

Data File : VW009905.D
Acq On : 11 Apr 2019 10:13
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Apr 12 01:52:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	571684	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	535867	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	268136	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	196223	26.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.92%
7) Chloroethane-d5	2.89	69	164851	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.20%
10) 1,1-Dichloroethene-d2	4.01	63	471619	29.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	117.24%#
20) 2-Butanone-d5	7.07	46	128961	53.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.18%
24) Chloroform-d	7.65	84	436312	27.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.88%
26) 1,2-Dichloroethane-d4	8.31	65	253559	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	8.27	84	833942	29.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.60%
33) 1,2-Dichloropropane-d6	9.27	67	246588	28.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.52%
37) Toluene-d8	10.32	98	765955	29.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.80%
38) trans-1,3-Dichloropropene-	10.58	79	113663	27.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.72%
39) 2-Hexanone-d5	10.93	63	94898	57.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	212869	26.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	257737	27.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	197450	26.220 ug/L	96
3) Chloromethane	2.21	50	161149	20.707 ug/L	99
5) Vinyl chloride	2.37	62	223692	22.408 ug/L	96
6) Bromomethane	2.78	94	133901	19.385 ug/L	99
8) Chloroethane	2.93	64	141271	21.562 ug/L	100
9) Trichlorofluoromethane	3.26	101	133747	21.841 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	217661	27.326 ug/L	95
12) 1,1-Dichloroethene	4.04	96	202135	26.621 ug/L	82
13) Acetone	4.12	43	130948	50.317 ug/L	97
14) Carbon disulfide	4.38	76	570746	24.182 ug/L	99
15) Methyl Acetate	4.67	43	113830	23.988 ug/L	99
16) Methylene chloride	4.92	84	220500	21.870 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	279956	26.764 ug/L #	77
18) trans-1,2-Dichloroethene	5.42	96	205453	26.017 ug/L	94
19) 1,1-Dichloroethane	6.21	63	407911	26.917 ug/L	97
21) 2-Butanone	7.17	43	168579	50.932 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	223209	26.428 ug/L	99

