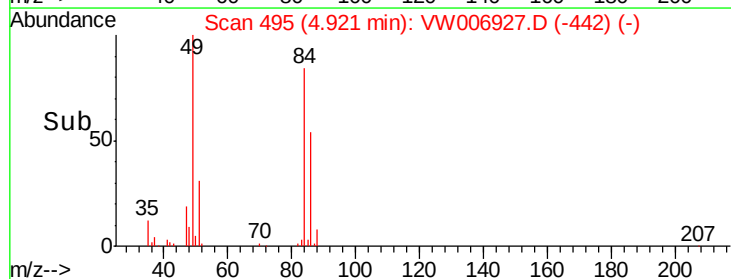
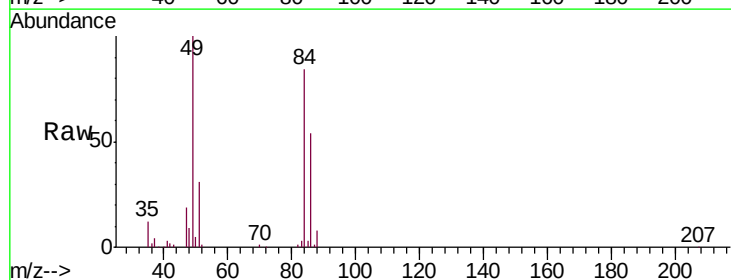
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

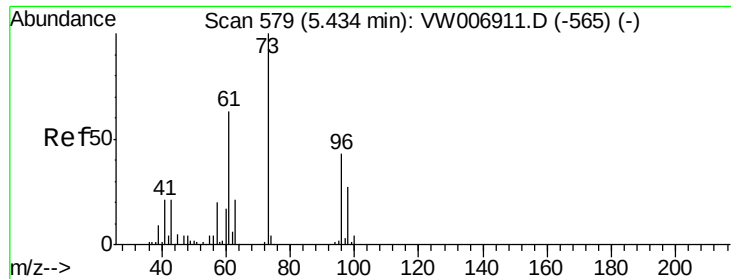
Tgt Ion: 43 Resp: 30562
Ion Ratio Lower Upper
43 100
74 23.3 18.8 28.2



#16
Methylene chloride
Concen: 18.978 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion: 84 Resp: 58492
Ion Ratio Lower Upper
84 100
49 119.3 79.3 147.3
86 64.3 43.5 80.9

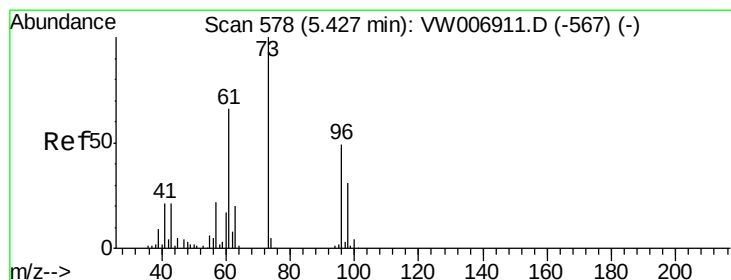
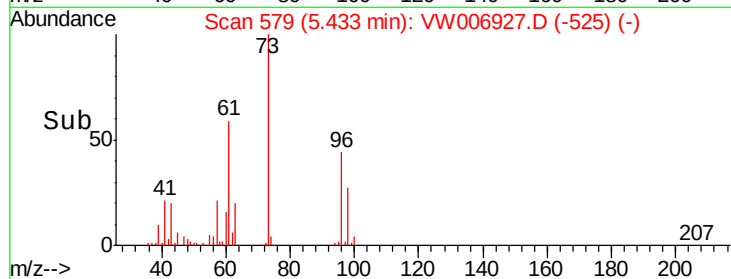
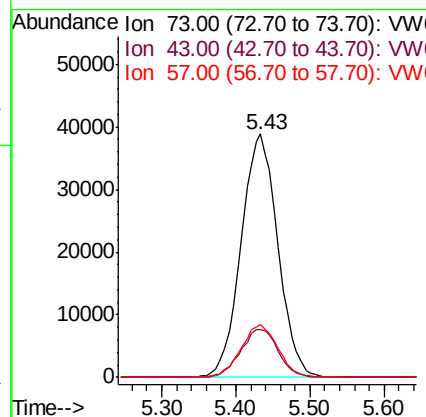
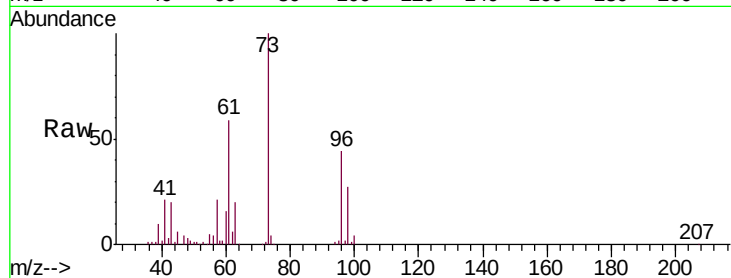




#17
Methyl tert-butyl Ether
Concen: 24.754 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

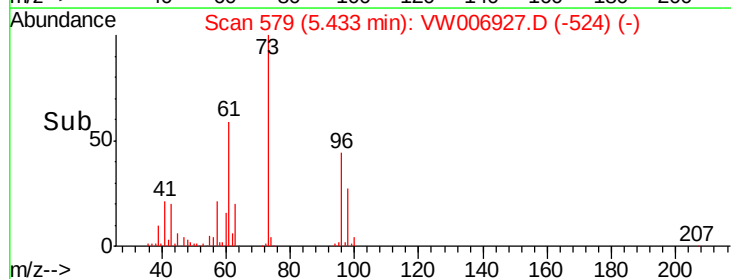
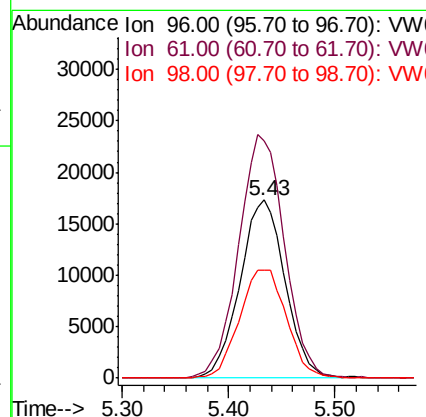
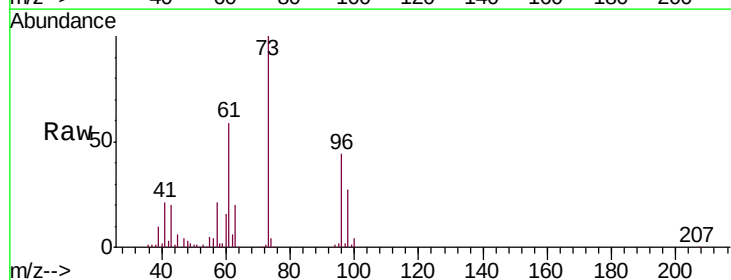
Instrument :
MSVOA_W
ClientSampled :
VSTD02593

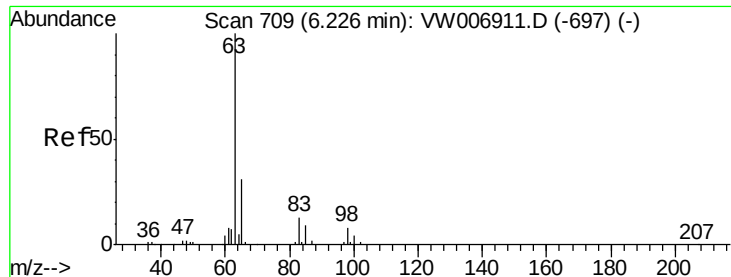
Tgt Ion: 73 Resp: 134219
Ion Ratio Lower Upper
73 100
43 20.3 15.6 23.4
57 21.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 22.365 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion: 96 Resp: 51415
Ion Ratio Lower Upper
96 100
61 133.4 99.6 185.0
98 60.5 44.7 82.9

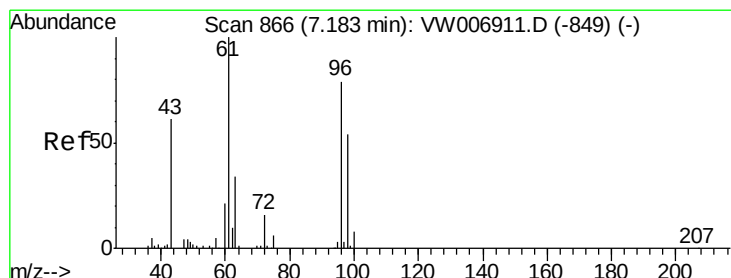
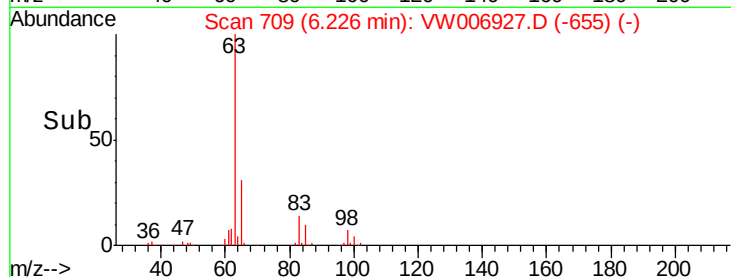
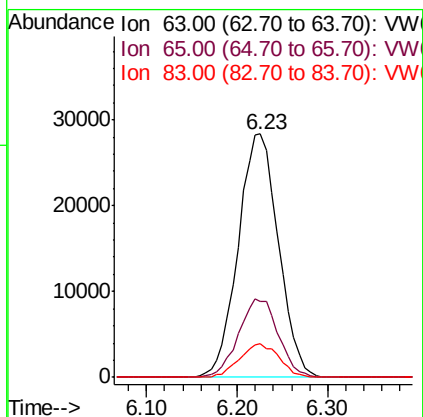
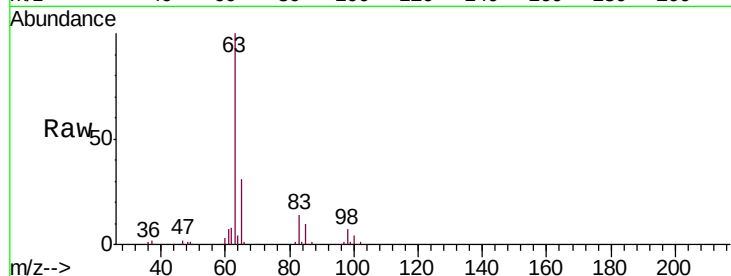




#19
 1,1-Dichloroethane
 Concen: 23.207 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

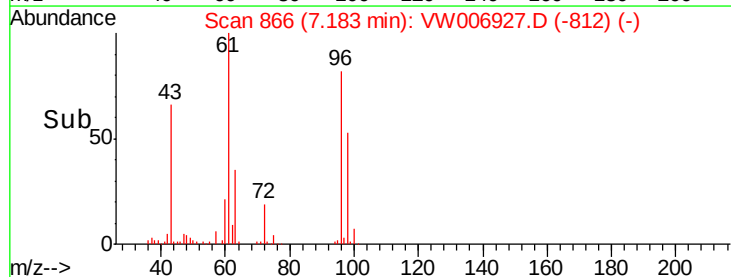
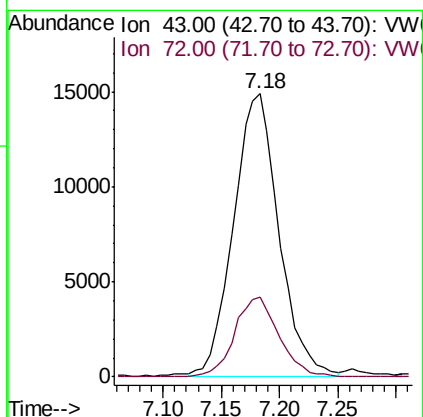
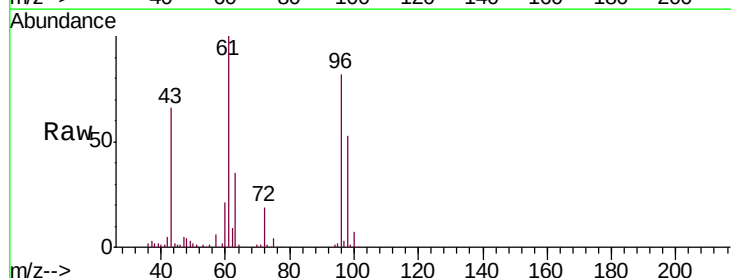
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

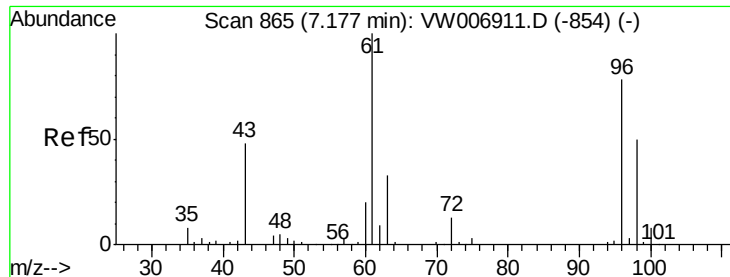
Tgt Ion: 63 Resp: 87088
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.0 41.0
 83 13.8 9.5 17.7



#21
 2-Butanone
 Concen: 42.297 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

Tgt Ion: 43 Resp: 40546
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.5 40.5



