

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006329.D
 Acq On : 24 Oct 2018 19:26
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Quant Time: Oct 25 07:38:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	338146	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318367	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	177698	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76034	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
7) Chloroethane-d5	2.90	69	73567	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.64%
10) 1,1-Dichloroethene-d2	4.02	63	172067	23.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.00%
20) 2-Butanone-d5	7.09	46	63531	50.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.52%
24) Chloroform-d	7.65	84	182771	24.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	8.31	65	100685	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.40%
29) Benzene-d6	8.28	84	347694	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.28	67	104671	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.96%
37) Toluene-d8	10.33	98	344916	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.44%
38) trans-1,3-Dichloropropene-	10.58	79	46928	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.56%
39) 2-Hexanone-d5	10.93	63	53882	51.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121166	28.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	154939	25.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	105443	32.992 ug/L	96
3) Chloromethane	2.22	50	89903	28.644 ug/L	98
5) Vinyl chloride	2.37	62	137103	27.103 ug/L	100
6) Bromomethane	2.79	94	99367	25.227 ug/L	99
8) Chloroethane	2.93	64	85018	27.420 ug/L	97
9) Trichlorofluoromethane	3.26	101	122396	30.244 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117642	29.075 ug/L	99
13) Acetone	4.14	43	66511	52.083 ug/L	100
14) Carbon disulfide	4.38	76	311309	24.529 ug/L	100
15) Methyl Acetate	4.68	43	54347	26.274 ug/L	97
16) Methylene chloride	4.92	84	122616	28.086 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	173277	27.419 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	115039	26.764 ug/L	96
19) 1,1-Dichloroethane	6.22	63	185790	26.711 ug/L	99
21) 2-Butanone	7.18	43	81578	48.076 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	125446	26.756 ug/L	97
23) Bromochloromethane	7.52	128	59350	26.913 ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006329.D
 Acq On : 24 Oct 2018 19:26
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Quant Time: Oct 25 07:38:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

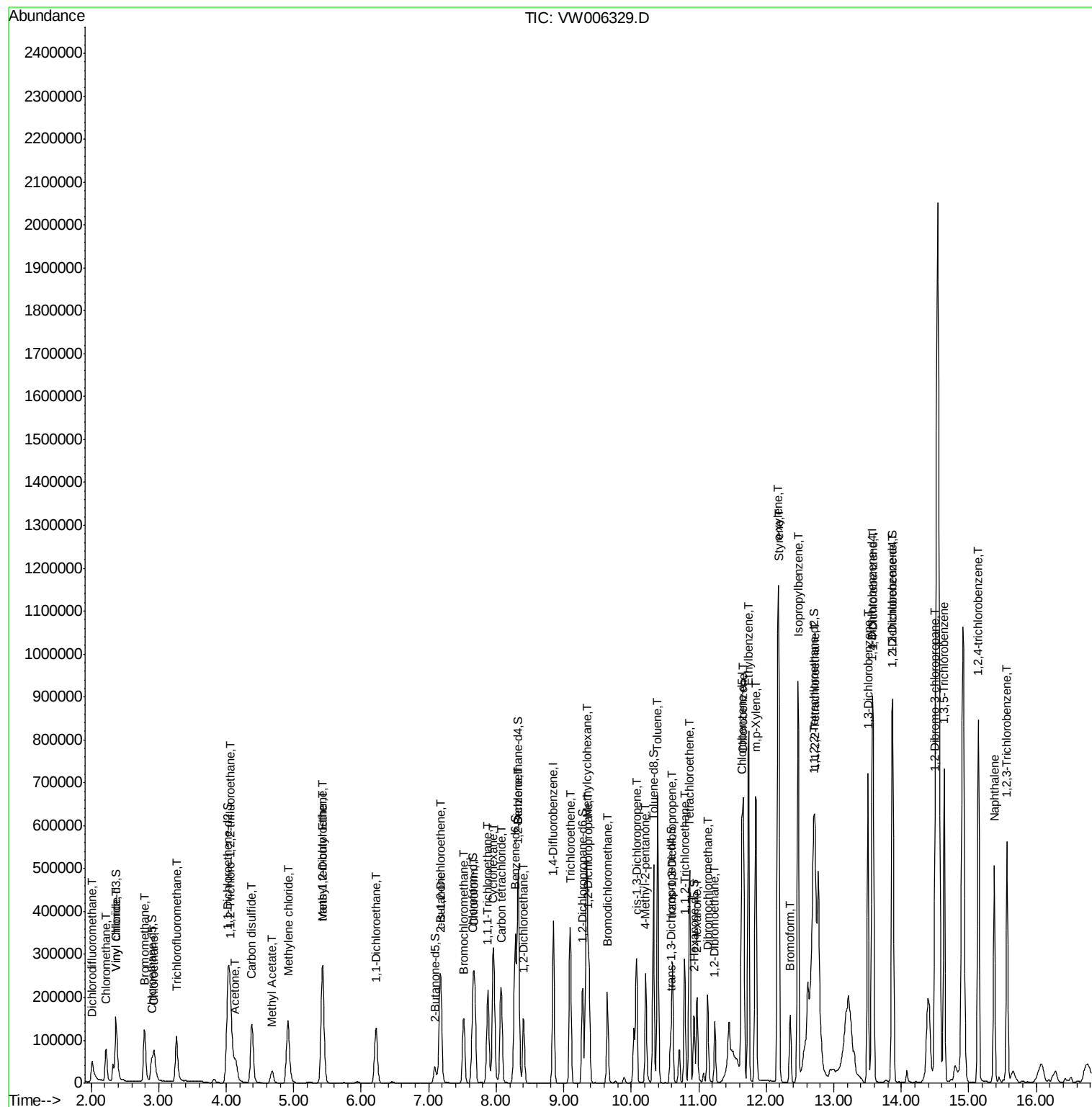
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	202897	27.099	ug/L	99
27) 1,2-Dichloroethane	8.40	62	137640	26.970	ug/L	98
30) Cyclohexane	7.96	56	182039	26.015	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	179732	26.979	ug/L	99
32) Carbon tetrachloride	8.07	117	172339	26.378	ug/L	99
34) Benzene	8.33	78	438302	26.818	ug/L	100
35) Trichloroethene	9.10	95	124462	27.066	ug/L	100
36) Methylcyclohexane	9.34	83	227253	26.972	ug/L	98
40) 1,2-Dichloropropane	9.37	63	106089	26.167	ug/L	99
41) Bromodichloromethane	9.65	83	139772	25.530	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	169139	25.542	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	158961	48.930	ug/L	98
44) Toluene	10.39	91	497725	27.122	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	148236	25.628	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	91982	27.244	ug/L	99
47) Tetrachloroethene	10.87	164	118071	27.738	ug/L	96
49) 2-Hexanone	10.98	43	121783	50.864	ug/L	97
50) Dibromochloromethane	11.13	129	109639	25.336	ug/L	100
51) 1,2-Dibromoethane	11.24	107	94481	26.885	ug/L	99
52) Chlorobenzene	11.66	112	339457	27.334	ug/L	97
53) Ethylbenzene	11.74	91	582562	27.268	ug/L	99
54) m,p-Xylene	11.85	106	228185	27.248	ug/L	100
55) o-xylene	12.17	106	216612	27.090	ug/L	100
56) Styrene	12.19	104	367778	26.709	ug/L	95
57) Isopropylbenzene	12.47	105	610231	27.428	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	143411	32.687	ug/L	97
62) Bromoform	12.35	173	71453	23.998	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	301800	27.656	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	316738	28.823	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	277663	27.659	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26697	33.039	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	249104	28.319	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	294098	39.210	ug/L	99
69) Naphthalene	15.38	128	440993	29.039	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	208922	31.005	ug/L	99

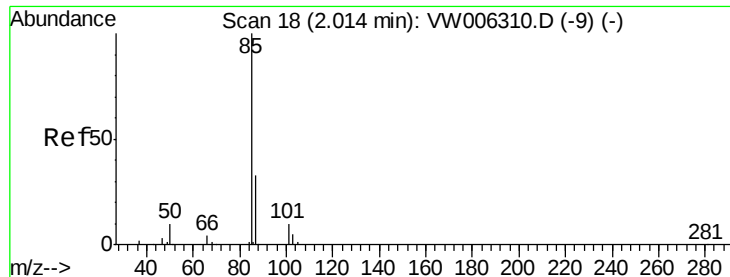
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
Data File : VW006329.D
Acq On : 24 Oct 2018 19:26
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Quant Time: Oct 25 07:38:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 32.992 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

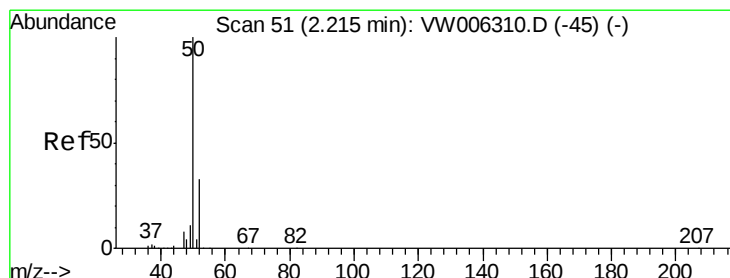
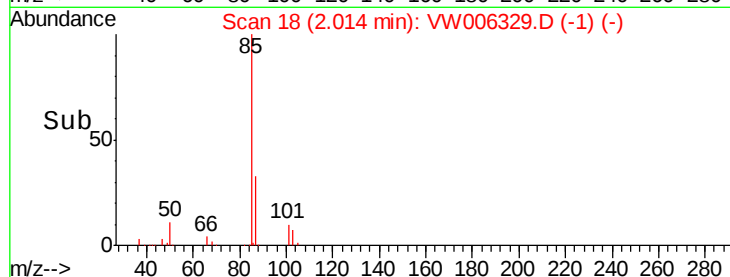
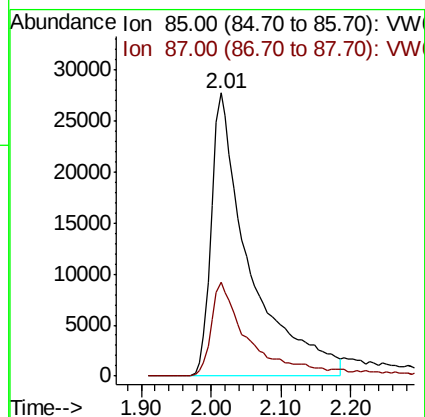
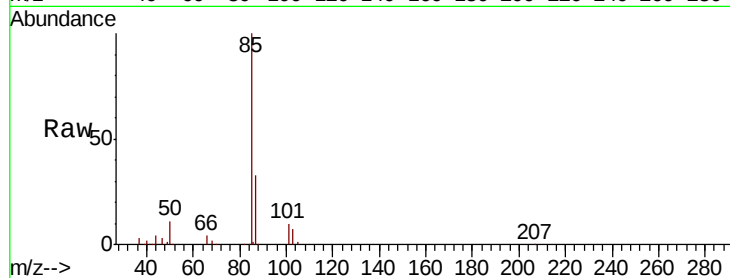
VSTD02505

Tgt Ion: 85 Resp: 105443

Ion Ratio Lower Upper

85 100

87 29.3 19.2 35.6



#3

Chloromethane

Concen: 28.644 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006329.D

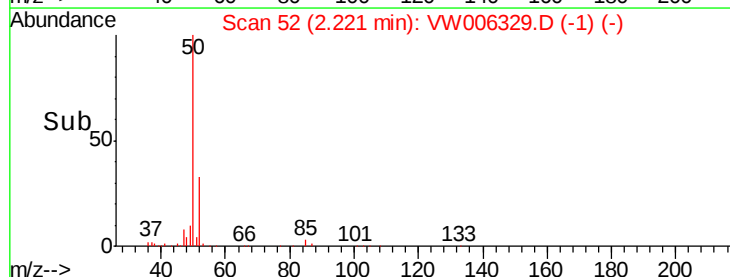
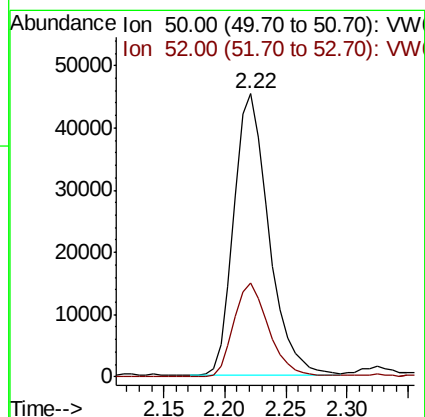
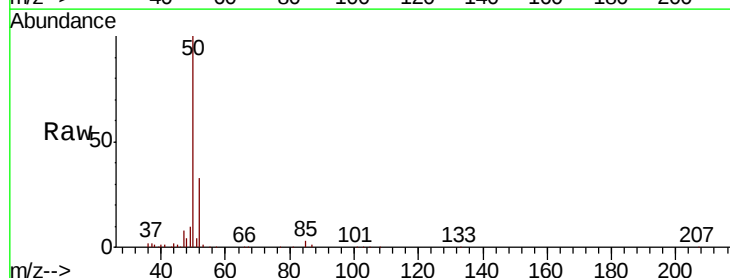
Acq: 24 Oct 2018 19:26

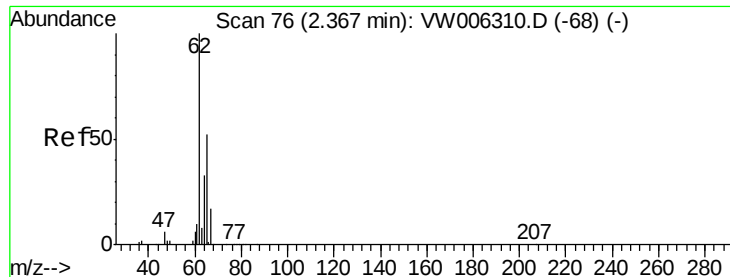
Tgt Ion: 50 Resp: 89903

Ion Ratio Lower Upper

50 100

52 33.2 22.3 41.3





#5

Vinyl chloride

Concen: 27.103 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

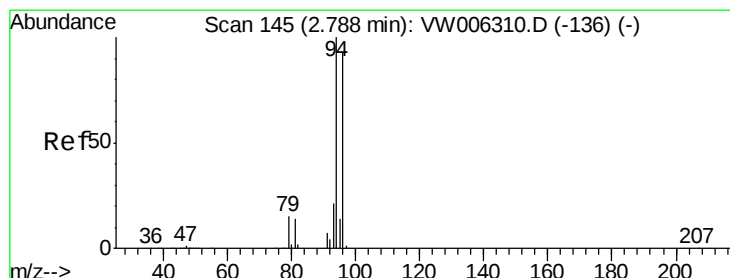
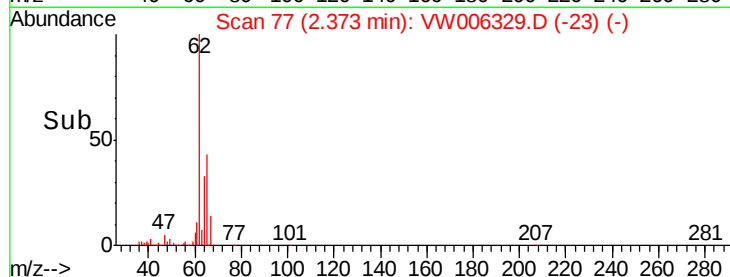
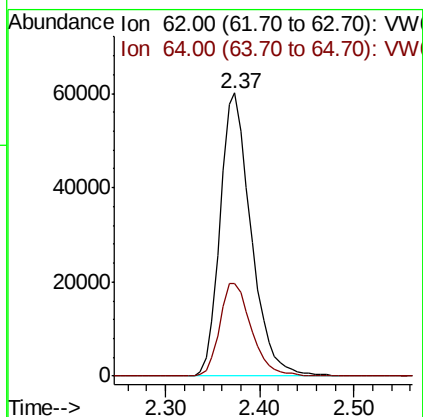
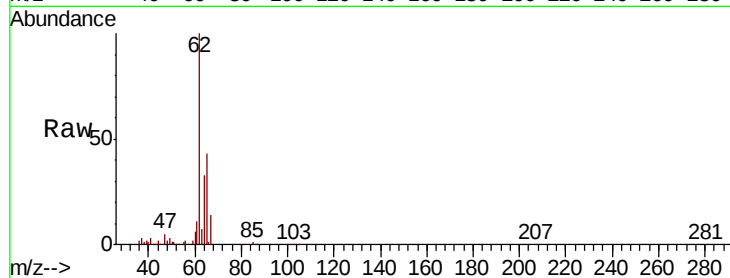
VSTD02505

Tgt Ion: 62 Resp: 137103

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



#6

Bromomethane

Concen: 25.227 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006329.D

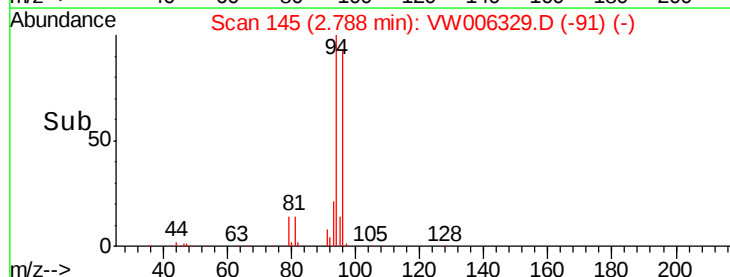
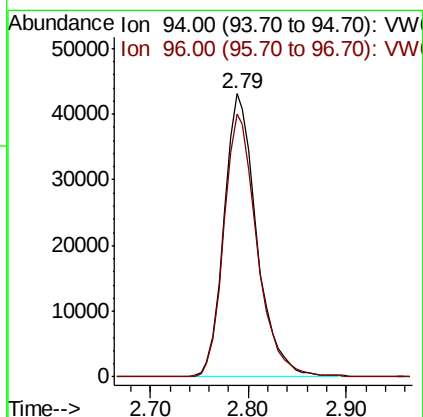
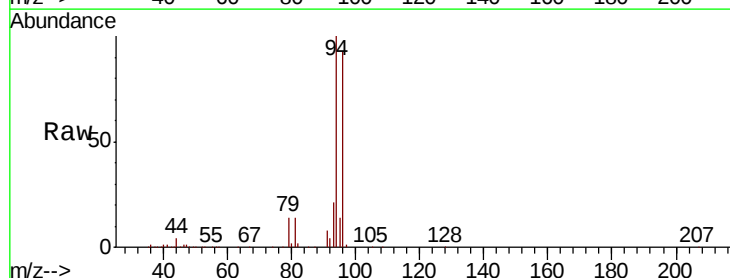
Acq: 24 Oct 2018 19:26

