

Data File : VW010933.D
Acq On : 24 Jun 2019 16:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Jun 25 02:21:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 11:05:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402160	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364817	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	126538	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
7) Chloroethane-d5	2.89	69	96204	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
10) 1,1-Dichloroethene-d2	4.03	63	297978	24.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.76%
20) 2-Butanone-d5	7.07	46	112168	45.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.64%
24) Chloroform-d	7.65	84	257678	23.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	8.30	65	158792	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	520738	23.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.12%
33) 1,2-Dichloropropane-d6	9.27	67	172159	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.32	98	474951	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.58	79	74543	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.08%
39) 2-Hexanone-d5	10.93	63	75038	46.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141391	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	160691	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	141346	25.004	ug/L	100
3) Chloromethane	2.21	50	142037	23.632	ug/L	98
5) Vinyl chloride	2.36	62	185157	25.766	ug/L	99
6) Bromomethane	2.78	94	86660	24.432	ug/L	100
8) Chloroethane	2.92	64	94962	24.952	ug/L	98
9) Trichlorofluoromethane	3.24	101	56797	23.404	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	139890	24.803	ug/L	99
12) 1,1-Dichloroethene	4.04	96	139477	24.777	ug/L	93
13) Acetone	4.12	43	110248	47.029	ug/L	99
14) Carbon disulfide	4.38	76	409571	24.574	ug/L	100
15) Methyl Acetate	4.67	43	96138	23.691	ug/L	100
16) Methylene chloride	4.92	84	148769	24.978	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	212764	24.140	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	138360	24.443	ug/L	97
19) 1,1-Dichloroethane	6.21	63	280681	24.277	ug/L	99
21) 2-Butanone	7.16	43	148239	48.083	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	149764	24.589	ug/L	99

Data File : VW010933.D
Acq On : 24 Jun 2019 16:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Jun 25 02:21:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 11:05:49 2019
Response via : Initial Calibration

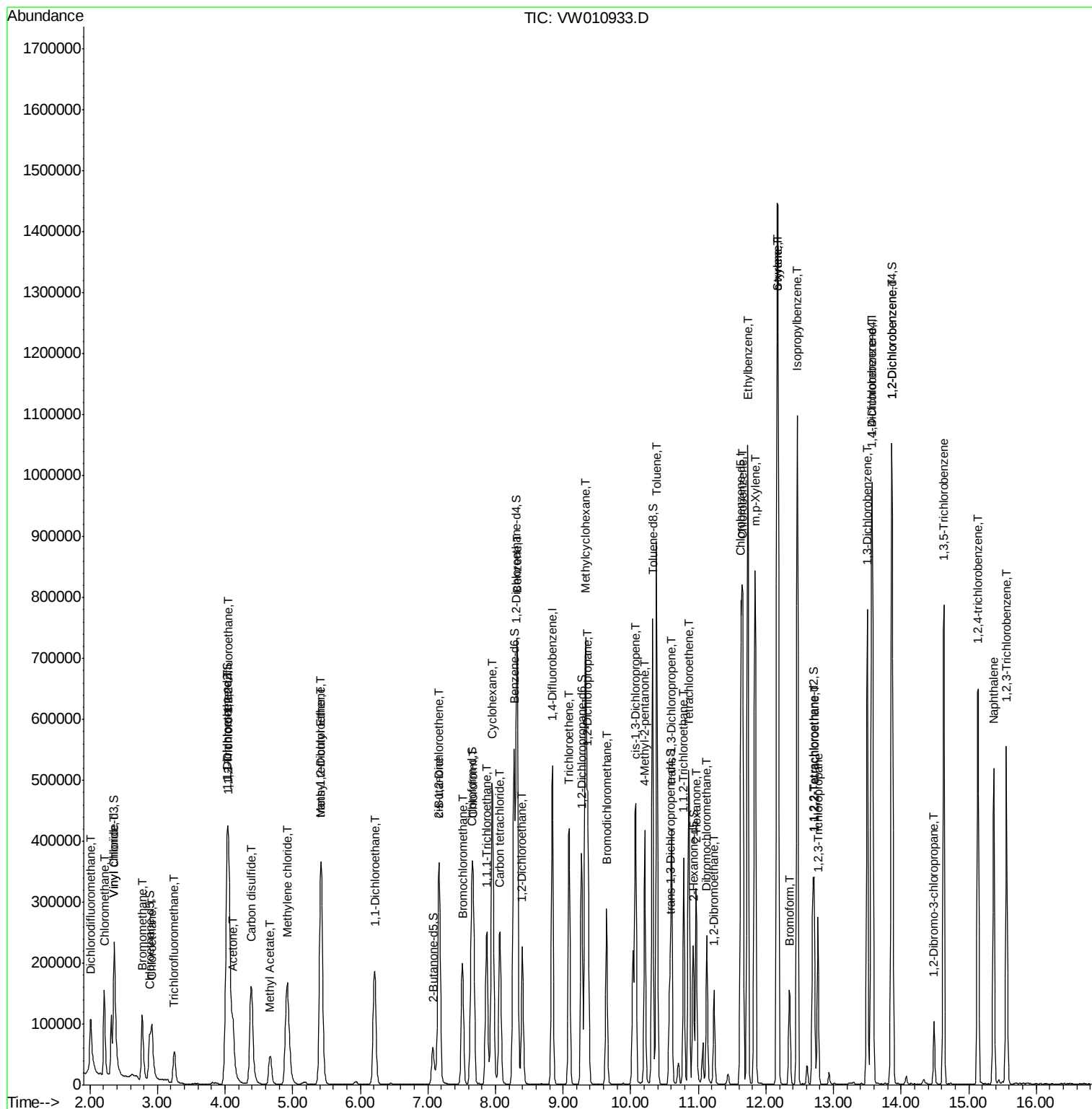
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61247	23.644	ug/L	98
25) Chloroform	7.67	83	259652	24.478	ug/L	100
27) 1,2-Dichloroethane	8.40	62	201970	24.298	ug/L	99
30) Cyclohexane	7.95	56	297658	24.674	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196085	24.714	ug/L	100
32) Carbon tetrachloride	8.07	117	186461	24.880	ug/L	98
34) Benzene	8.32	78	590729	24.641	ug/L	100
35) Trichloroethene	9.09	95	148721	24.463	ug/L	100
36) Methylcyclohexane	9.34	83	275203	24.662	ug/L	100
40) 1,2-Dichloropropane	9.37	63	160789	24.368	ug/L	99
41) Bromodichloromethane	9.64	83	189754	24.505	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	250548	24.684	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	286560	46.799	ug/L	100
44) Toluene	10.39	91	616929	24.610	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	206038	24.555	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	108458	23.984	ug/L	99
47) Tetrachloroethene	10.86	164	112148	24.324	ug/L	97
49) 2-Hexanone	10.97	43	219772	50.449	ug/L	99
50) Dibromochloromethane	11.13	129	121047	24.310	ug/L	99
51) 1,2-Dibromoethane	11.24	107	104870	23.980	ug/L	100
52) Chlorobenzene	11.66	112	372281	24.679	ug/L	99
53) Ethylbenzene	11.73	91	704667	24.951	ug/L	99
54) m,p-Xylene	11.84	106	255367	24.918	ug/L	99
55) o-xylene	12.16	106	245736	24.988	ug/L	100
56) Styrene	12.18	104	423759	24.988	ug/L	99
57) Isopropylbenzene	12.46	105	673893	25.259	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	142973	24.180	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	110202	24.004	ug/L	99
62) Bromoform	12.35	173	68511	23.520	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	287252	24.245	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	293258	24.641	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	266213	24.294	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	25605	22.836	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	226660	25.134	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	197022	25.779	ug/L	100
69) Naphthalene	15.37	128	416248	25.522	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	178823	25.758	ug/L	99

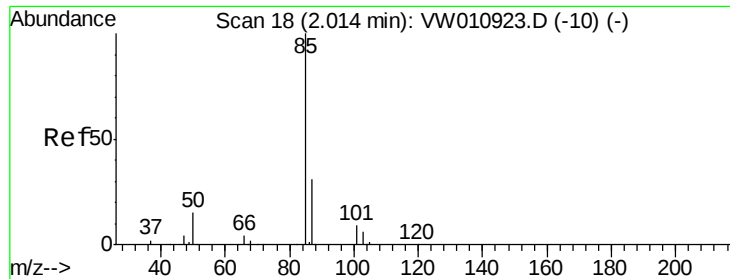
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010933.D
Acq On : 24 Jun 2019 16:28
Operator : SY/VA
Sample : VSTDCCC025
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Jun 25 02:21:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 11:05:49 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.004 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

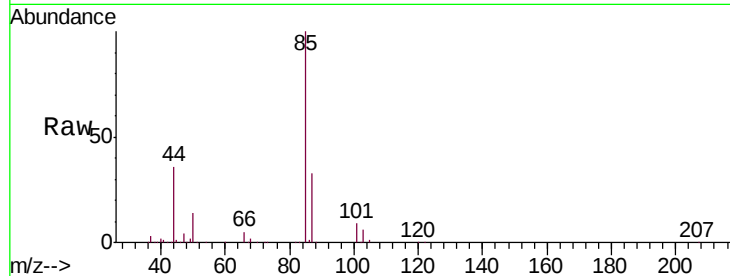
VSTD02527

Tgt Ion: 85 Resp: 141346

Ion Ratio Lower Upper

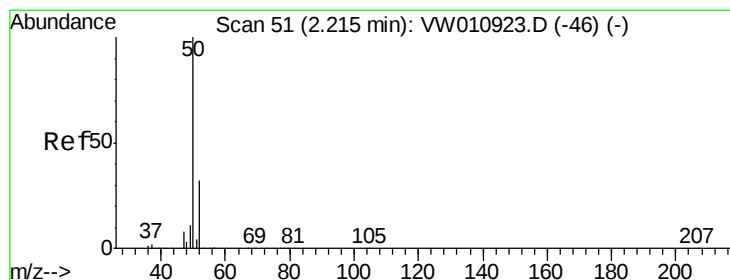
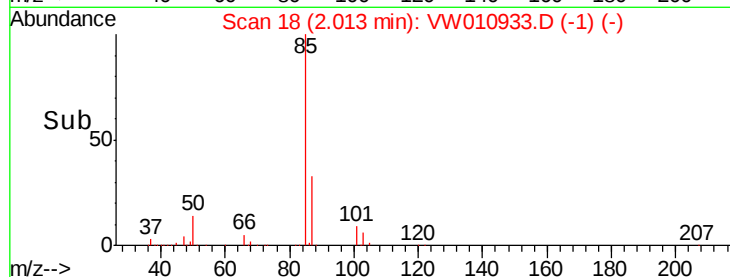
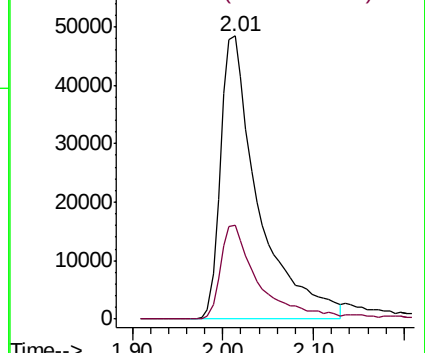
85 100

87 31.4 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.632 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010933.D

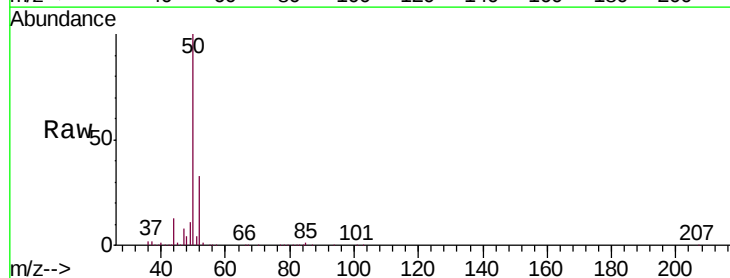
Acq: 24 Jun 2019 16:28

Tgt Ion: 50 Resp: 142037

Ion Ratio Lower Upper

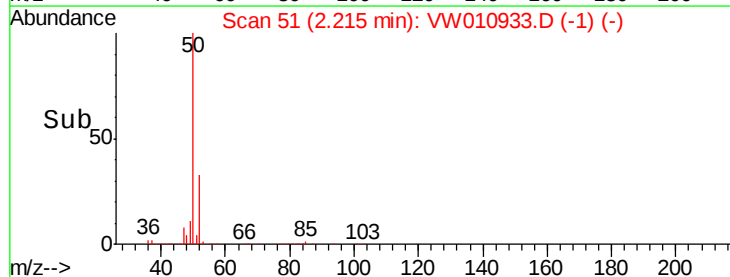
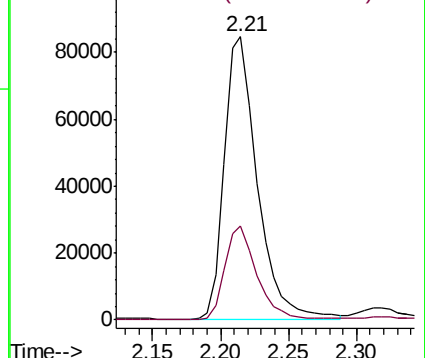
50 100

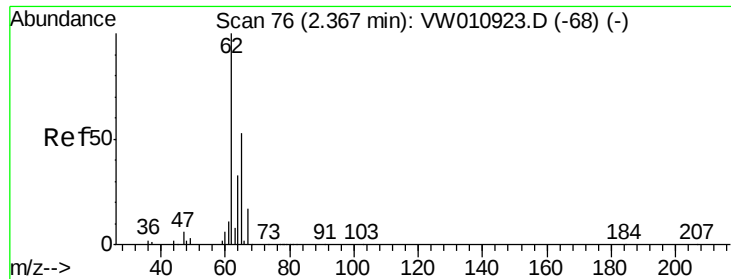
52 33.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.766 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

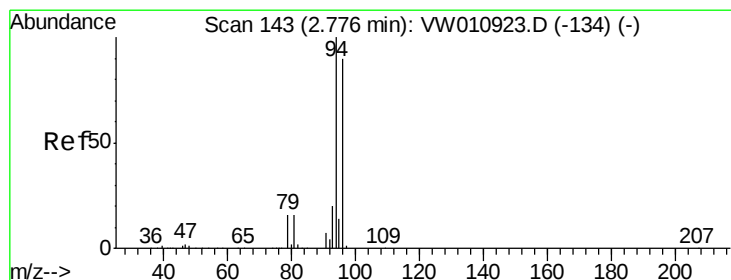
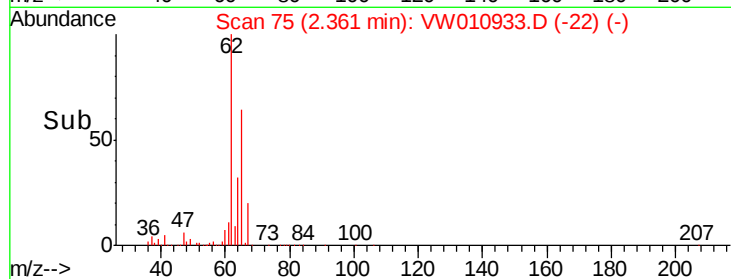
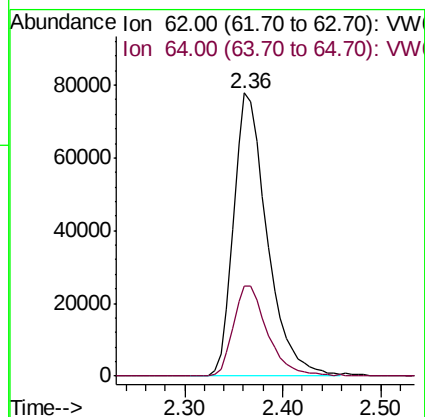
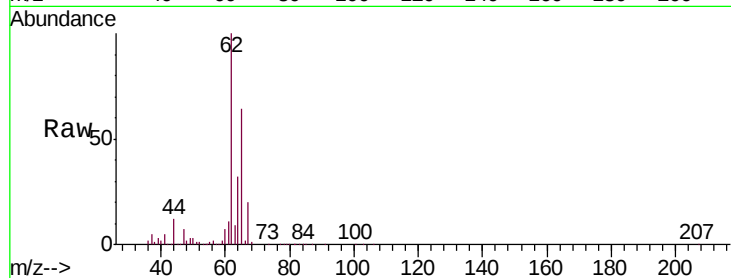
VSTD02527

Tgt Ion: 62 Resp: 185157

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



#6

Bromomethane

Concen: 24.432 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010933.D

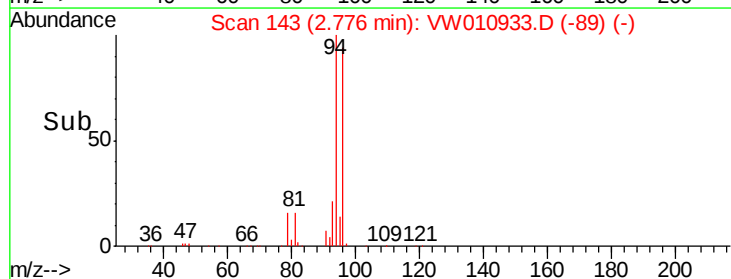
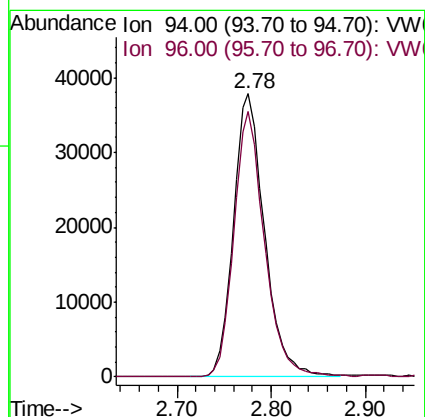
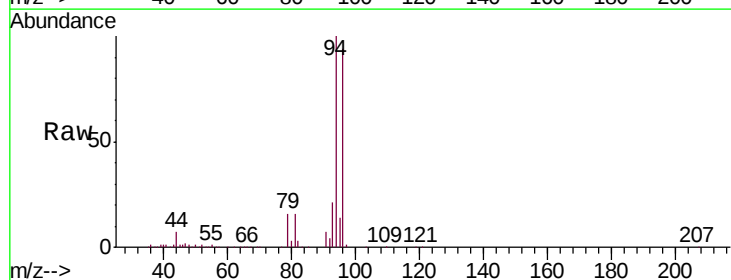
Acq: 24 Jun 2019 16:28