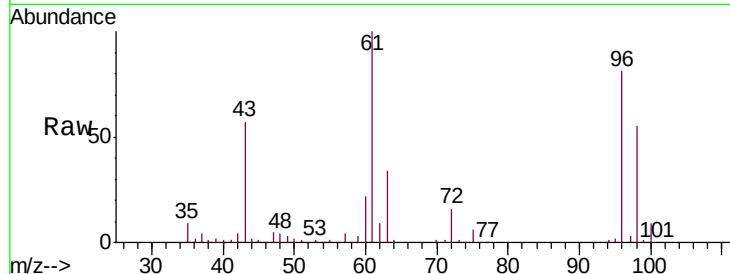


#22

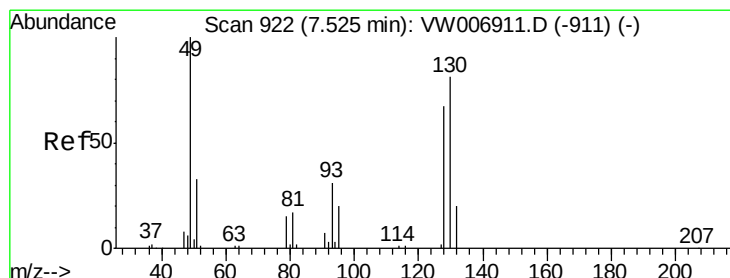
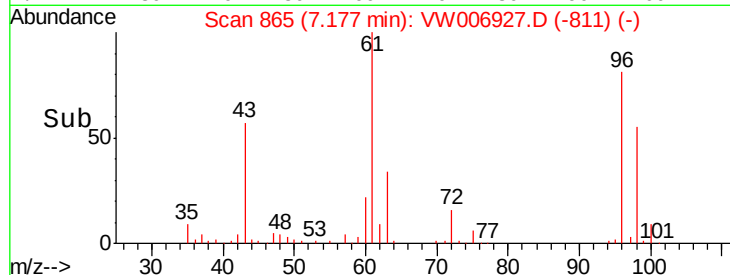
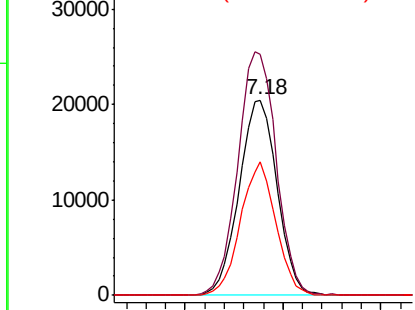
cis-1,2-Dichloroethene
 Concen: 23.532 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion: 96 Resp: 55240
 Ion Ratio Lower Upper
 96 100
 61 123.9 88.1 163.7
 98 68.2 43.1 80.1



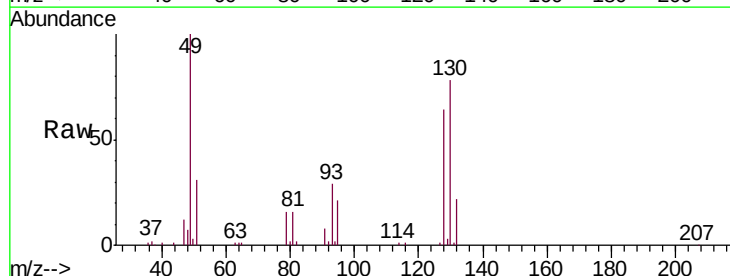
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



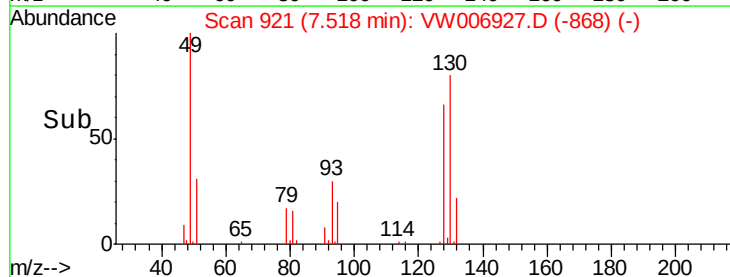
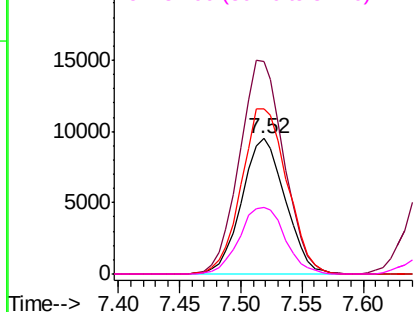
#23

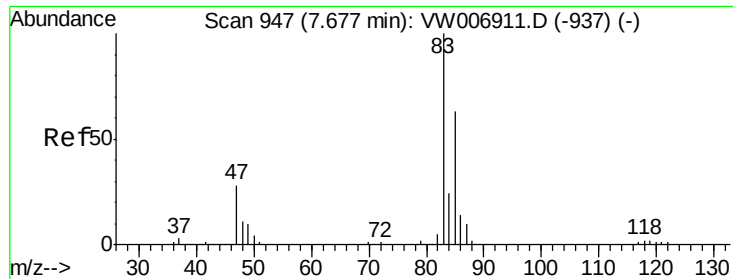
Bromochloromethane
 Concen: 24.624 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

Tgt Ion: 128 Resp: 23561
 Ion Ratio Lower Upper
 128 100
 49 156.8 114.0 211.8
 130 122.4 89.7 166.7
 51 49.2 42.3 63.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

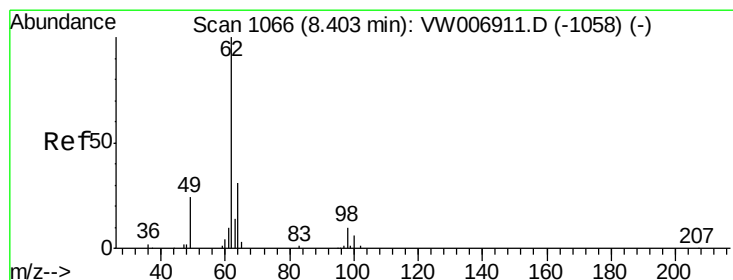
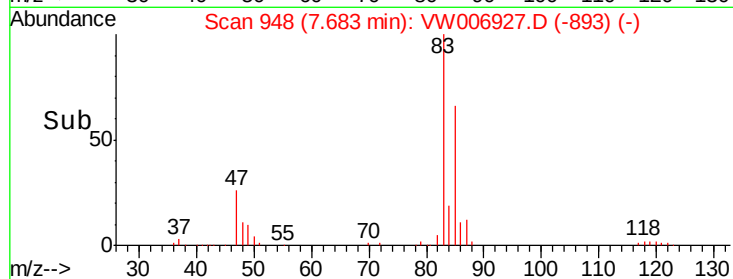
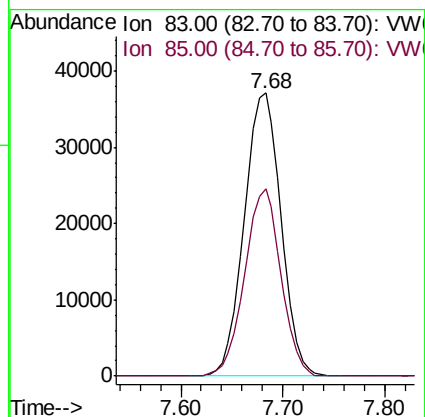
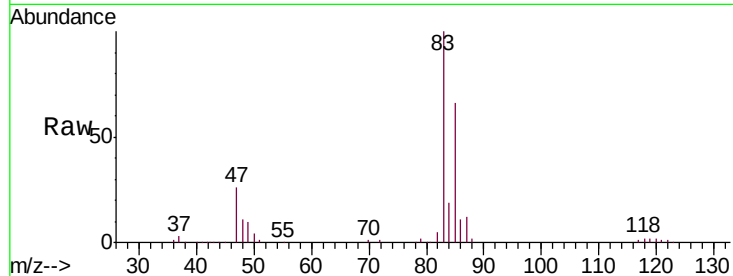




#25
Chloroform
Concen: 21.440 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

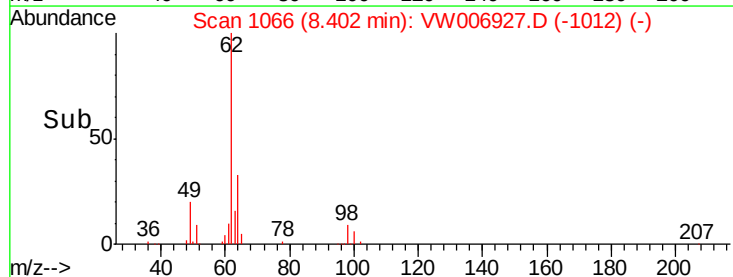
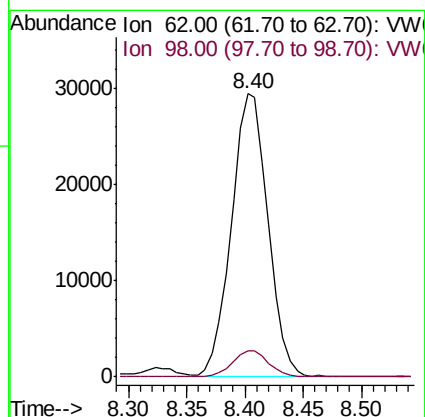
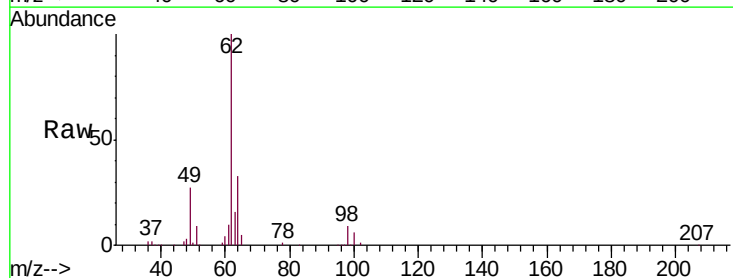
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

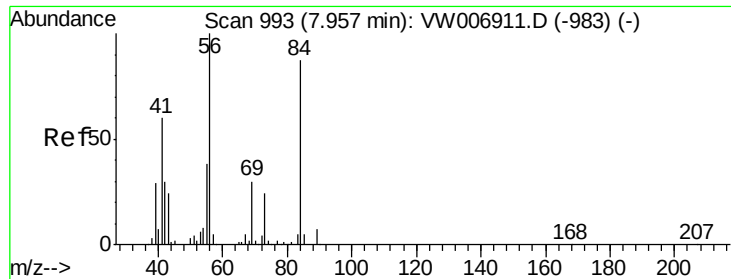
Tgt Ion: 83 Resp: 93029
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.209 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion: 62 Resp: 64321
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.4

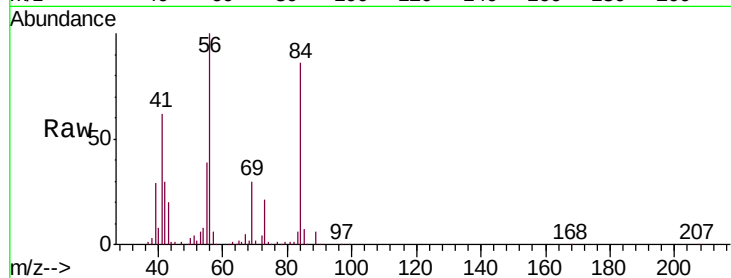




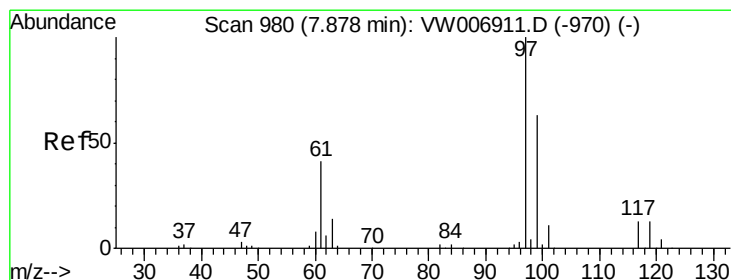
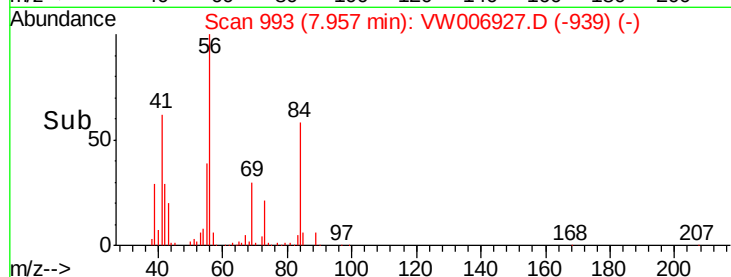
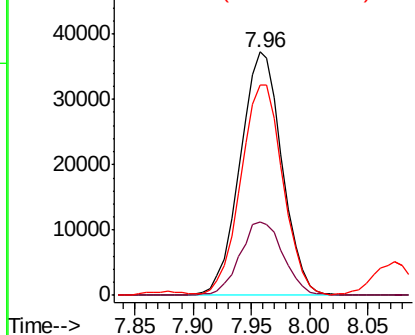
#30
Cyclohexane
Concen: 20.886 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

Tgt Ion: 56 Resp: 93308
Ion Ratio Lower Upper
56 100
69 31.0 25.1 37.7
84 87.1 68.7 103.1

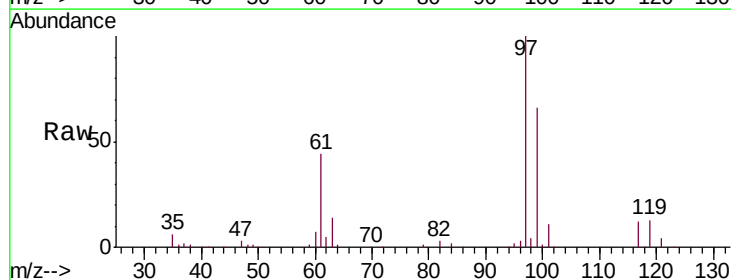


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

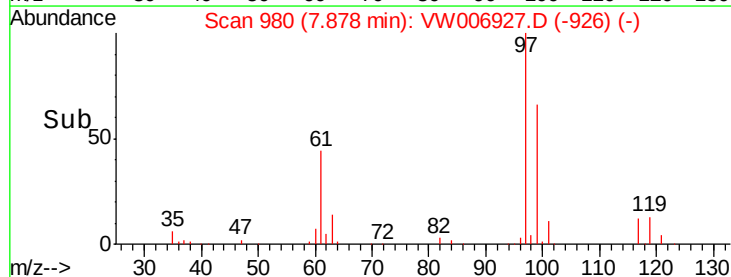
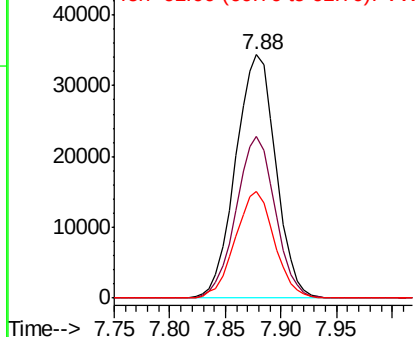