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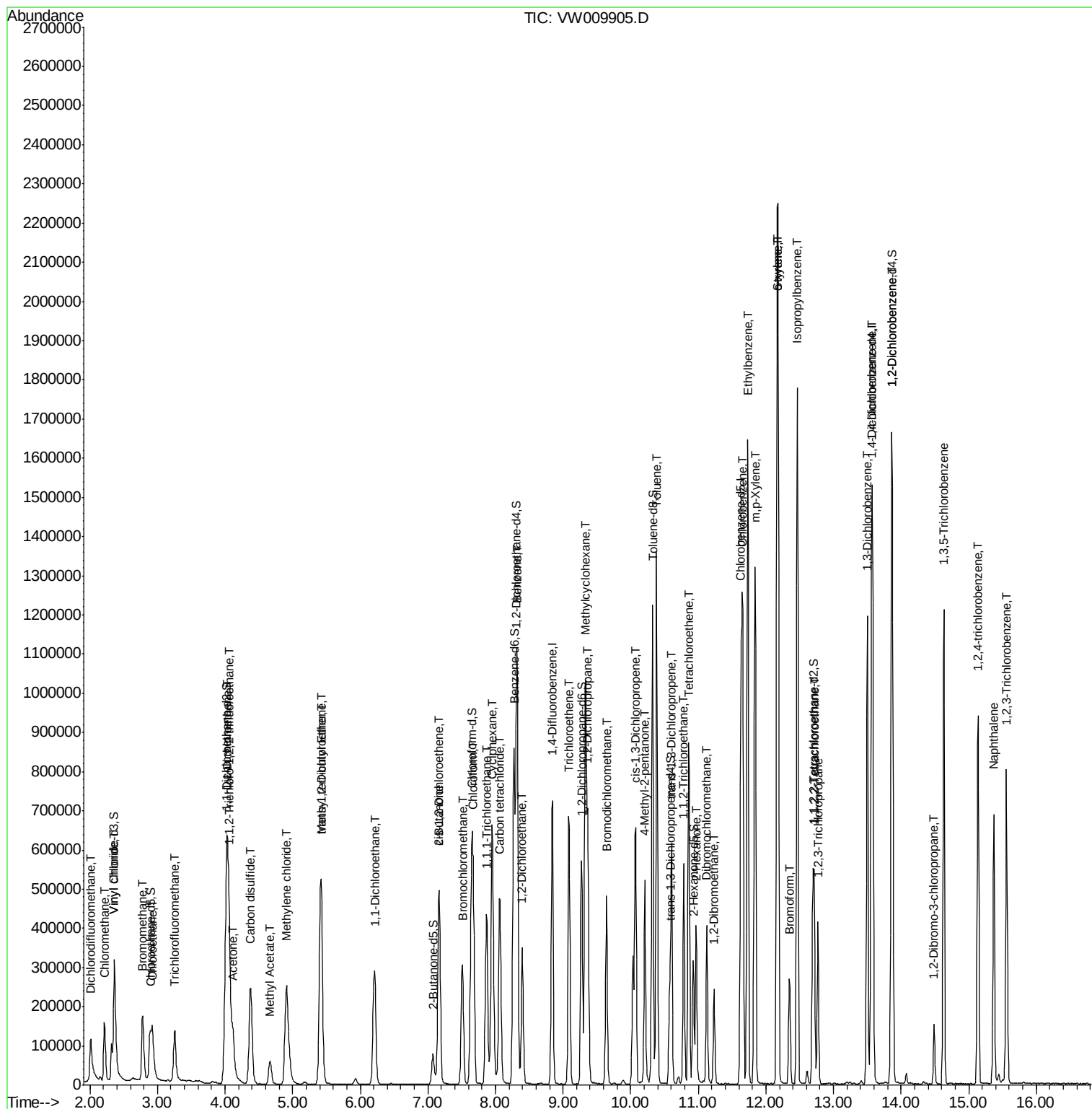
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	99840	25.766	ug/L	97
25) Chloroform	7.67	83	418297	26.351	ug/L	99
27) 1,2-Dichloroethane	8.40	62	310627	25.872	ug/L	99
30) Cyclohexane	7.95	56	364754	28.839	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	339413	27.921	ug/L	99
32) Carbon tetrachloride	8.06	117	335560	27.533	ug/L	99
34) Benzene	8.32	78	878429	27.246	ug/L	100
35) Trichloroethene	9.09	95	228866	27.125	ug/L	99
36) Methylcyclohexane	9.34	83	395163	28.487	ug/L	100
40) 1,2-Dichloropropane	9.37	63	226415	27.434	ug/L	98
41) Bromodichloromethane	9.64	83	304752	26.761	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	349043	27.299	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	341060	53.201	ug/L	100
44) Toluene	10.38	91	942997	27.610	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	299598	27.179	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	160420	25.896	ug/L	94
47) Tetrachloroethene	10.86	164	181920	27.376	ug/L	98
49) 2-Hexanone	10.97	43	258941	54.246	ug/L	99
50) Dibromochloromethane	11.13	129	197599	25.963	ug/L	97
51) 1,2-Dibromoethane	11.23	107	158352	25.504	ug/L	99
52) Chlorobenzene	11.66	112	585378	26.627	ug/L	99
53) Ethylbenzene	11.73	91	1090852	28.038	ug/L	99
54) m,p-Xylene	11.84	106	400518	27.833	ug/L	99
55) o-xylene	12.17	106	383391	27.975	ug/L	96
56) Styrene	12.18	104	659773	27.745	ug/L	99
57) Isopropylbenzene	12.46	105	1076815	28.694	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	215825	25.909	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	159730	25.760	ug/L	100
62) Bromoform	12.35	173	116303	24.669	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	447633	26.987	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	466014	26.347	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	425152	26.792	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	36687	23.751	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	340376	27.657	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	273047	27.626	ug/L	99
69) Naphthalene	15.37	128	555036	27.941	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	259798	28.099	ug/L	100