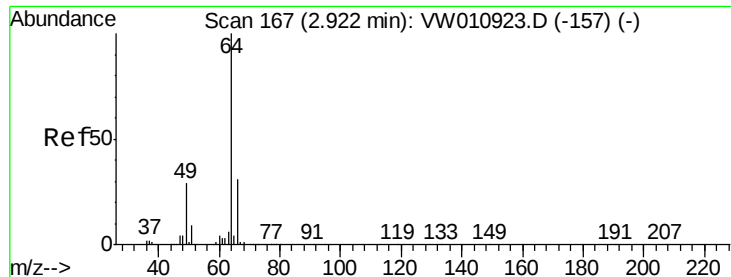
Tgt Ion: 94 Resp: 86660

Ion Ratio Lower Upper

94 100

96 92.3 9.2 175.8

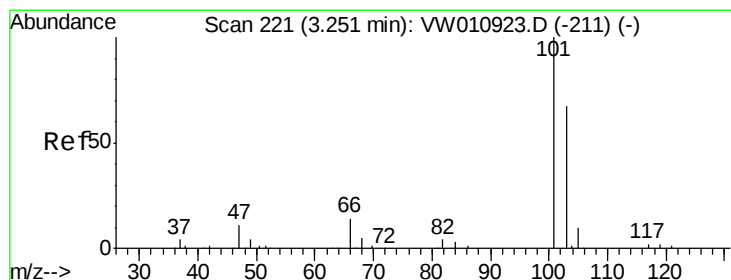
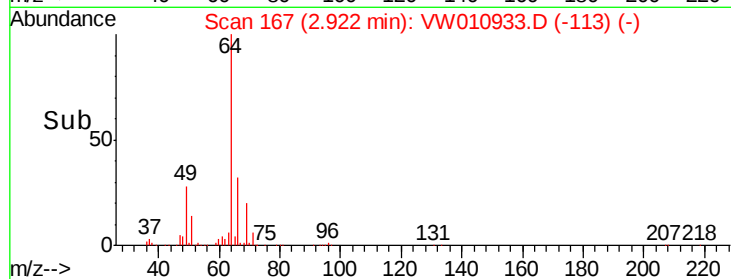
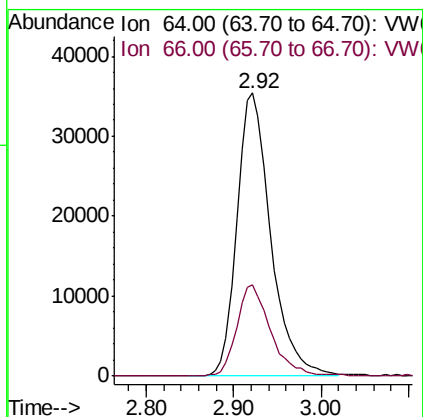
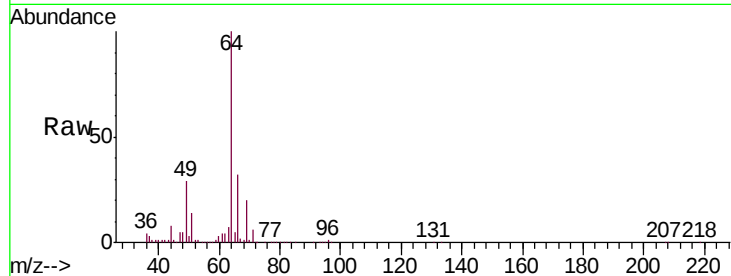




#8
Chloroethane
Concen: 24.952 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

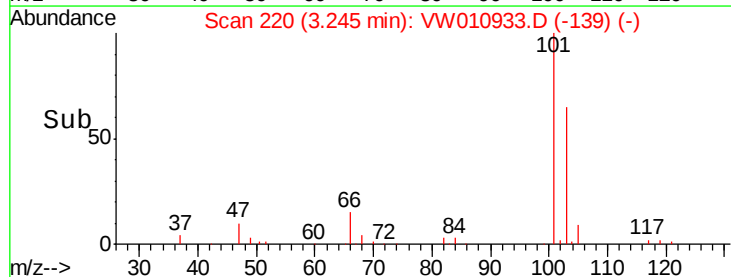
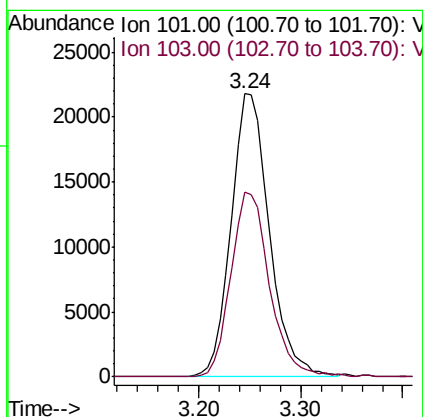
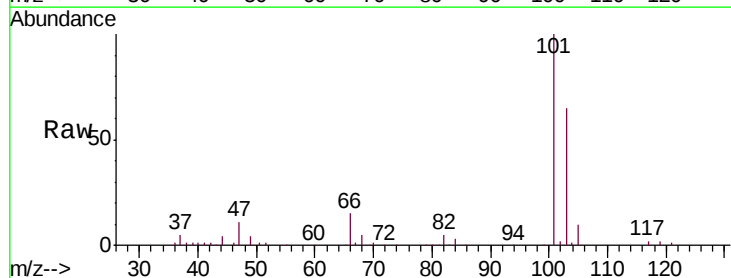
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

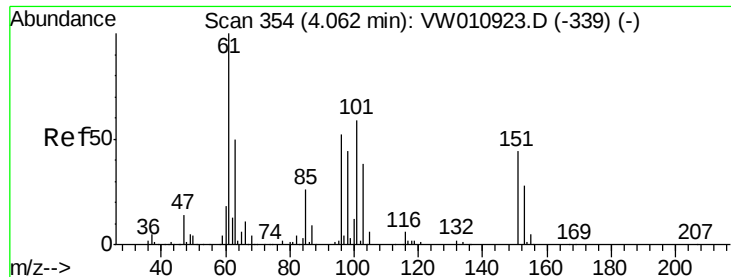
Tgt Ion: 64 Resp: 94962
Ion Ratio Lower Upper
64 100
66 32.4 21.8 40.4



#9
Trichlorofluoromethane
Concen: 23.404 ug/L
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

Tgt Ion: 101 Resp: 56797
Ion Ratio Lower Upper
101 100
103 65.1 46.4 86.2





#11

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

Concen: 24.803 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

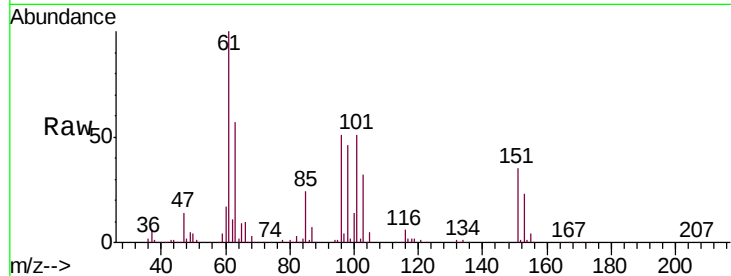
Tgt Ion: 101 Resp: 139890

Ion Ratio Lower Upper

101 100

85 43.7 35.8 53.8

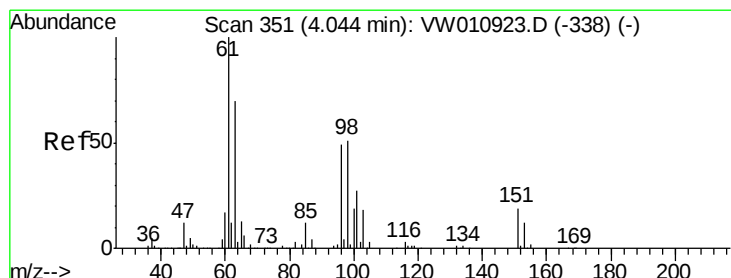
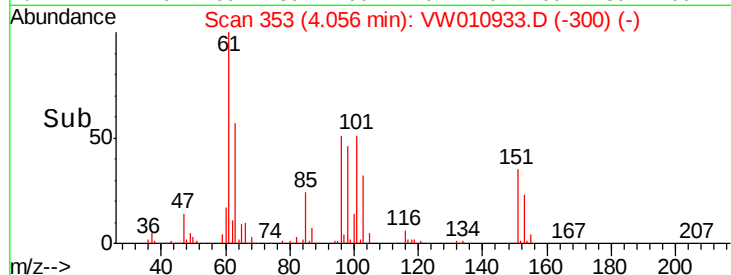
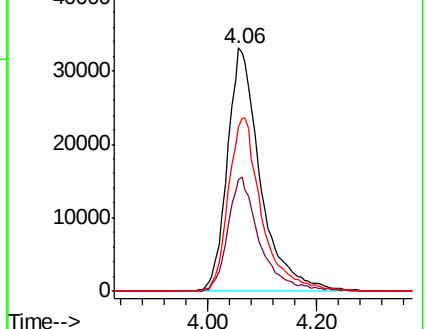
151 70.4 56.9 85.3



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: 24.777 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

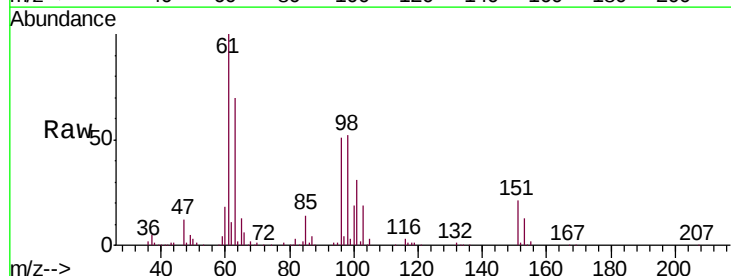
Tgt Ion: 96 Resp: 139477

Ion Ratio Lower Upper

96 100

61 195.9 144.5 268.3

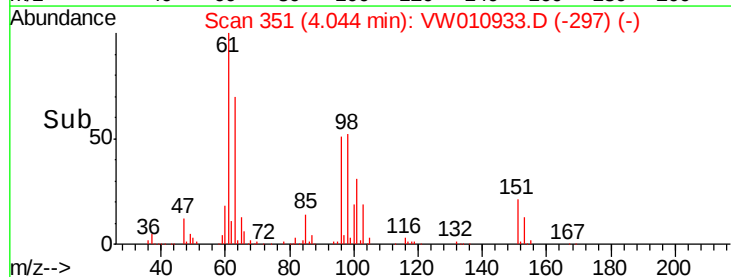
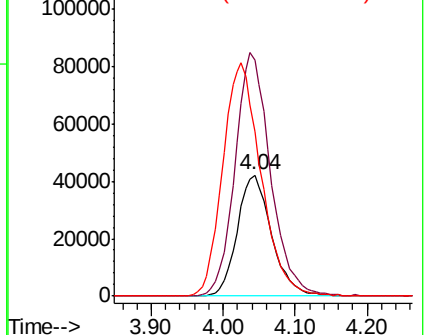
63 136.2 102.3 189.9

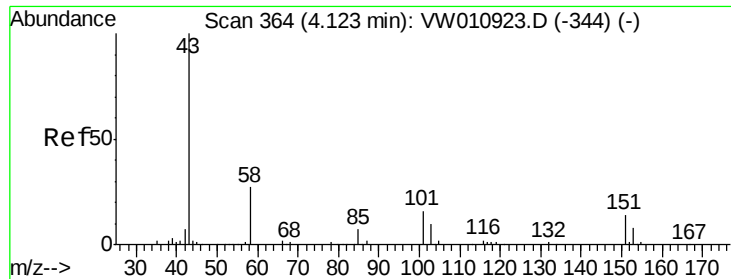


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.029 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

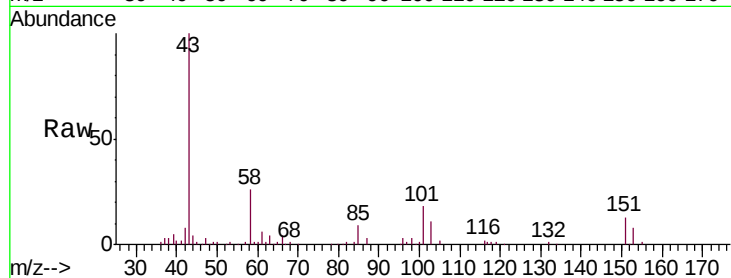
VSTD02527

Tgt Ion: 43 Resp: 110248

Ion Ratio Lower Upper

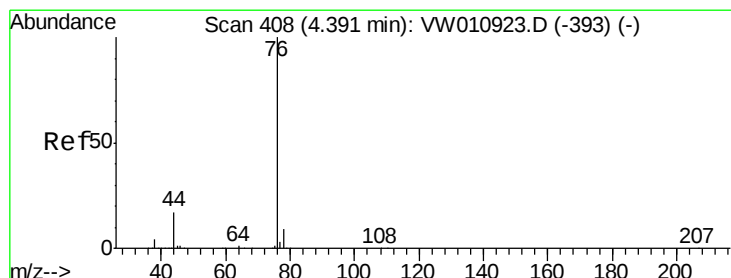
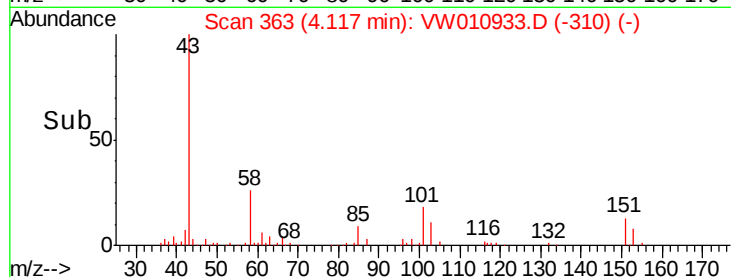
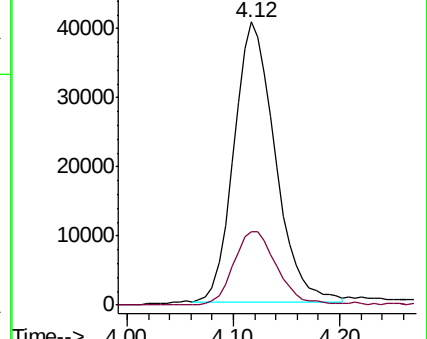
43 100

58 27.2 0.0 53.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.574 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW010933.D

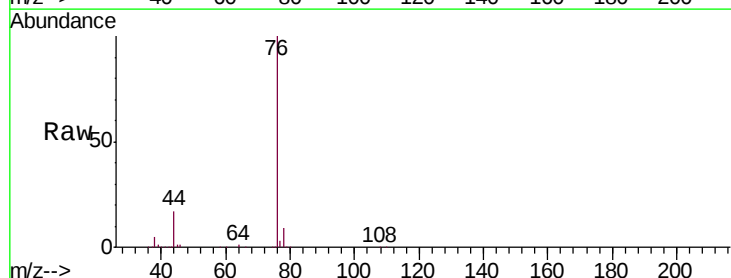
Acq: 24 Jun 2019 16:28

Tgt Ion: 76 Resp: 409571

Ion Ratio Lower Upper

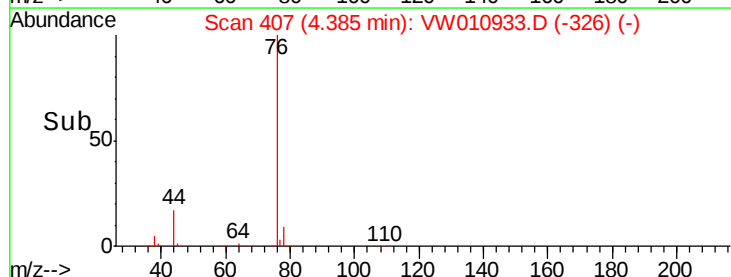
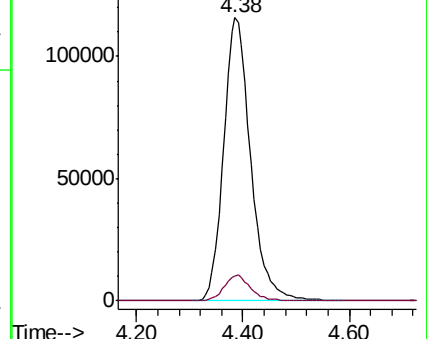
76 100

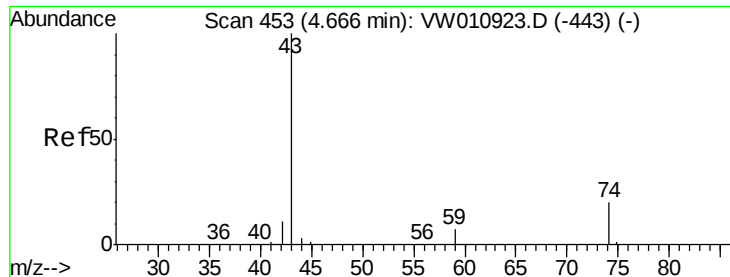
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 23.691 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

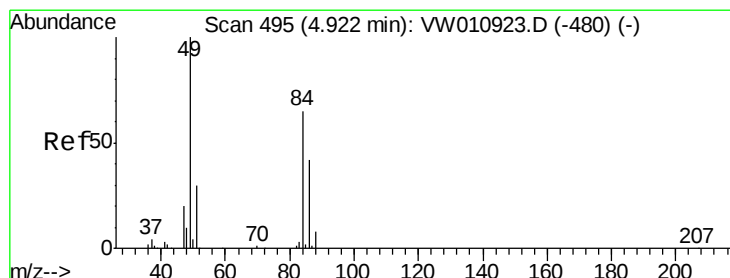
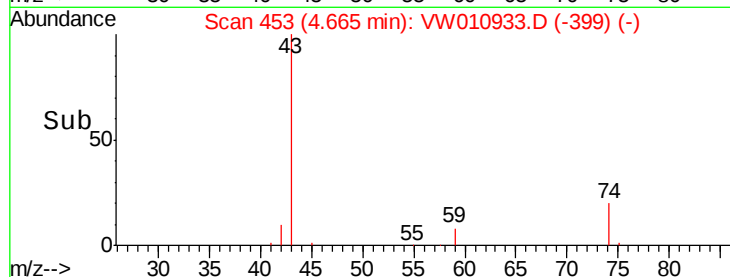
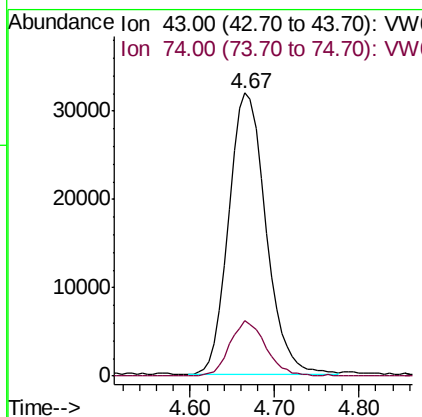
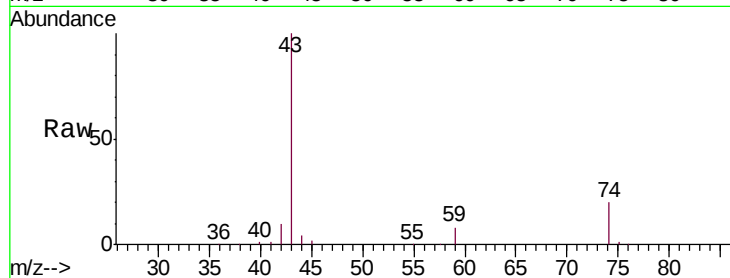
VSTD02527