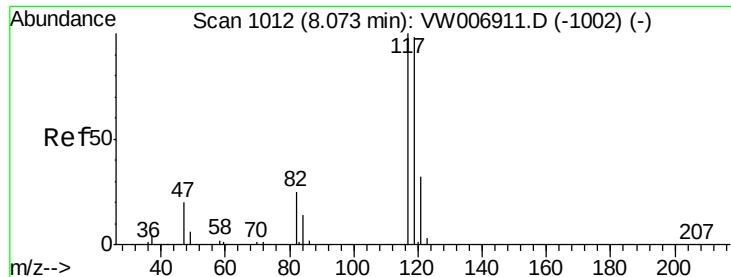
#31
1,1,1-Trichloroethane
Concen: 22.958 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion: 97 Resp: 86092
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 42.7 34.5 51.7



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: 23.203 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampled :

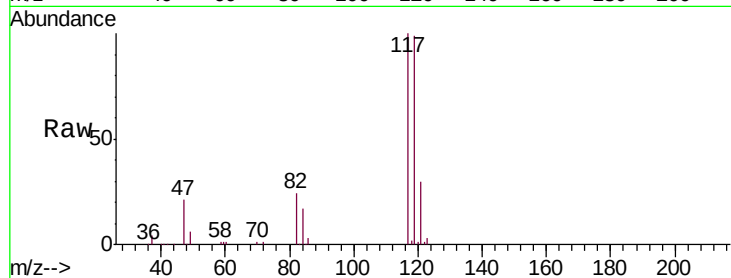
VSTD02593

Tgt Ion:117 Resp: 76475

Ion Ratio Lower Upper

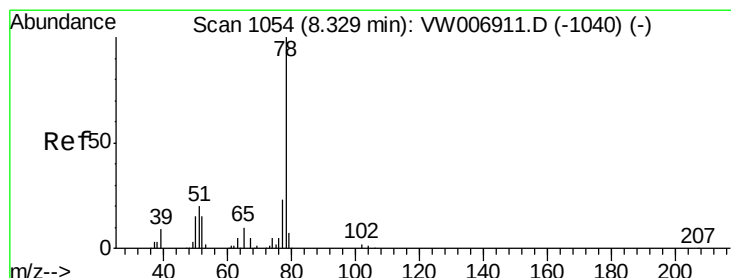
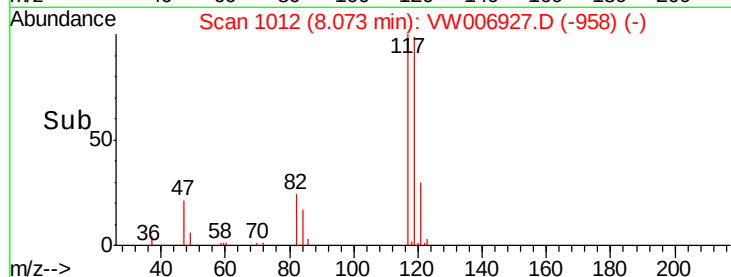
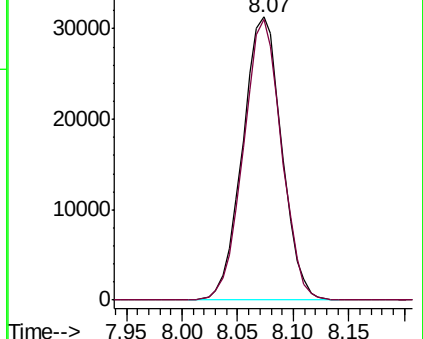
117 100

119 96.3 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.269 ug/L

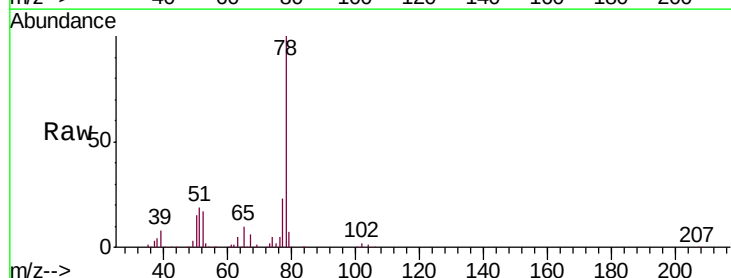
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

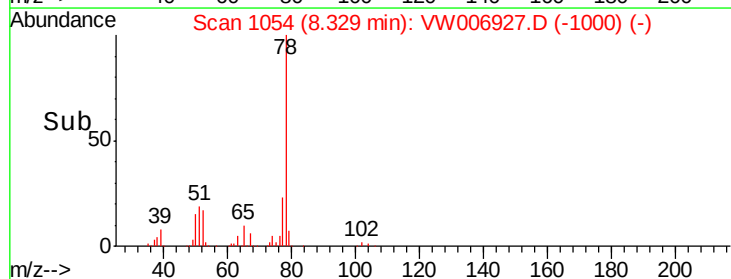
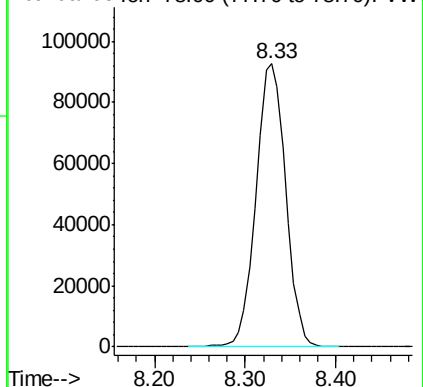
Lab File: VW006927.D

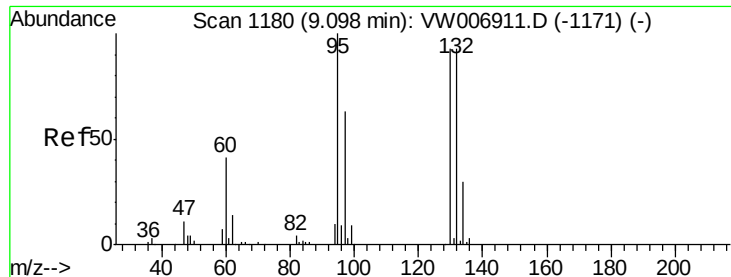
Acq: 16 Nov 2018 19:55

Tgt Ion: 78 Resp: 209856



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.552 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

Tgt Ion: 95 Resp: 57884

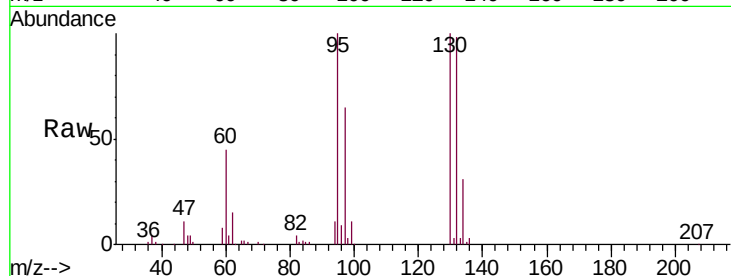
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.9

132 94.7 65.7 121.9

130 99.3 68.7 127.7

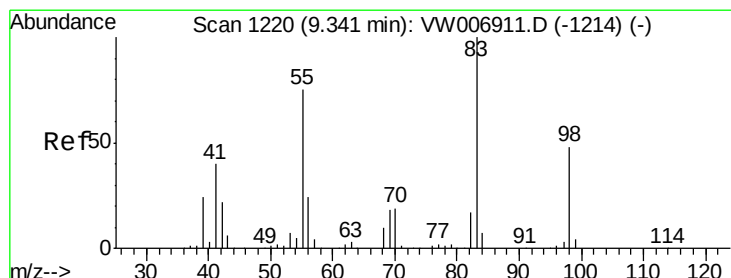
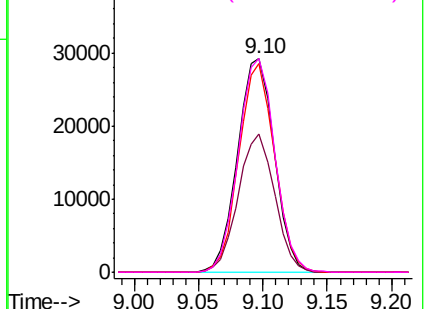
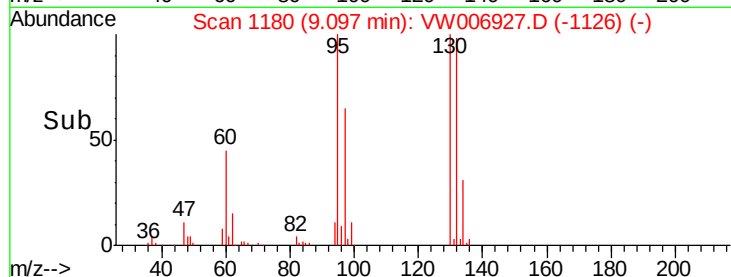


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 21.293 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

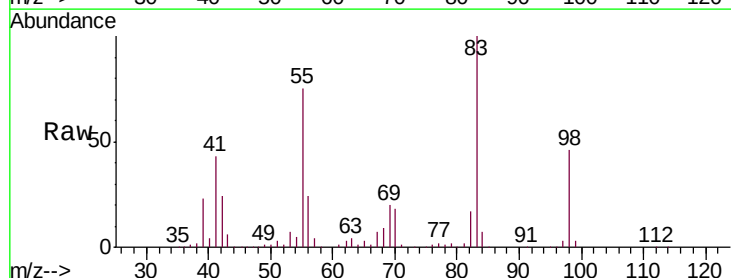
Tgt Ion: 83 Resp: 105053

Ion Ratio Lower Upper

83 100

55 75.6 60.2 90.2

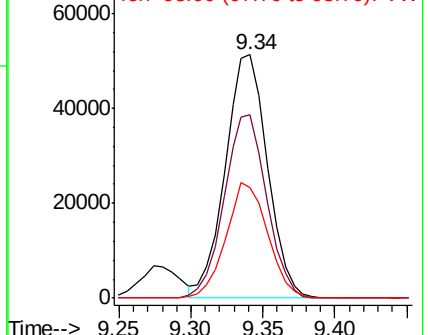
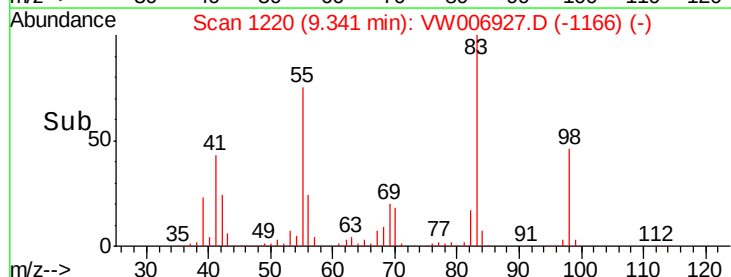
98 46.9 36.5 54.7

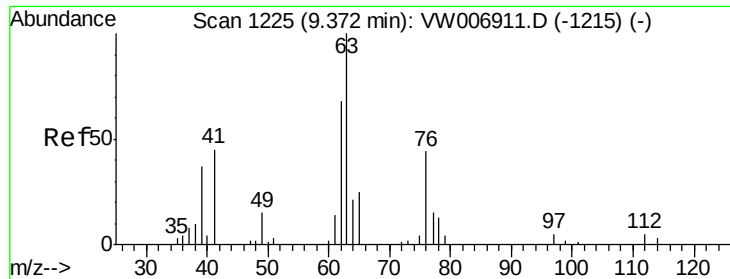


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

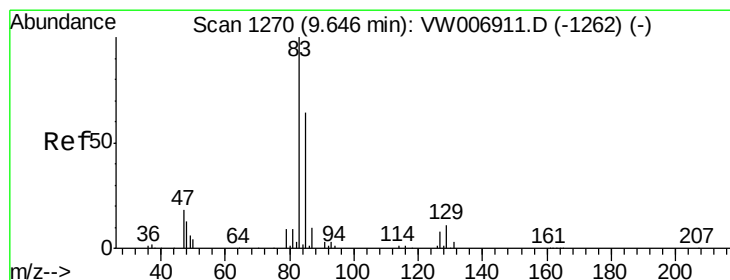
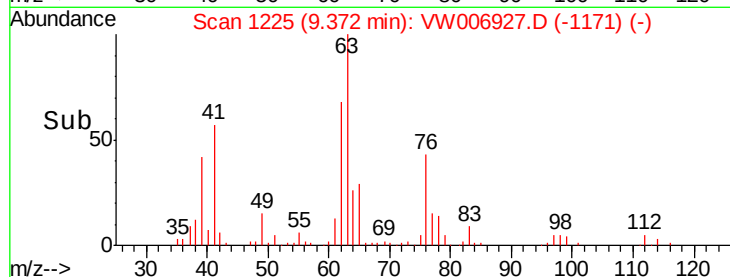
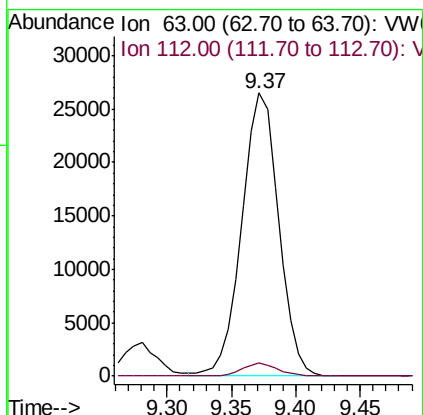
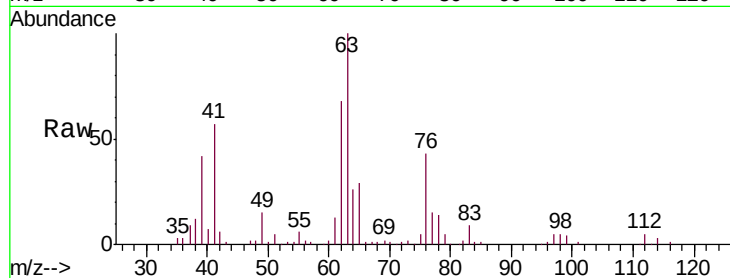




#40
 1,2-Dichloropropane
 Concen: 22.683 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