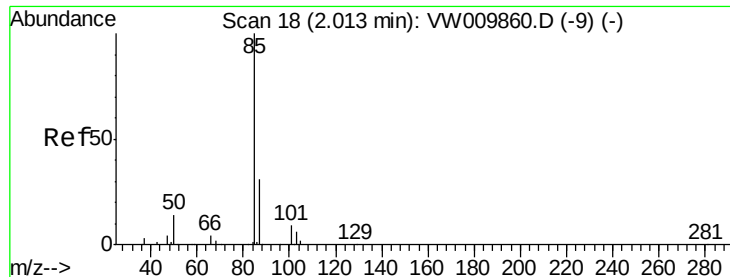
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.220 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

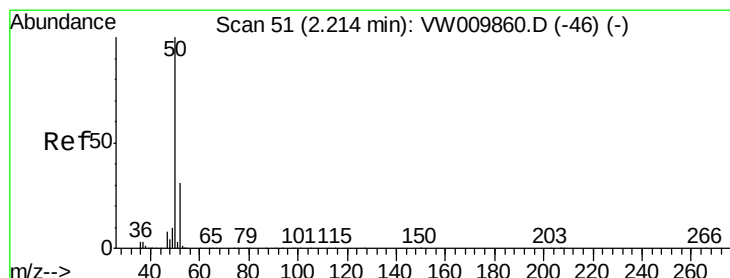
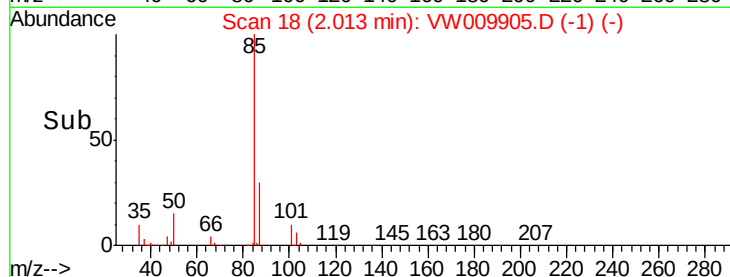
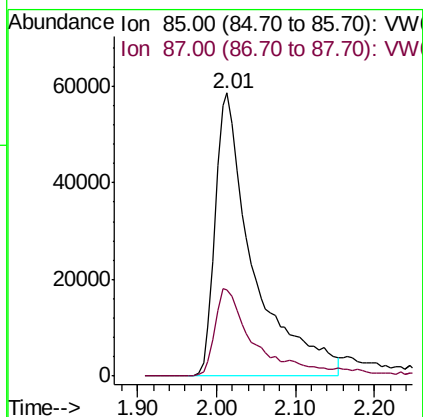
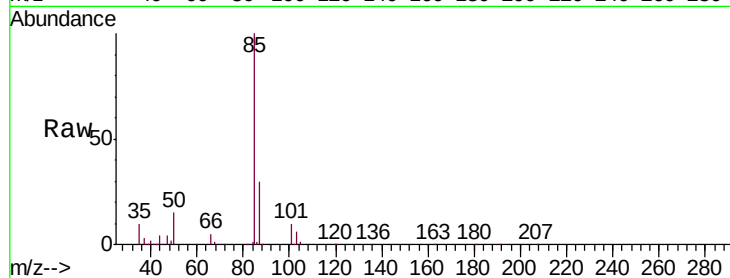
VSTD02527