Tgt Ion: 43 Resp: 96138

Ion Ratio Lower Upper

43 100

74 18.9 15.3 22.9



#16

Methylene chloride

Concen: 24.978 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

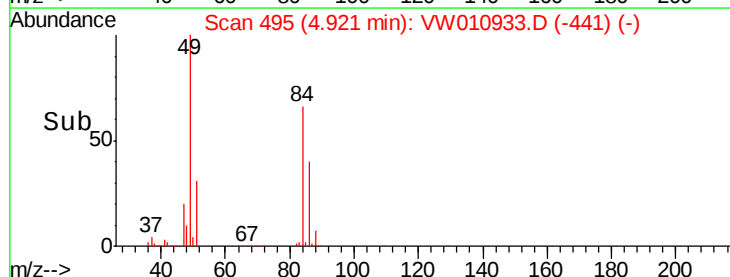
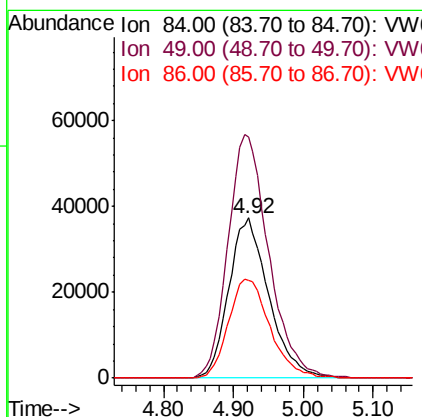
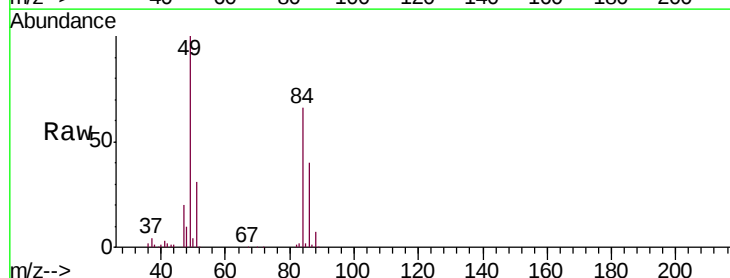
Tgt Ion: 84 Resp: 148769

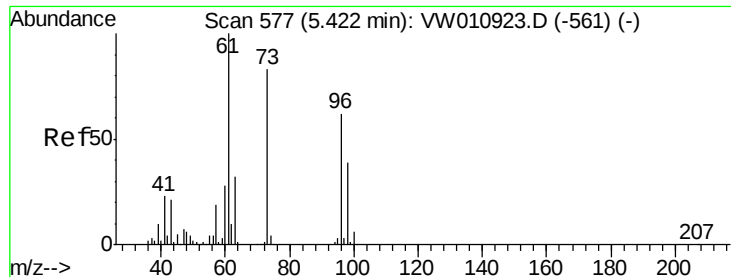
Ion Ratio Lower Upper

84 100

49 150.6 107.0 198.8

86 60.8 44.4 82.5

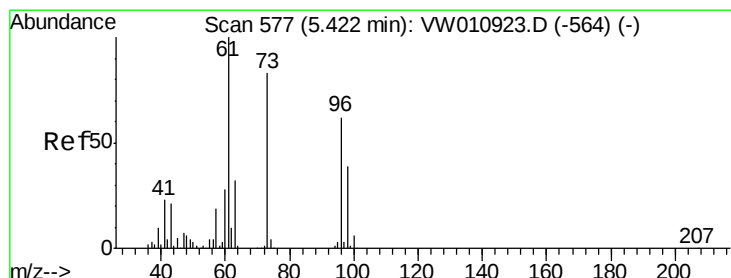
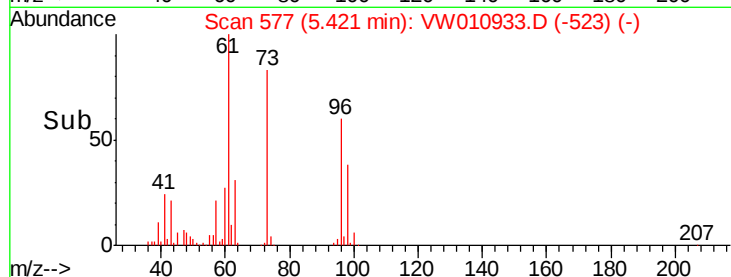
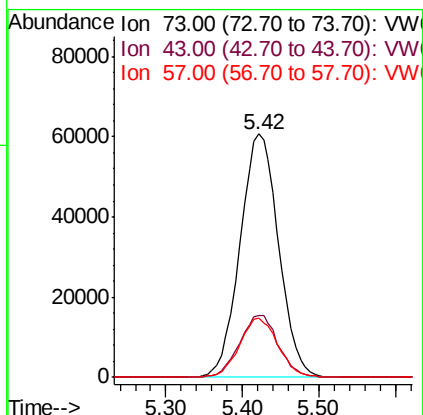
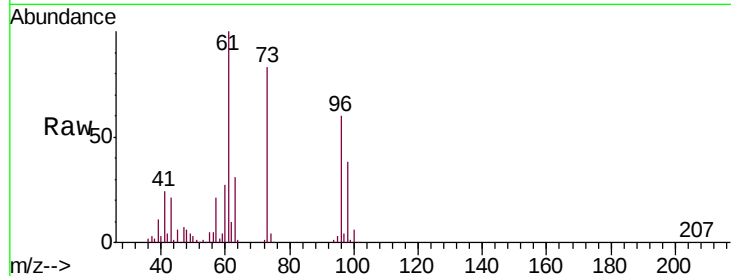




#17
Methyl tert-butyl Ether
Concen: 24.140 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

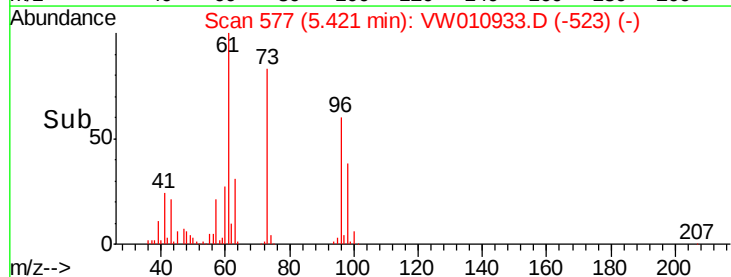
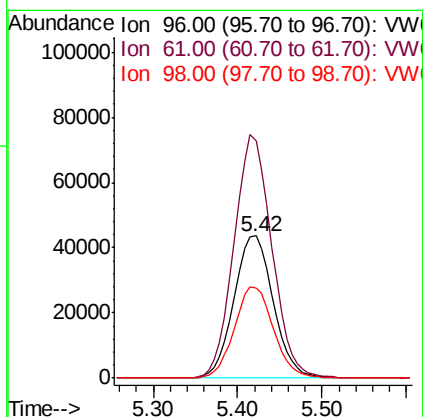
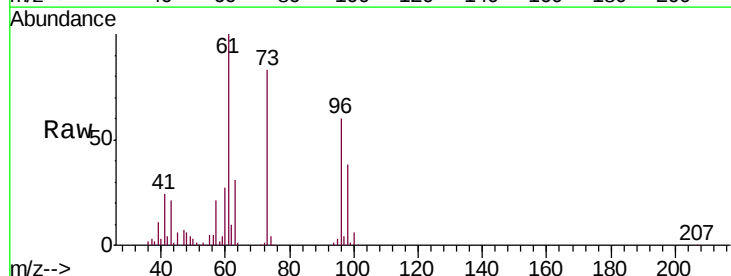
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

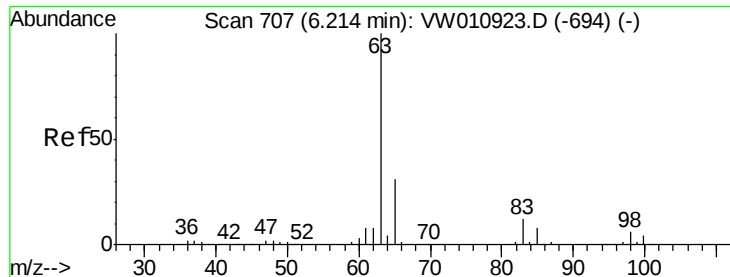
Tgt Ion: 73 Resp: 212764
Ion Ratio Lower Upper
73 100
43 25.4 20.2 30.2
57 24.2 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 24.443 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

Tgt Ion: 96 Resp: 138360
Ion Ratio Lower Upper
96 100
61 166.8 113.3 210.3
98 62.8 44.1 81.9

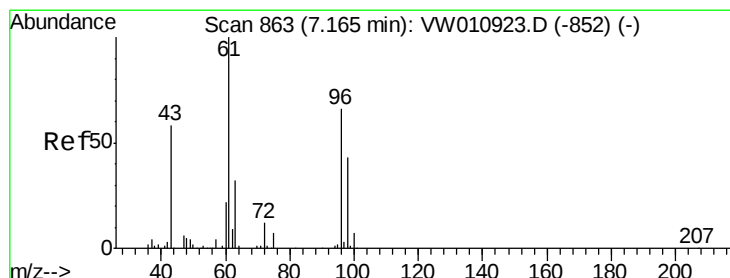
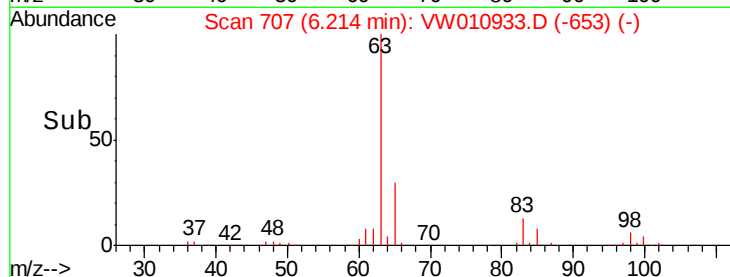
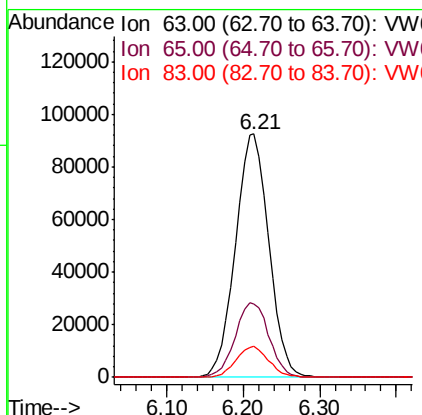
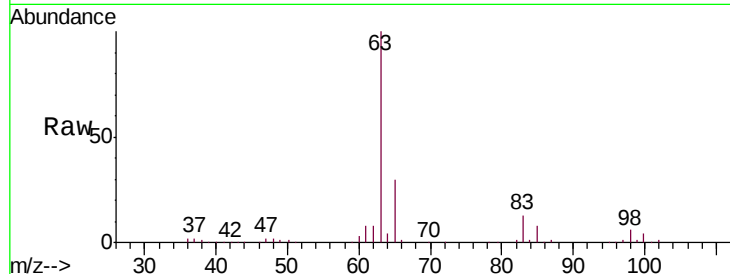




#19
 1,1-Dichloroethane
 Concen: 24.277 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

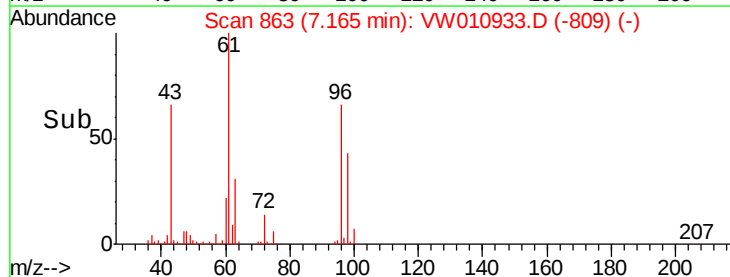
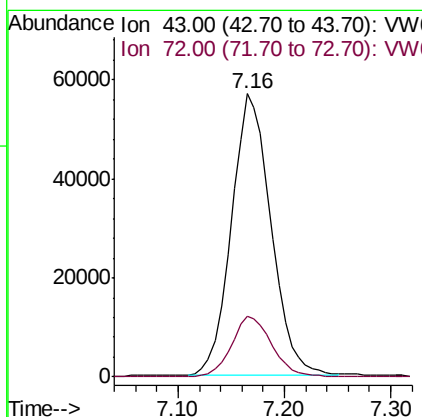
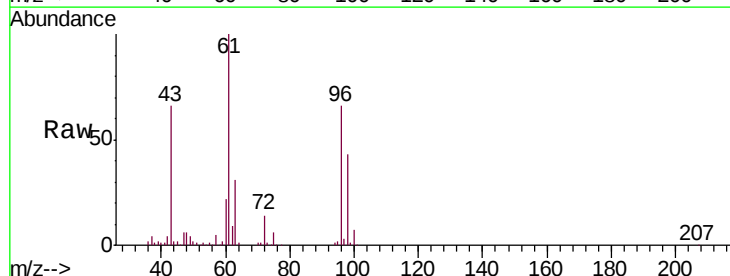
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

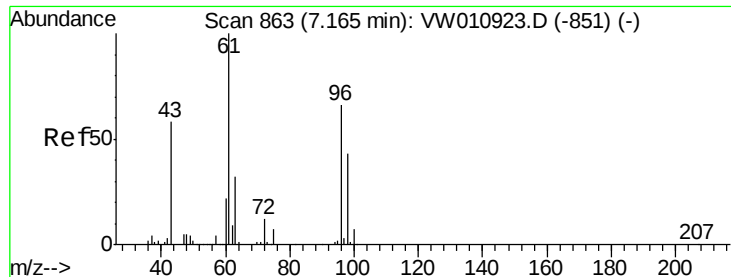
Tgt Ion: 63 Resp: 280681
 Ion Ratio Lower Upper
 63 100
 65 30.0 21.3 39.6
 83 12.5 8.5 15.9



#21
 2-Butanone
 Concen: 48.083 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion: 43 Resp: 148239
 Ion Ratio Lower Upper
 43 100
 72 21.9 10.9 32.6



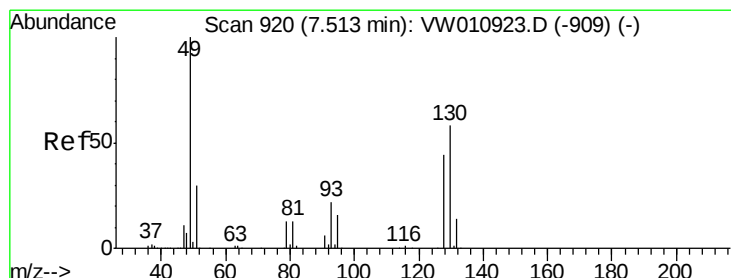
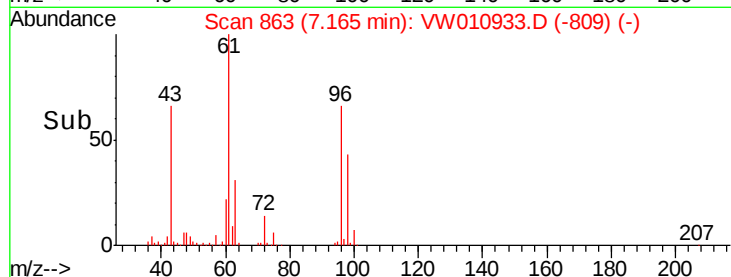
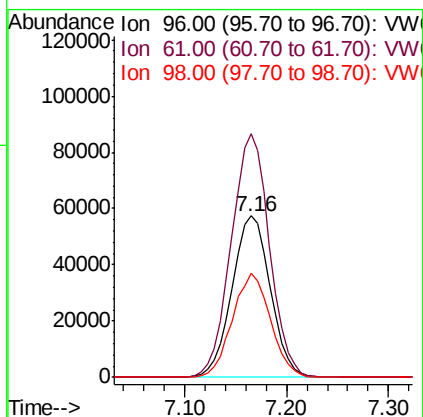
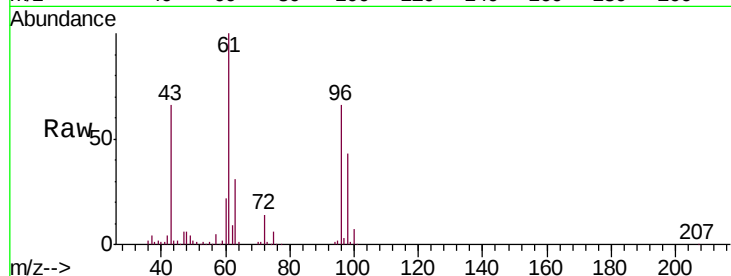


#22

cis-1,2-Dichloroethene
 Concen: 24.589 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

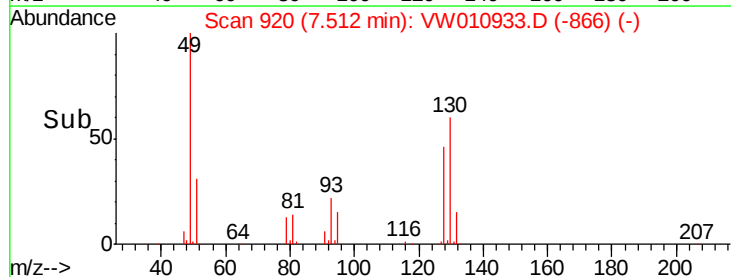
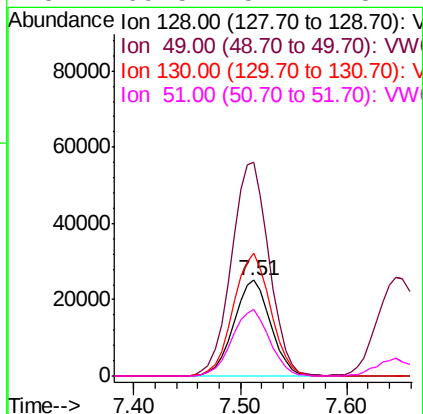
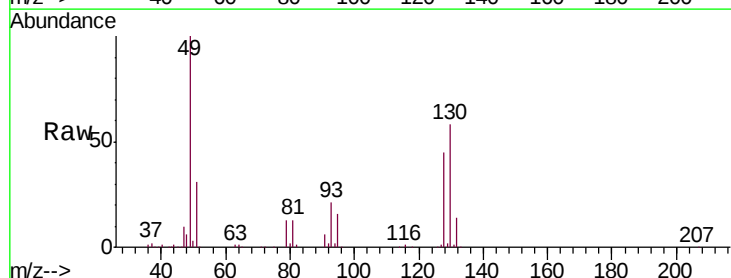
Tgt Ion: 96 Resp: 149764
 Ion Ratio Lower Upper
 96 100
 61 151.1 106.5 197.7
 98 64.8 45.5 84.5