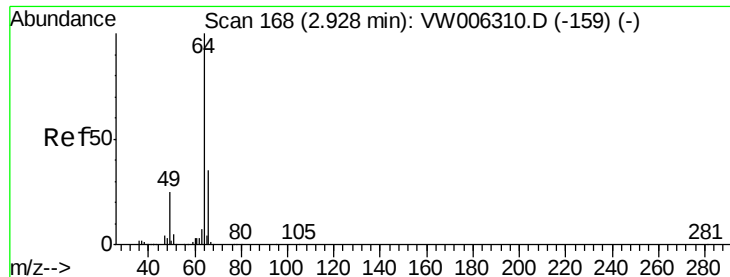
Tgt Ion: 94 Resp: 99367

Ion Ratio Lower Upper

94 100

96 94.8 9.5 181.3





#8

Chloroethane

Concen: 27.420 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

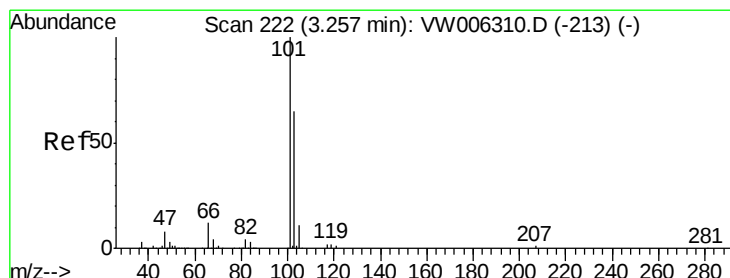
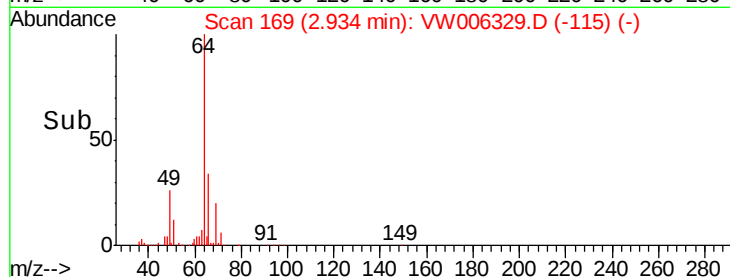
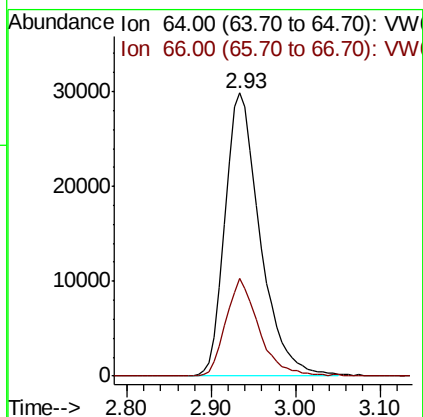
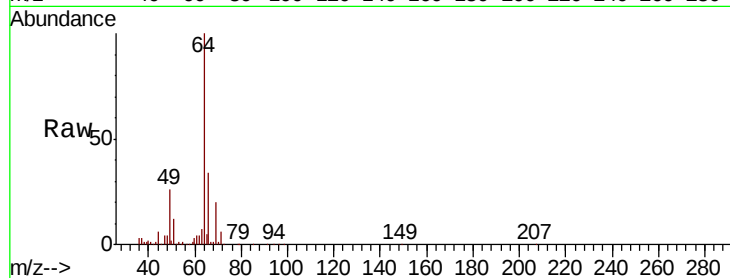
VSTD02505

Tgt Ion: 64 Resp: 85018

Ion Ratio Lower Upper

64 100

66 34.3 22.7 42.1



#9

Trichlorofluoromethane

Concen: 30.244 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006329.D

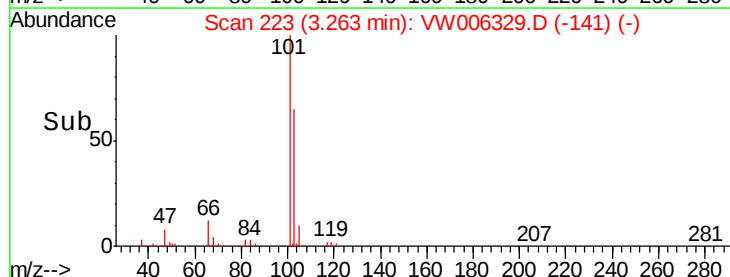
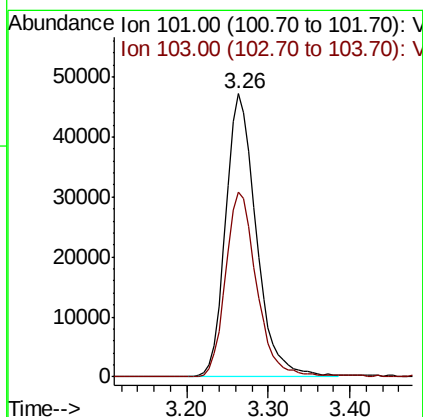
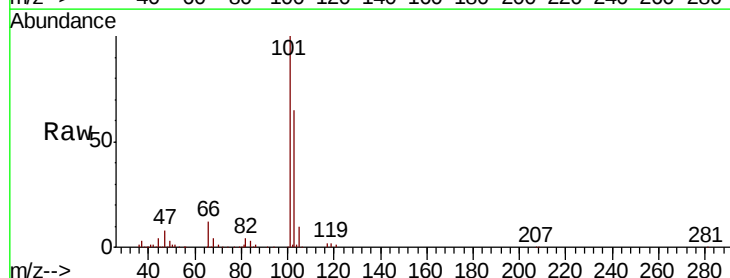
Acq: 24 Oct 2018 19:26

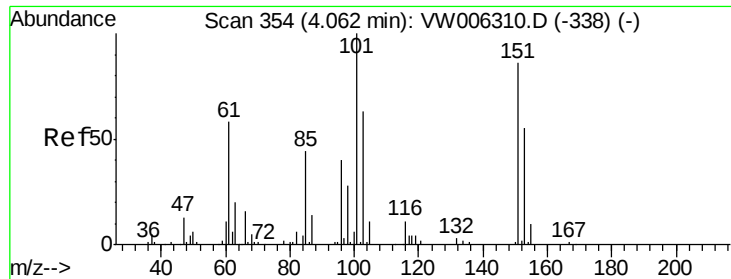
Tgt Ion: 101 Resp: 122396

Ion Ratio Lower Upper

101 100

103 65.3 45.6 84.6





#11

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

Concen: 29.075 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

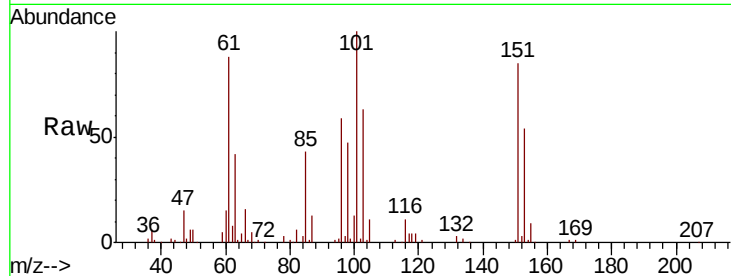
Tgt Ion:101 Resp: 117642

Ion Ratio Lower Upper

101 100

85 42.6 33.4 50.2

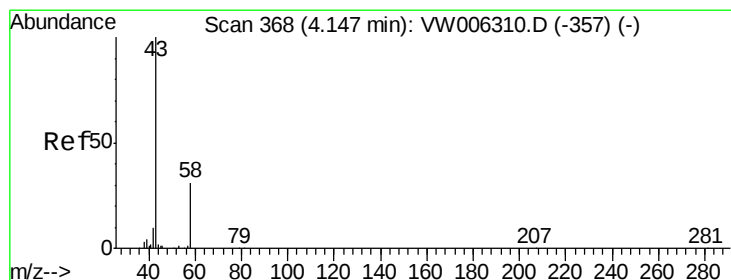
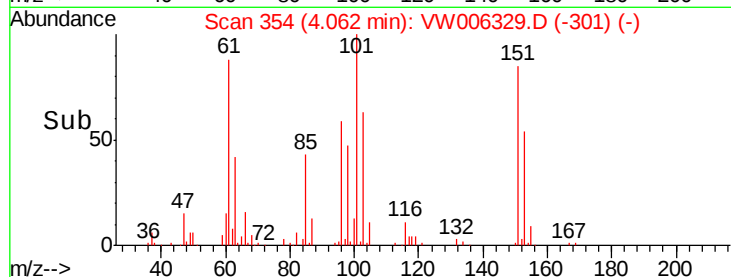
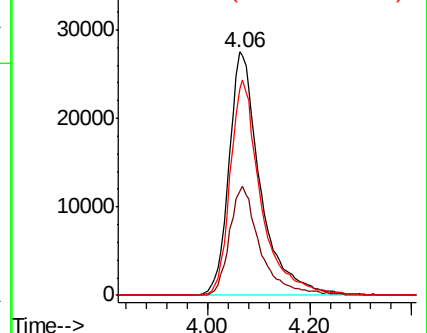
151 86.2 68.7 103.1



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



#13

Acetone

Concen: 52.083 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006329.D

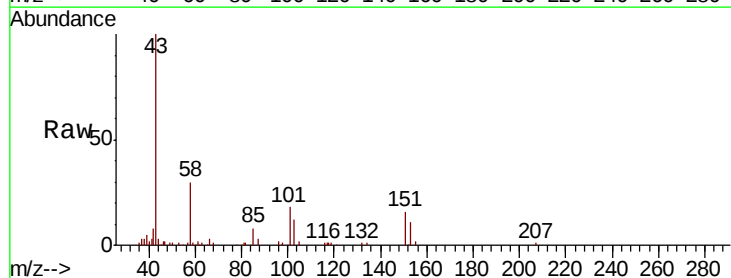
Acq: 24 Oct 2018 19:26

Tgt Ion: 43 Resp: 66511

Ion Ratio Lower Upper

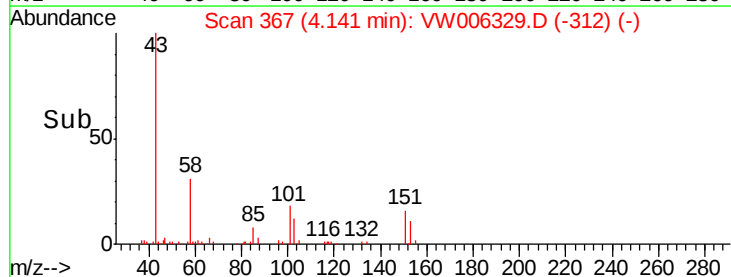
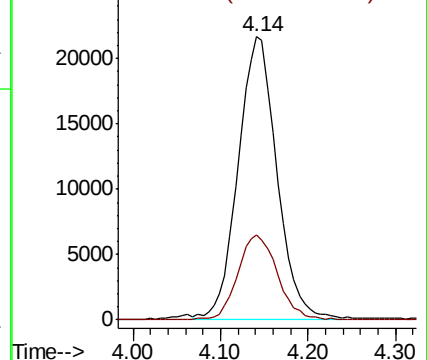
43 100

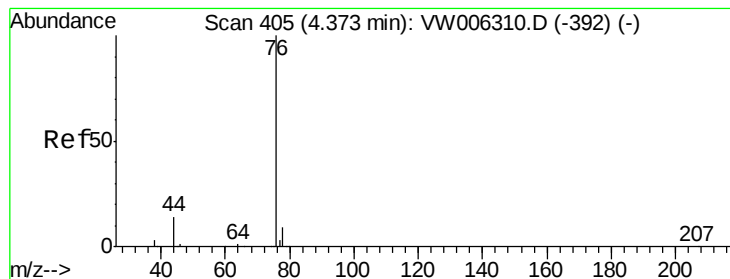
58 30.5 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 24.529 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

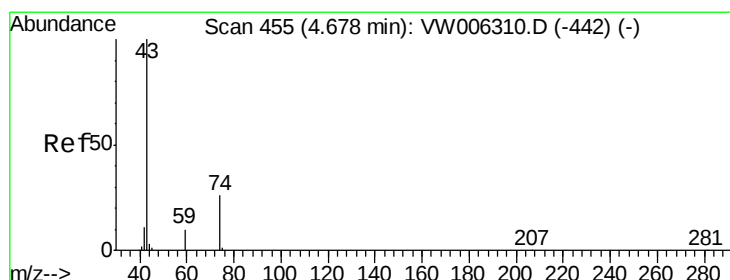
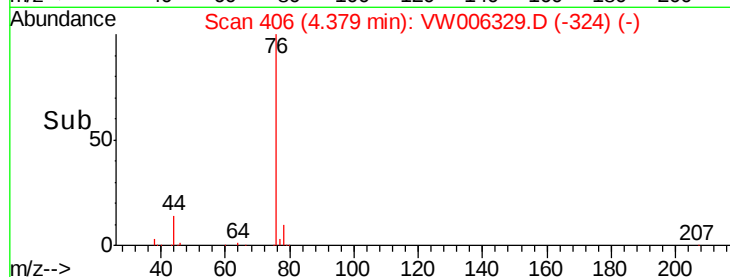
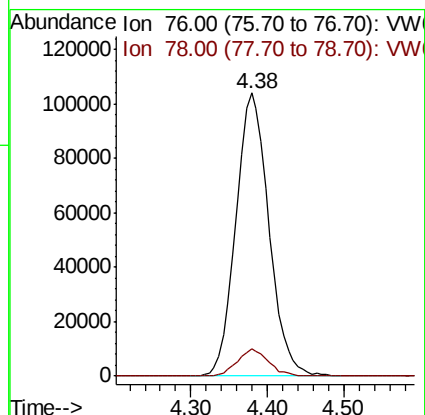
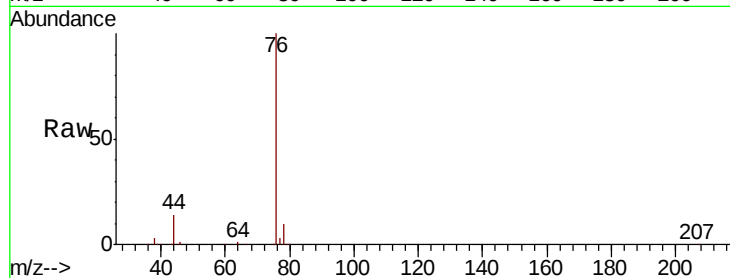
VSTD02505

Tgt Ion: 76 Resp: 311309

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



#15

Methyl Acetate

Concen: 26.274 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006329.D

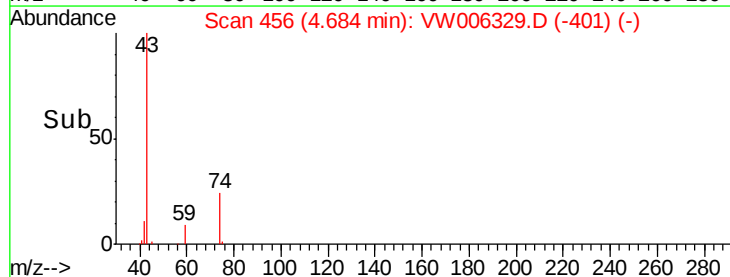
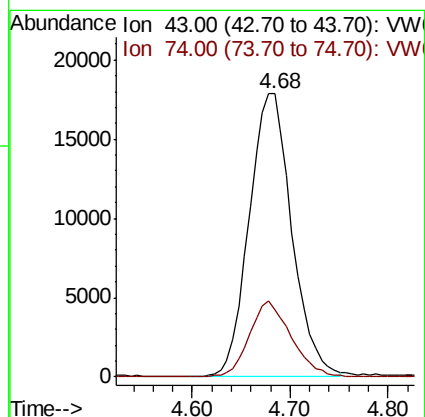
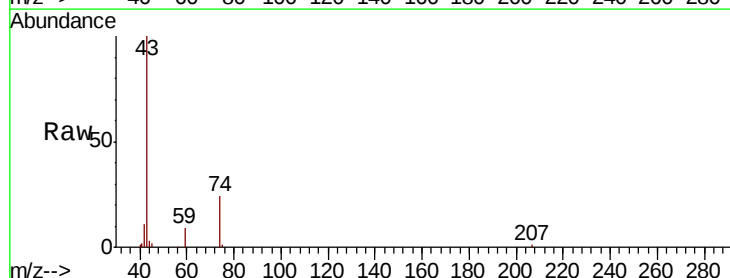
Acq: 24 Oct 2018 19:26

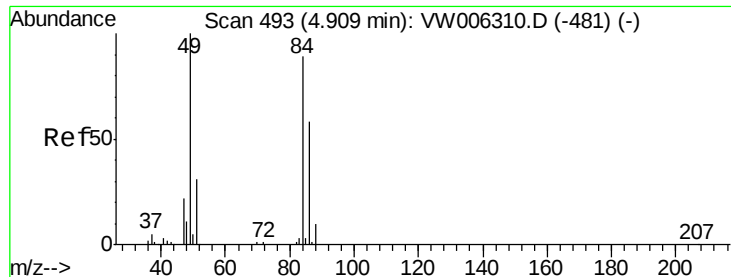
Tgt Ion: 43 Resp: 54347

Ion Ratio Lower Upper

43 100

74 26.0 19.4 29.2

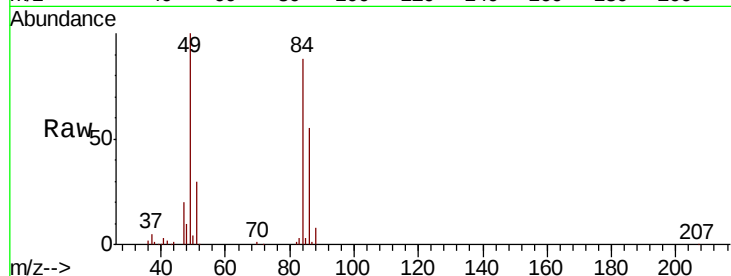




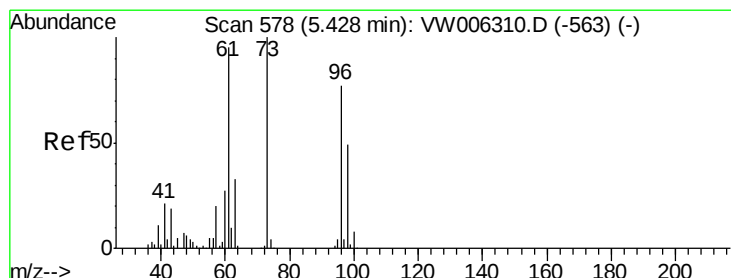
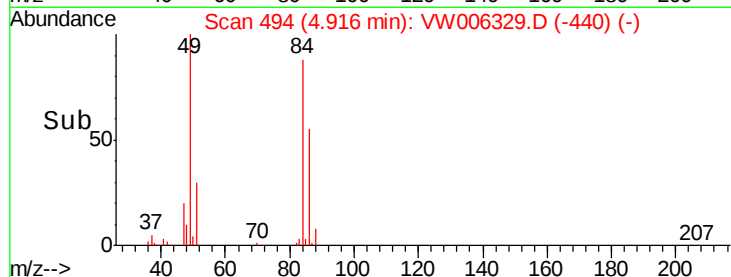
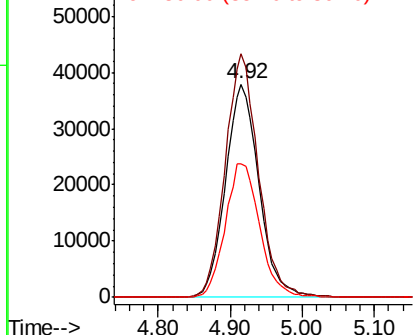
#16
Methylene chloride
Concen: 28.086 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006329.D
Acq: 24 Oct 2018 19:26