Tgt Ion: 85 Resp: 197450

Ion Ratio Lower Upper

85 100

87 27.7 18.1 33.5



#3

Chloromethane

Concen: 20.707 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009905.D

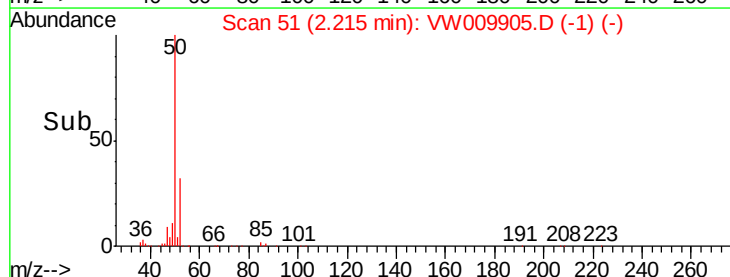
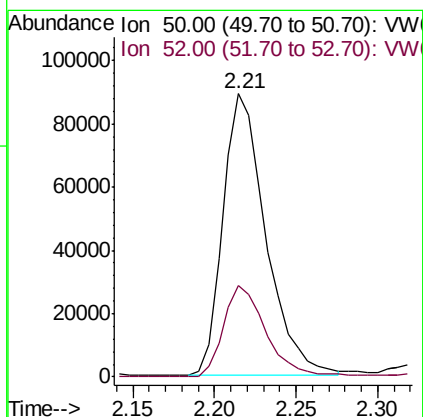
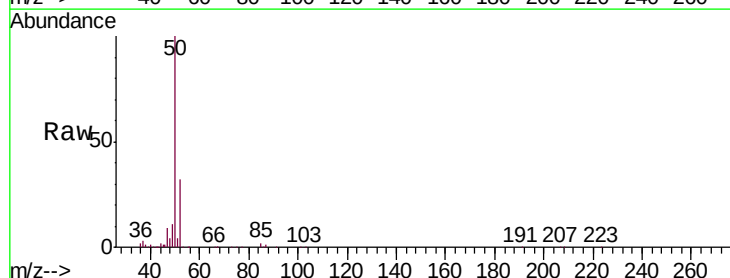
Acq: 11 Apr 2019 10:13