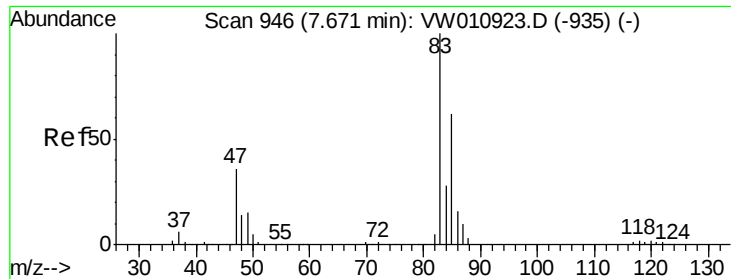


#23

Bromochloromethane
 Concen: 23.644 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion: 128 Resp: 61247
 Ion Ratio Lower Upper
 128 100
 49 222.9 157.7 292.9
 130 128.4 91.6 170.0
 51 69.5 54.2 81.2

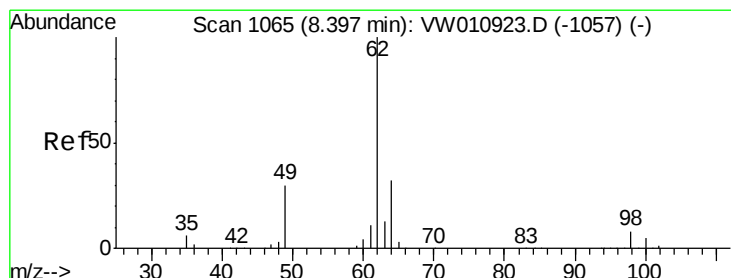
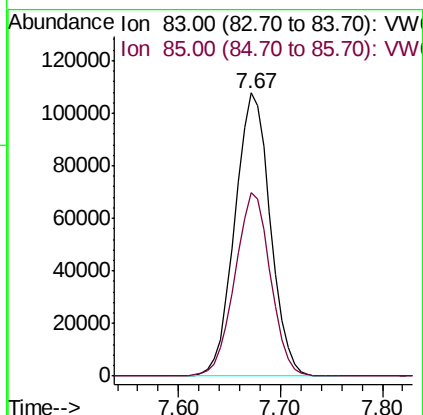
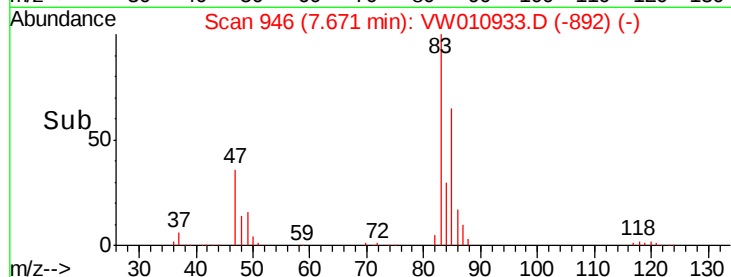
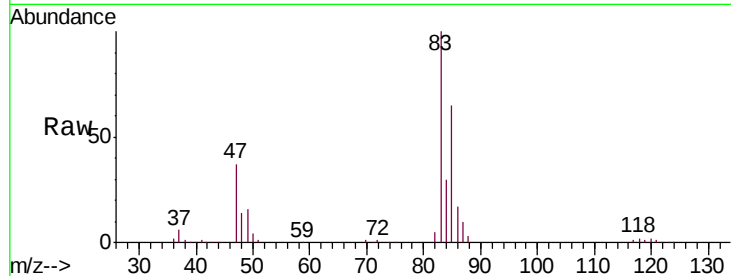




#25
Chloroform
Concen: 24.478 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

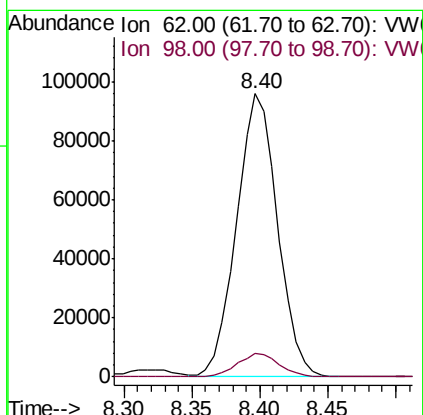
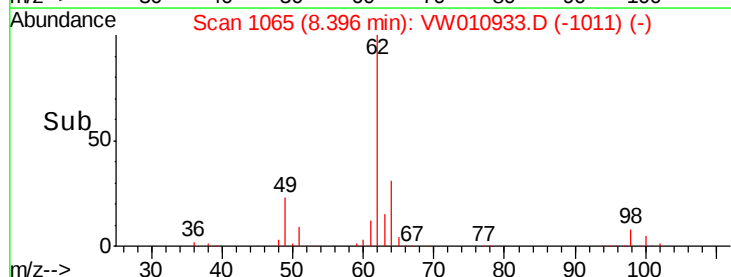
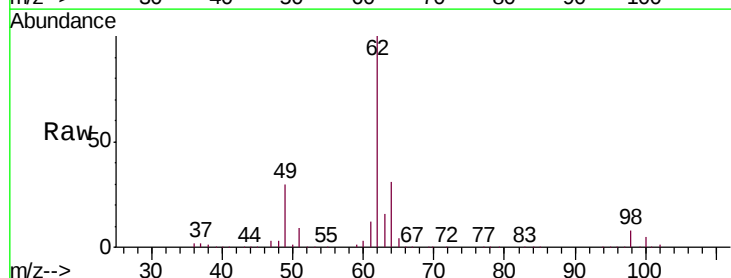
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

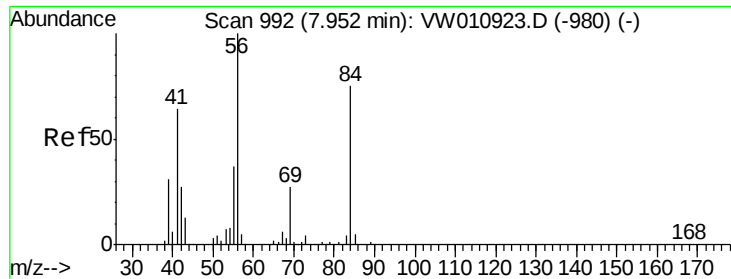
Tgt Ion: 83 Resp: 259652
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.298 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

Tgt Ion: 62 Resp: 201970
Ion Ratio Lower Upper
62 100
98 8.1 6.7 10.1

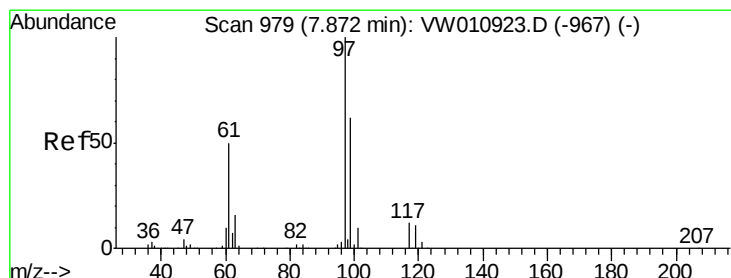
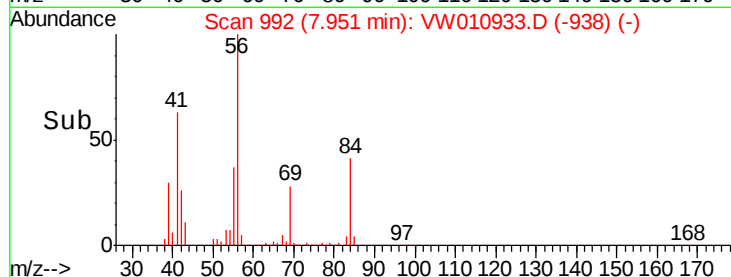
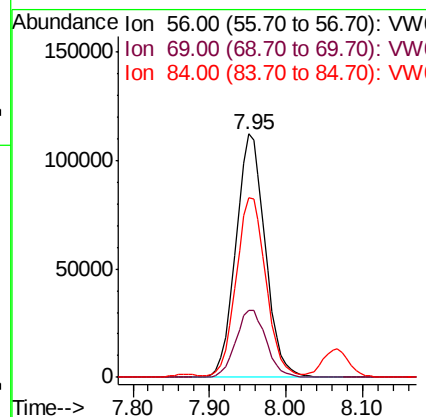
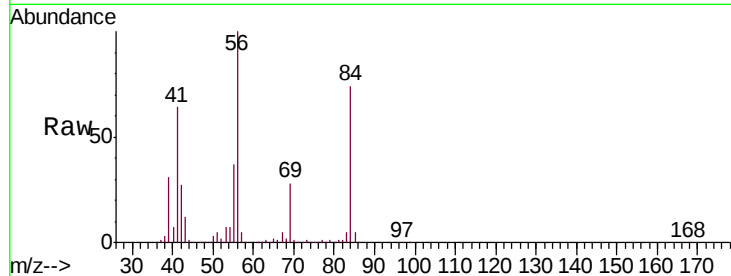




#30
Cyclohexane
Concen: 24.674 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

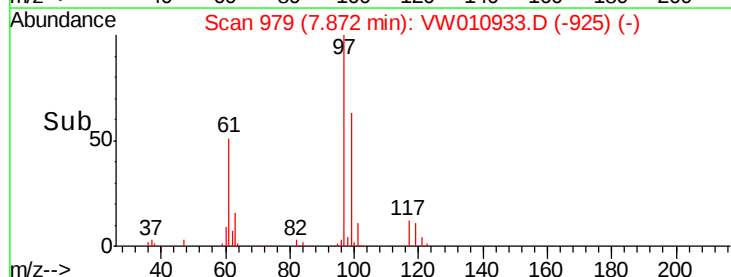
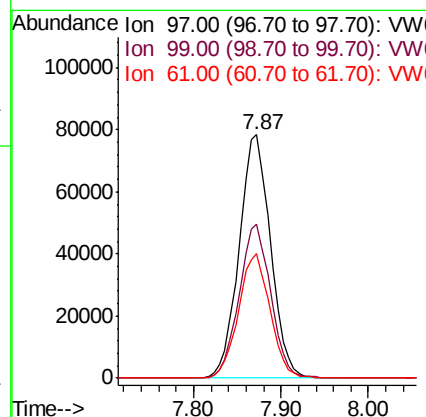
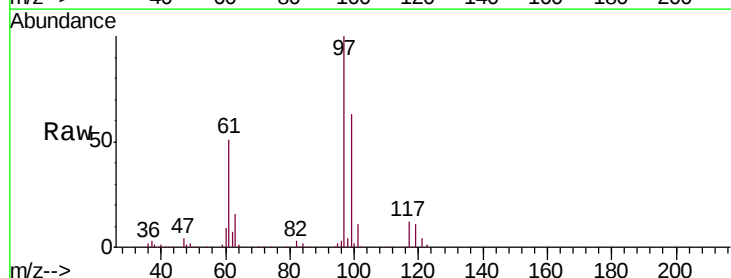
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

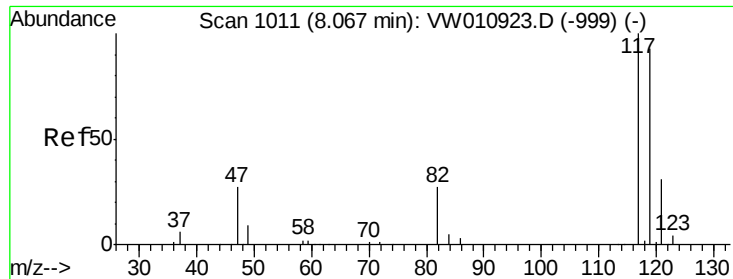
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.2	33.4
84	75.3	60.3	90.5



#31
1,1,1-Trichloroethane
Concen: 24.714 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	51.3	41.2	61.8





#32

Carbon tetrachloride

Concen: 24.880 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

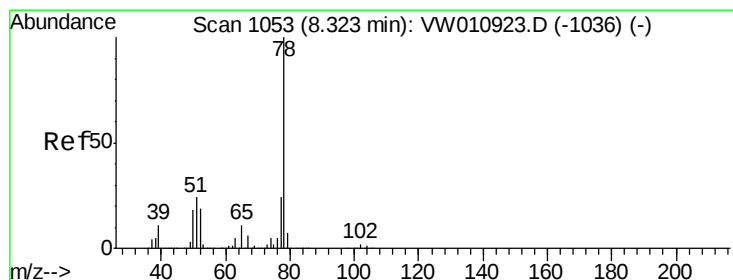
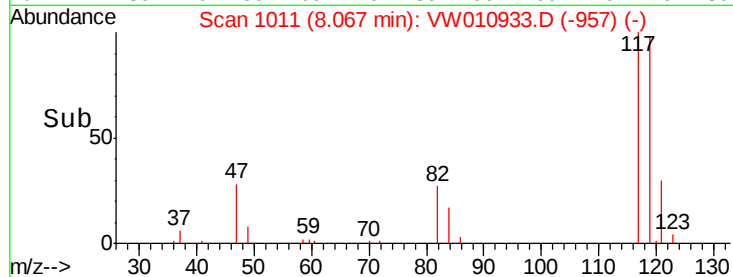
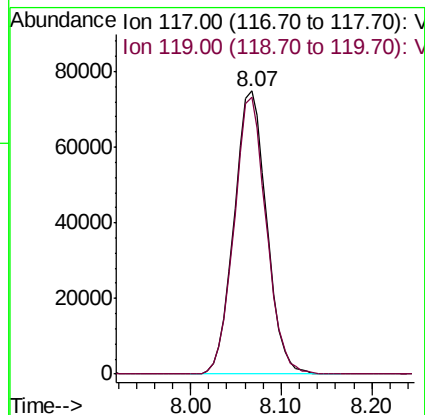
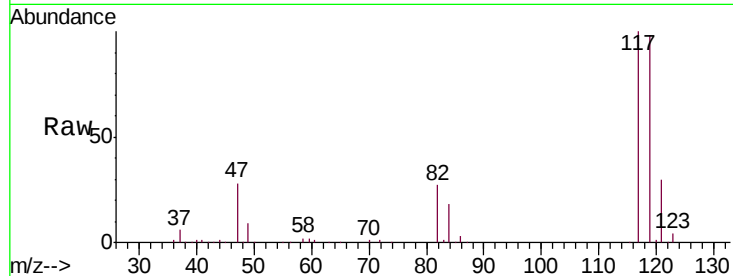
VSTD02527

Tgt Ion:117 Resp: 186461

Ion Ratio Lower Upper

117 100

119 96.8 75.7 113.5



#34

Benzene

Concen: 24.641 ug/L

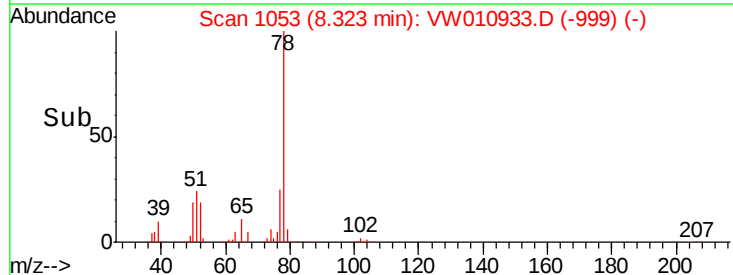
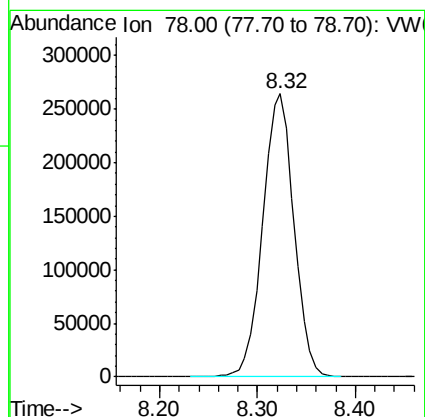
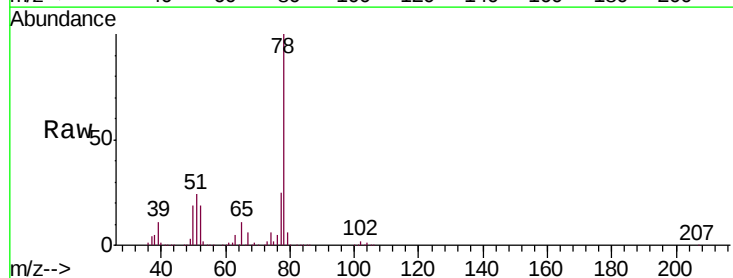
RT: 8.32 min Scan# 1053

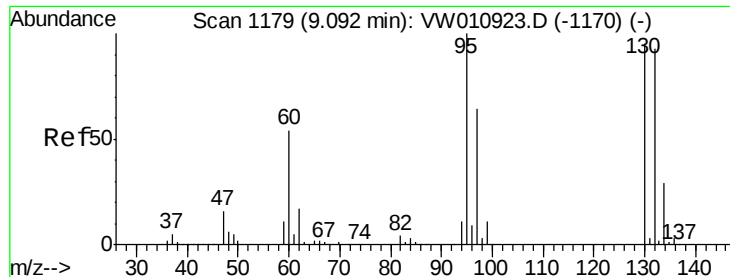
Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Tgt Ion: 78 Resp: 590729





#35

Trichloroethene

Concen: 24.463 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 95 Resp: 148721

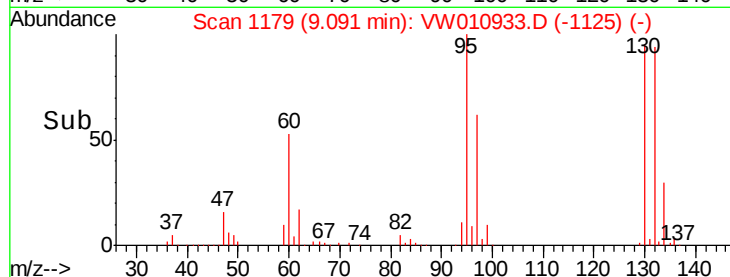
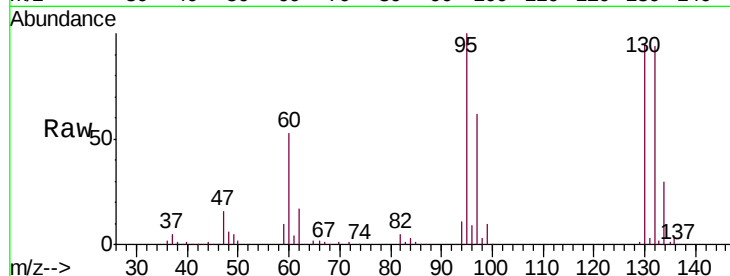
Ion Ratio Lower Upper

95 100

97 63.4 44.9 83.3

132 91.5 64.0 119.0

130 96.5 67.4 125.2

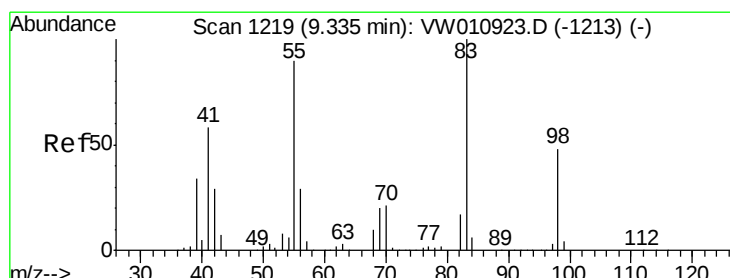
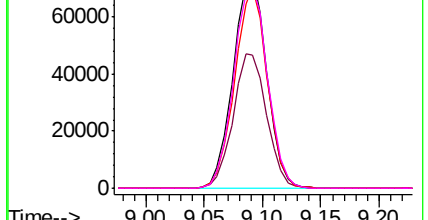