Instrument :
MSVOA_W
ClientSampled :
VSTD02505

Tgt Ion: 84 Resp: 122616
Ion Ratio Lower Upper
84 100
49 114.1 83.5 155.1
86 62.6 44.9 83.5

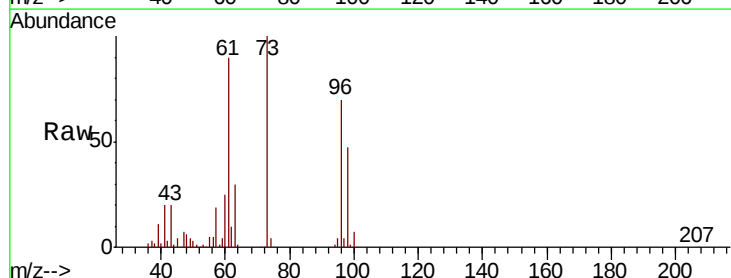


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

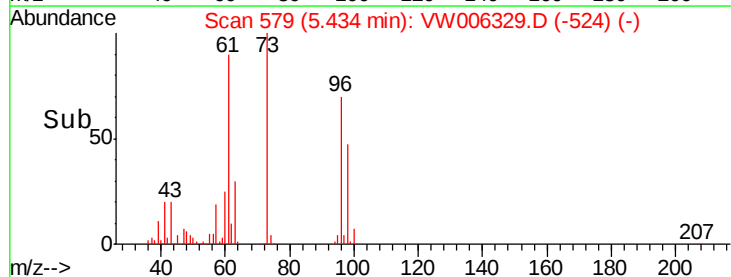
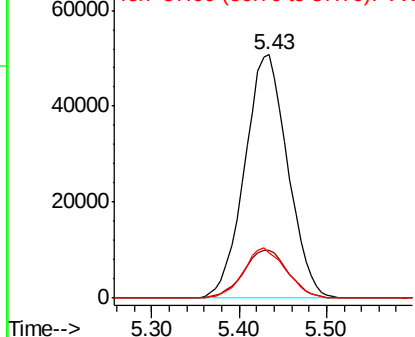


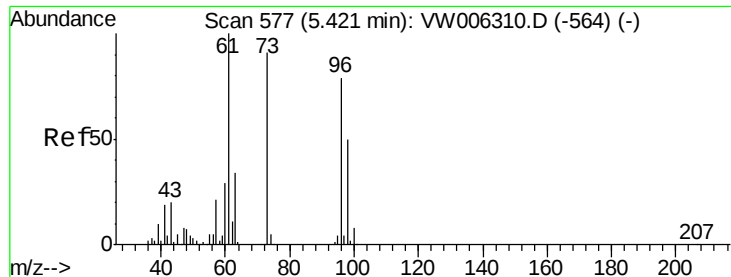
#17
Methyl tert-butyl Ether
Concen: 27.419 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006329.D
Acq: 24 Oct 2018 19:26

Tgt Ion: 73 Resp: 173277
Ion Ratio Lower Upper
73 100
43 20.5 17.0 25.4
57 20.4 17.1 25.7



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





#18

trans-1,2-Dichloroethene

Concen: 26.764 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

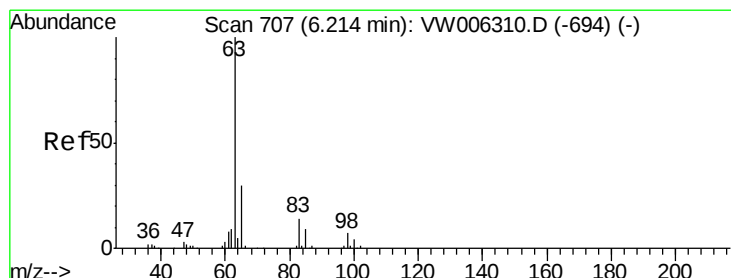
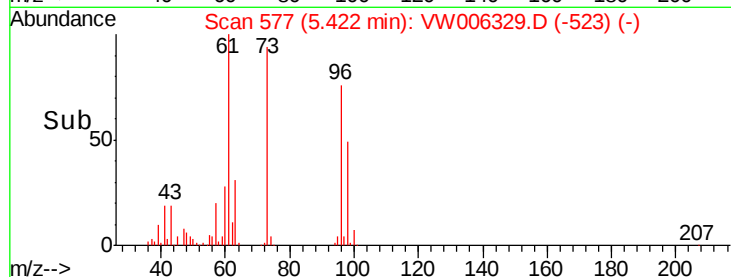
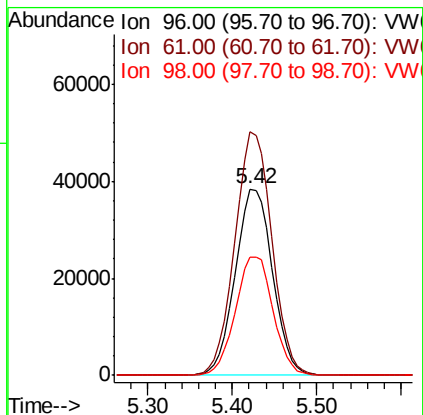
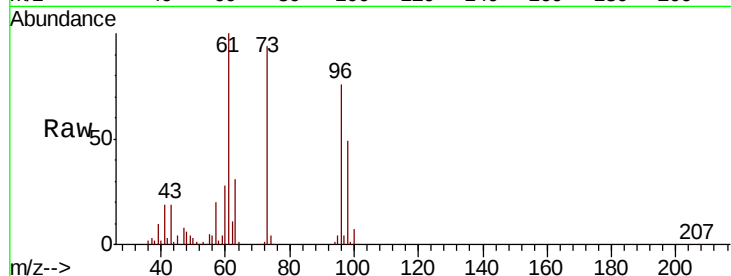
Tgt Ion: 96 Resp: 115039

Ion Ratio Lower Upper

96 100

61 130.8 89.0 165.2

98 63.7 42.4 78.6



#19

1,1-Dichloroethane

Concen: 26.711 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

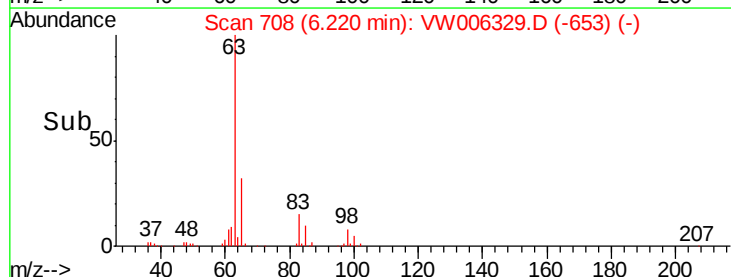
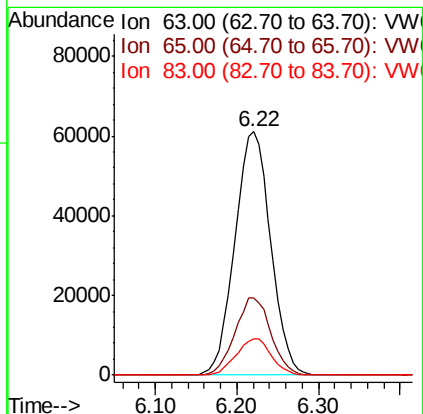
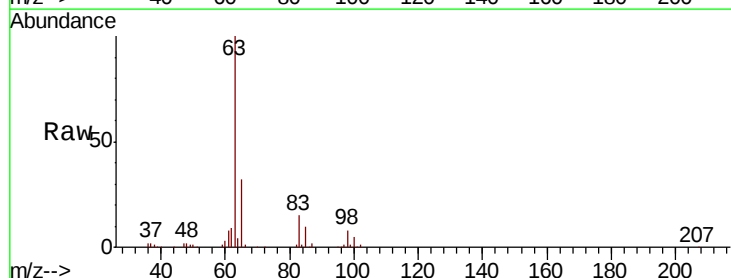
Tgt Ion: 63 Resp: 185790

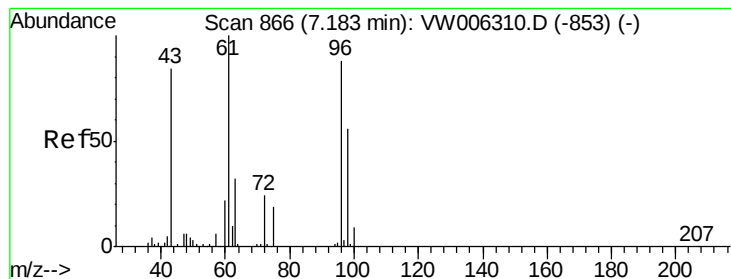
Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

83 14.8 9.7 18.1





#21

2-Butanone

Concen: 48.076 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampled :

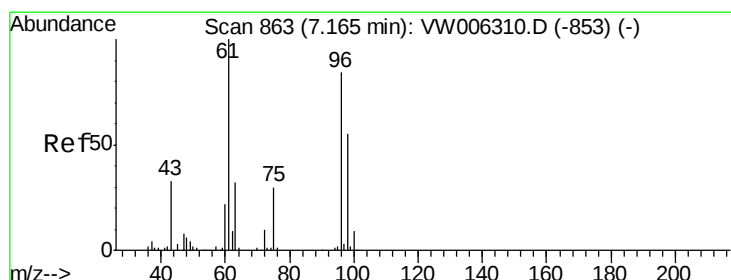
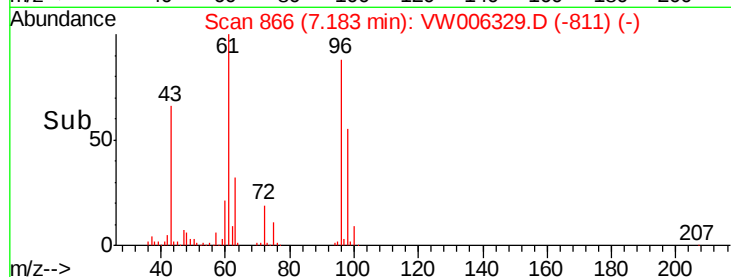
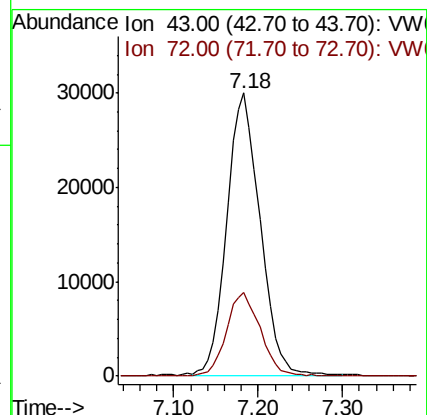
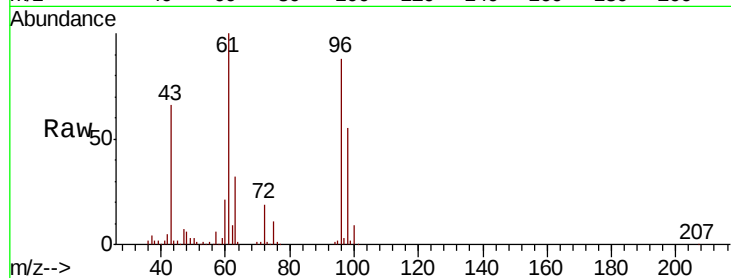
VSTD02505

Tgt Ion: 43 Resp: 81578

Ion Ratio Lower Upper

43 100

72 29.6 13.8 41.4



#22

cis-1,2-Dichloroethene

Concen: 26.756 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

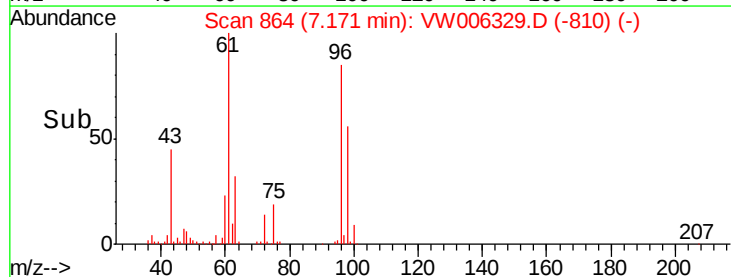
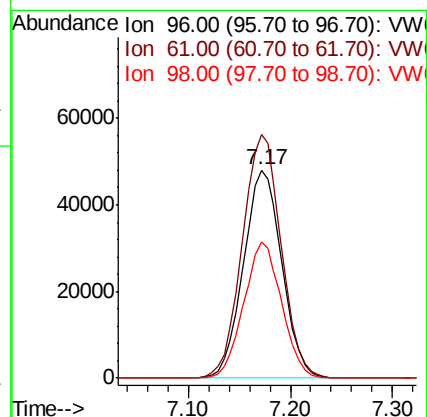
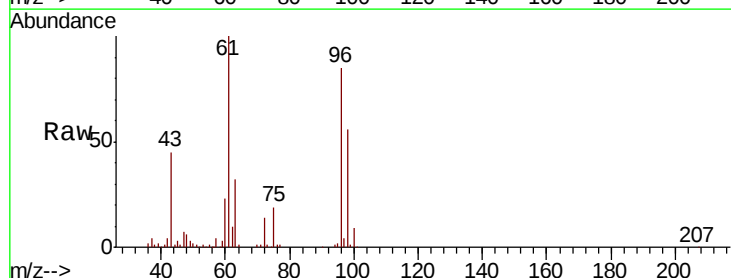
Tgt Ion: 96 Resp: 125446

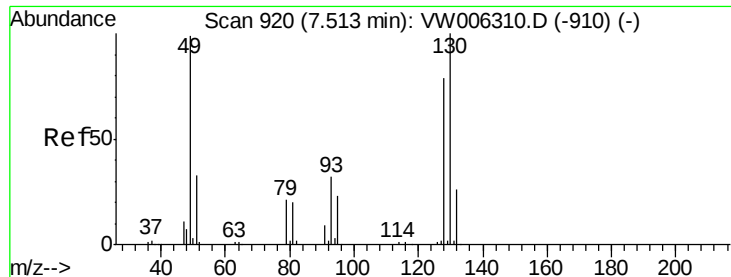
Ion Ratio Lower Upper

96 100

61 117.1 85.1 158.1

98 65.2 46.3 86.1





#23

Bromochloromethane

Concen: 26.913 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion:128 Resp: 59350

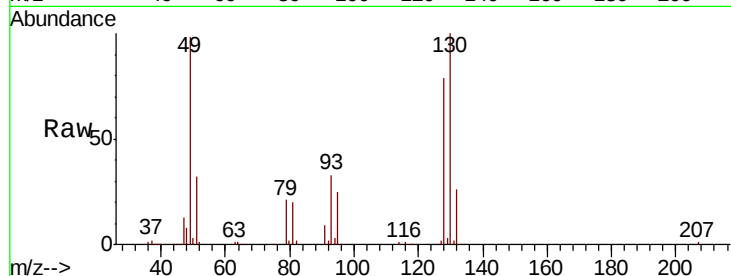
Ion Ratio Lower Upper

128 100

49 125.0 95.2 176.8

130 126.9 86.3 160.3

51 40.6 33.8 50.8

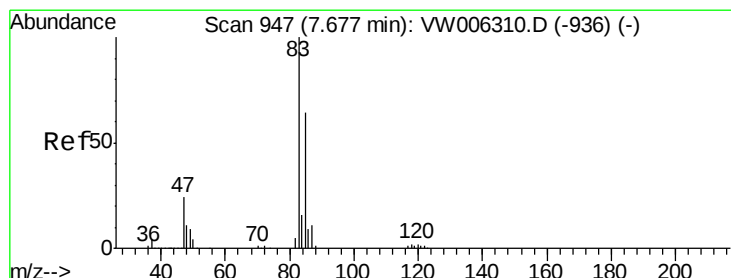
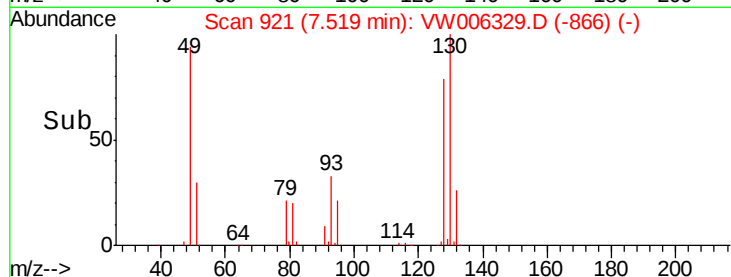
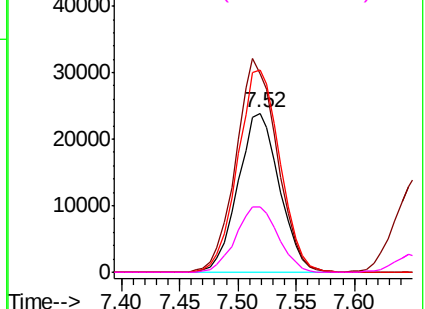