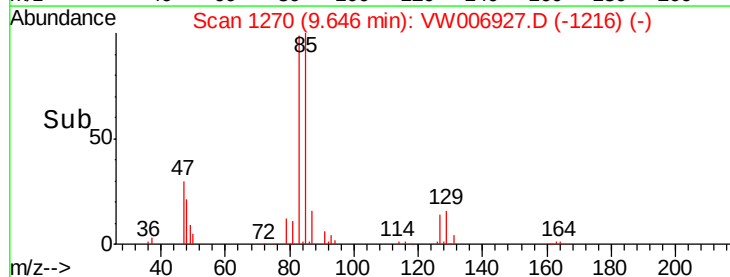
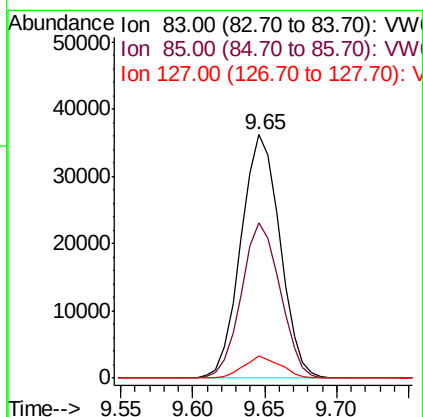
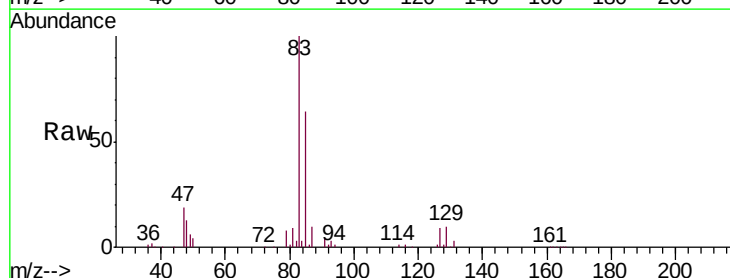
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

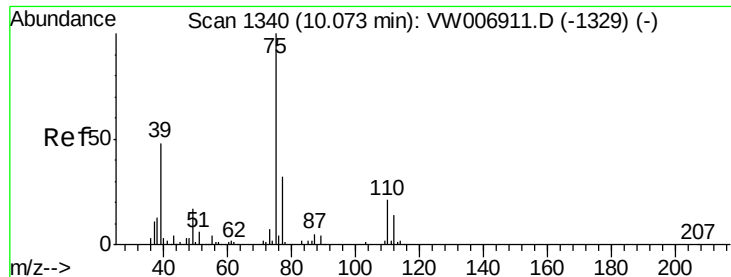
Tgt Ion: 63 Resp: 52661
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.1 4.7



#41
 Bromodichloromethane
 Concen: 23.941 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

Tgt Ion: 83 Resp: 68190
 Ion Ratio Lower Upper
 83 100
 85 63.8 42.4 78.6
 127 8.9 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 23.775 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

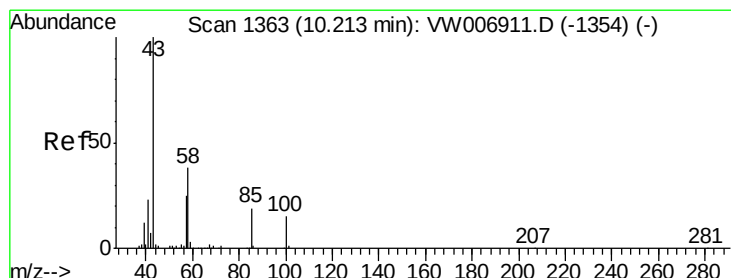
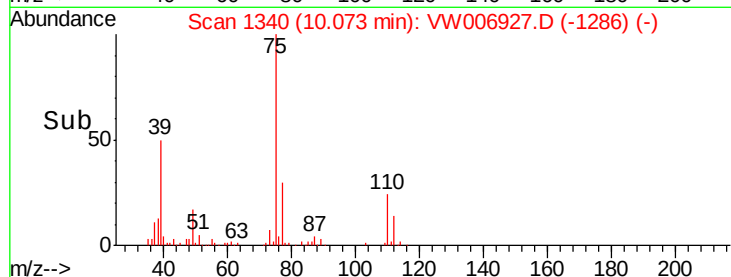
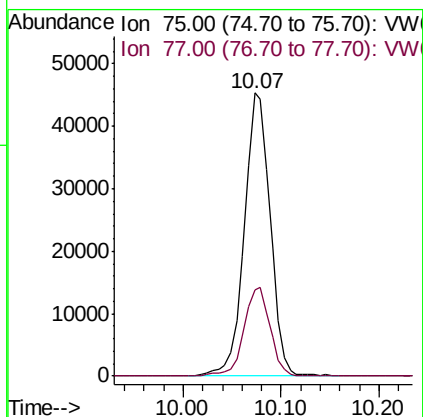
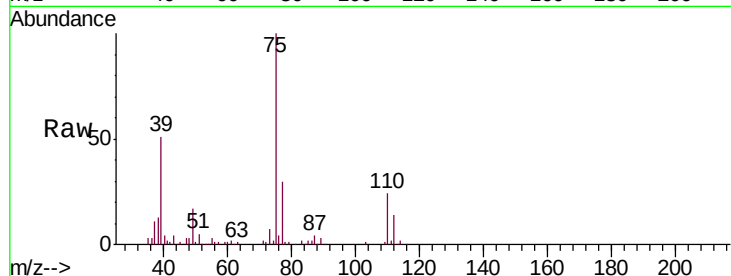
VSTD02593

Tgt Ion: 75 Resp: 83337

Ion Ratio Lower Upper

75 100

77 30.3 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 46.263 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

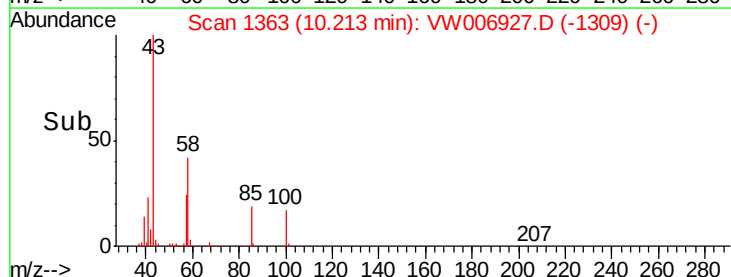
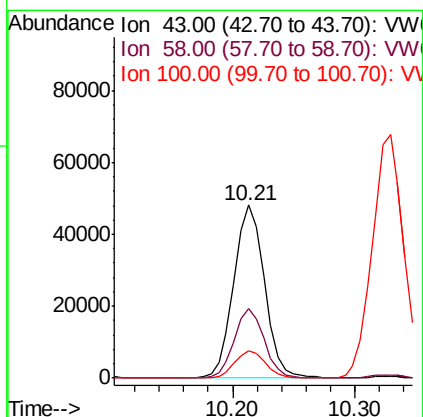
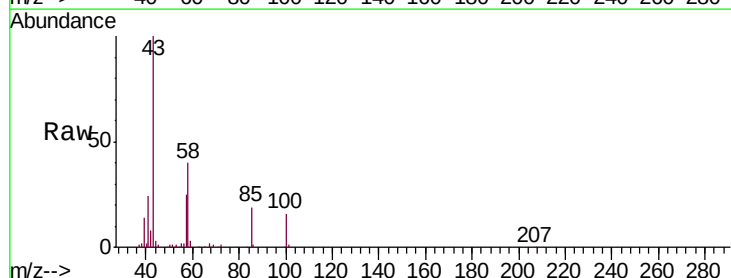
Tgt Ion: 43 Resp: 84161

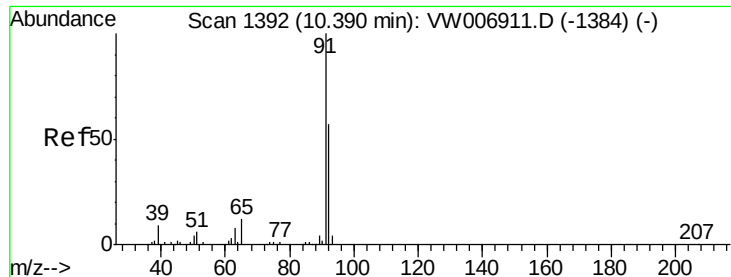
Ion Ratio Lower Upper

43 100

58 39.0 31.6 47.4

100 15.6 12.3 18.5





#44

Toluene

Concen: 23.349 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

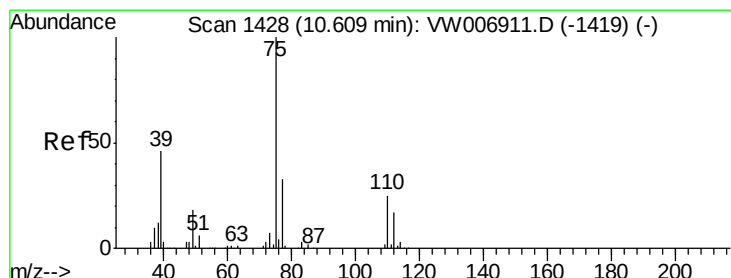
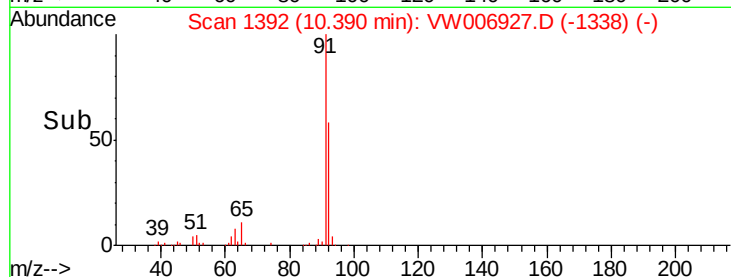
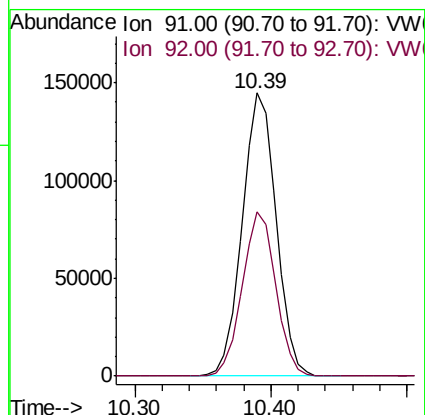
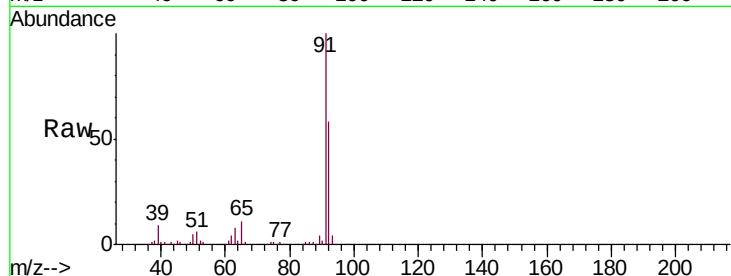
VSTD02593

Tgt Ion: 91 Resp: 251929

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 24.292 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006927.D

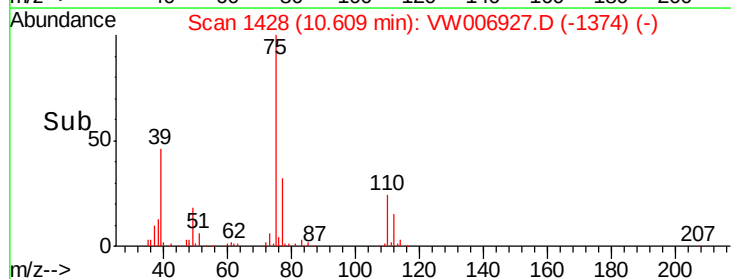
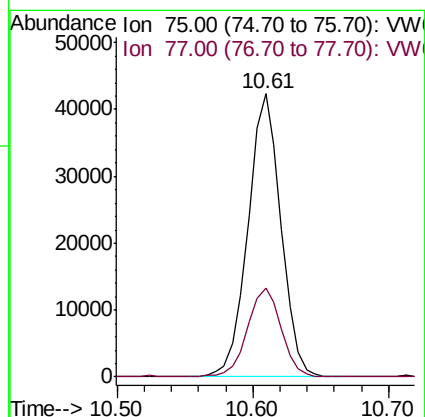
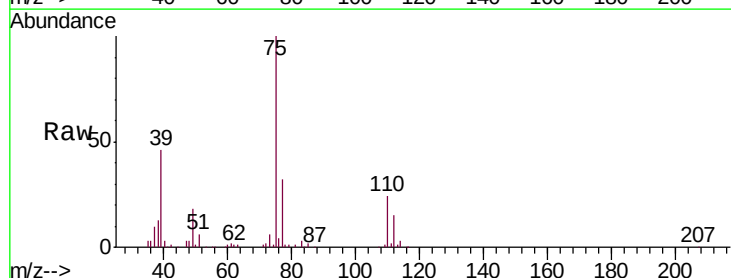
Acq: 16 Nov 2018 19:55

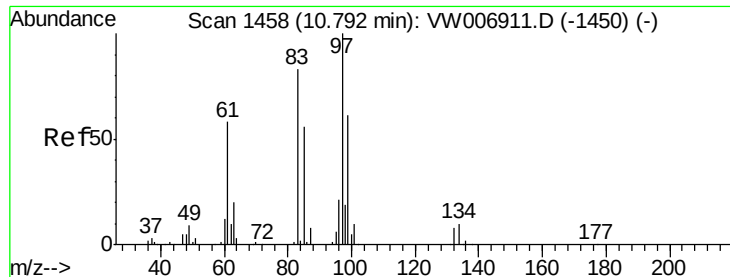
Tgt Ion: 75 Resp: 71959

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 23.263 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