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.662 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

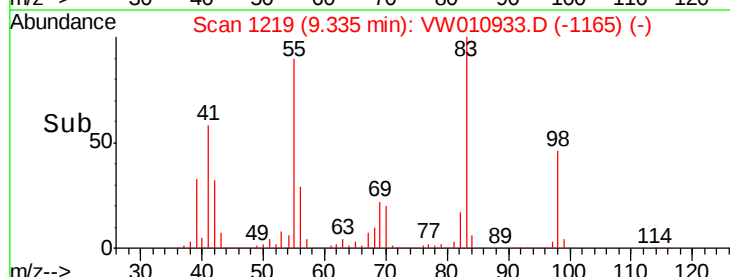
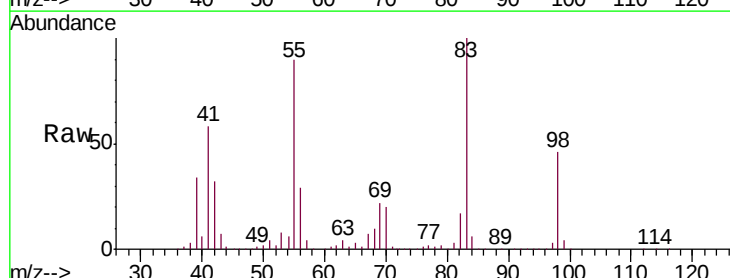
Tgt Ion: 83 Resp: 275203

Ion Ratio Lower Upper

83 100

55 90.2 72.2 108.2

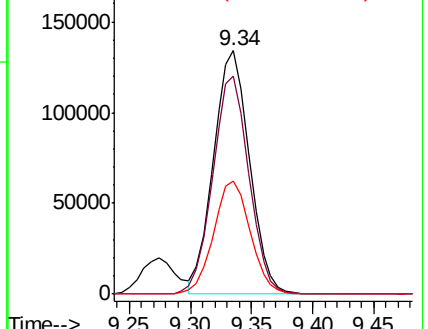
98 47.3 37.8 56.8

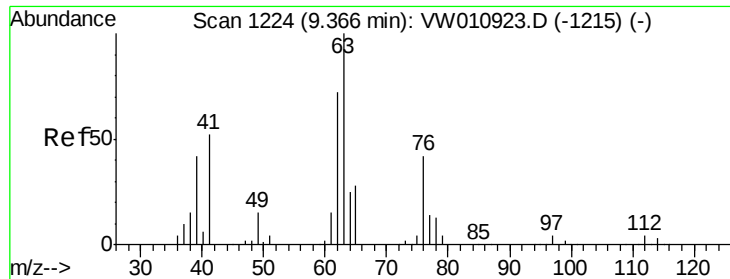


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

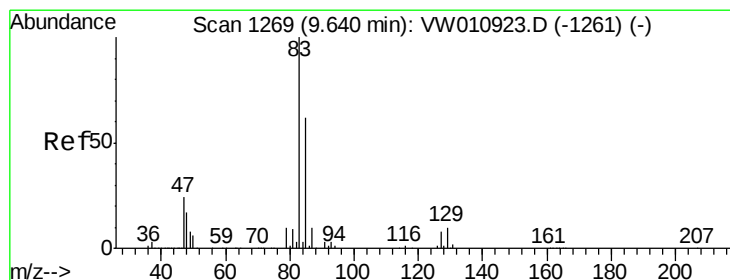
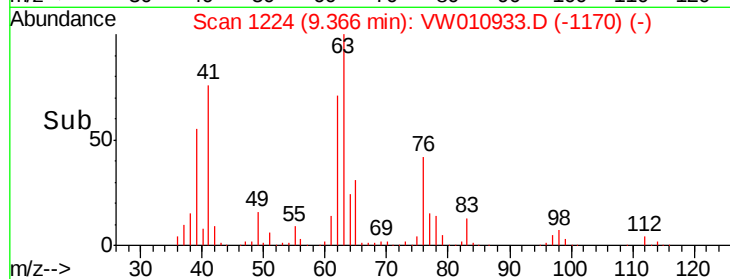
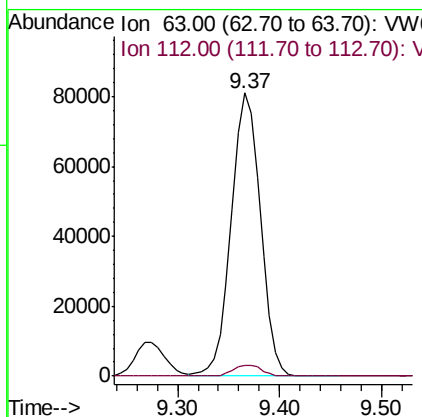
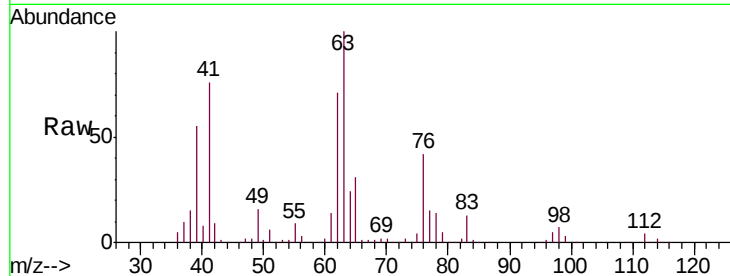




#40
 1,2-Dichloropropane
 Concen: 24.368 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

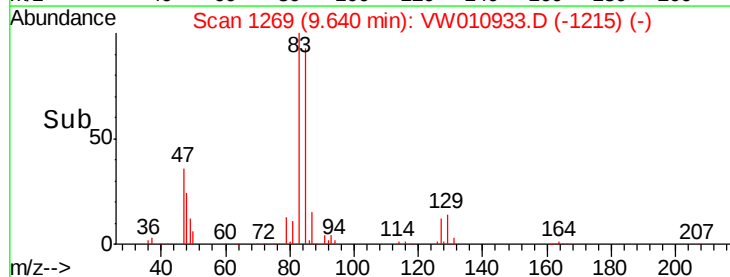
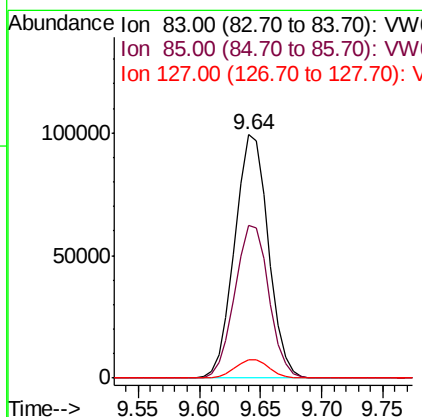
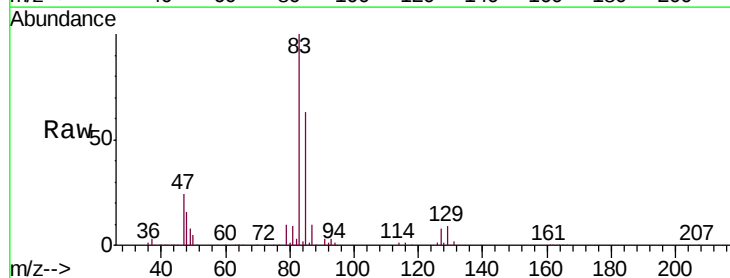
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

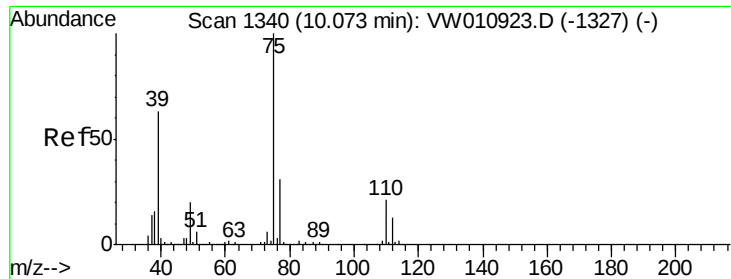
Tgt Ion: 63 Resp: 160789
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#41
 Bromodichloromethane
 Concen: 24.505 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion: 83 Resp: 189754
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.1 80.1
 127 7.7 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 24.684 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

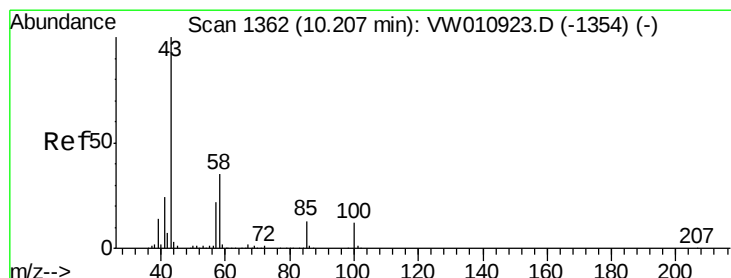
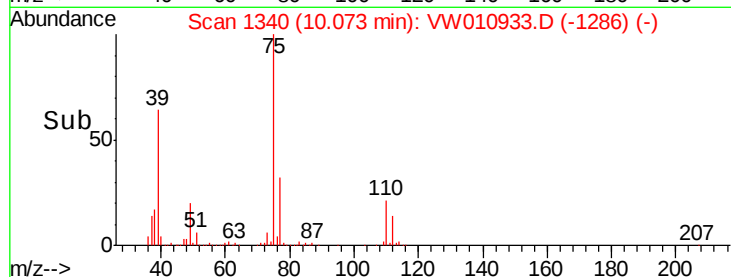
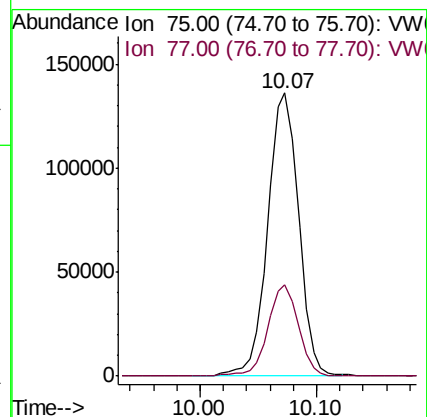
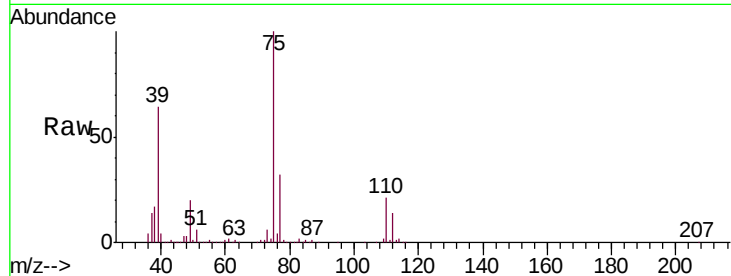
VSTD02527

Tgt Ion: 75 Resp: 250548

Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 46.799 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

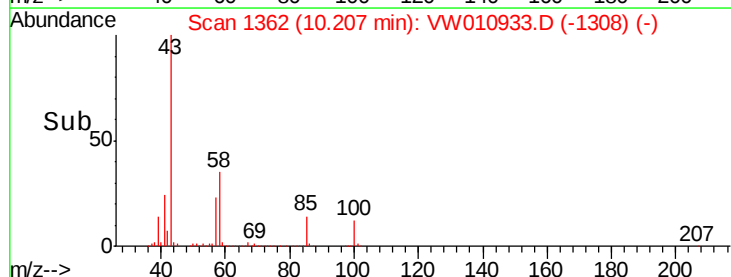
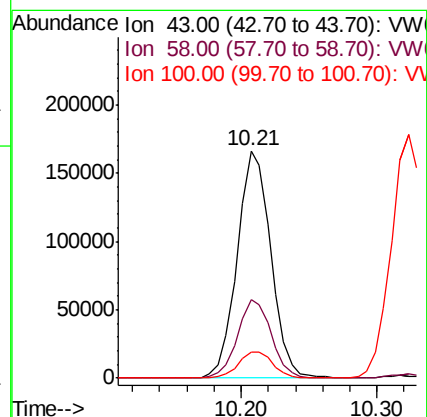
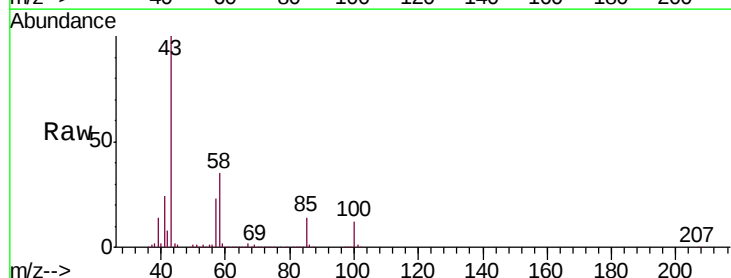
Tgt Ion: 43 Resp: 286560

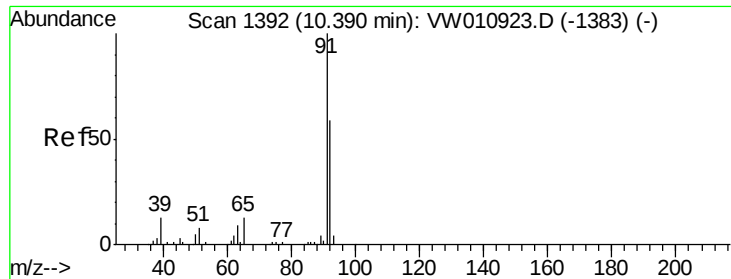
Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3

100 11.9 9.6 14.4





#44

Toluene

Concen: 24.610 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

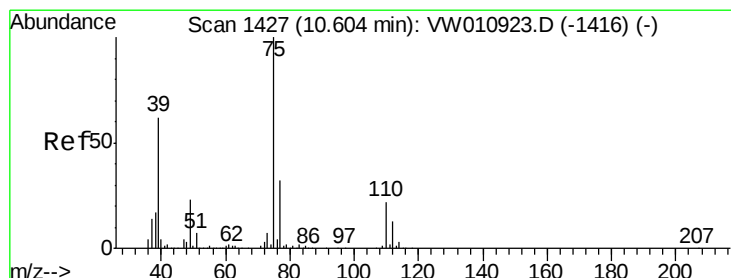
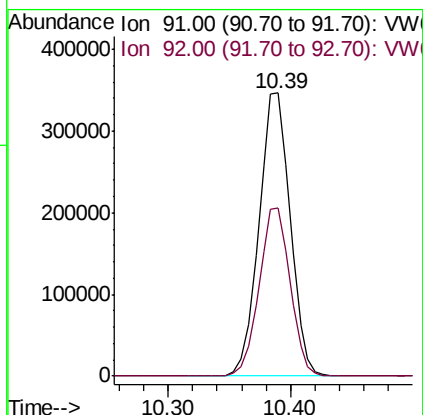
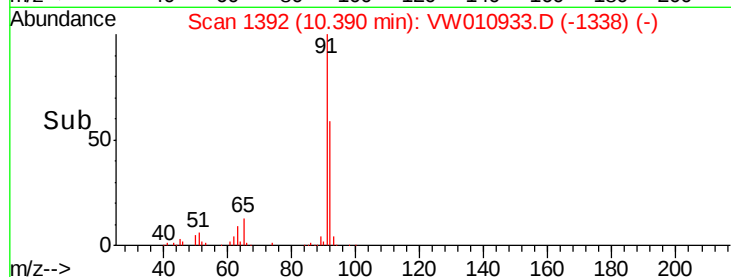
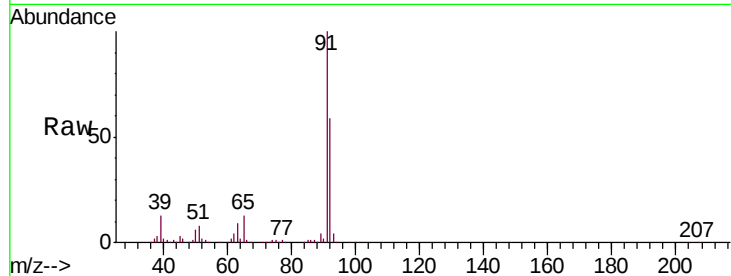
VSTD02527

Tgt Ion: 91 Resp: 616929

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.555 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010933.D

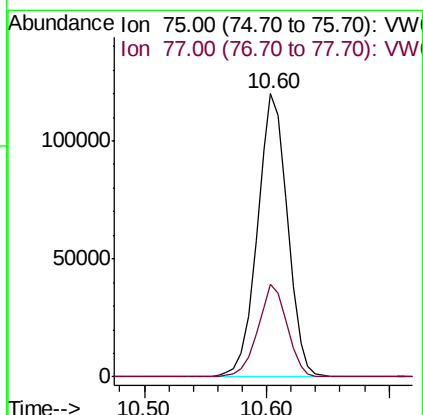
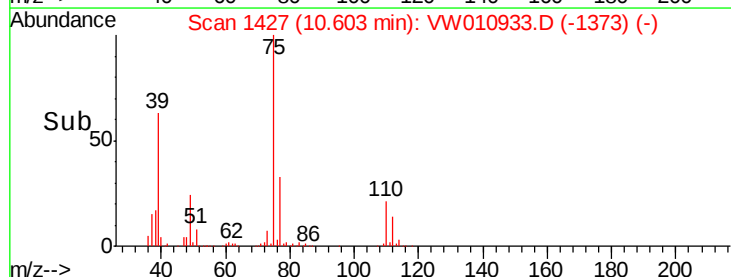
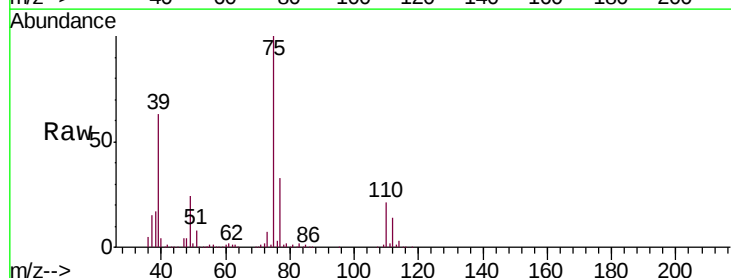
Acq: 24 Jun 2019 16:28