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV



#25

Chloroform

Concen: 27.099 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006329.D

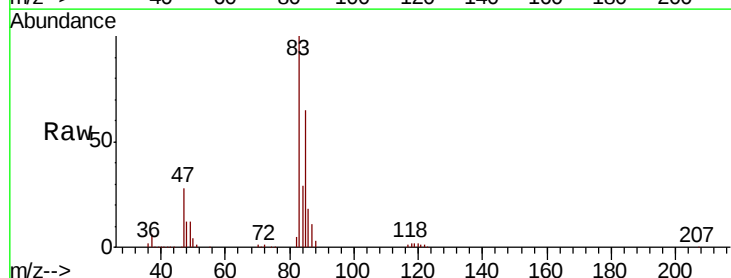
Acq: 24 Oct 2018 19:26

Tgt Ion: 83 Resp: 202897

Ion Ratio Lower Upper

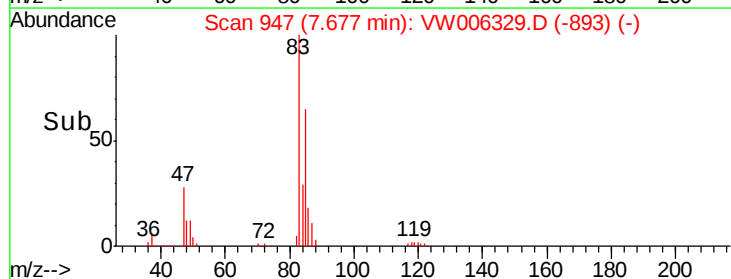
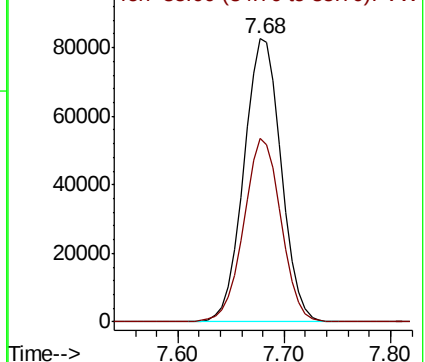
83 100

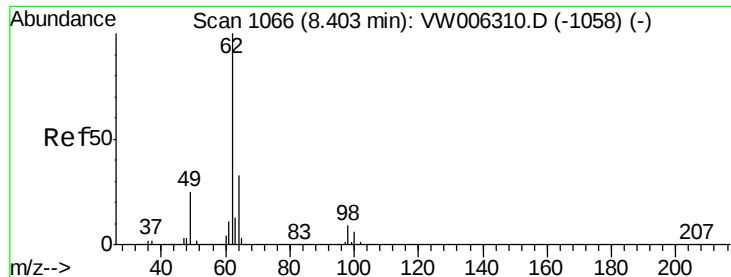
85 64.9 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

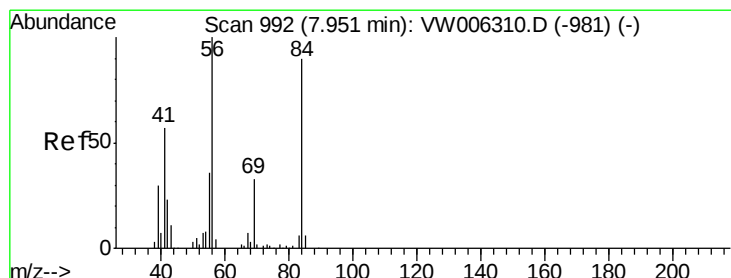
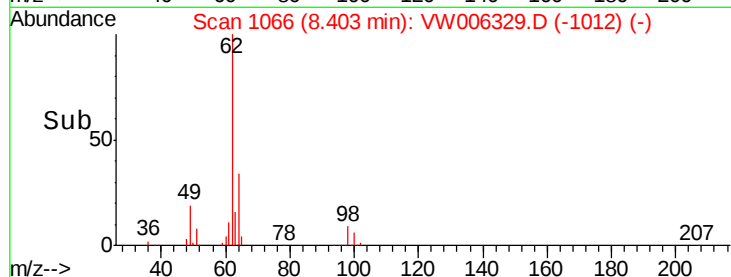
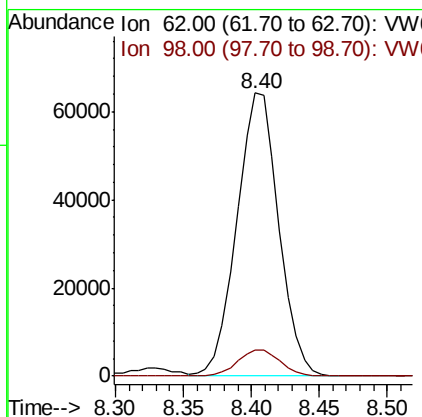
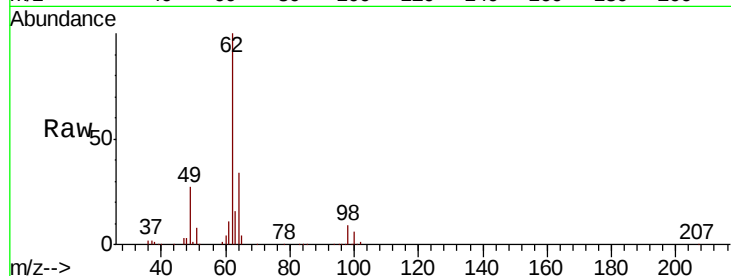




#27
 1,2-Dichloroethane
 Concen: 26.970 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

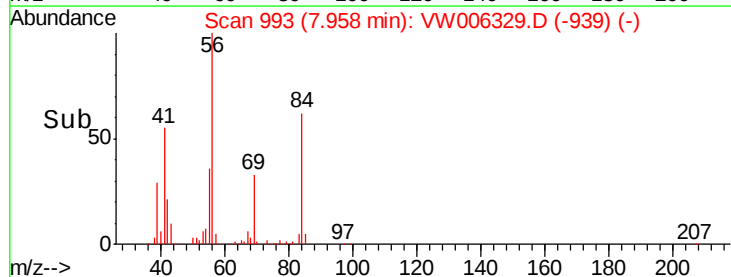
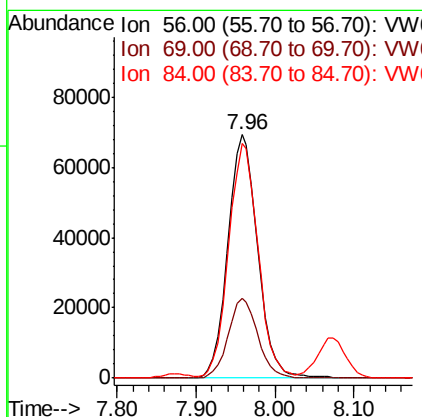
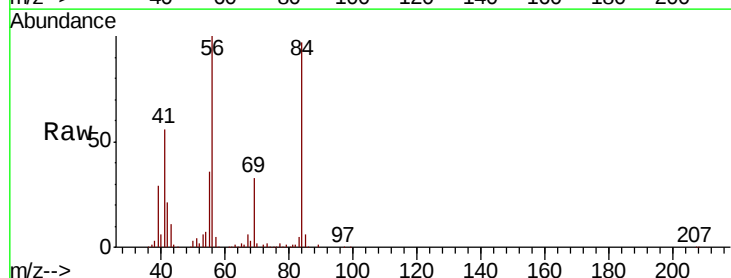
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

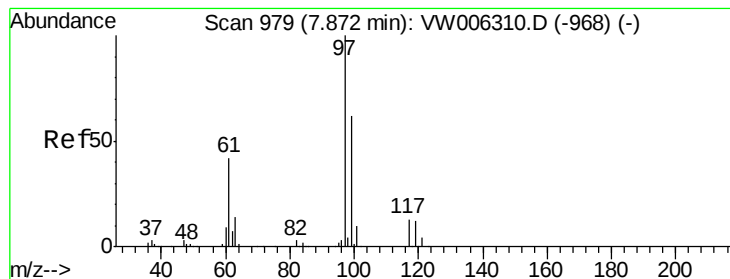
Tgt Ion: 62 Resp: 137640
 Ion Ratio Lower Upper
 62 100
 98 9.3 8.0 12.0



#30
 Cyclohexane
 Concen: 26.015 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

Tgt Ion: 56 Resp: 182039
 Ion Ratio Lower Upper
 56 100
 69 32.4 25.4 38.0
 84 95.2 73.9 110.9





#31

1,1,1-Trichloroethane

Concen: 26.979 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

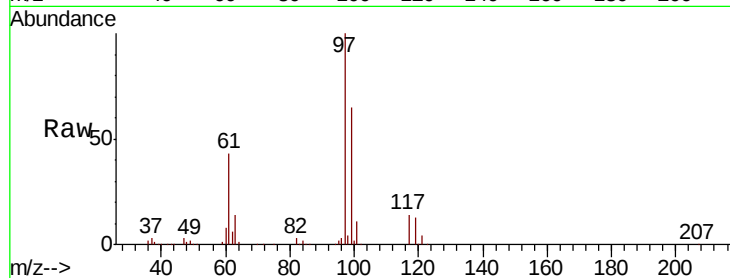
Tgt Ion: 97 Resp: 179732

Ion Ratio Lower Upper

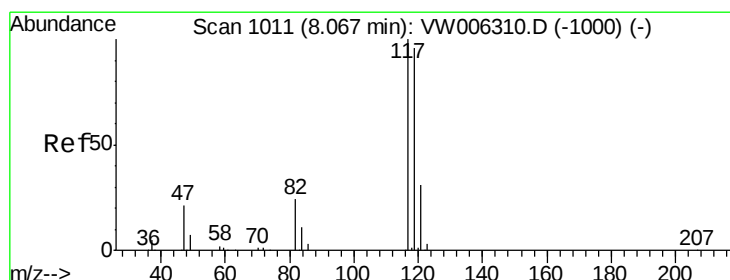
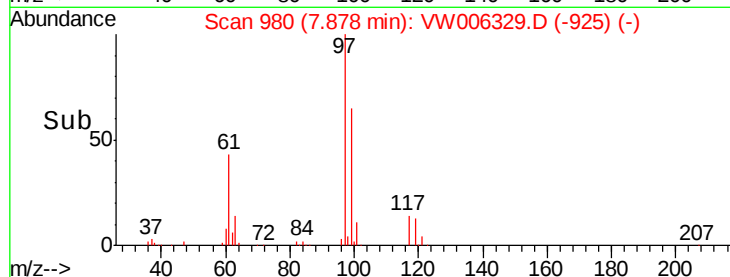
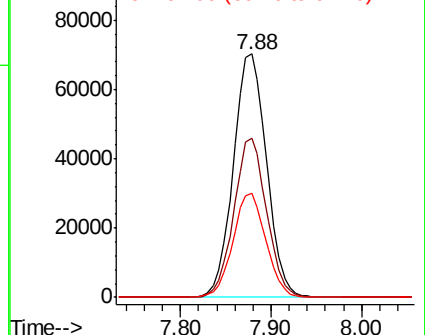
97 100

99 64.4 51.0 76.4

61 42.4 33.6 50.4



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: 26.378 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006329.D

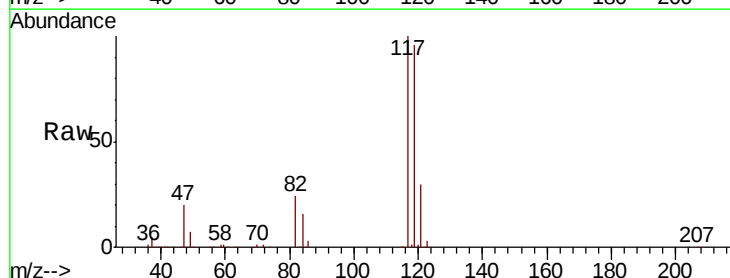
Acq: 24 Oct 2018 19:26

Tgt Ion: 117 Resp: 172339

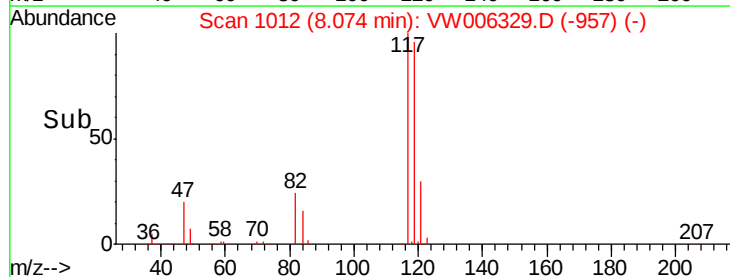
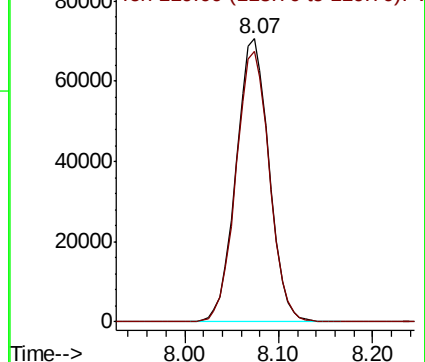
Ion Ratio Lower Upper

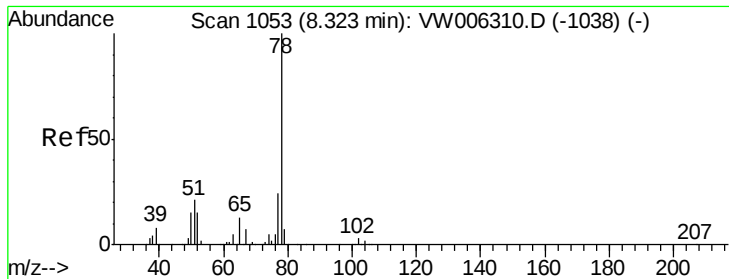
117 100

119 96.9 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 26.818 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

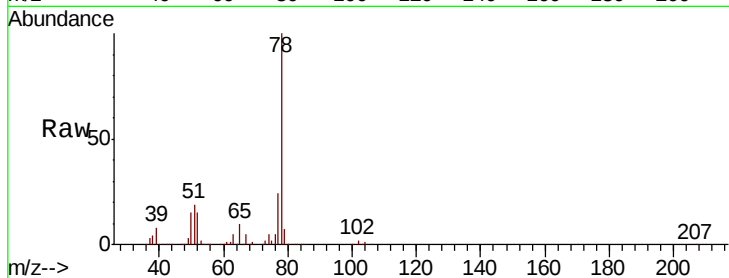
Instrument :

MSVOA_W

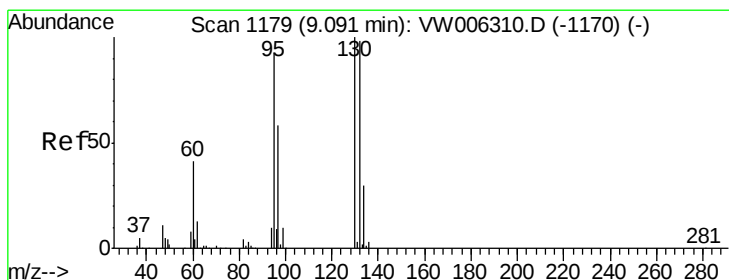
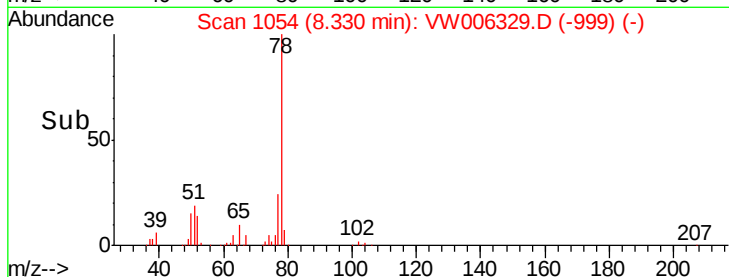
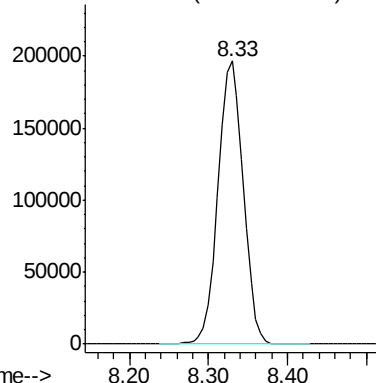
ClientSampleId :

VSTD02505

Tgt Ion: 78 Resp: 438302



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 27.066 ug/L

RT: 9.10 min Scan# 1180

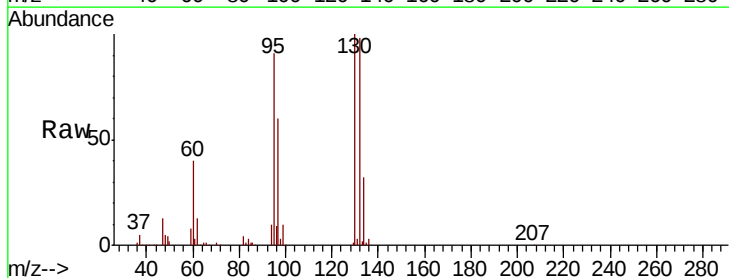
Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Tgt Ion: 95 Resp: 124462

Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.8	85.0
132	105.3	72.9	135.3
130	108.4	75.8	140.8

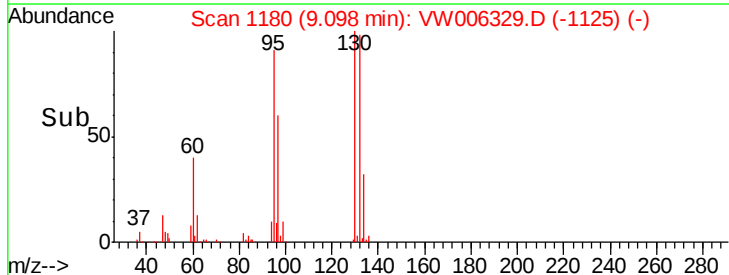
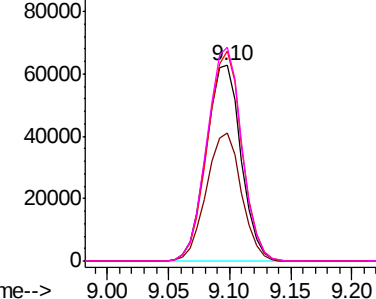