Tgt Ion: 97 Resp: 41351

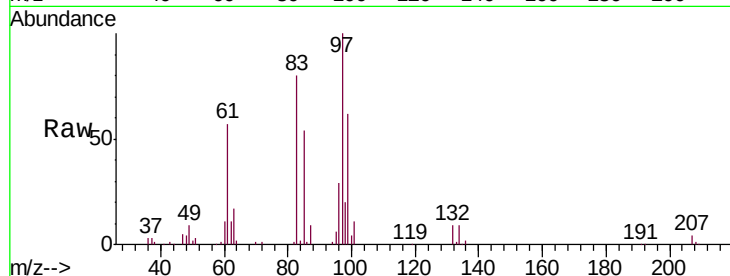
Ion Ratio Lower Upper

97 100

83 80.0 59.6 110.8

85 54.1 37.7 70.1

99 61.9 43.4 80.6

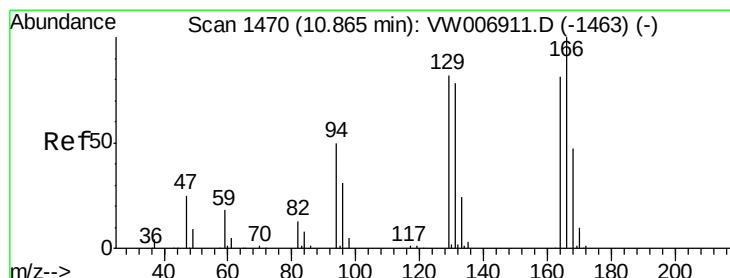
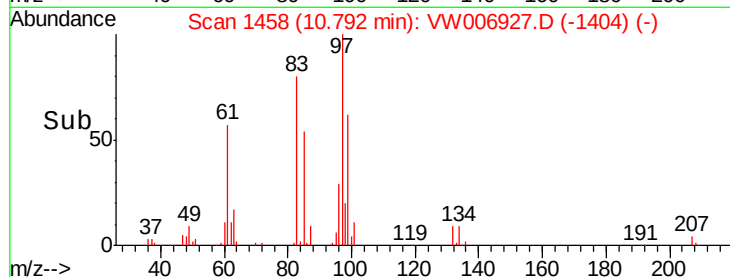
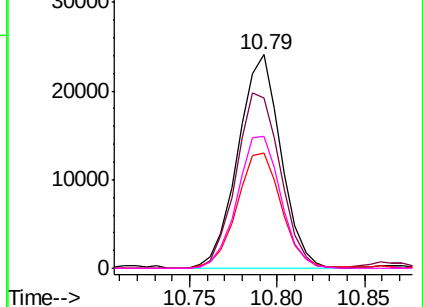


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.148 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Tgt Ion: 164 Resp: 45430

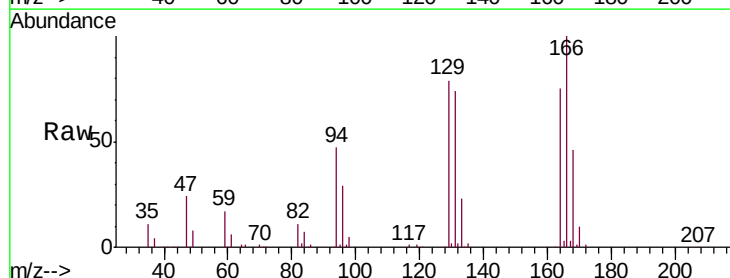
Ion Ratio Lower Upper

164 100

129 105.0 75.0 139.2

131 98.3 72.5 134.7

166 133.4 93.7 174.1

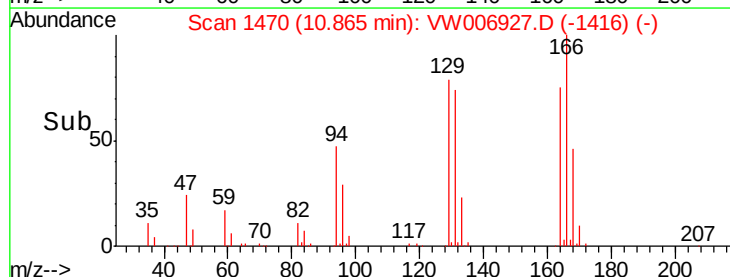
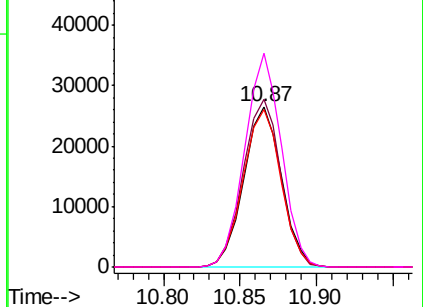


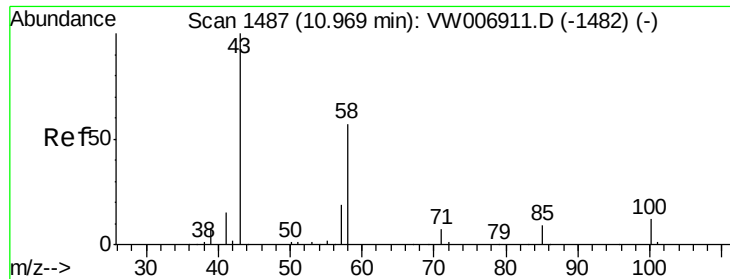
Abundance Ion 164.00 (163.70 to 164.70): V

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

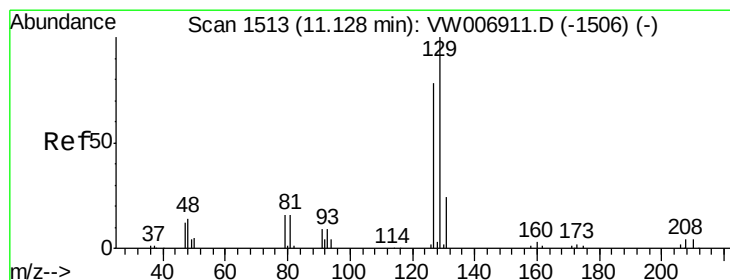
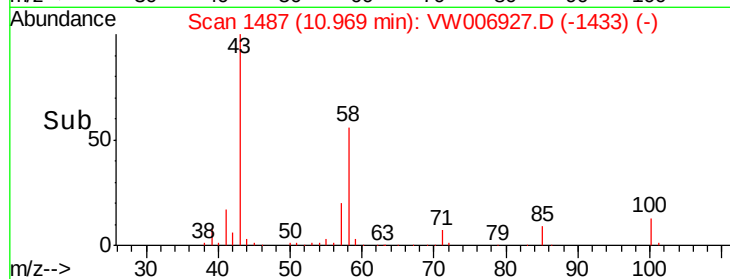
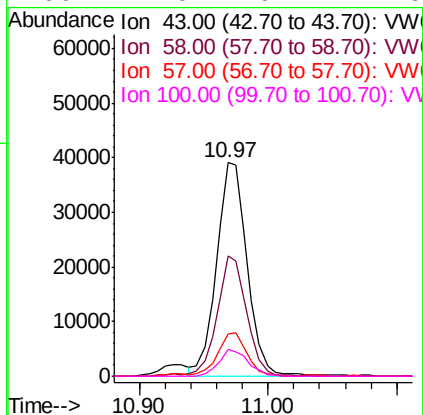
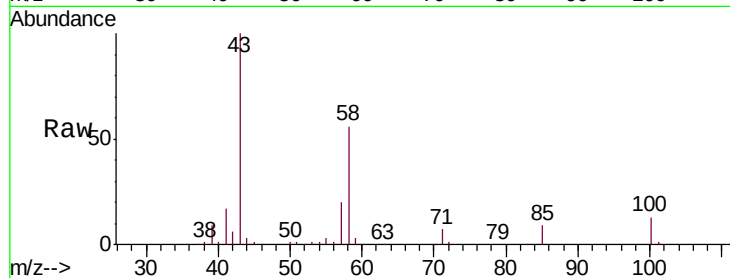




#49
2-Hexanone
Concen: 48.576 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

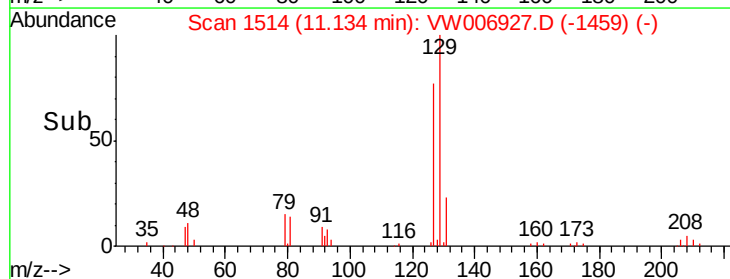
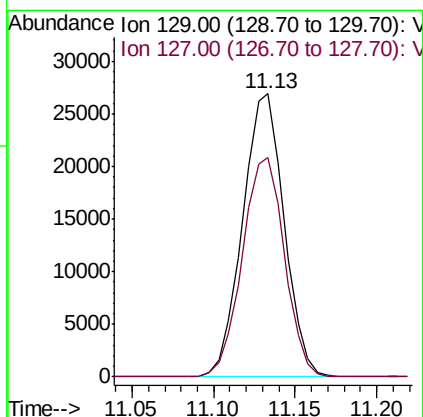
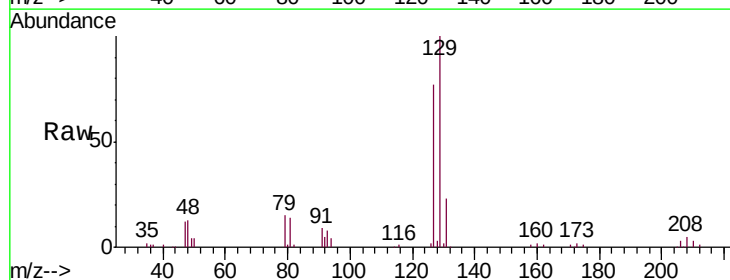
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

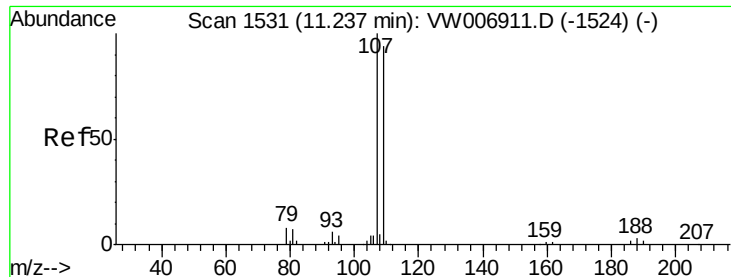
Tgt Ion: 43 Resp: 65427
Ion Ratio Lower Upper
43 100
58 53.9 44.6 67.0
57 19.6 16.0 24.0
100 12.0 9.7 14.5



#50
Dibromochloromethane
Concen: 24.907 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion: 129 Resp: 47775
Ion Ratio Lower Upper
129 100
127 77.4 55.7 103.5

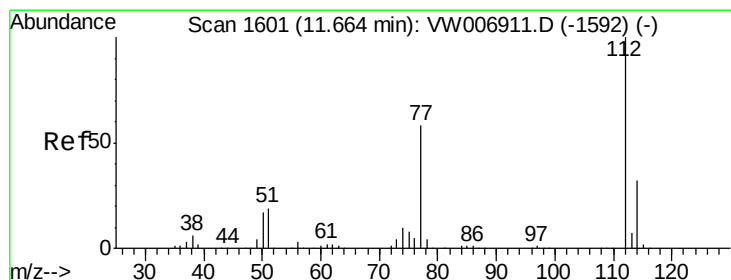
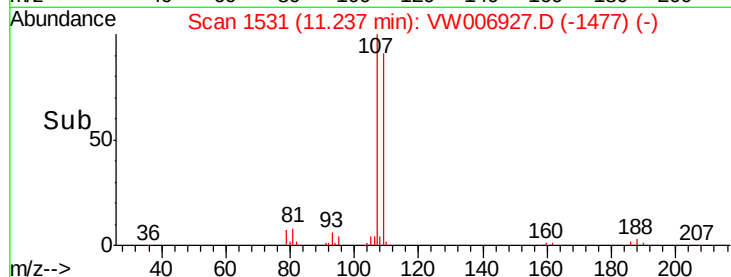
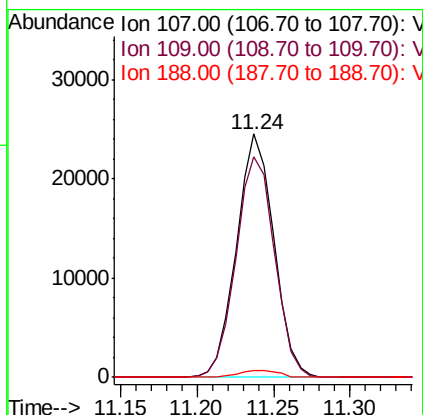
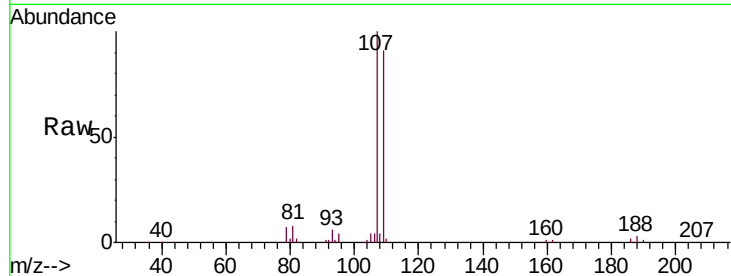




#51
1,2-Dibromoethane
Concen: 24.584 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

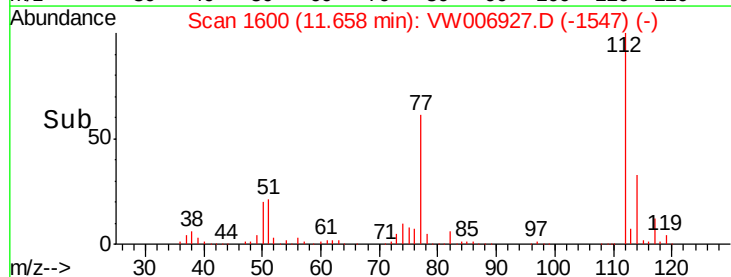
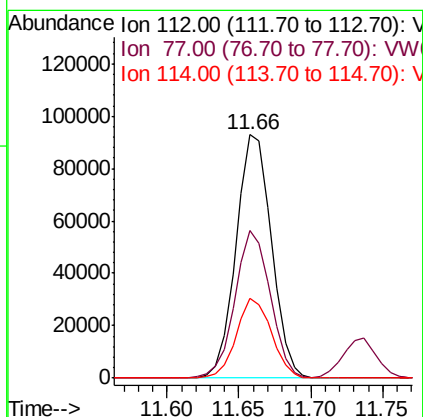
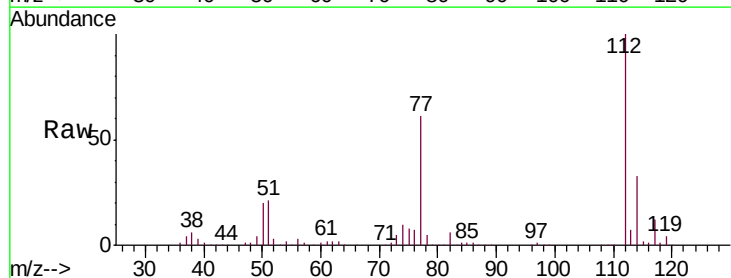
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