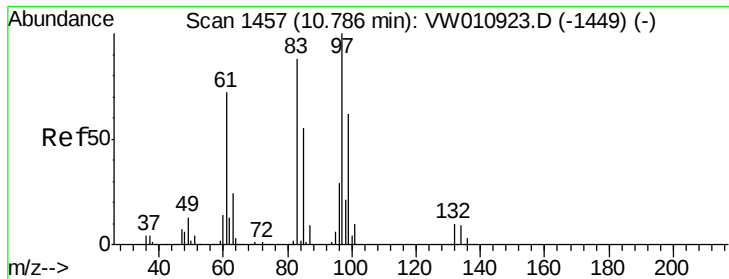
Tgt Ion: 75 Resp: 206038

Ion Ratio Lower Upper

75 100

77 32.7 22.6 42.0

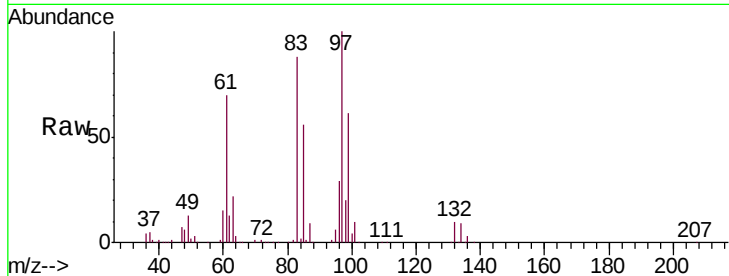




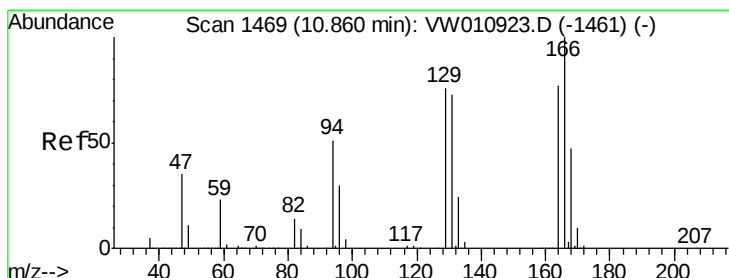
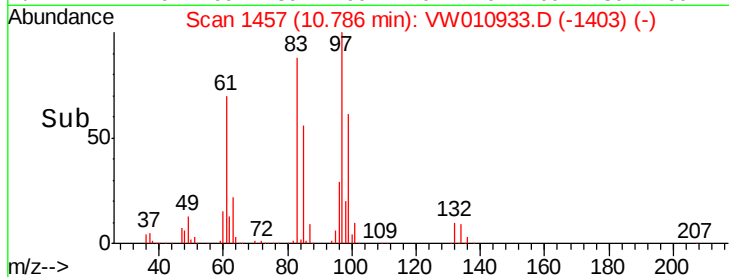
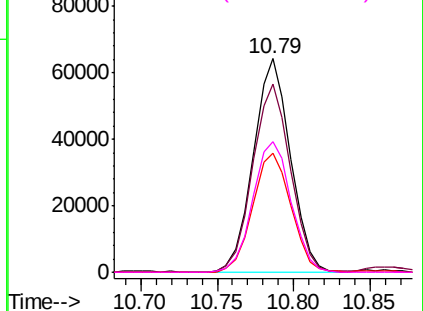
#46
 1,1,2-Trichloroethane
 Concen: 23.984 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02527

Tgt Ion: 97 Resp: 108458
 Ion Ratio Lower Upper
 97 100
 83 88.2 61.8 114.8
 85 56.0 38.6 71.6
 99 61.0 43.3 80.3

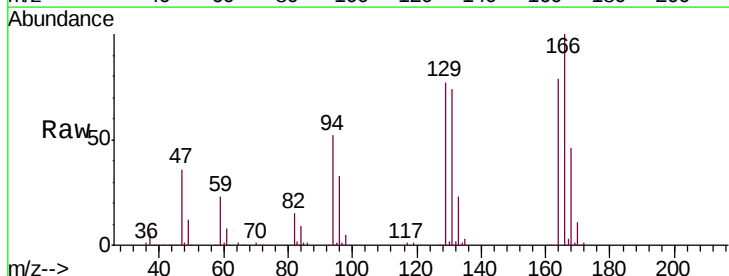


Abundance Ion 97.00 (96.70 to 97.70): VW
 100000 Ion 83.00 (82.70 to 83.70): VW
 80000 Ion 85.00 (84.70 to 85.70): VW
 60000 Ion 99.00 (98.70 to 99.70): VW

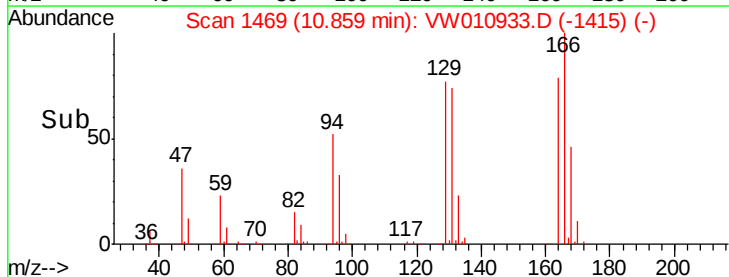
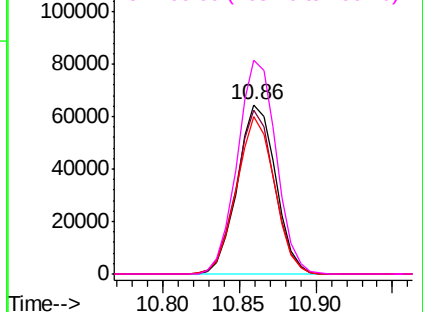


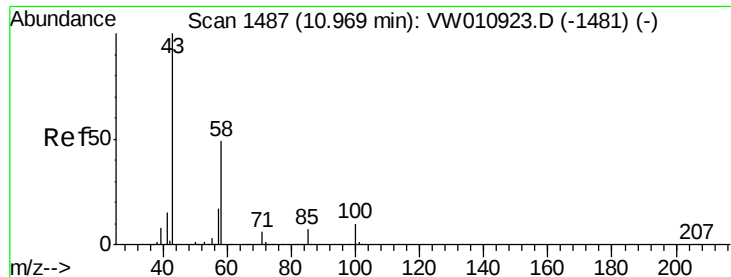
#47
 Tetrachloroethene
 Concen: 24.324 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion: 164 Resp: 112148
 Ion Ratio Lower Upper
 164 100
 129 97.1 69.6 129.2
 131 92.9 66.8 124.0
 166 126.1 91.2 169.4



Abundance Ion 164.00 (163.70 to 164.70): V
 120000 Ion 129.00 (128.70 to 129.70): V
 100000 Ion 131.00 (130.70 to 131.70): V
 80000 Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 50.449 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 43 Resp: 219772

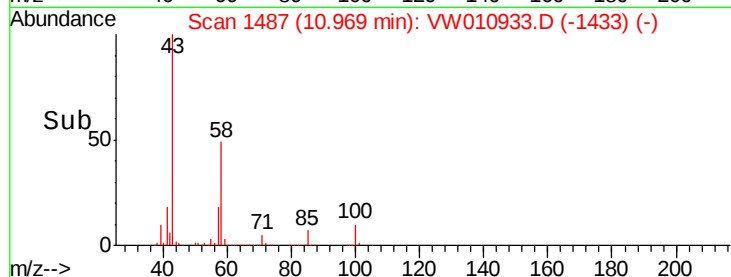
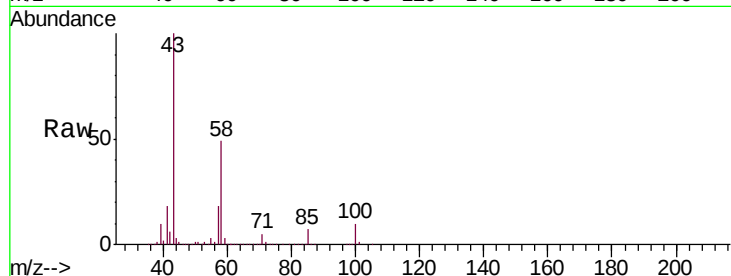
Ion Ratio Lower Upper

43 100

58 47.1 38.3 57.5

57 16.6 13.8 20.8

100 9.3 7.3 10.9

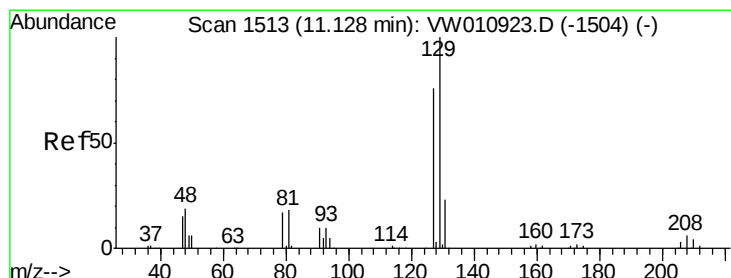
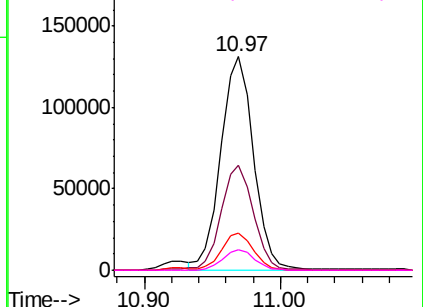


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.310 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010933.D

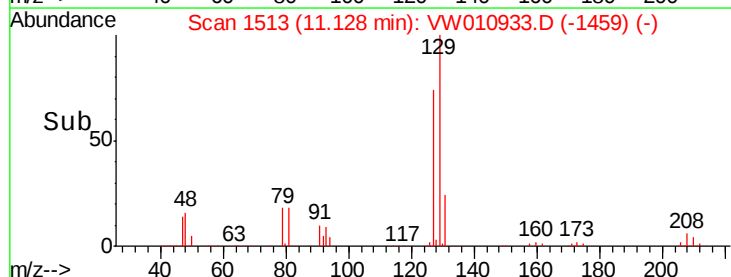
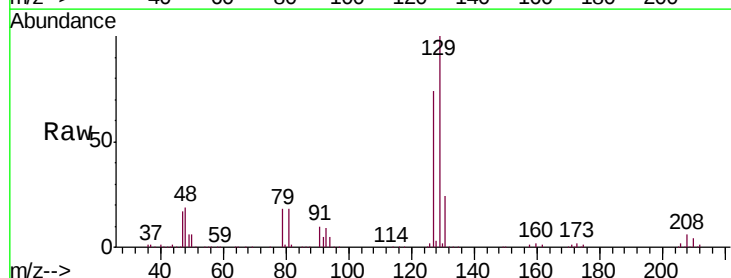
Acq: 24 Jun 2019 16:28

Tgt Ion: 129 Resp: 121047

Ion Ratio Lower Upper

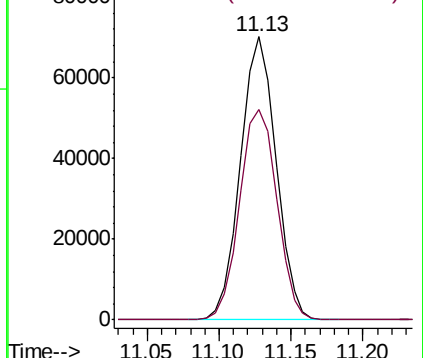
129 100

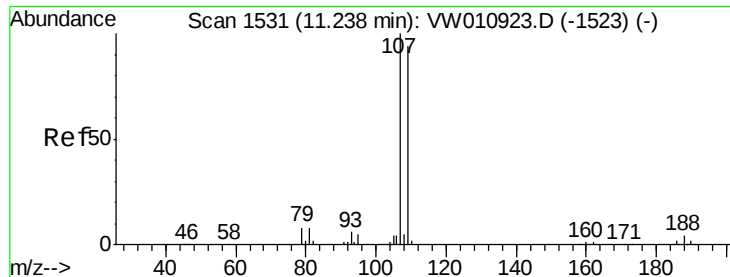
127 74.3 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

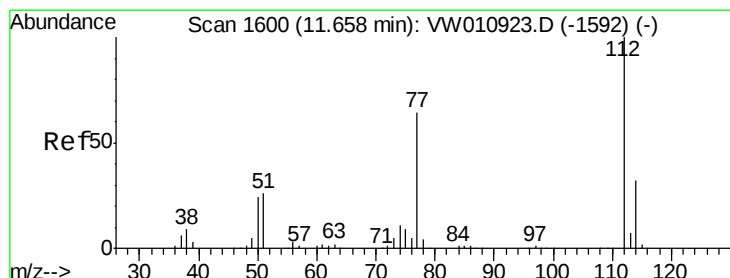
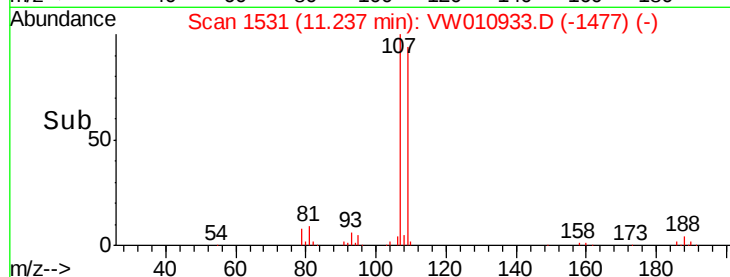
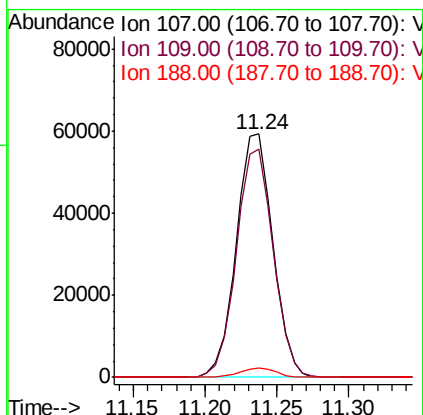
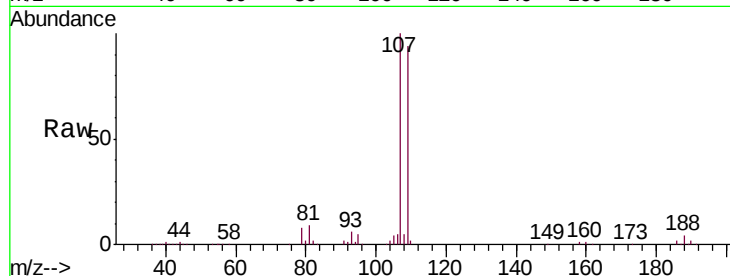




#51
1,2-Dibromoethane
Concen: 23.980 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

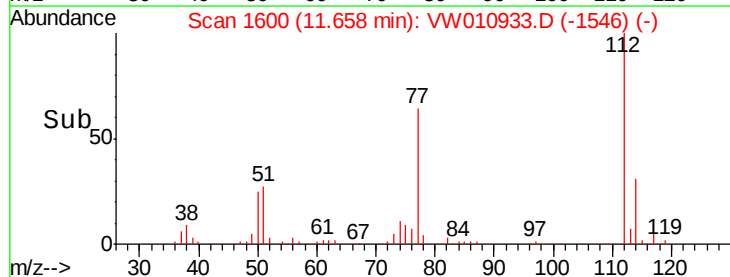
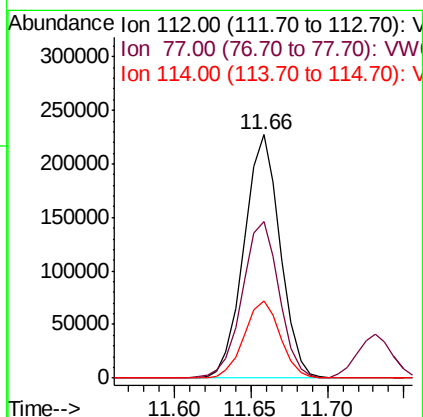
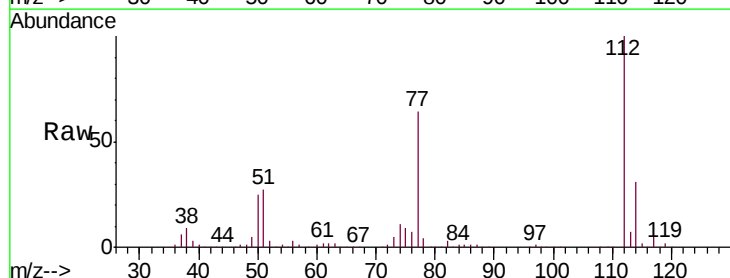
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

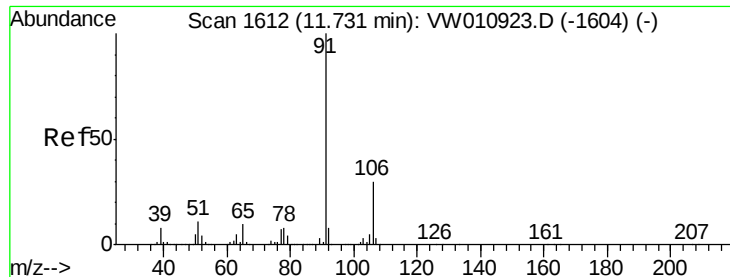
Tgt Ion:107 Resp: 104870
Ion Ratio Lower Upper
107 100
109 93.6 65.5 121.7
188 3.8 3.3 4.9



#52
Chlorobenzene
Concen: 24.679 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010933.D
Acq: 24 Jun 2019 16:28

Tgt Ion:112 Resp: 372281
Ion Ratio Lower Upper
112 100
77 64.2 51.1 76.7
114 31.5 22.7 42.1





#53

Ethylbenzene

Concen: 24.951 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

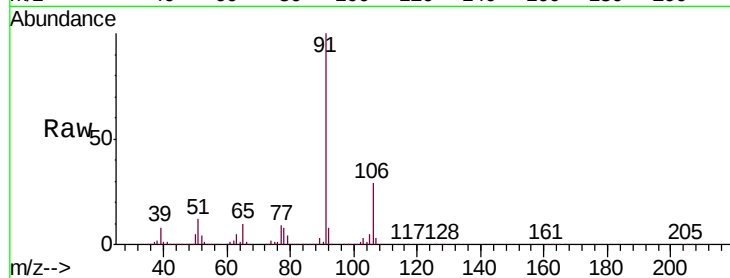
VSTD02527

Tgt Ion: 91 Resp: 704667

Ion Ratio Lower Upper

91 100

106 29.4 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

400000

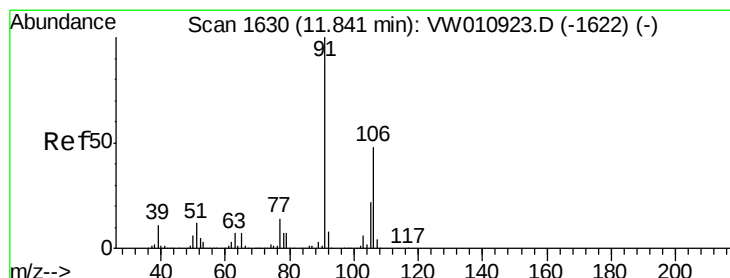
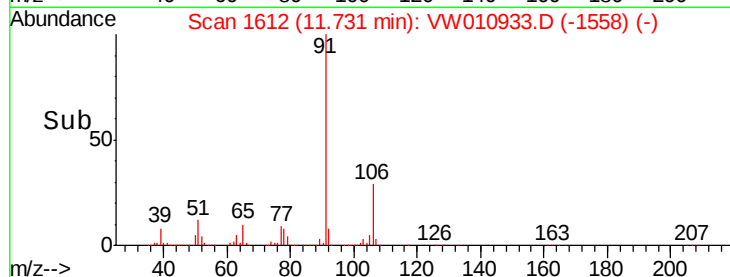
300000