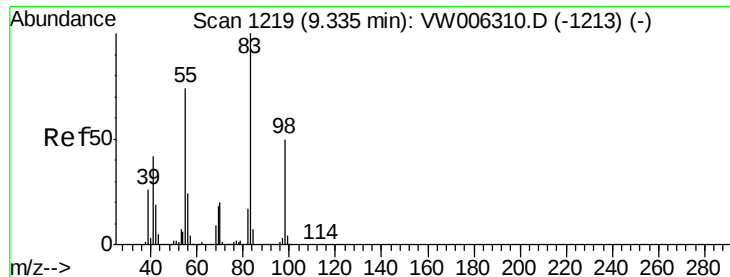
Abundance Ion 95.00 (94.70 to 95.70): VW

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

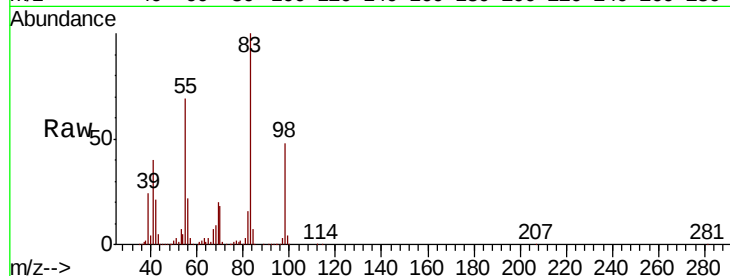




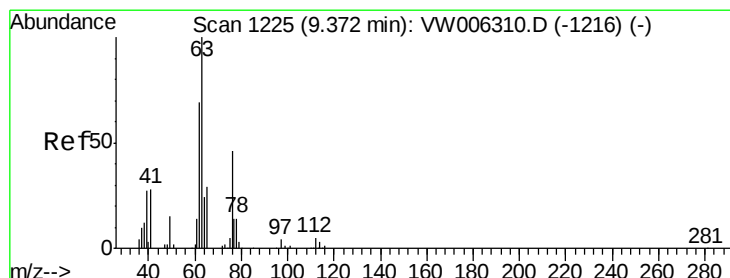
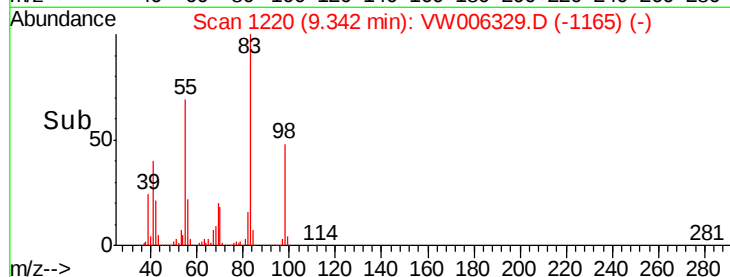
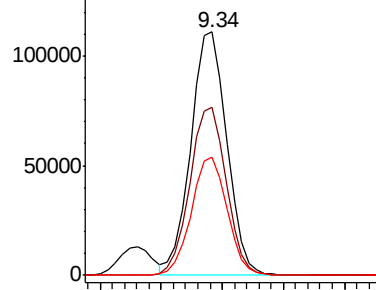
#36
Methylcyclohexane
Concen: 26.972 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW006329.D
Acq: 24 Oct 2018 19:26

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Tgt Ion: 83 Resp: 227253
Ion Ratio Lower Upper
83 100
55 69.4 57.1 85.7
98 48.1 38.9 58.3

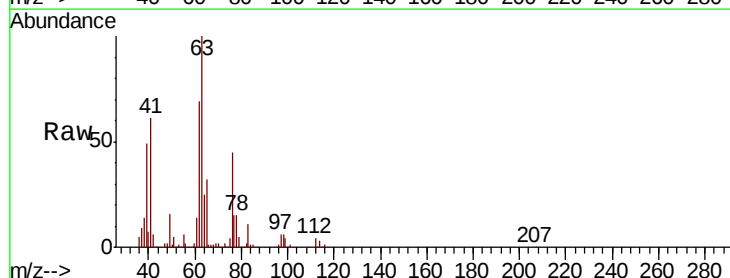


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

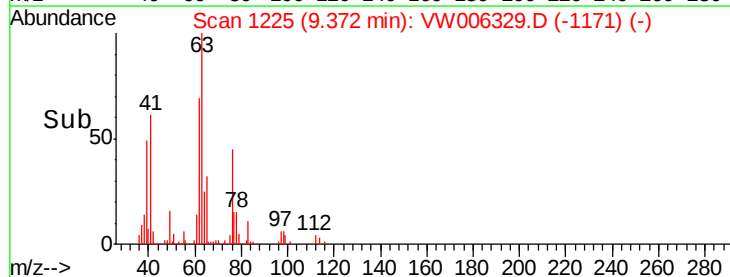
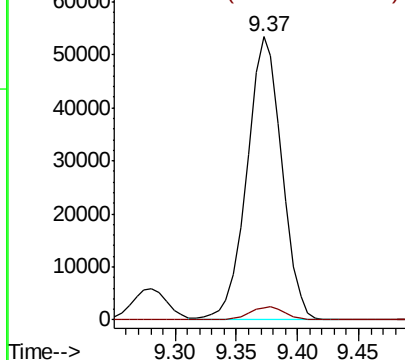


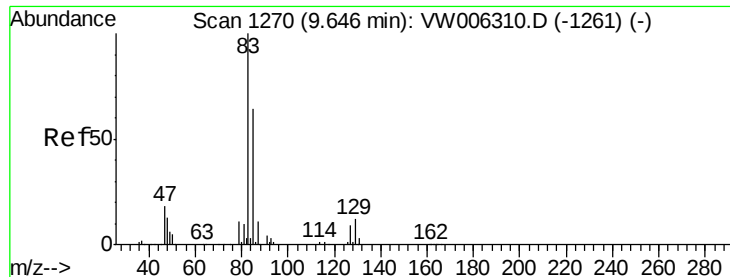
#40
1,2-Dichloropropane
Concen: 26.167 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006329.D
Acq: 24 Oct 2018 19:26

Tgt Ion: 63 Resp: 106089
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 25.530 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

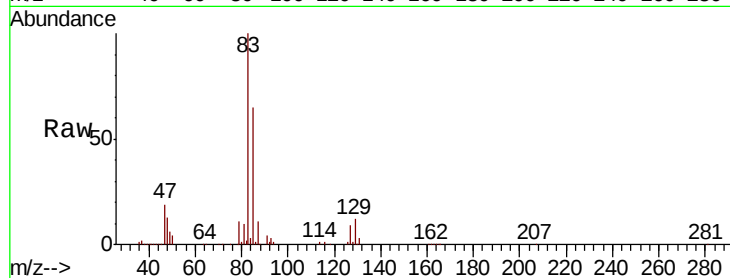
Tgt Ion: 83 Resp: 139772

Ion Ratio Lower Upper

83 100

85 64.7 45.5 84.5

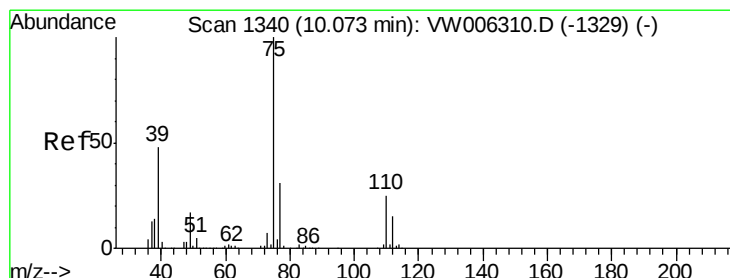
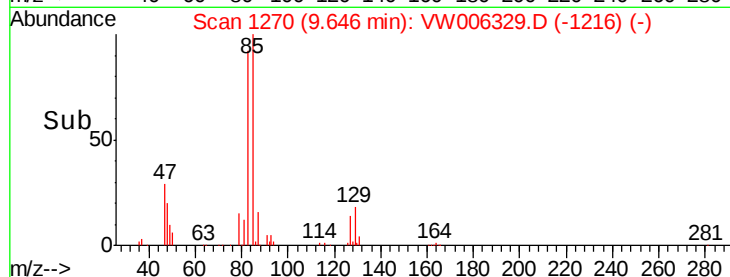
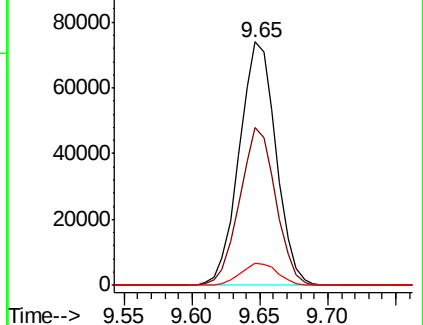
127 9.0 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 25.542 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006329.D

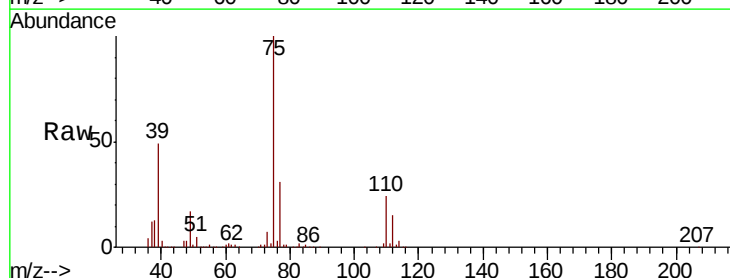
Acq: 24 Oct 2018 19:26

Tgt Ion: 75 Resp: 169139

Ion Ratio Lower Upper

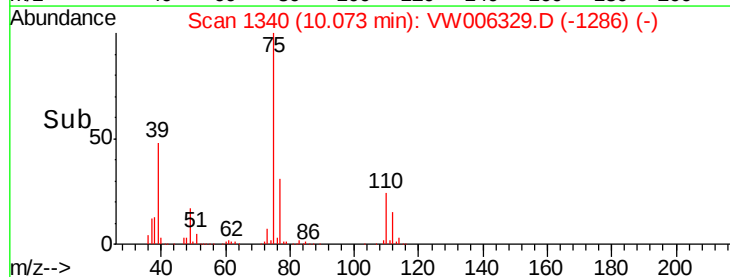
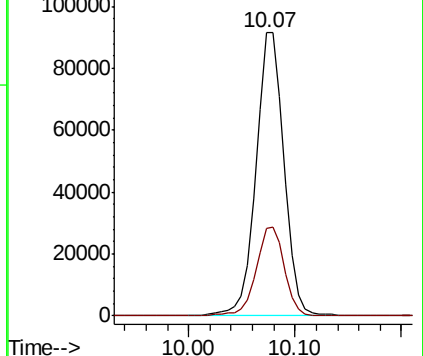
75 100

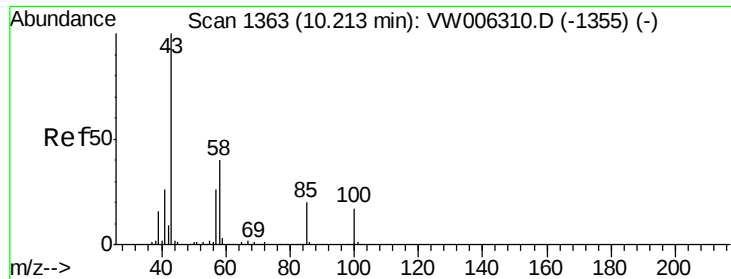
77 30.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

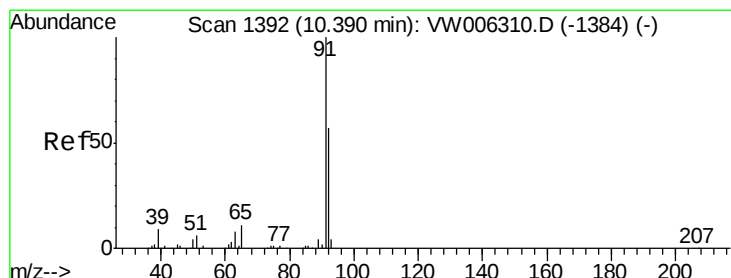
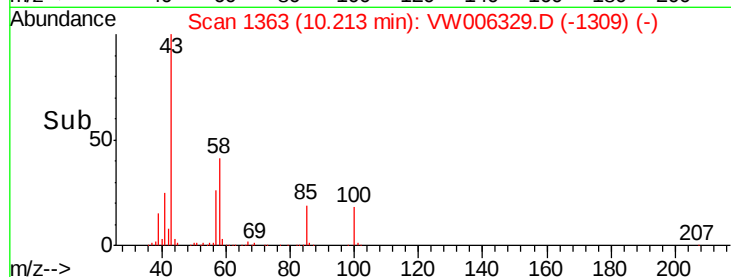
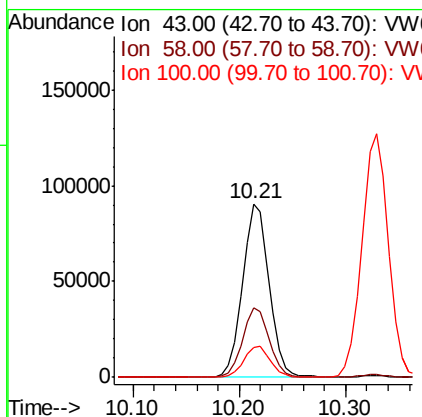
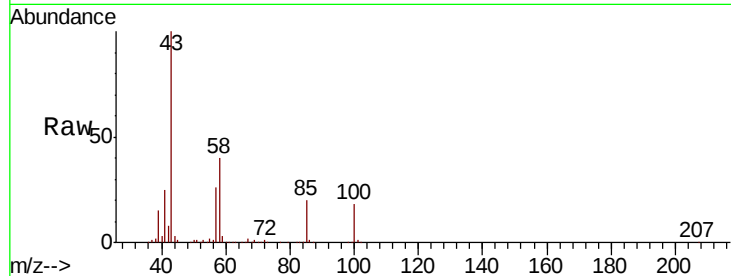




#43
 4-Methyl-2-pentanone
 Concen: 48.930 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

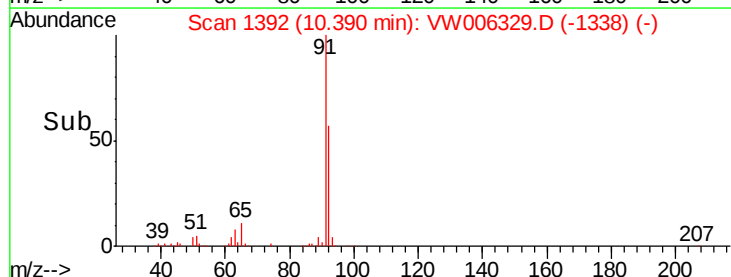
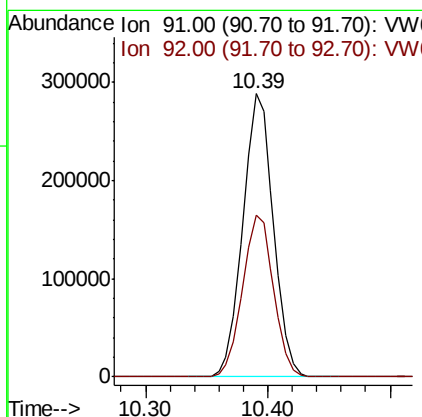
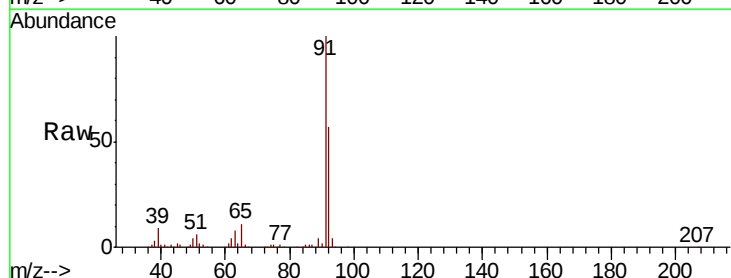
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

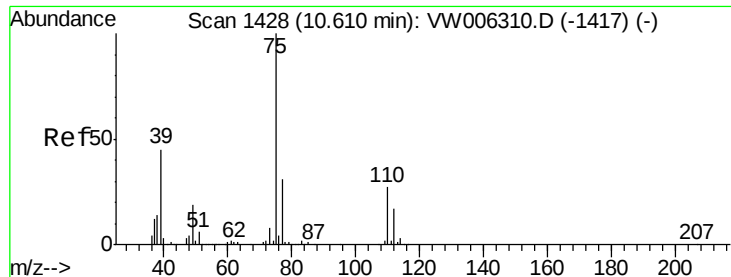
Tgt Ion: 43 Resp: 158961
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.4 47.2
 100 18.1 13.3 19.9



#44
 Toluene
 Concen: 27.122 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

Tgt Ion: 91 Resp: 497725
 Ion Ratio Lower Upper
 91 100
 92 57.1 40.4 75.0





#45

trans-1,3-Dichloropropene

Concen: 25.628 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

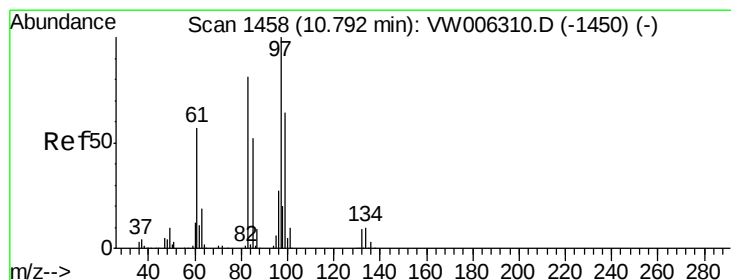
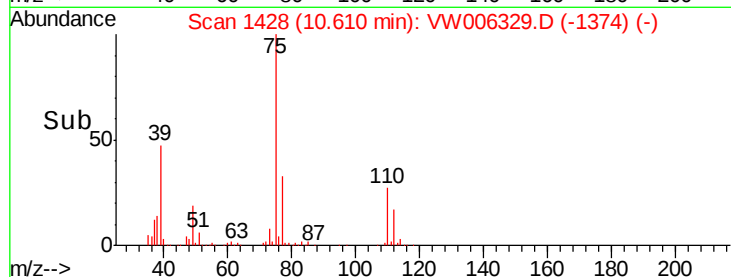
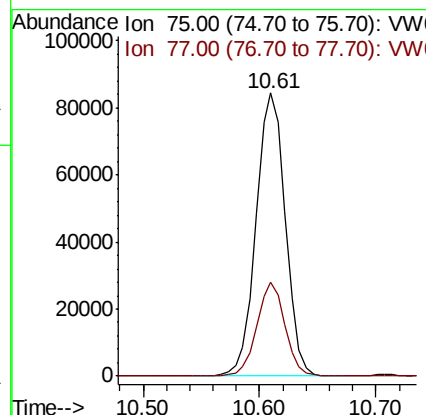
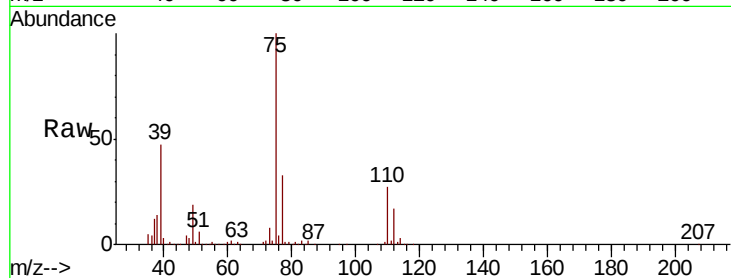
VSTD02505