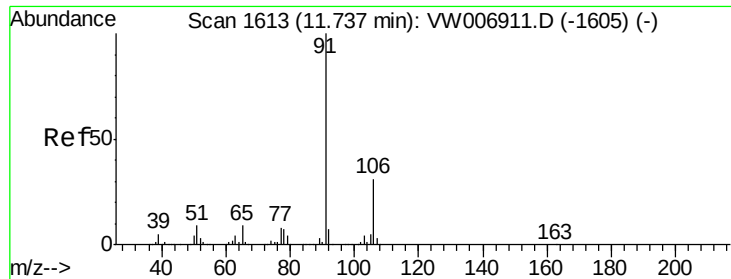
Tgt Ion:107 Resp: 41561
Ion Ratio Lower Upper
107 100
109 90.7 65.4 121.4
188 2.9 2.4 3.6



#52
Chlorobenzene
Concen: 23.444 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion:112 Resp: 159107
Ion Ratio Lower Upper
112 100
77 60.8 47.8 71.8
114 32.9 22.3 41.5





#53

Ethylbenzene

Concen: 22.503 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

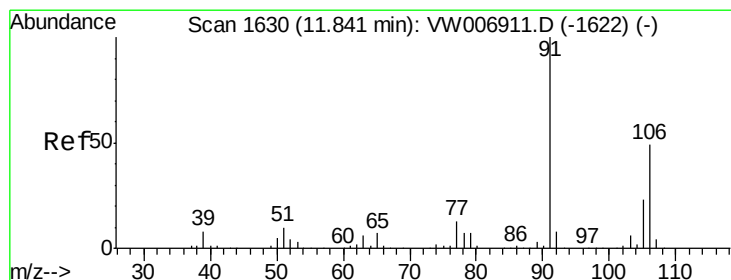
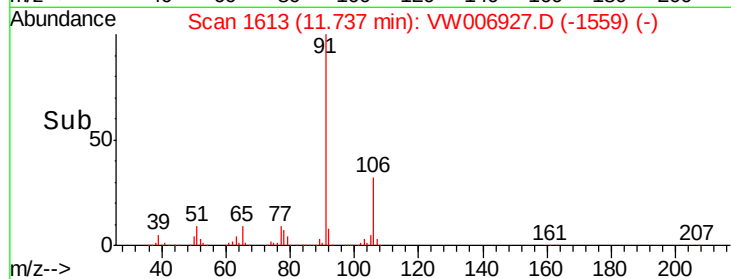
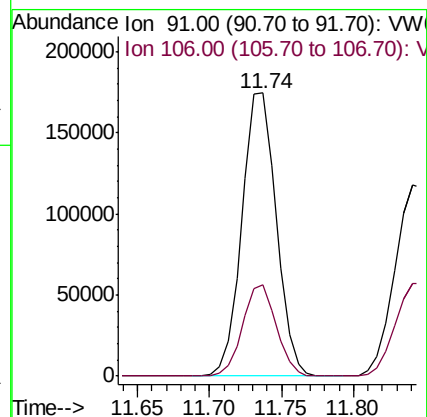
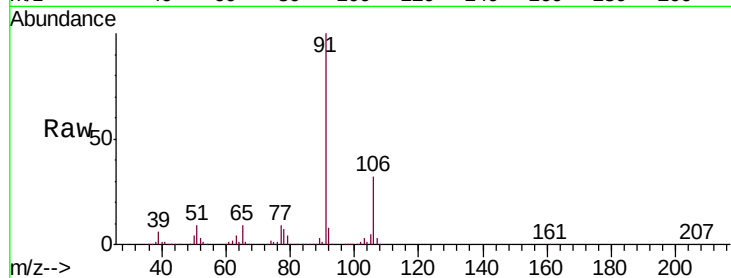
VSTD02593

Tgt Ion: 91 Resp: 288973

Ion Ratio Lower Upper

91 100

106 32.1 21.1 39.1



#54

m,p-Xylene

Concen: 22.838 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006927.D

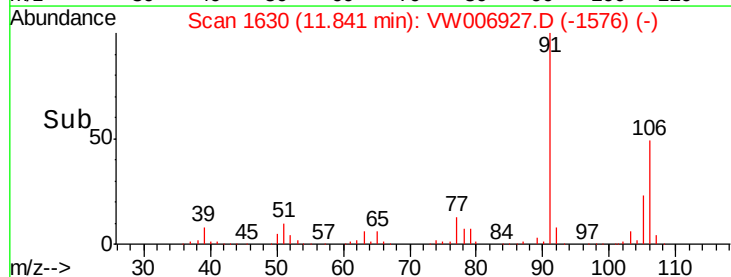
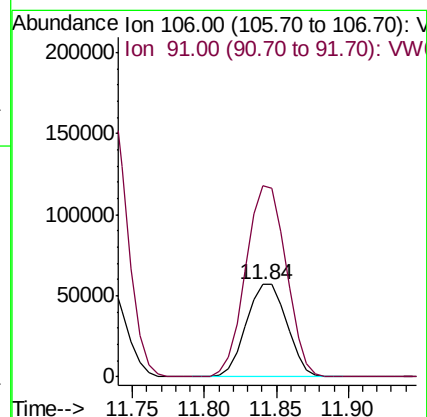
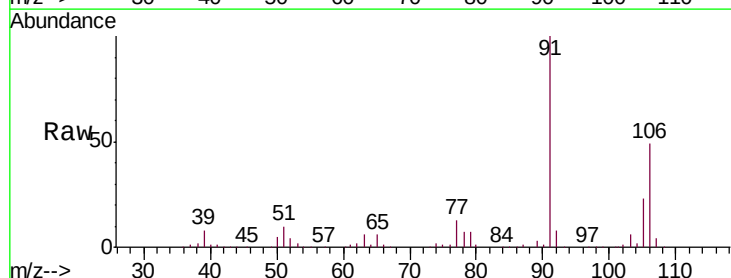
Acq: 16 Nov 2018 19:55

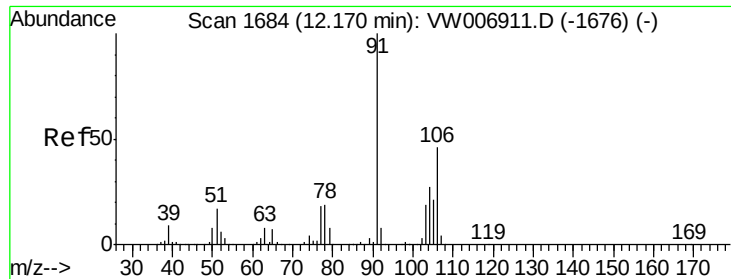
Tgt Ion: 106 Resp: 112170

Ion Ratio Lower Upper

106 100

91 206.1 141.5 262.9

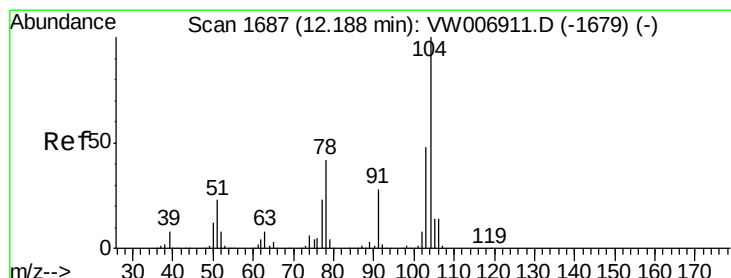
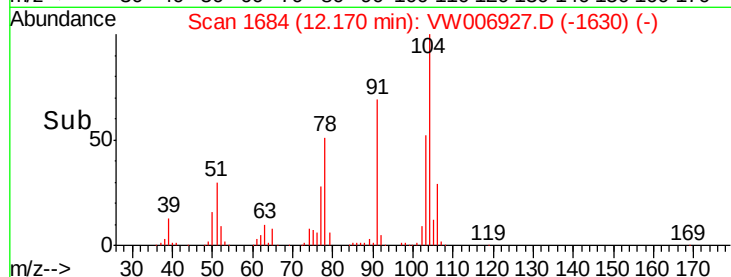
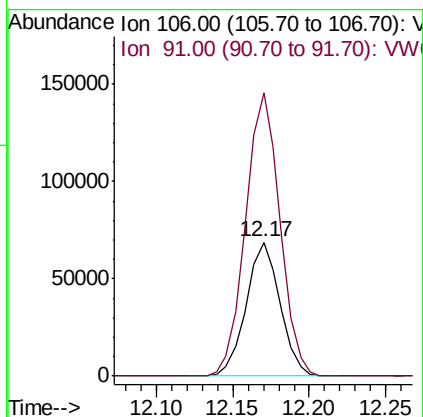
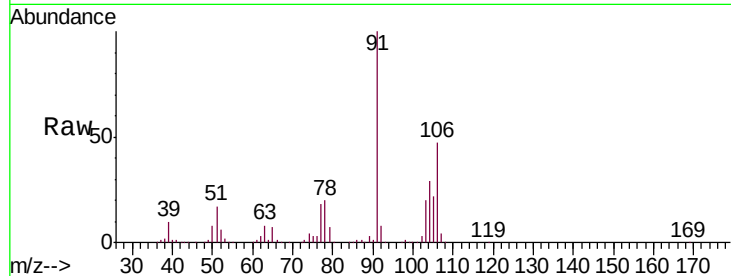




#55
o-xylene
Concen: 23.548 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

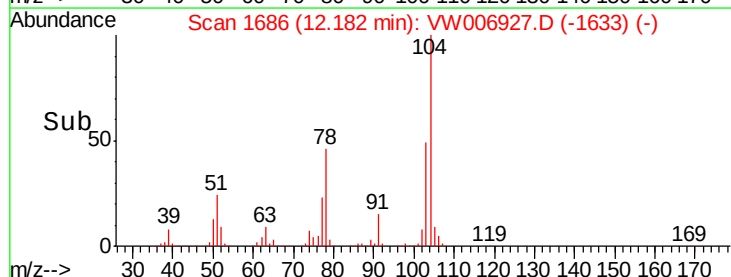
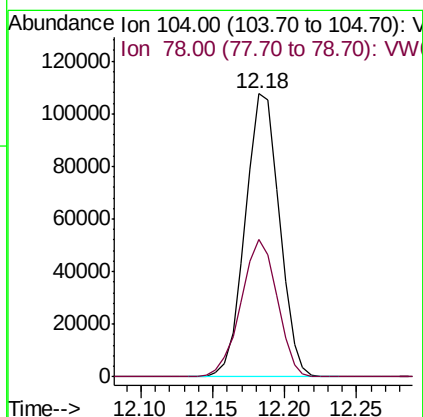
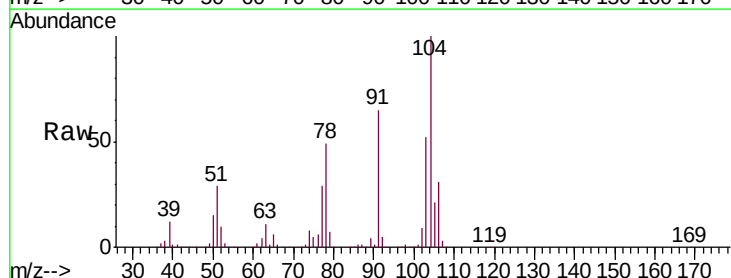
Instrument :
MSVOA_W
ClientSampled :
VSTD02593

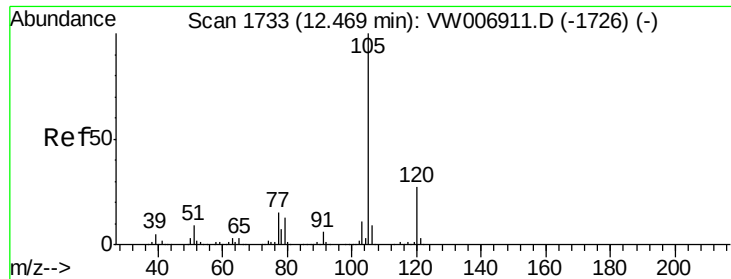
Tgt Ion:106 Resp: 105938
Ion Ratio Lower Upper
106 100
91 211.3 151.3 281.1



#56
Styrene
Concen: 23.708 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006927.D
Acq: 16 Nov 2018 19:55

Tgt Ion:104 Resp: 176804
Ion Ratio Lower Upper
104 100
78 48.5 32.8 60.8





#57

Isopropylbenzene

Concen: 22.787 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

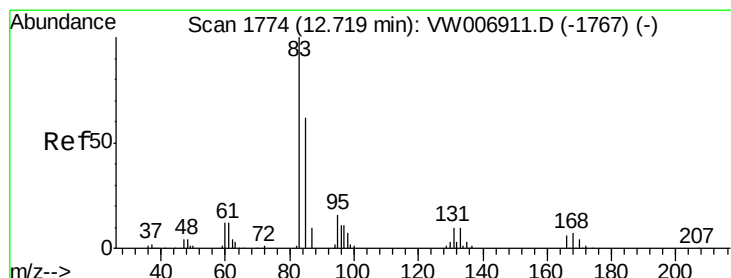
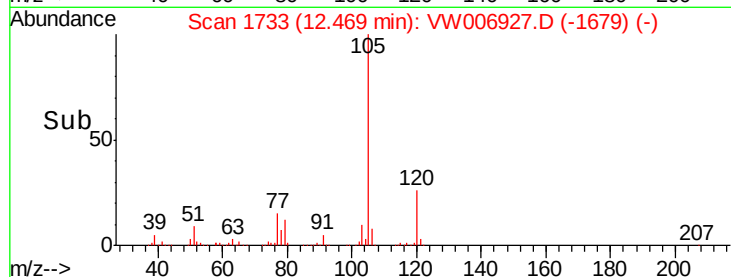
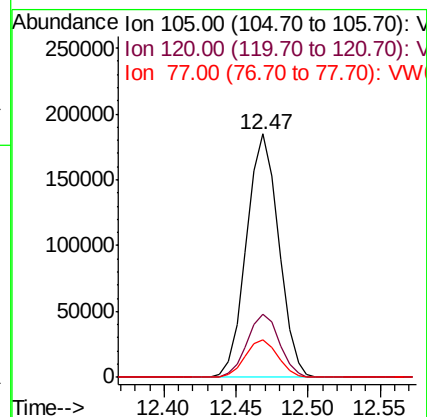
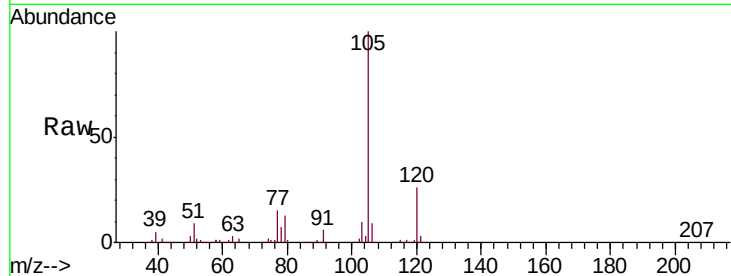
Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