200000

100000

0

Time-->



#54

m,p-Xylene

Concen: 24.918 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010933.D

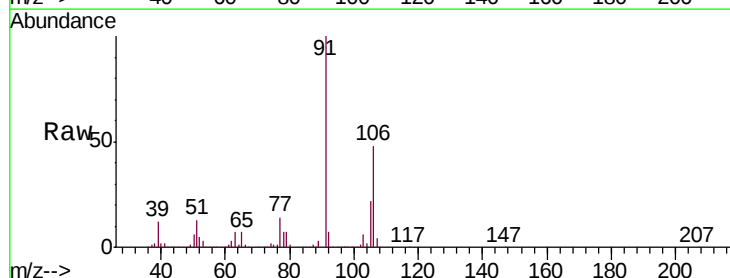
Acq: 24 Jun 2019 16:28

Tgt Ion: 106 Resp: 255367

Ion Ratio Lower Upper

106 100

91 210.3 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

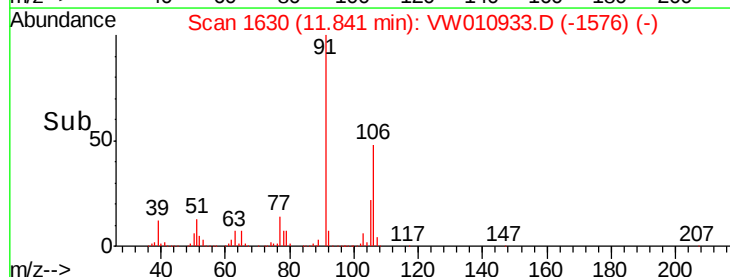
300000

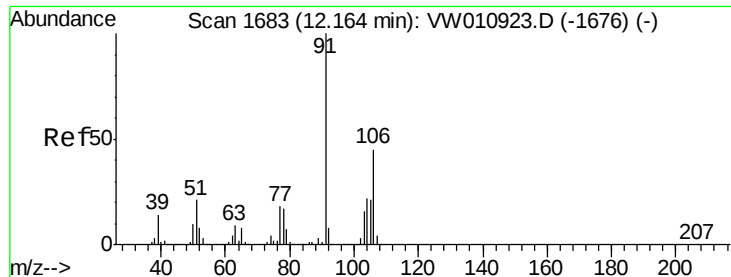
200000

100000

0

Time-->





#55

o-xylene

Concen: 24.988 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

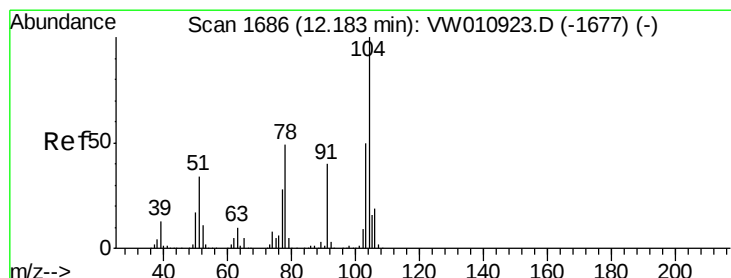
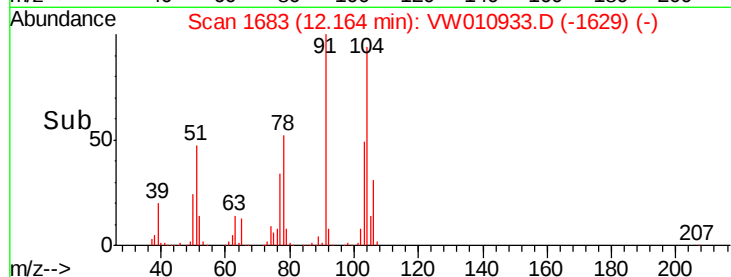
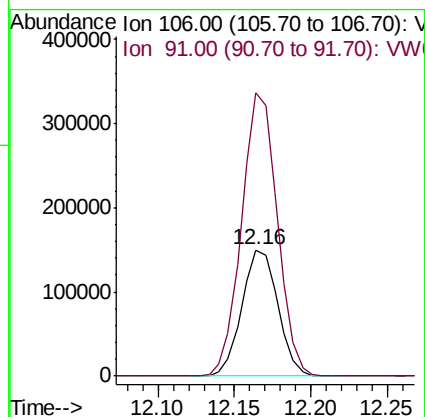
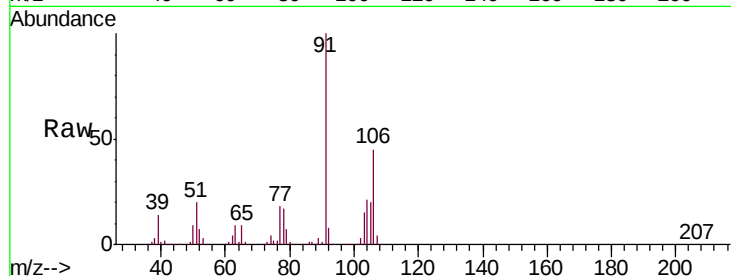
VSTD02527

Tgt Ion:106 Resp: 245736

Ion Ratio Lower Upper

106 100

91 223.8 156.1 289.9



#56

Styrene

Concen: 24.988 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010933.D

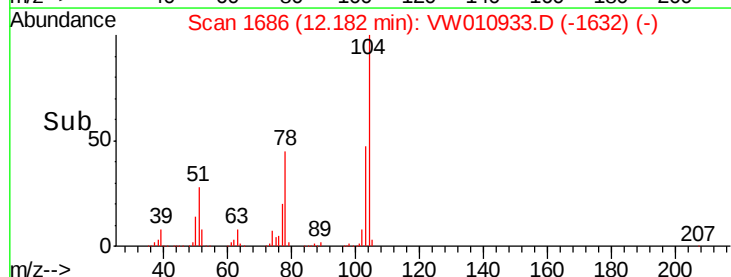
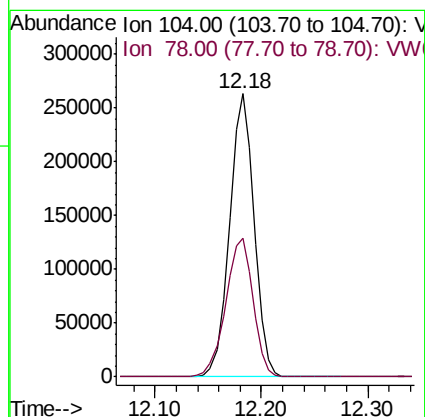
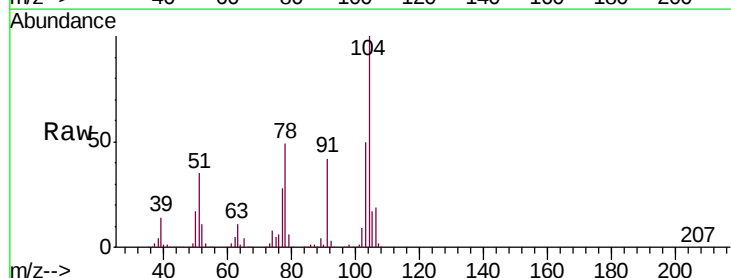
Acq: 24 Jun 2019 16:28

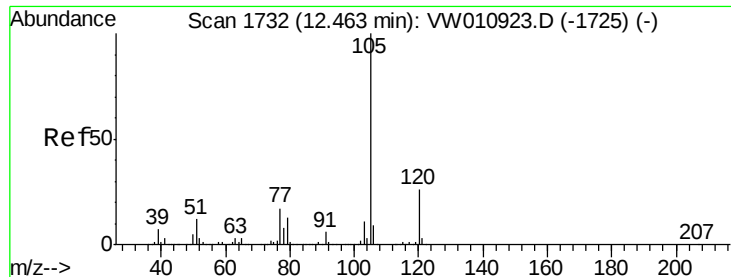
Tgt Ion:104 Resp: 423759

Ion Ratio Lower Upper

104 100

78 48.9 34.4 64.0





#57

Isopropylbenzene

Concen: 25.259 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

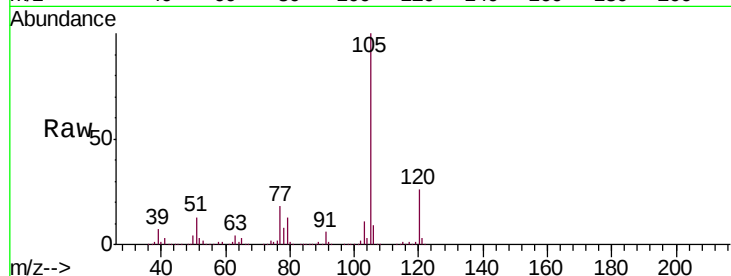
Tgt Ion: 105 Resp: 673893

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

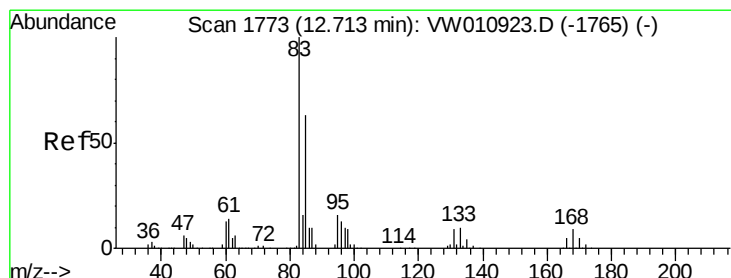
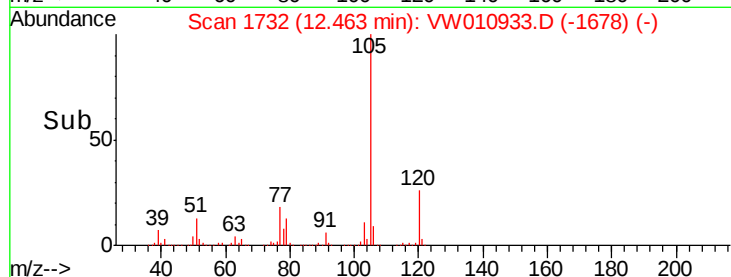
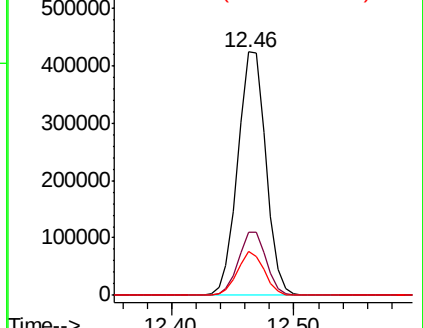
77 17.1 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.180 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

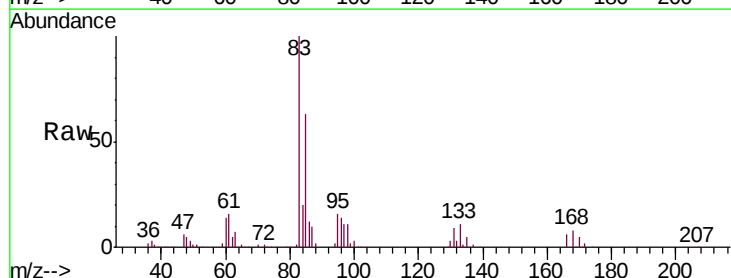
Tgt Ion: 83 Resp: 142973

Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.6

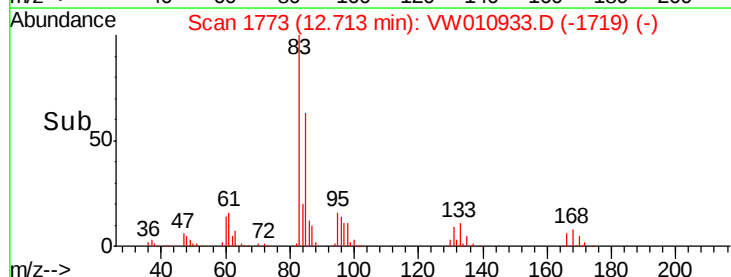
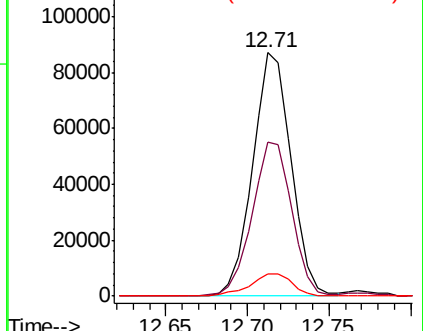
131 9.0 7.4 11.0

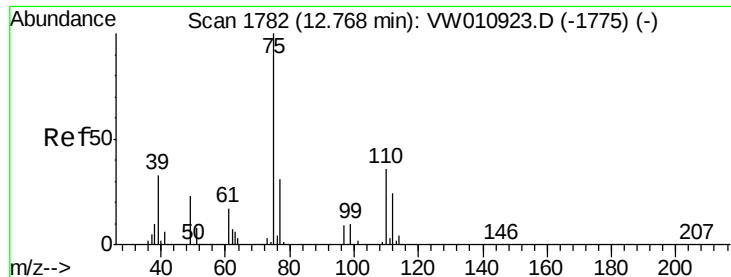


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.004 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

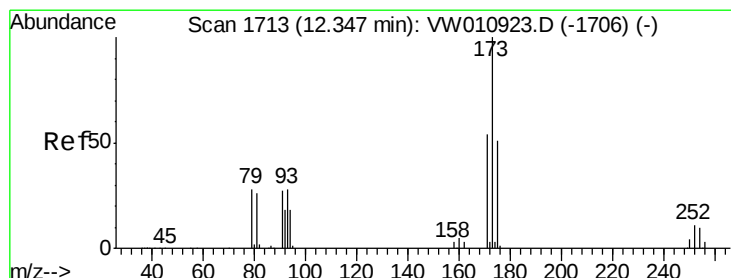
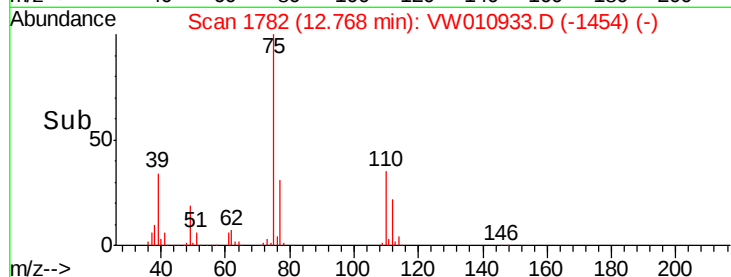
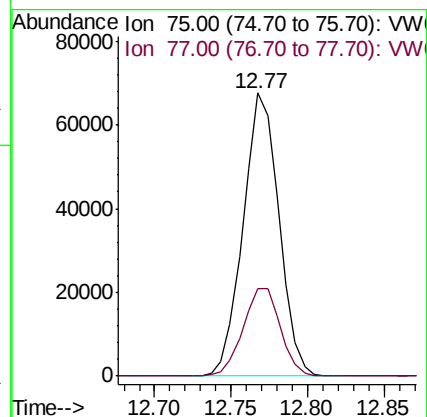
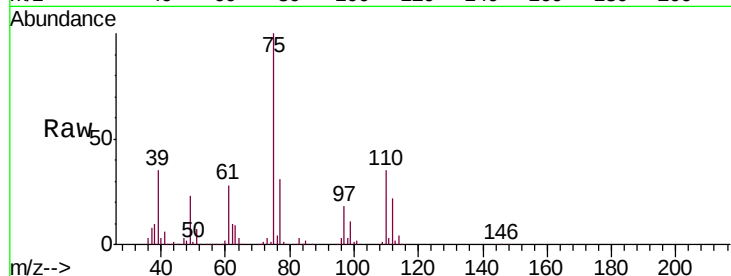
VSTD02527

Tgt Ion: 75 Resp: 110202

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#62

Bromoform

Concen: 23.520 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

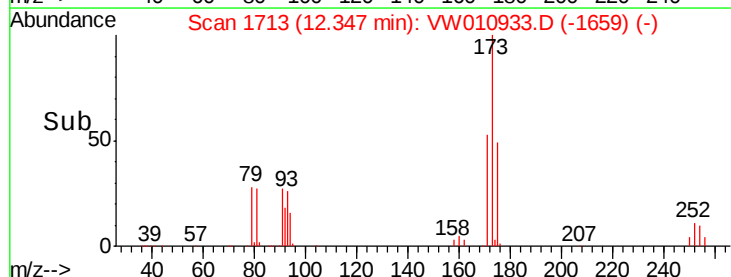
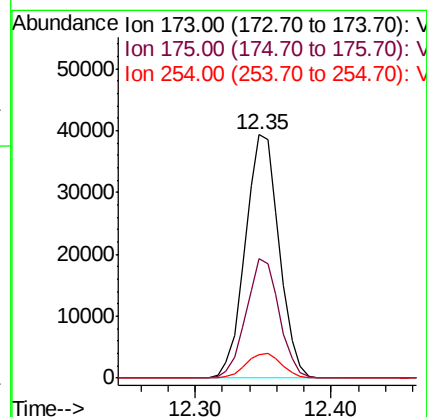
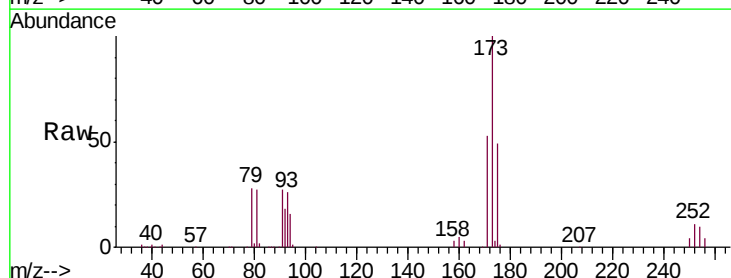
Tgt Ion: 173 Resp: 68511