Tgt Ion: 75 Resp: 148236

Ion Ratio Lower Upper

75 100

77 33.2 22.4 41.6



#46

1,1,2-Trichloroethane

Concen: 27.244 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Tgt Ion: 97 Resp: 91982

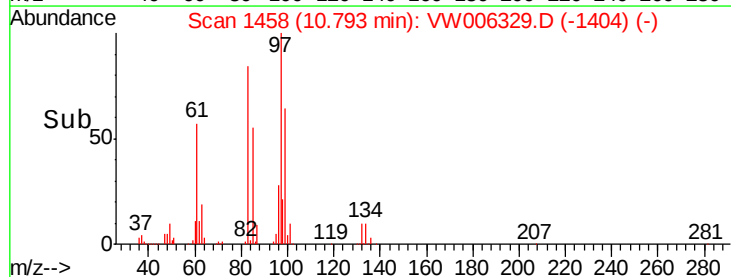
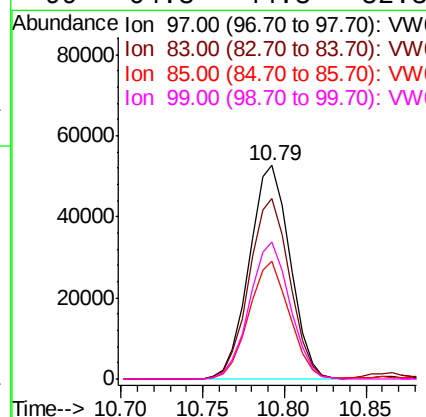
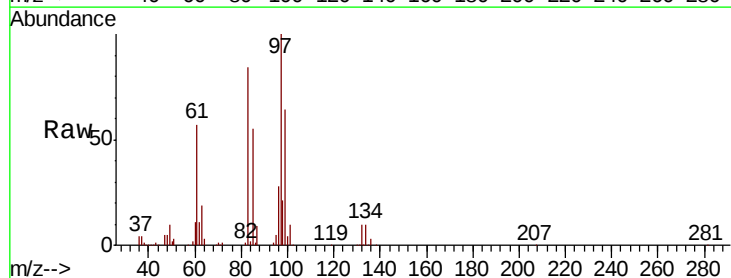
Ion Ratio Lower Upper

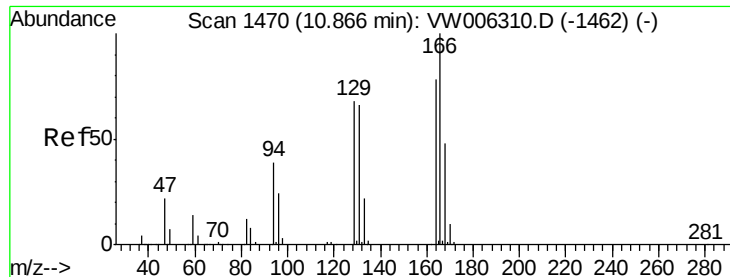
97 100

83 84.3 60.0 111.4

85 55.0 38.7 71.9

99 64.3 44.3 82.3





#47

Tetrachloroethene

Concen: 27.738 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

Tgt Ion: 164 Resp: 118071

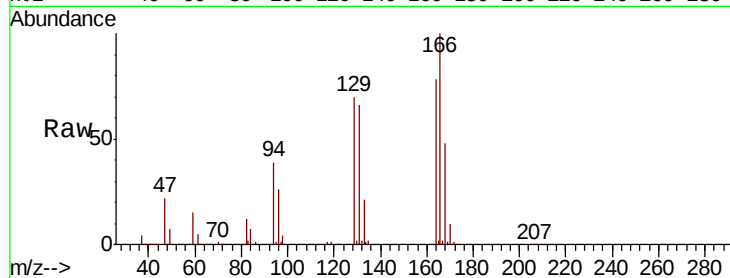
Ion Ratio Lower Upper

164 100

129 90.1 65.4 121.4

131 85.2 63.8 118.4

166 128.9 92.3 171.3

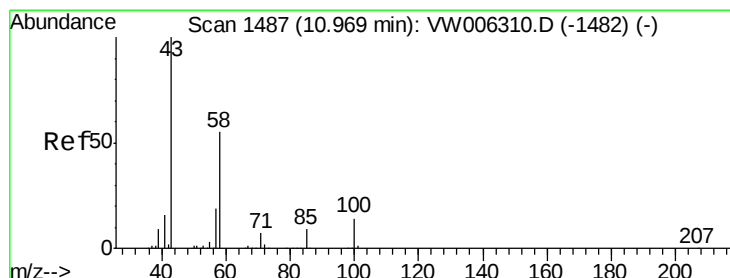
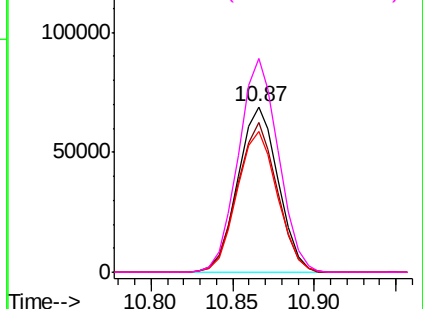
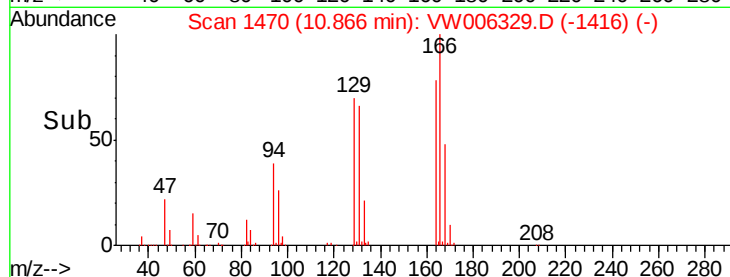


Abundance Ion 164.00 (163.70 to 164.70): V

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: 50.864 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Tgt Ion: 43 Resp: 121783

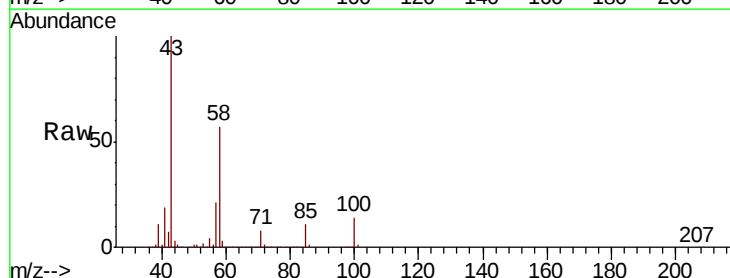
Ion Ratio Lower Upper

43 100

58 55.4 42.1 63.1

57 19.9 15.1 22.7

100 13.5 9.9 14.9

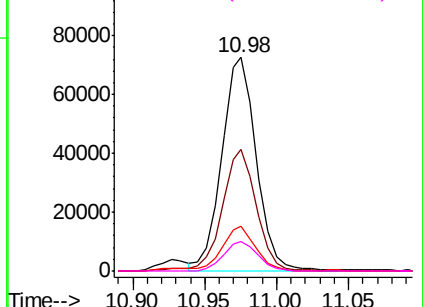
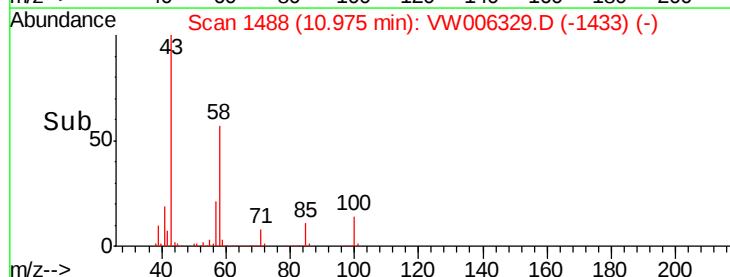


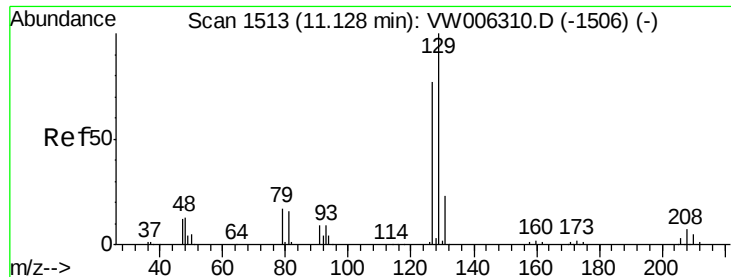
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 57.00 (56.70 to 57.70): V

Ion 100.00 (99.70 to 100.70): V





#50

Dibromochloromethane

Concen: 25.336 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

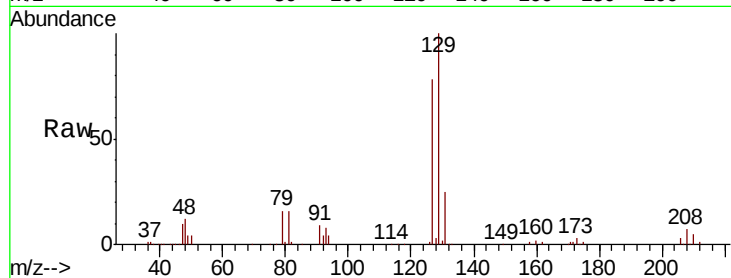
VSTD02505

Tgt Ion:129 Resp: 109639

Ion Ratio Lower Upper

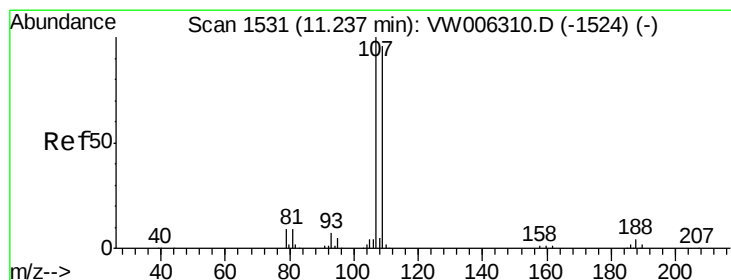
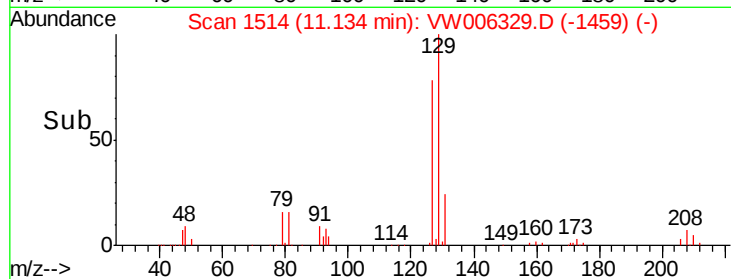
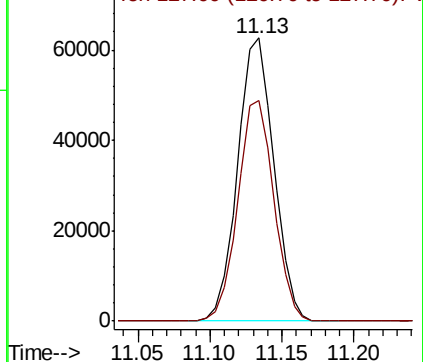
129 100

127 78.0 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 26.885 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

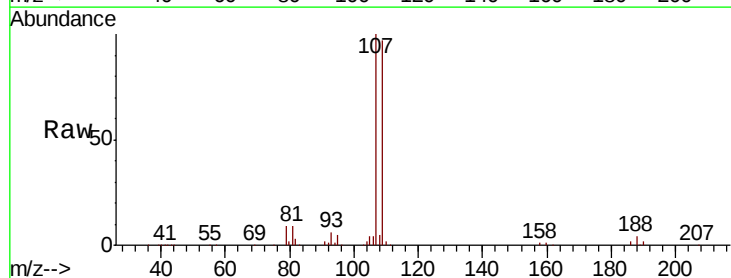
Tgt Ion:107 Resp: 94481

Ion Ratio Lower Upper

107 100

109 96.5 66.6 123.8

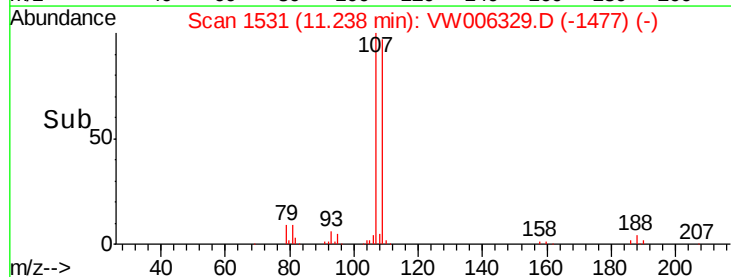
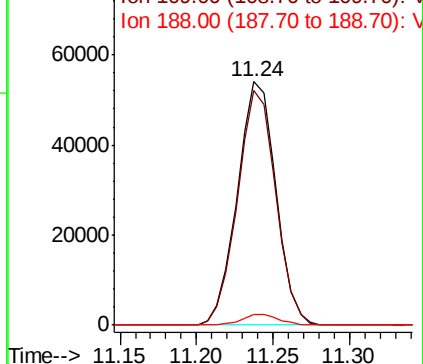
188 4.2 3.4 5.0

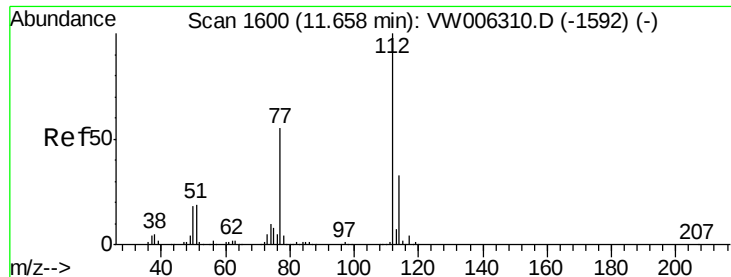


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

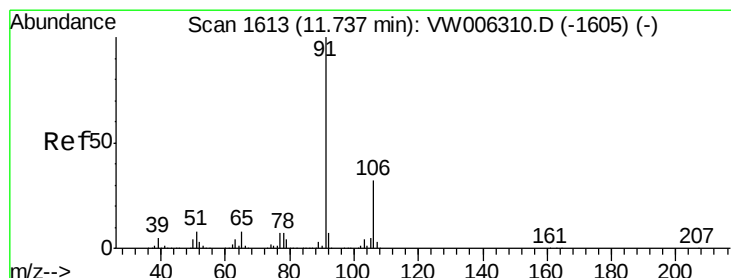
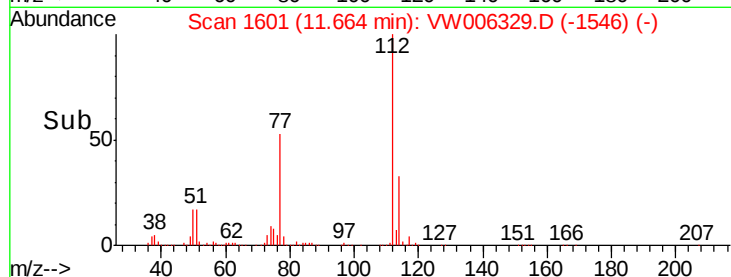
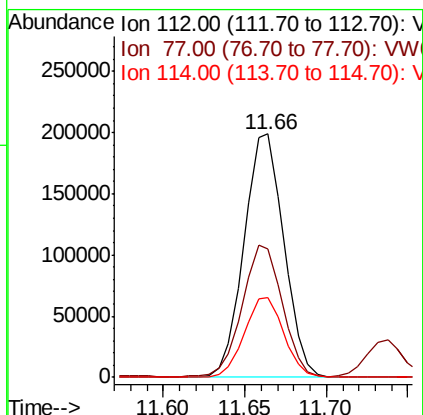
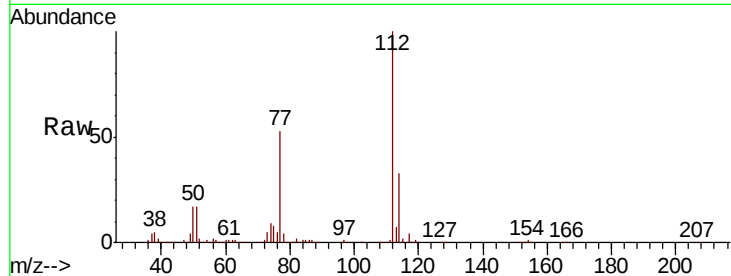




#52
Chlorobenzene
Concen: 27.334 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006329.D
Acq: 24 Oct 2018 19:26