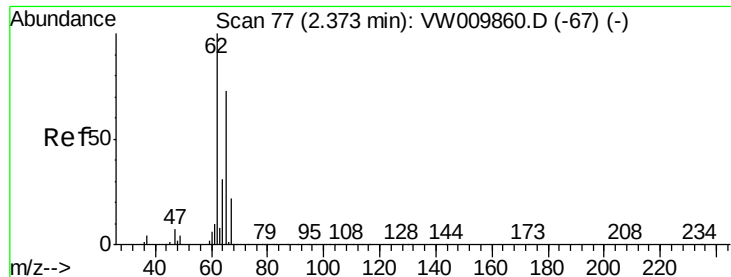
Tgt Ion: 50 Resp: 161149

Ion Ratio Lower Upper

50 100

52 32.3 22.3 41.3





#5

Vinyl chloride

Concen: 22.408 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

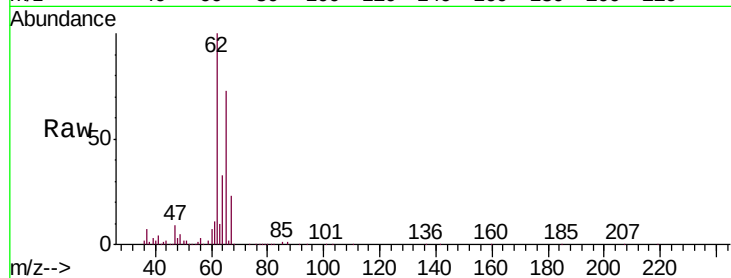
VSTD02527

Tgt Ion: 62 Resp: 223692

Ion Ratio Lower Upper

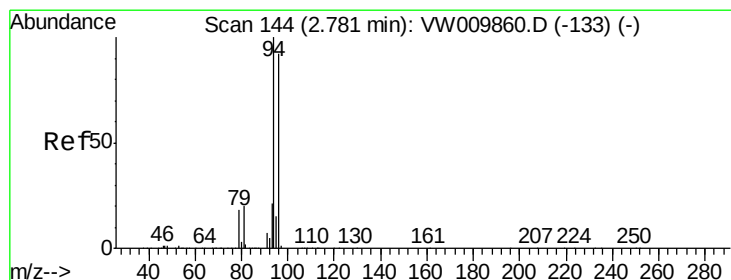
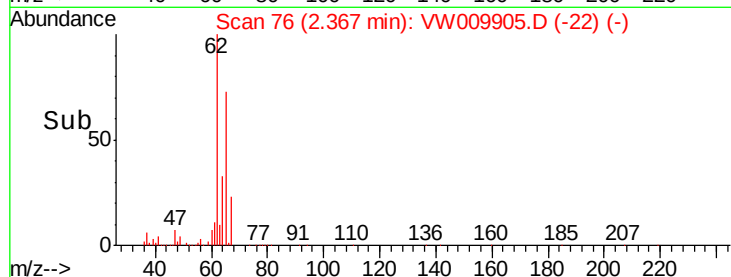
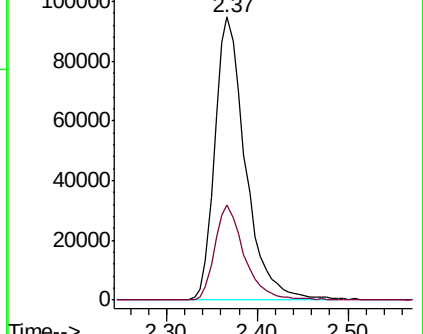
62 100

64 33.4 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 19.385 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009905.D

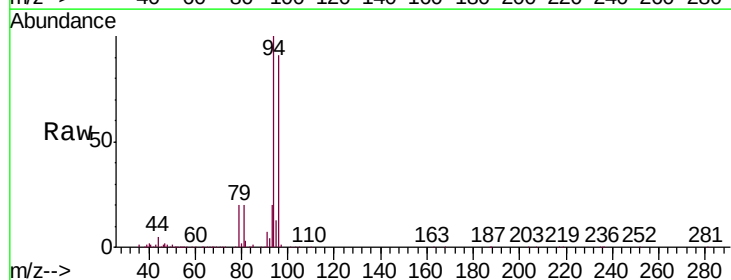
Acq: 11 Apr 2019 10:13

Tgt Ion: 94 Resp: 133901

Ion Ratio Lower Upper

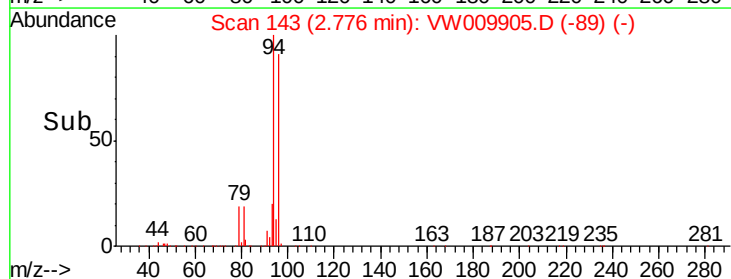
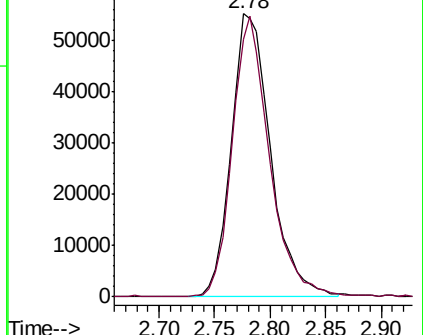
94 100

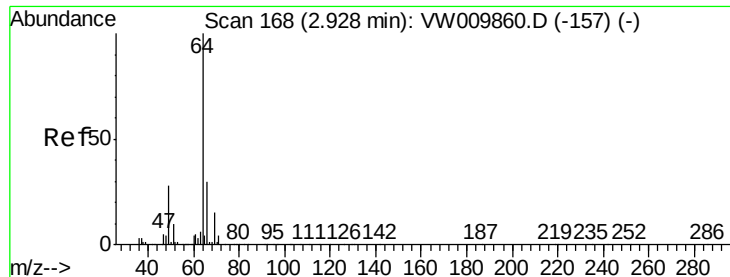
96 94.1 9.3 177.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 21.562 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