Tgt Ion:	105	Resp:	286995
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1
77	15.7	12.3	18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 24.381 ug/L

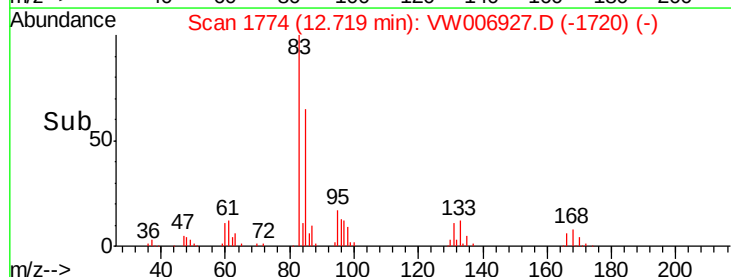
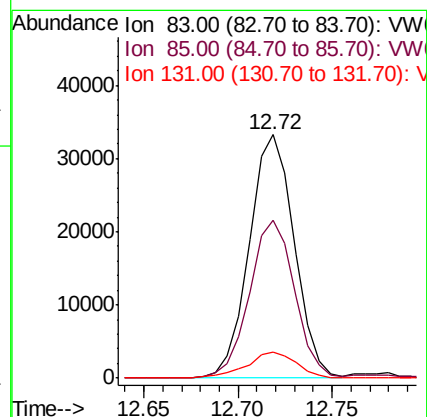
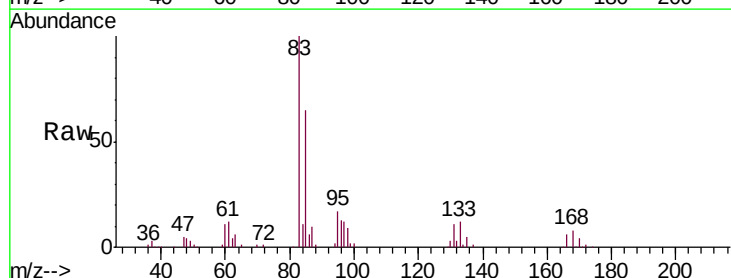
RT: 12.72 min Scan# 1774

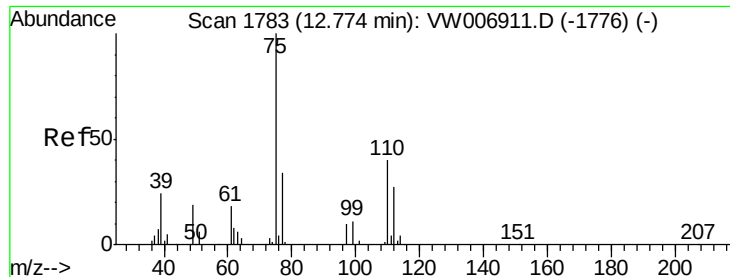
Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Tgt Ion:	83	Resp:	54982
Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.4	82.5
131	10.8	8.0	12.0

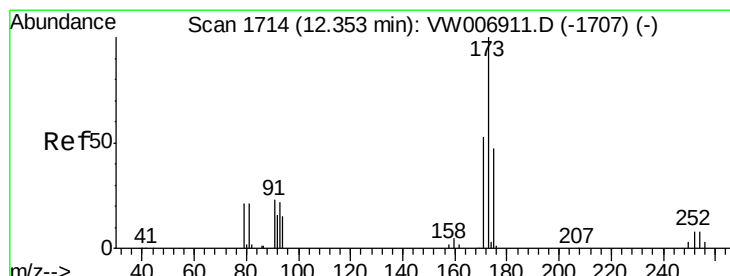
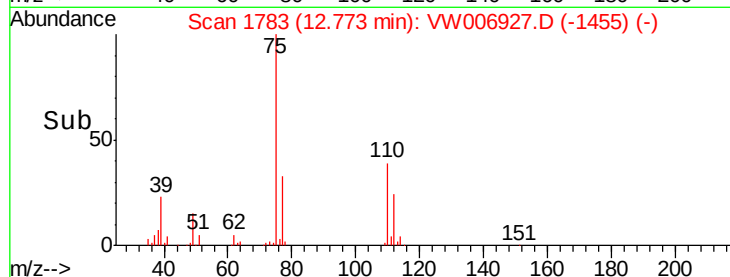
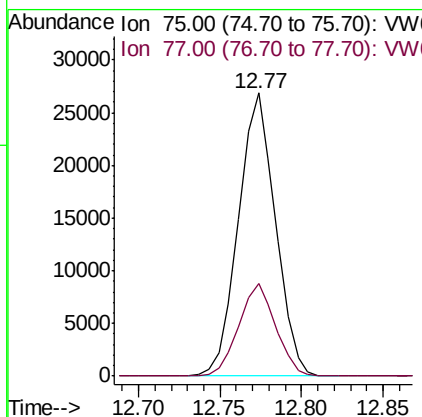
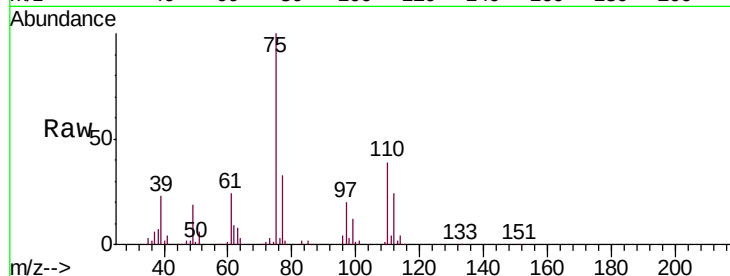




#59
 1,2,3-Trichloropropane
 Concen: 24.222 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

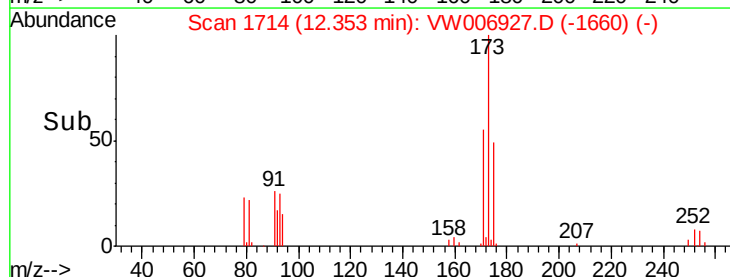
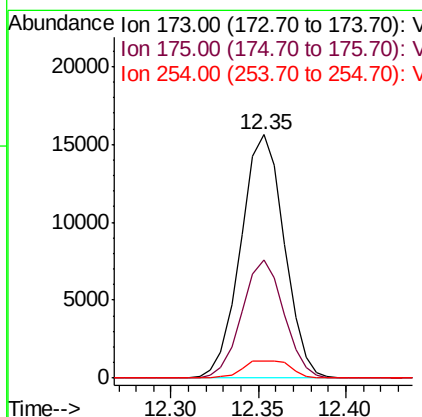
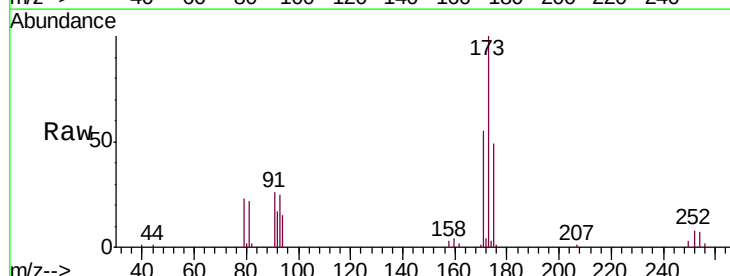
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

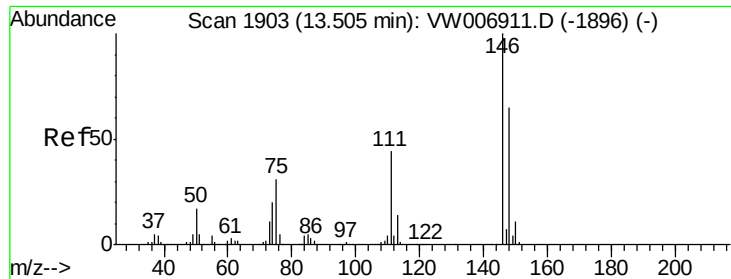
Tgt Ion: 75 Resp: 42541
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.5 39.7



#62
 Bromoform
 Concen: 25.928 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

Tgt Ion: 173 Resp: 27101
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.5 59.3
 254 7.6 6.4 9.6

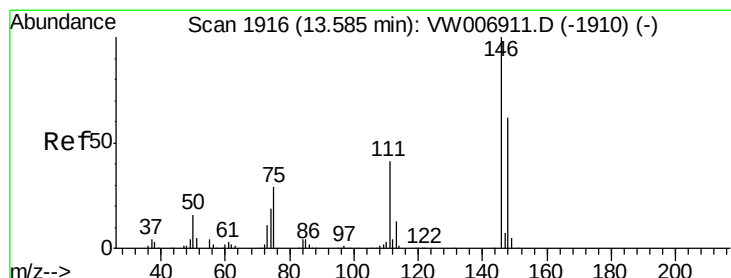
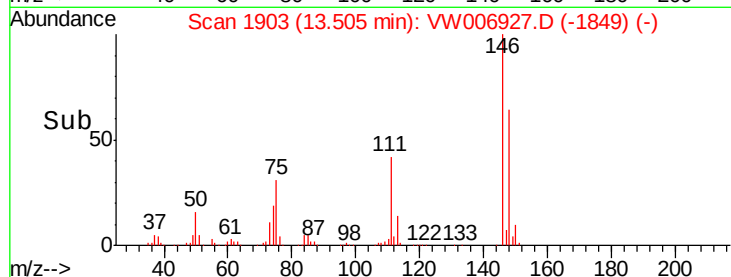
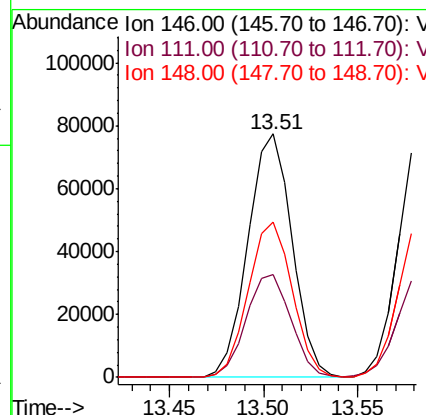
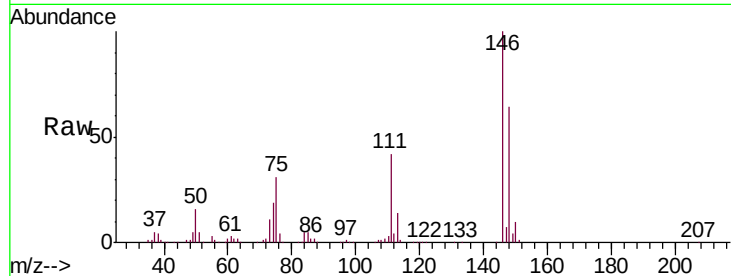




#63
 1,3-Dichlorobenzene
 Concen: 23.326 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

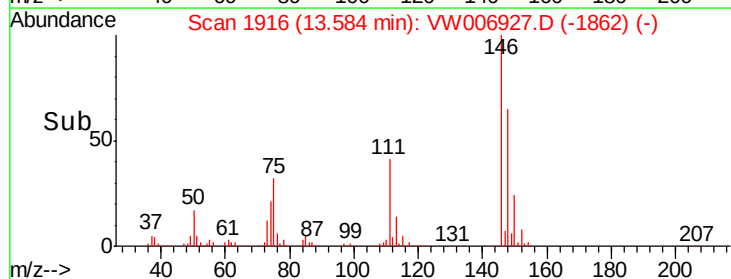
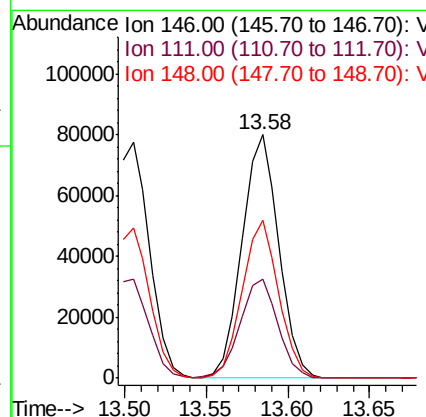
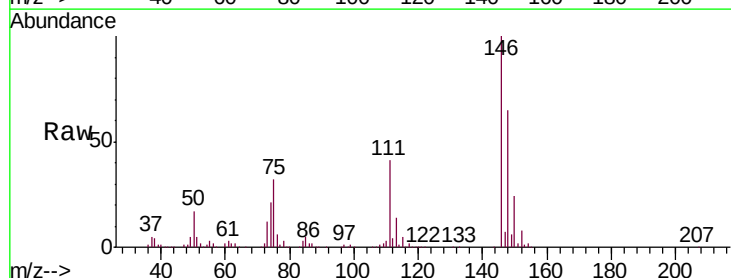
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

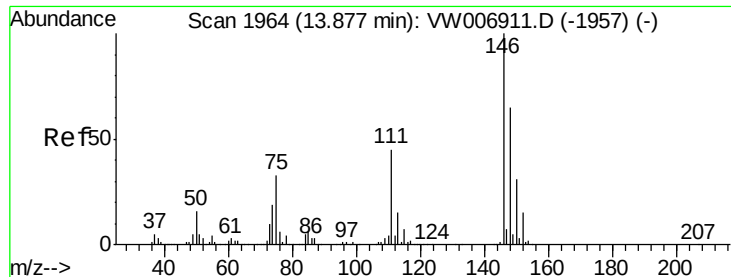
Tgt Ion:146 Resp: 125951
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.3 54.3
 148 63.8 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 23.341 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006927.D
 Acq: 16 Nov 2018 19:55