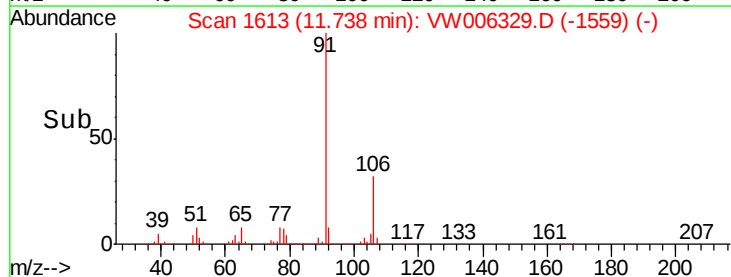
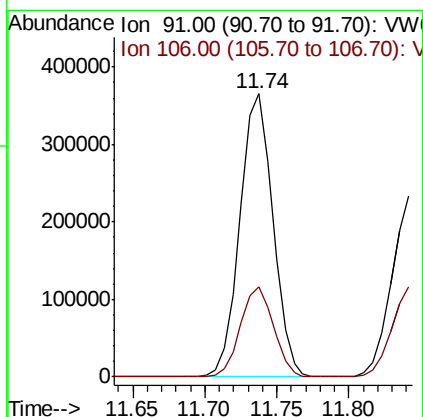
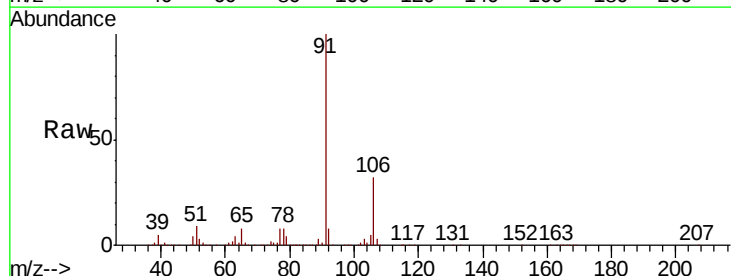
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

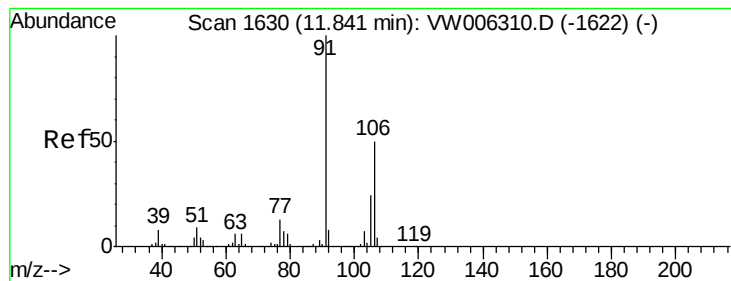
Tgt Ion: 112 Resp: 339457
Ion Ratio Lower Upper
112 100
77 52.8 44.2 66.2
114 32.6 22.1 41.1



#53
Ethylbenzene
Concen: 27.268 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006329.D
Acq: 24 Oct 2018 19:26

Tgt Ion: 91 Resp: 582562
Ion Ratio Lower Upper
91 100
106 31.9 22.6 42.0





#54

m,p-Xylene

Concen: 27.248 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampled :

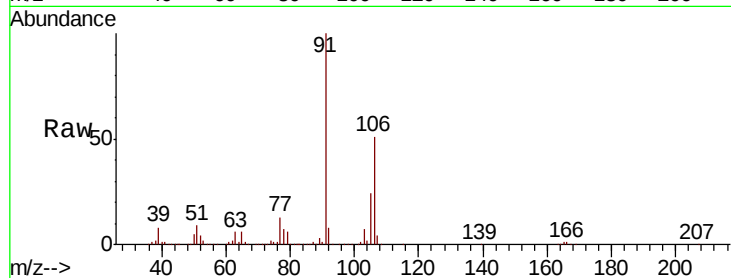
VSTD02505

Tgt Ion:106 Resp: 228185

Ion Ratio Lower Upper

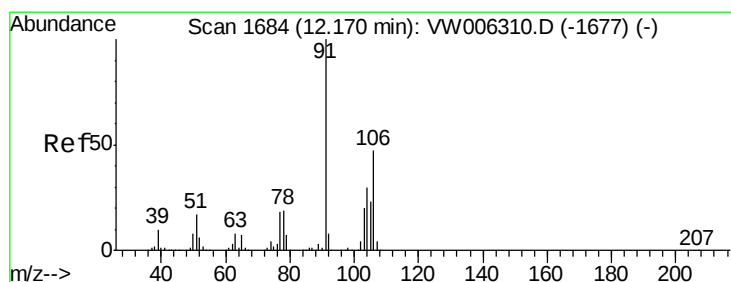
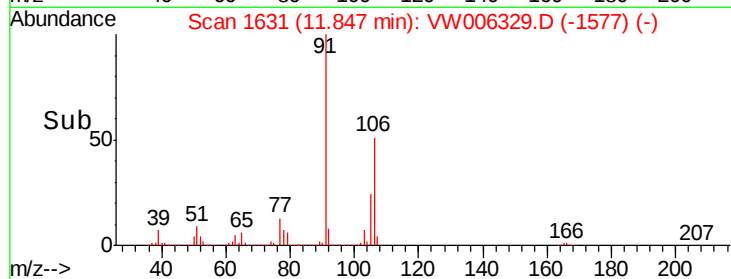
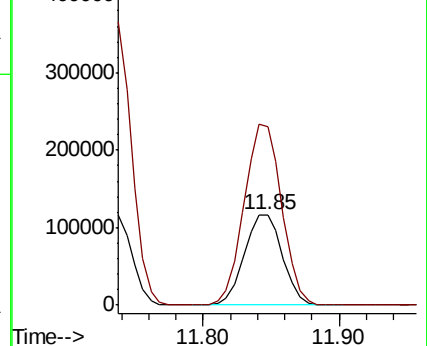
106 100

91 197.0 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 27.090 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW006329.D

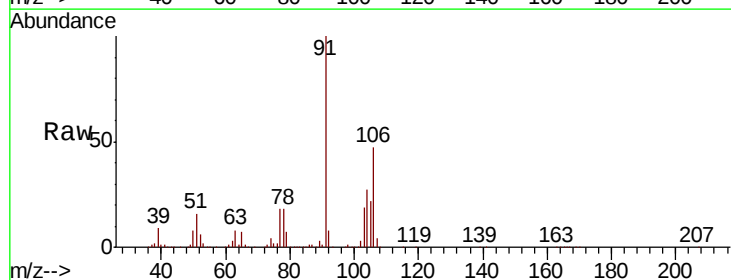
Acq: 24 Oct 2018 19:26

Tgt Ion:106 Resp: 216612

Ion Ratio Lower Upper

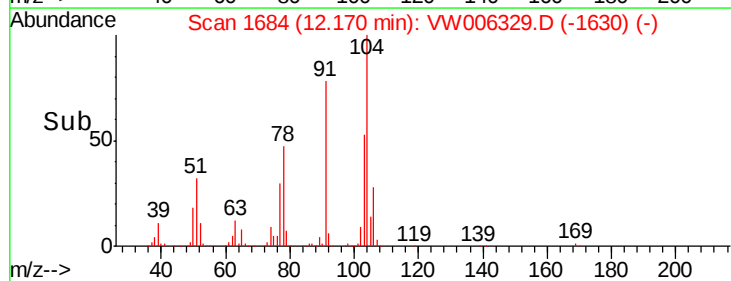
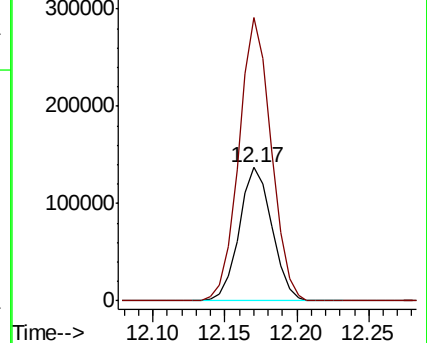
106 100

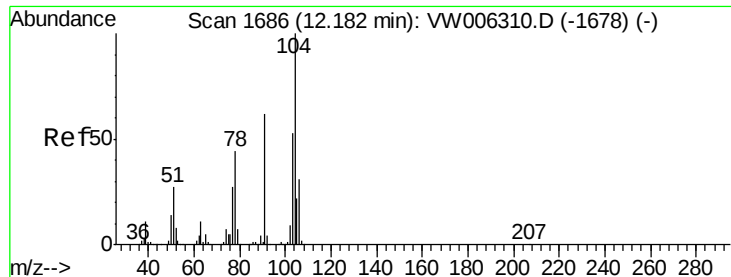
91 212.4 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 26.709 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

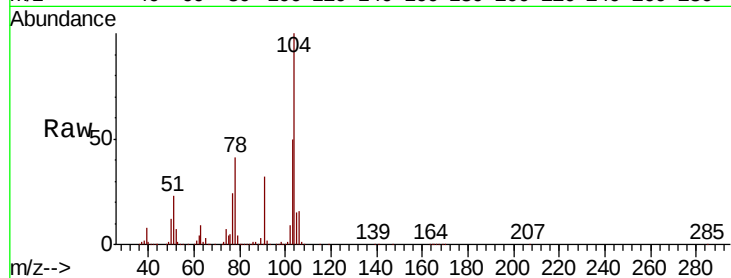
VSTD02505

Tgt Ion:104 Resp: 367778

Ion Ratio Lower Upper

104 100

78 41.4 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.19

250000

200000

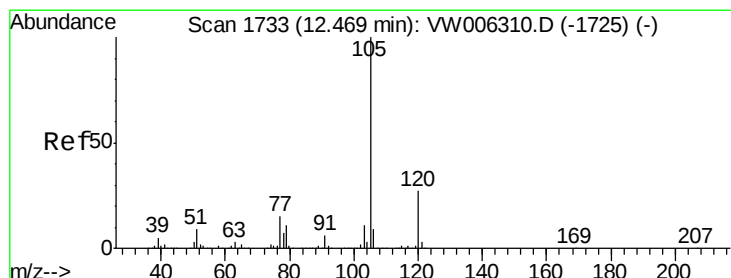
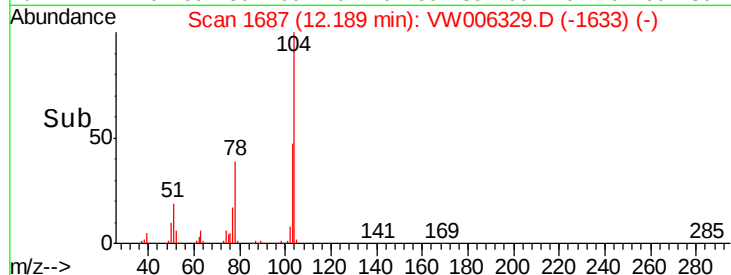
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 27.428 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

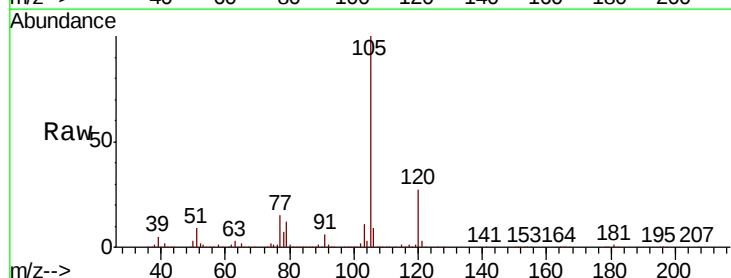
Tgt Ion:105 Resp: 610231

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 14.9 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

12.47

500000

400000

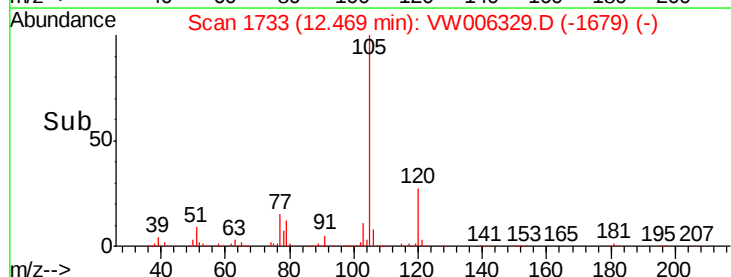
300000

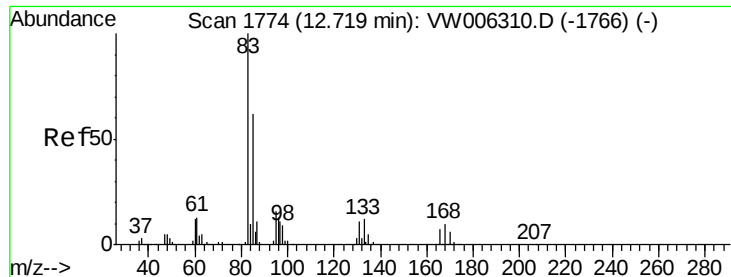
200000

100000

0

Time-->

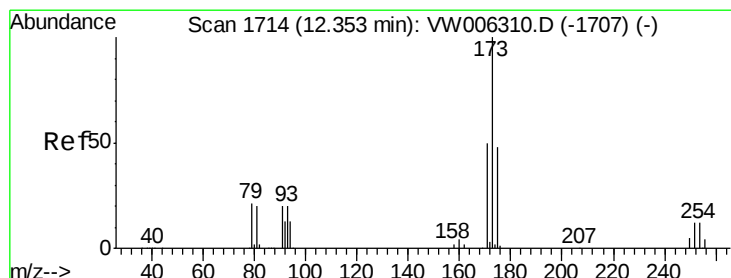
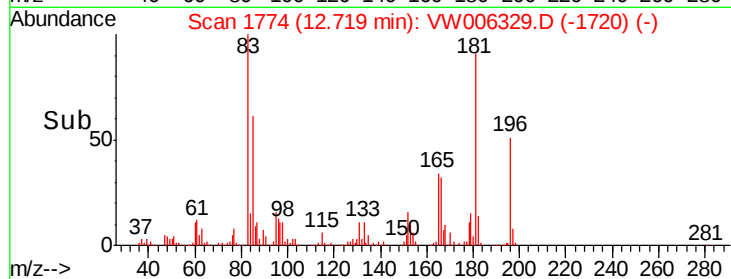
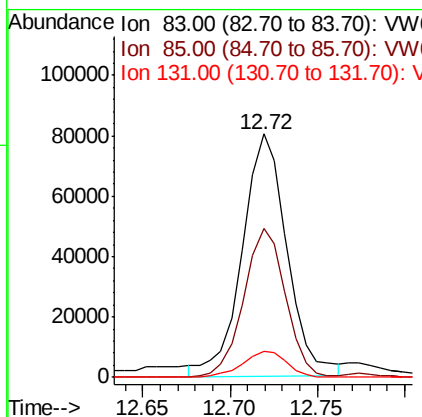
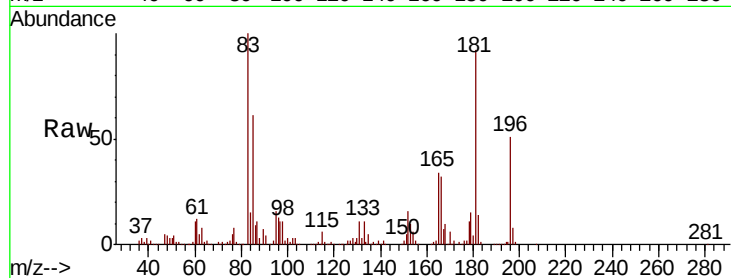




#58
 1,1,2,2-Tetrachloroethane
 Concen: 32.687 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

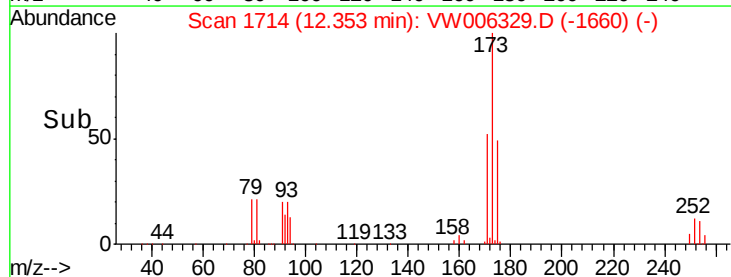
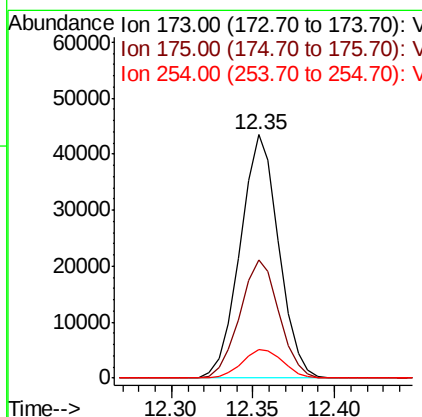
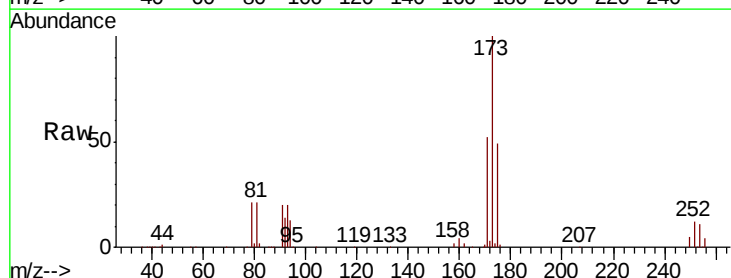
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

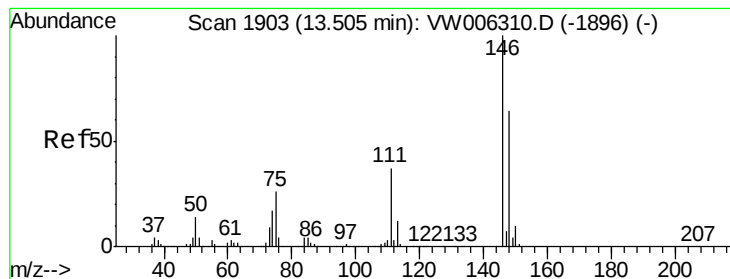
Tgt Ion: 83 Resp: 143411
 Ion Ratio Lower Upper
 83 100
 85 61.4 44.8 83.2
 131 10.5 9.0 13.4



#62
 Bromoform
 Concen: 23.998 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

Tgt Ion: 173 Resp: 71453
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.1 58.7
 254 12.4 9.2 13.8