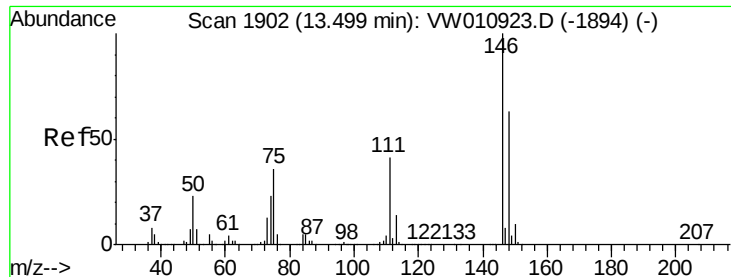
Ion Ratio Lower Upper

173 100

175 48.2 40.1 60.1

254 10.6 8.5 12.7

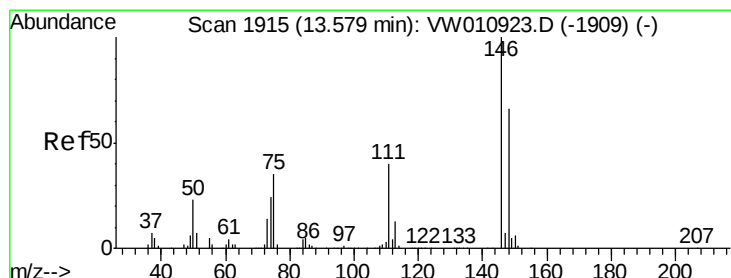
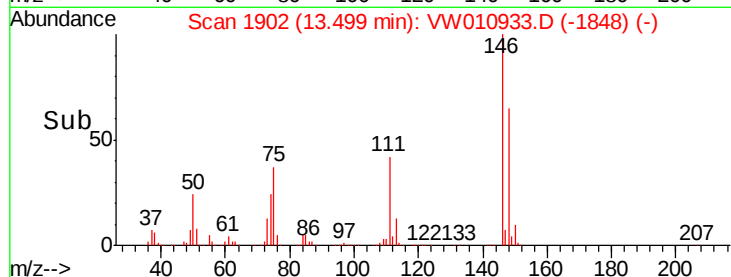
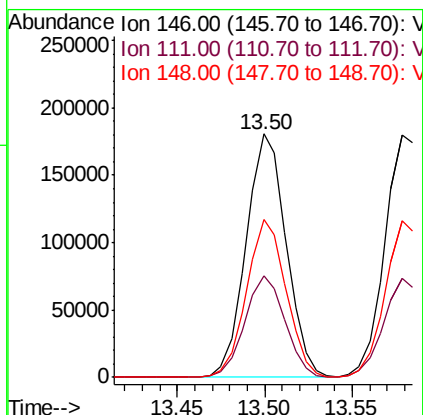
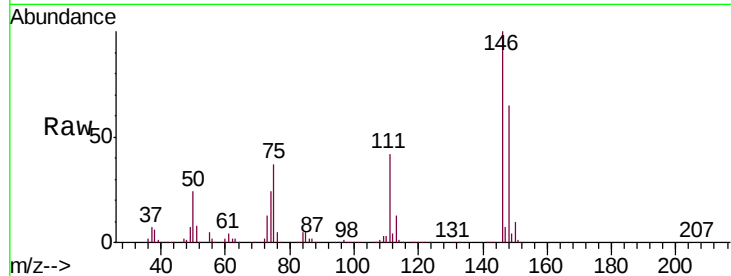




#63
 1,3-Dichlorobenzene
 Concen: 24.245 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

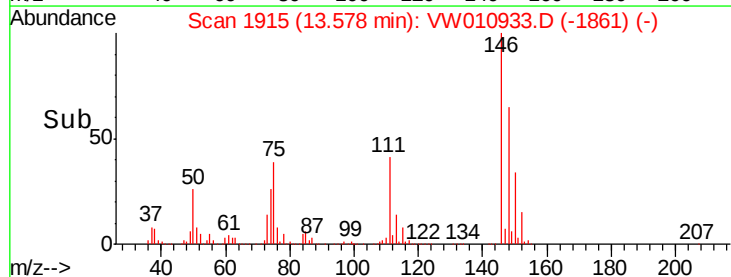
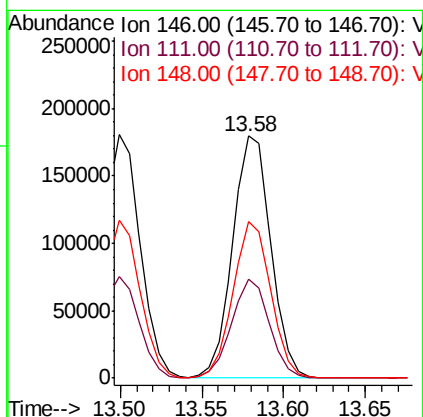
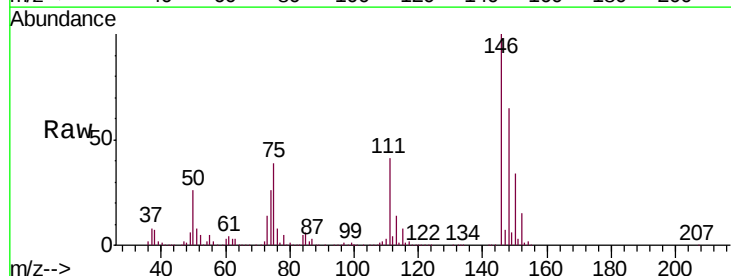
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

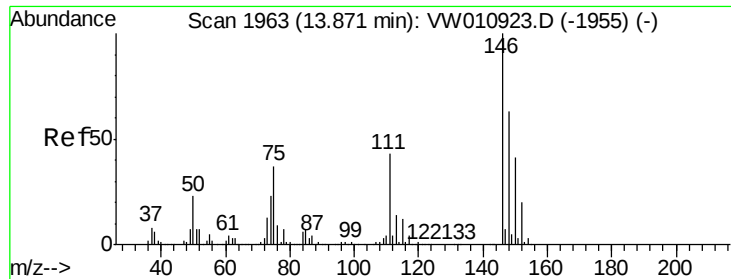
Tgt Ion:146 Resp: 287252
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.9 53.7
 148 65.1 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 24.641 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion:146 Resp: 293258
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.9 51.9
 148 64.9 46.0 85.4

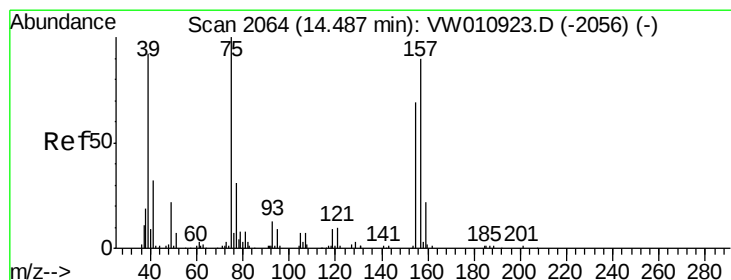
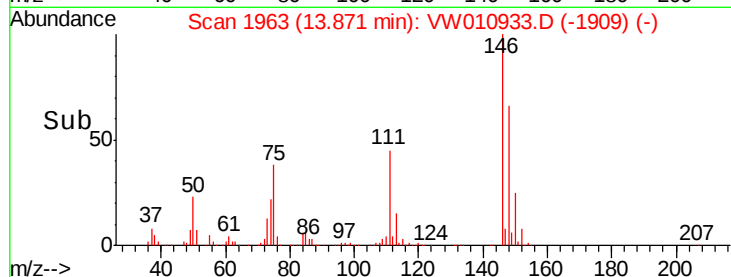
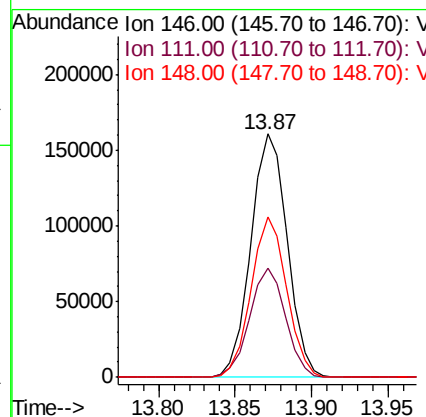
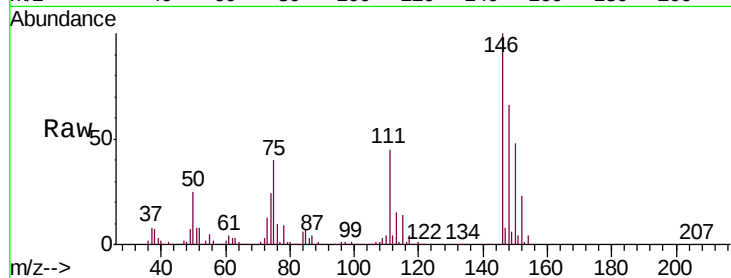




#65
 1,2-Dichlorobenzene
 Concen: 24.294 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

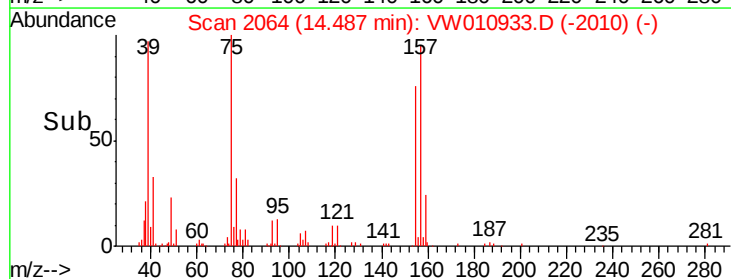
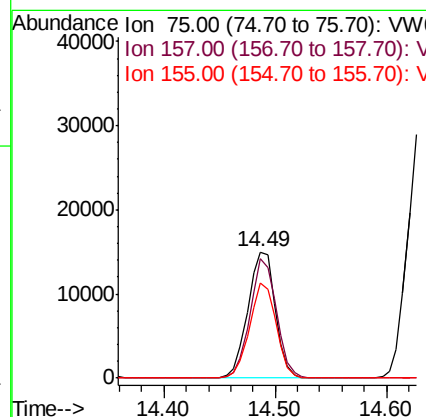
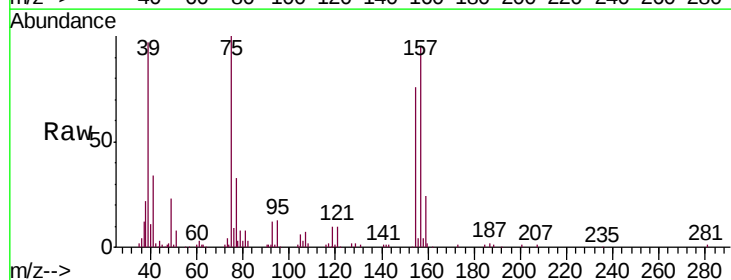
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

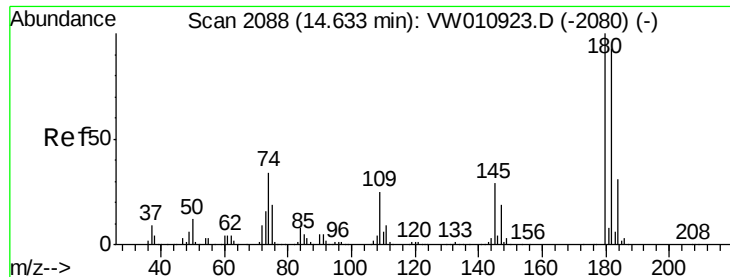
Tgt Ion: 146 Resp: 266213
 Ion Ratio Lower Upper
 146 100
 111 44.9 34.6 51.8
 148 66.0 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.836 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion: 75 Resp: 25605
 Ion Ratio Lower Upper
 75 100
 157 94.8 71.8 107.8
 155 76.0 55.2 82.8

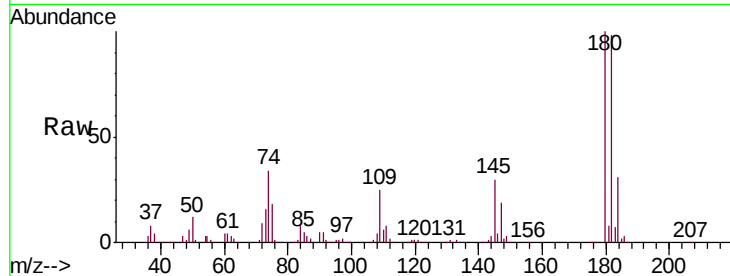




#67
 1,3,5-Trichlorobenzene
 Concen: 25.134 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
184	30.5	24.3	36.5
145	30.0	24.2	36.2



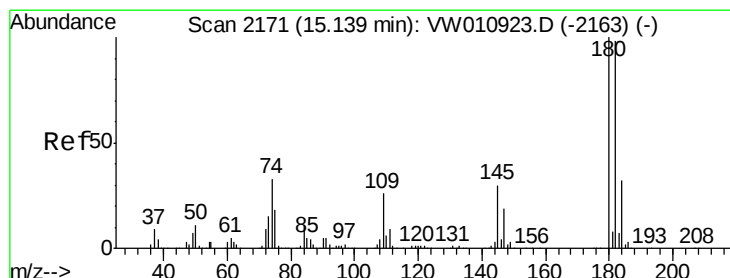
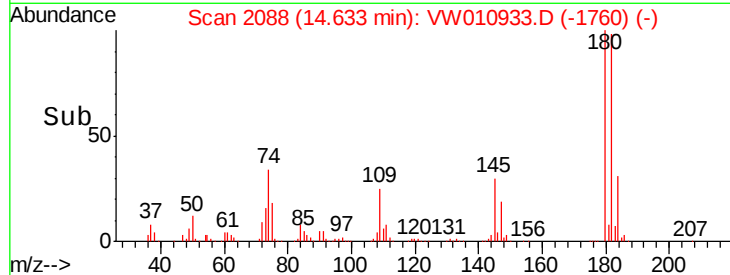
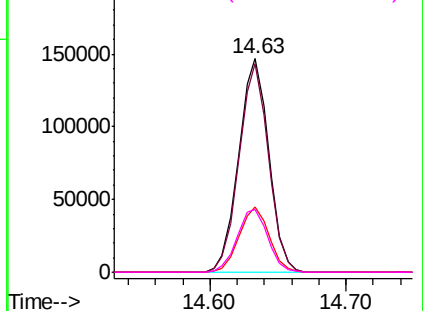
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

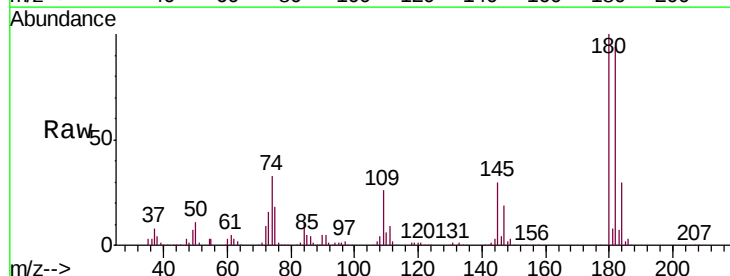
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.779 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010933.D
 Acq: 24 Jun 2019 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	30.7	24.2	36.4

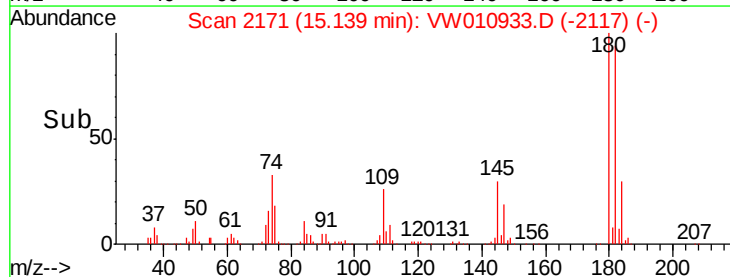
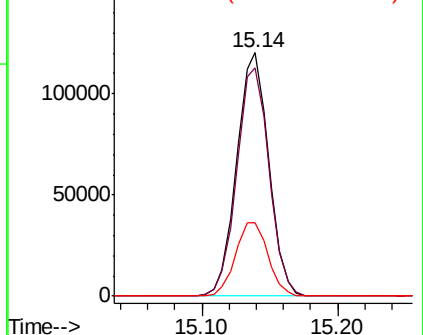


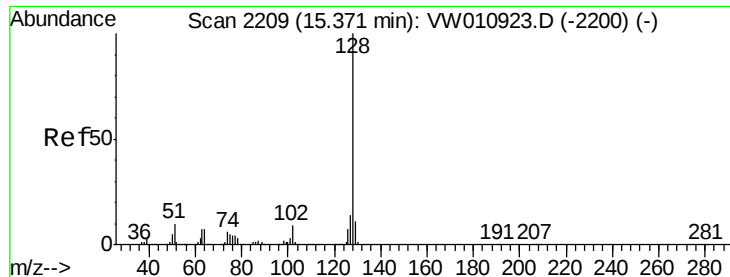
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.522 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

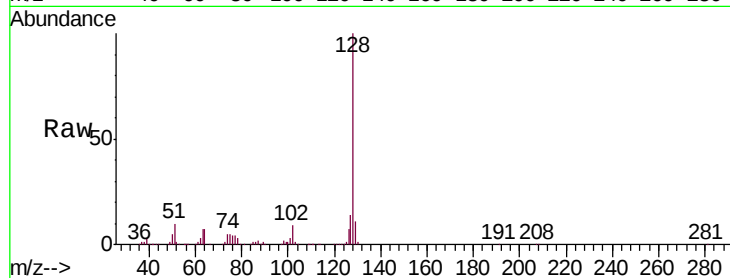
Tgt Ion:128 Resp: 416248

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

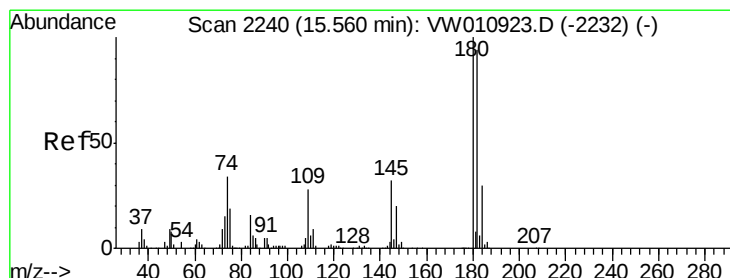
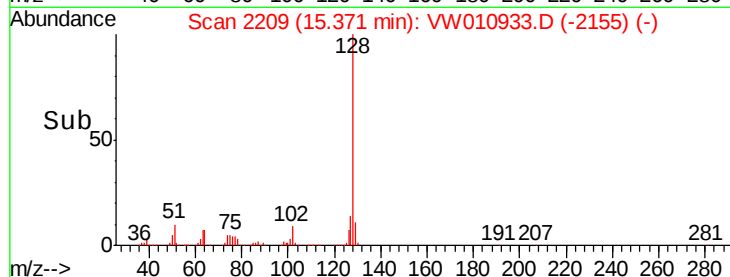
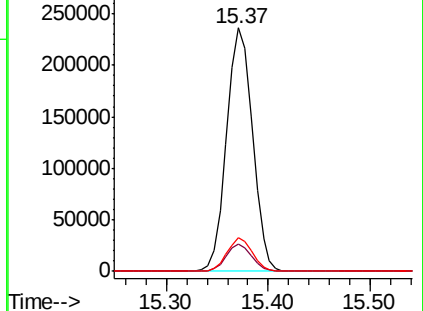
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.758 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010933.D

Acq: 24 Jun 2019 16:28

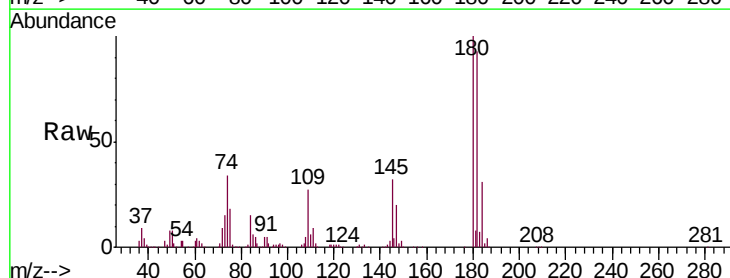
Tgt Ion:180 Resp: 178823

Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 32.9 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