Tgt Ion:146 Resp: 125806
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.8 53.4
 148 64.7 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 24.026 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

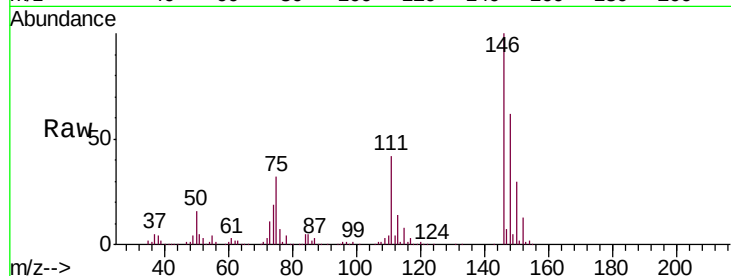
Tgt Ion:146 Resp: 116675

Ion Ratio Lower Upper

146 100

111 42.2 36.0 54.0

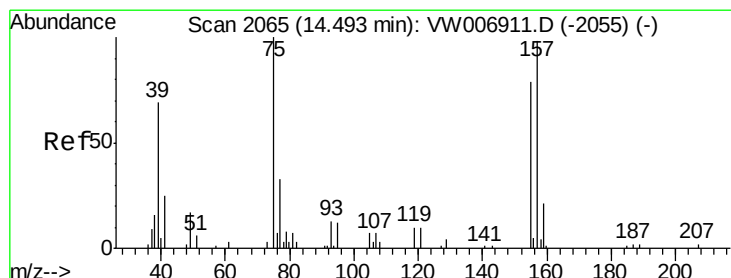
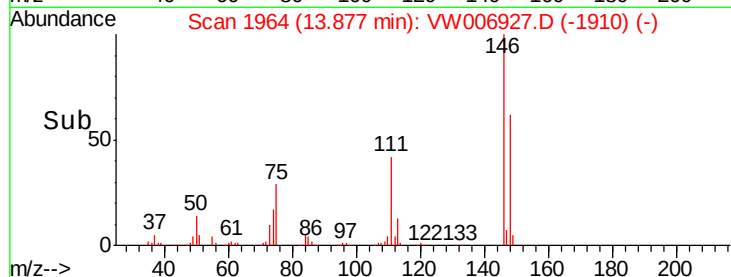
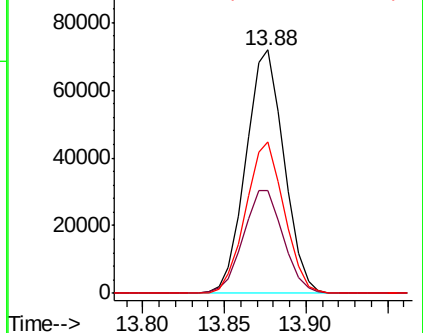
148 62.0 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.486 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

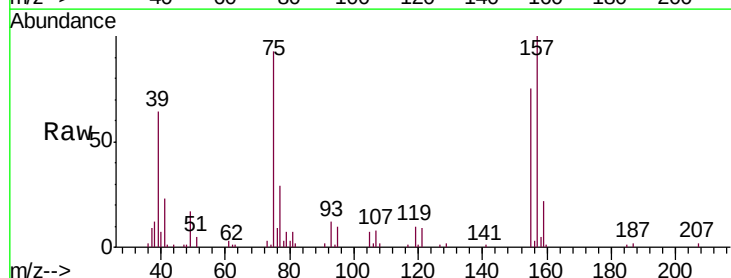
Tgt Ion: 75 Resp: 10573

Ion Ratio Lower Upper

75 100

157 108.1 85.0 127.6

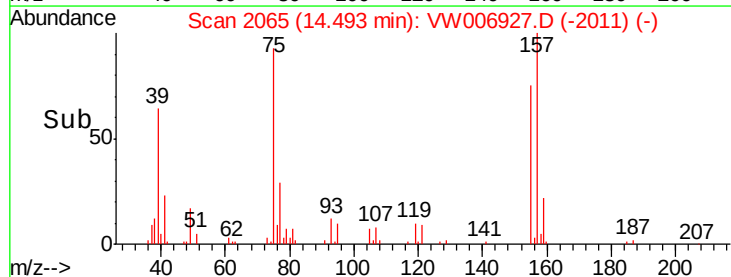
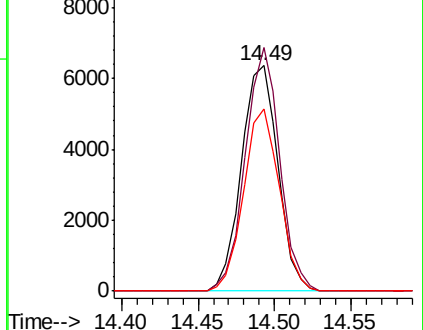
155 80.8 67.7 101.5

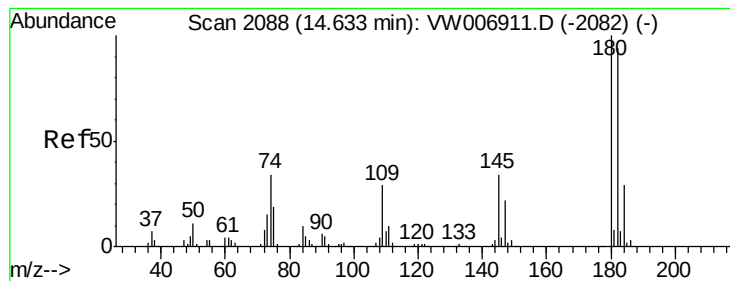


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 23.244 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

Tgt Ion:180 Resp: 85287

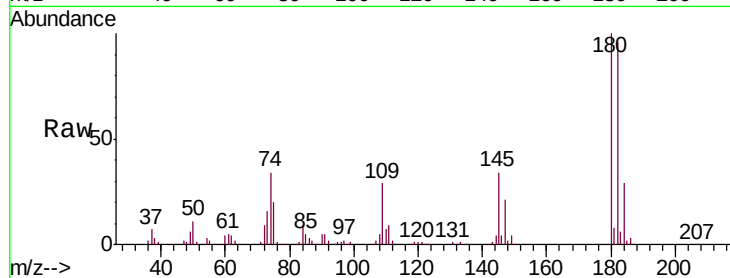
Ion Ratio Lower Upper

180 100

182 94.4 75.6 113.4

184 30.4 24.2 36.4

145 33.0 26.4 39.6



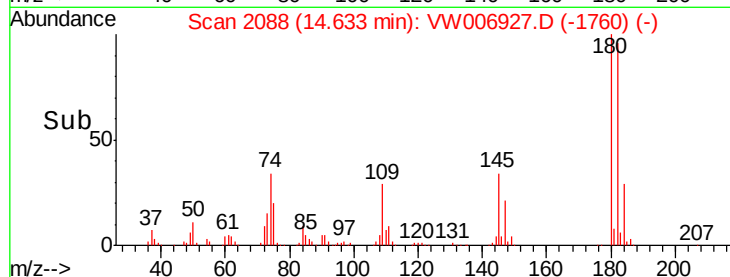
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

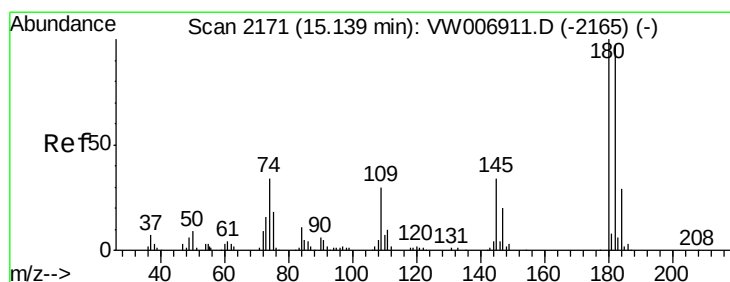
Ion 145.00 (144.70 to 145.70): V

Time-->



Abundance

Time-->



#68

1,2,4-trichlorobenzene

Concen: 23.953 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

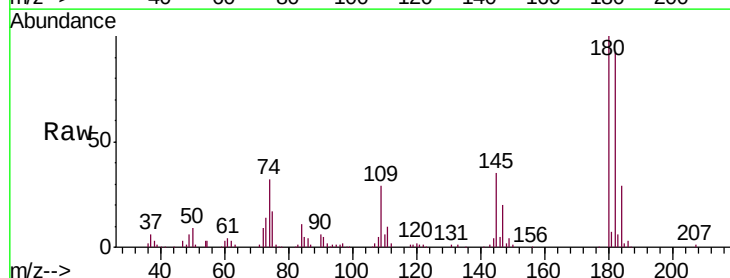
Tgt Ion:180 Resp: 71623

Ion Ratio Lower Upper

180 100

182 95.0 75.5 113.3

145 34.4 27.4 41.2

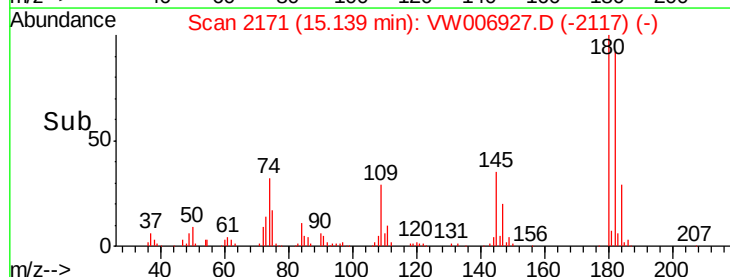


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

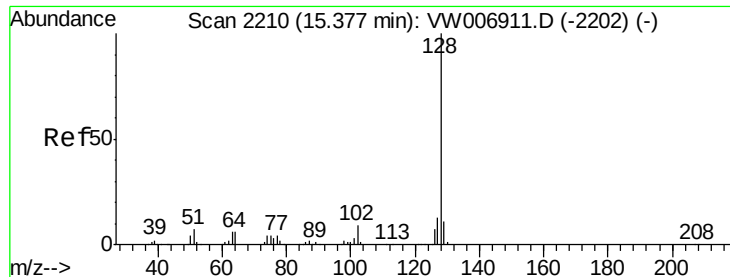
Ion 145.00 (144.70 to 145.70): V

Time-->



Abundance

Time-->



#69

Naphthalene

Concen: 23.251 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

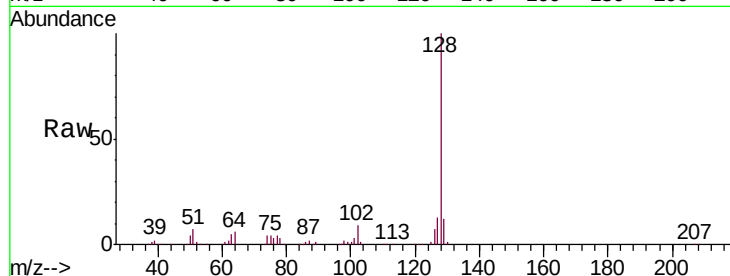
Tgt Ion:128 Resp: 166660

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

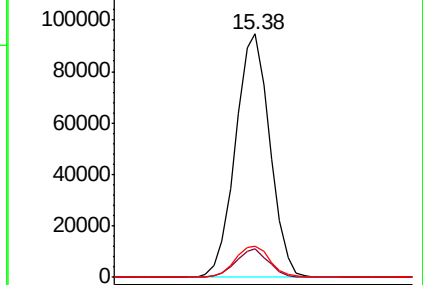
127 13.1 10.6 15.8



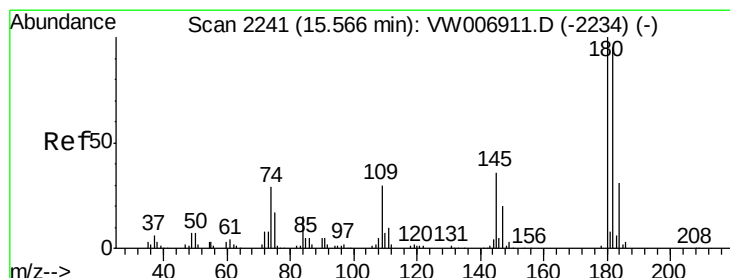
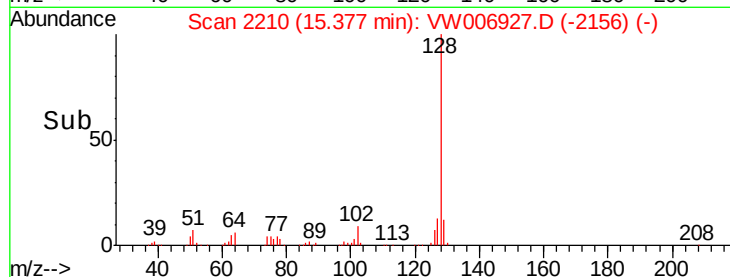
Abundance Ion 128.00 (127.70 to 128.70): V

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: 24.529 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006927.D

Acq: 16 Nov 2018 19:55

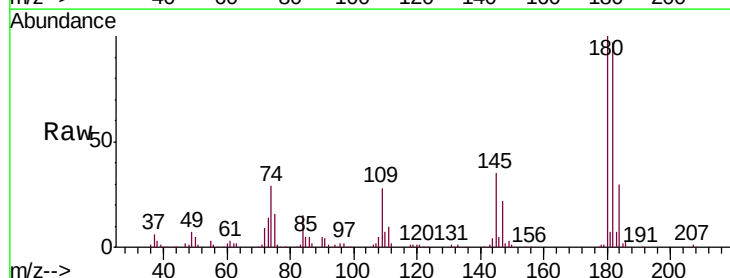
Tgt Ion:180 Resp: 65207

Ion Ratio Lower Upper

180 100

182 93.3 75.8 113.6

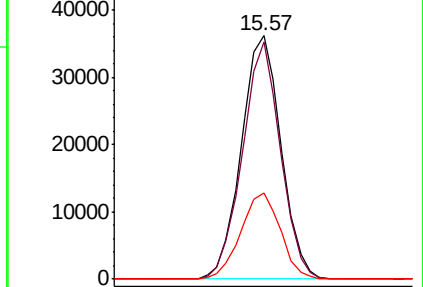
145 35.4 28.8 43.2



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



Time-->