#63

1,3-Dichlorobenzene

Concen: 27.656 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

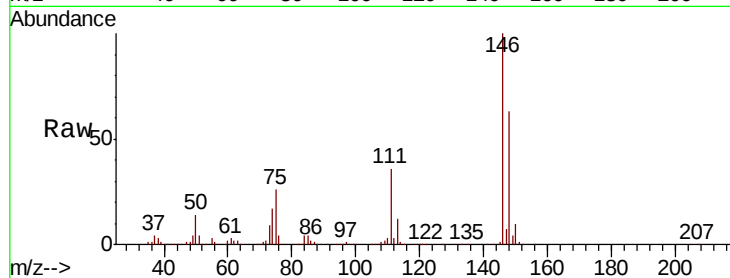
Tgt Ion:146 Resp: 301800

Ion Ratio Lower Upper

146 100

111 36.4 26.3 48.9

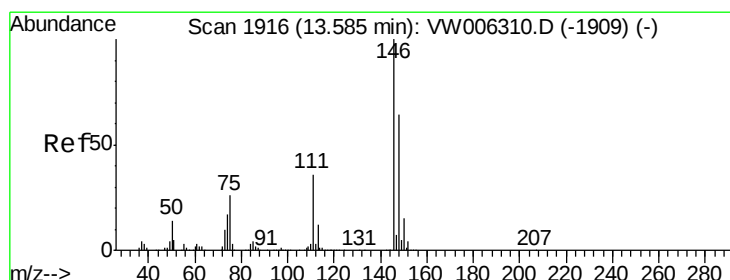
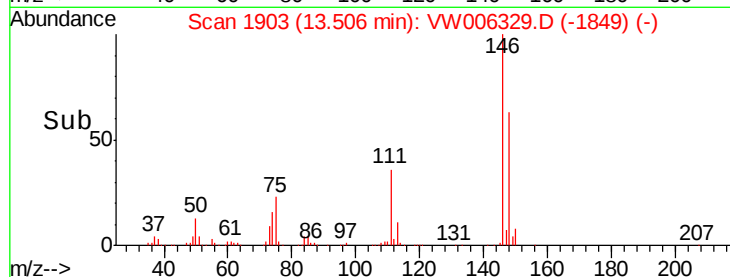
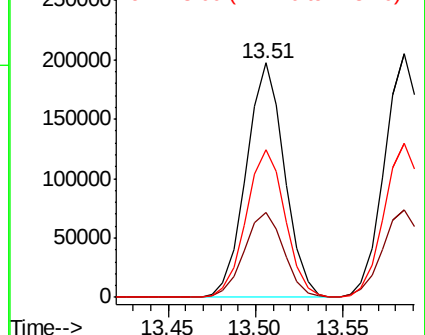
148 62.7 44.7 82.9



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



#64

1,4-Dichlorobenzene

Concen: 28.823 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

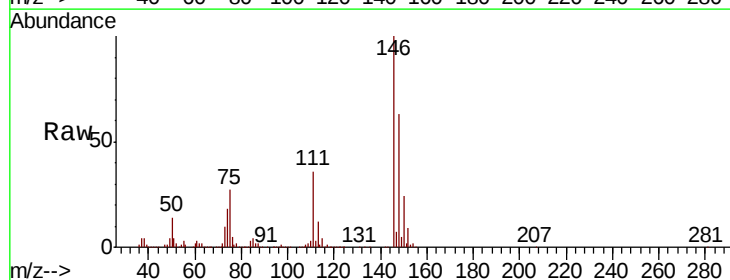
Tgt Ion:146 Resp: 316738

Ion Ratio Lower Upper

146 100

111 35.8 24.7 45.9

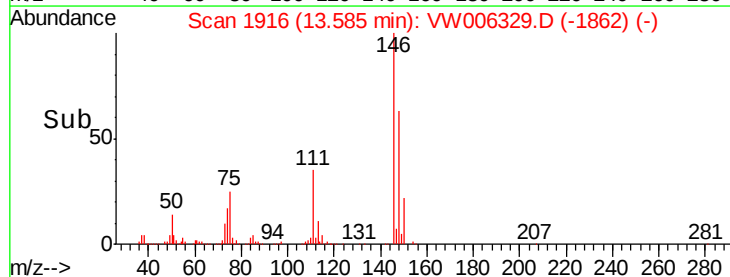
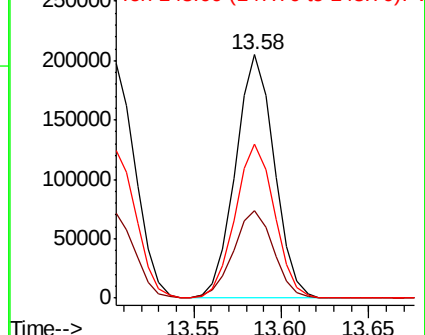
148 63.4 44.9 83.5

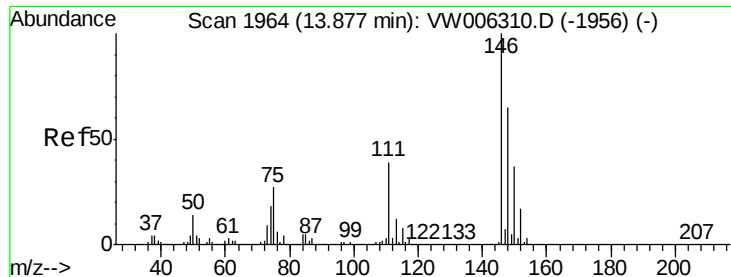


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 27.659 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

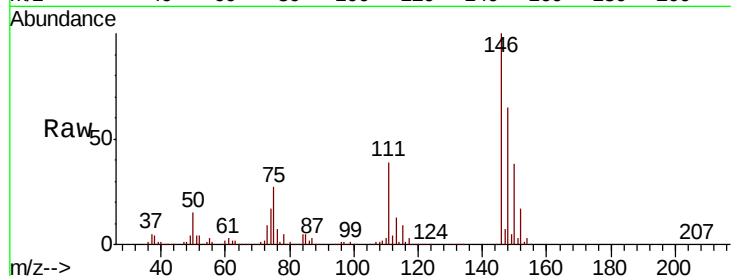
Tgt Ion:146 Resp: 277663

Ion Ratio Lower Upper

146 100

111 39.2 31.1 46.7

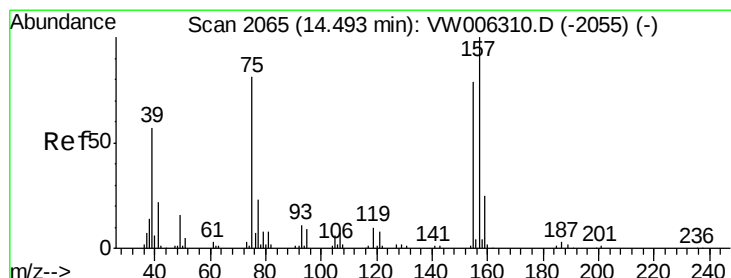
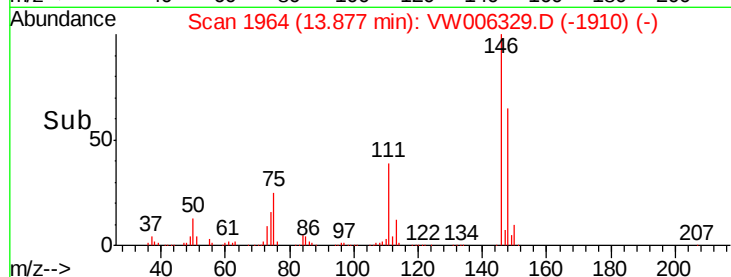
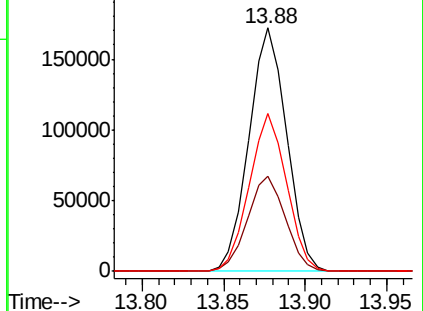
148 64.8 51.2 76.8



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: 33.039 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

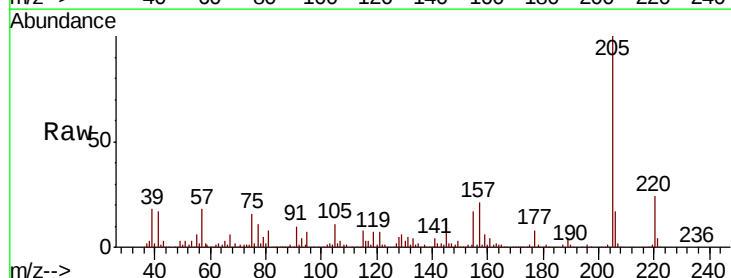
Tgt Ion: 75 Resp: 26697

Ion Ratio Lower Upper

75 100

157 133.7 106.8 160.2

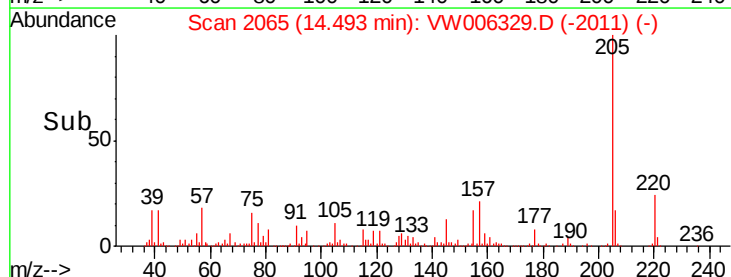
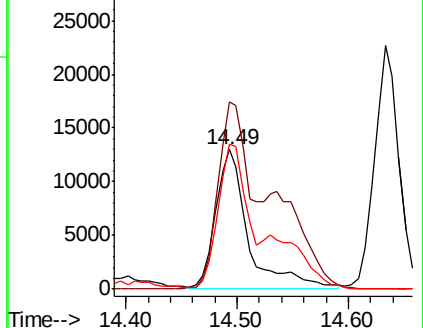
155 103.5 79.2 118.8

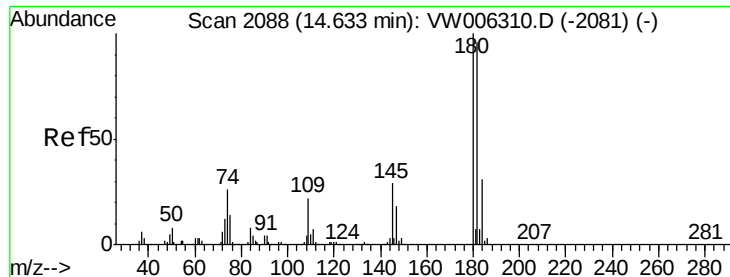


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

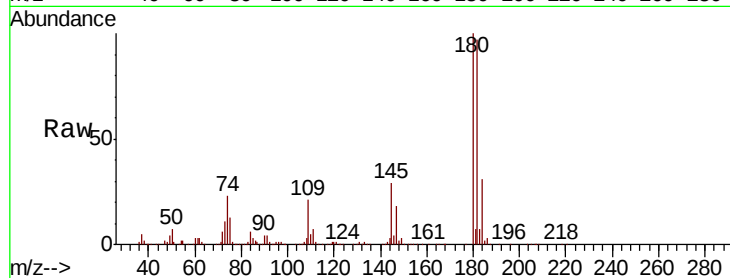




#67
 1,3,5-Trichlorobenzene
 Concen: 28.319 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
184	30.9	24.3	36.5
145	28.3	22.6	33.8



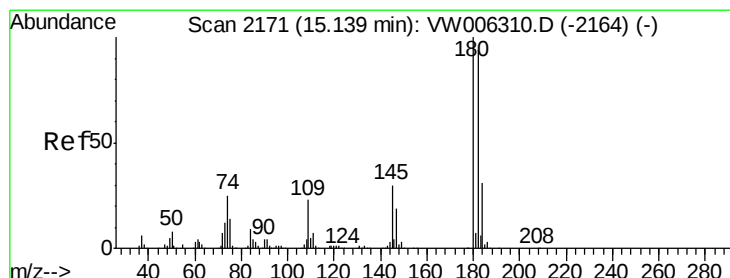
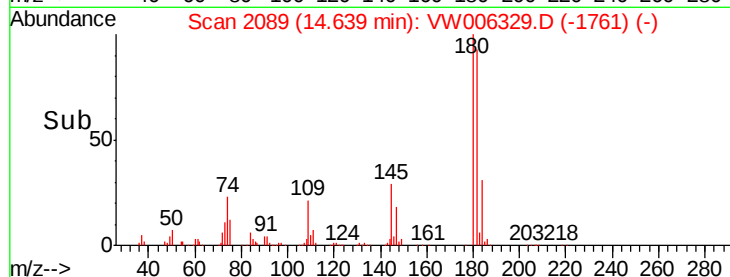
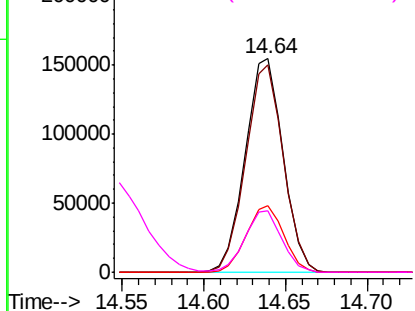
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

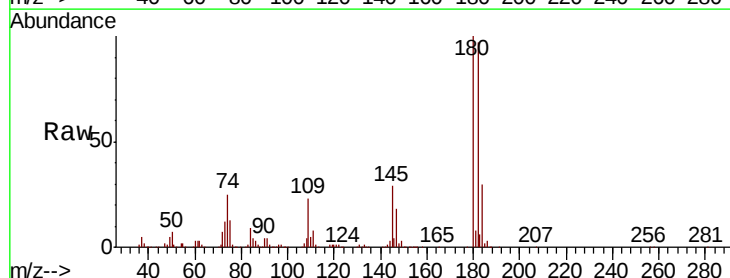
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 39.210 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006329.D
 Acq: 24 Oct 2018 19:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.2
145	28.3	23.0	34.6

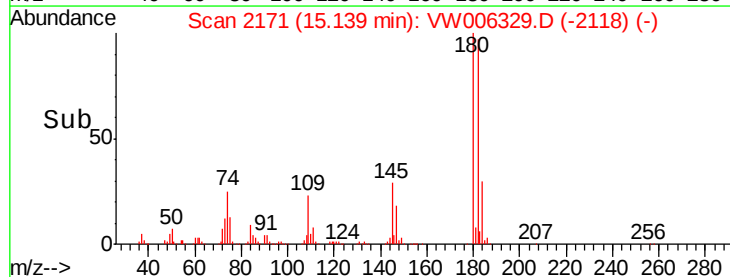
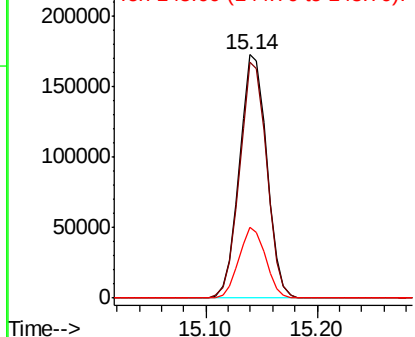


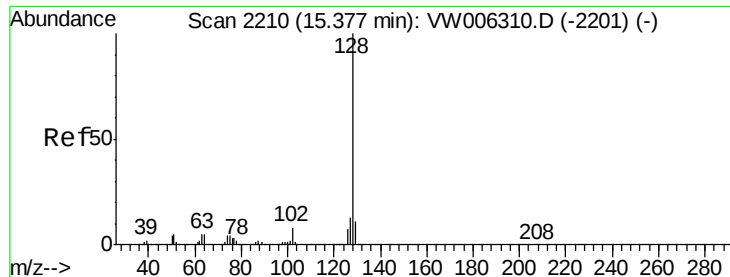
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.039 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

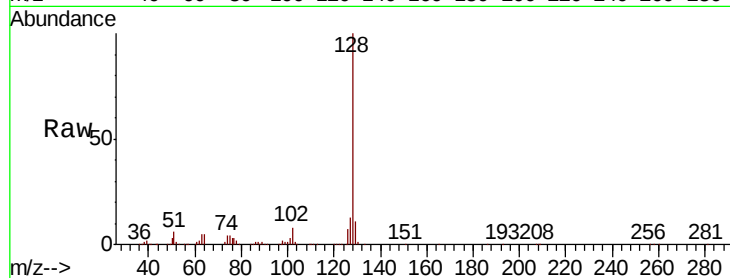
Tgt Ion:128 Resp: 440993

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

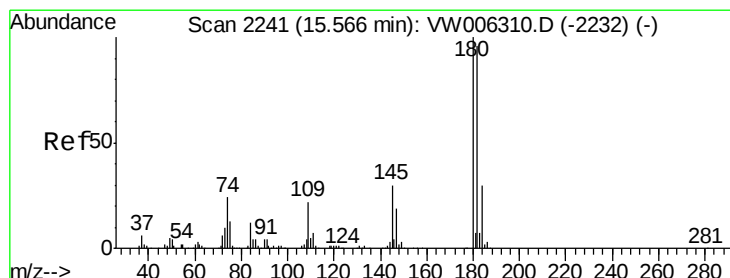
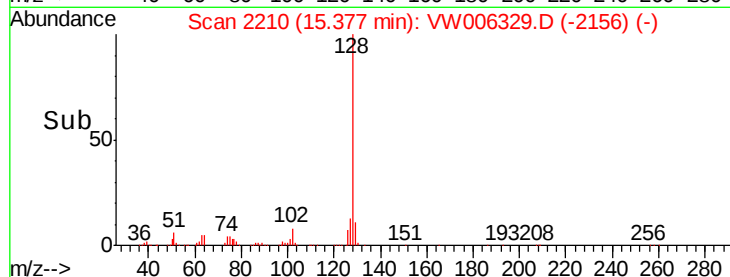
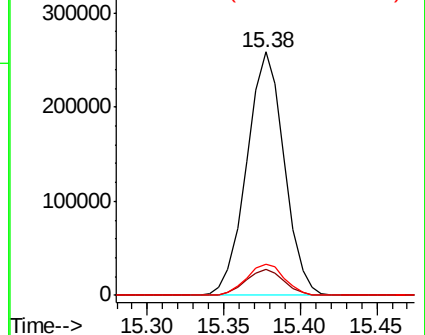
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 31.005 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006329.D

Acq: 24 Oct 2018 19:26

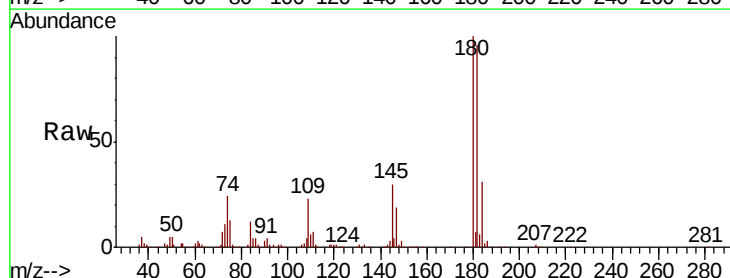
Tgt Ion:180 Resp: 208922

Ion Ratio Lower Upper

180 100

182 95.1 75.5 113.3

145 29.9 24.5 36.7



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