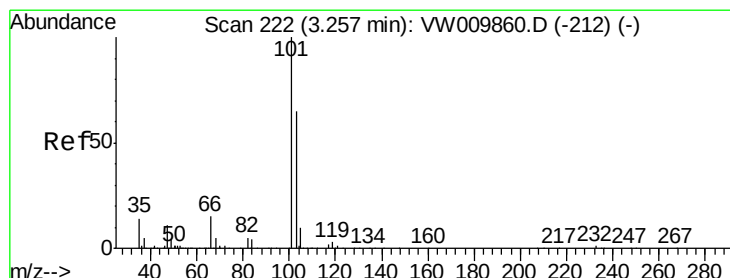
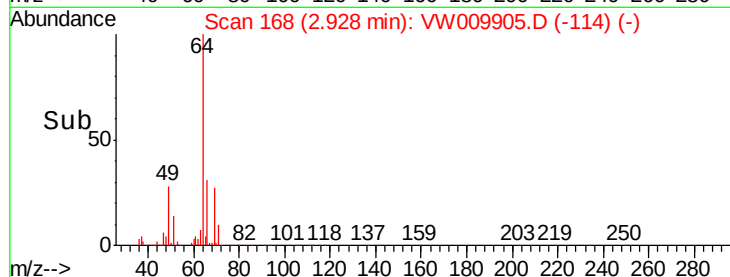
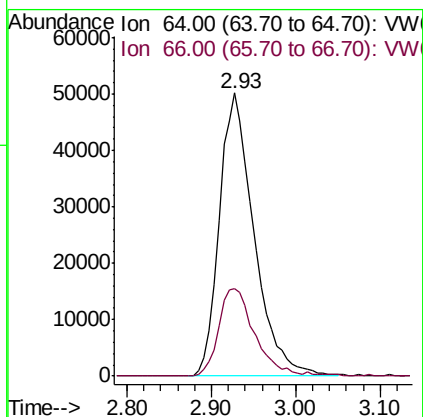
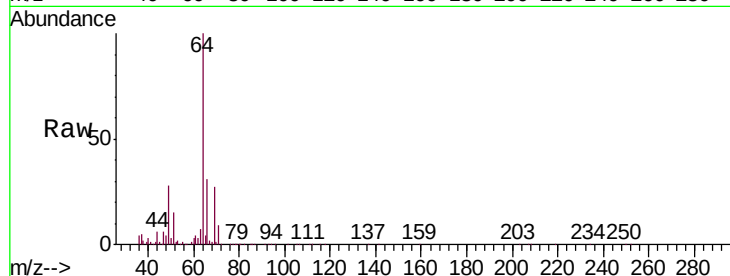
VSTD02527

Tgt Ion: 64 Resp: 141271

Ion Ratio Lower Upper

64 100

66 30.8 21.6 40.2



#9

Trichlorofluoromethane

Concen: 21.841 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW009905.D

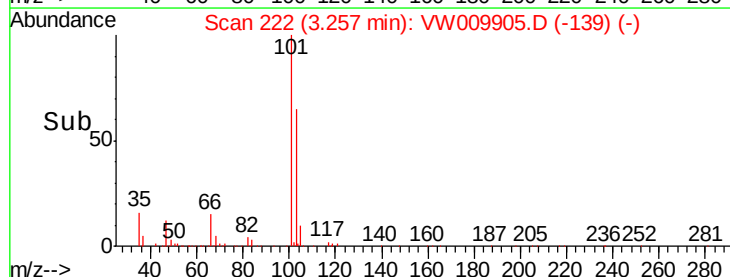
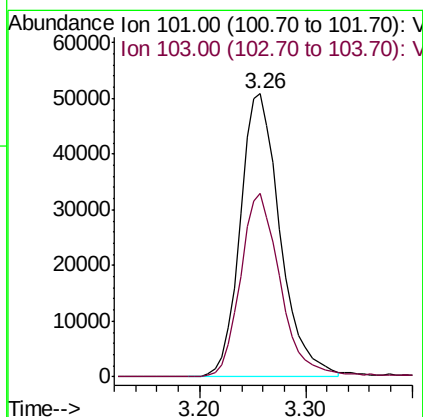
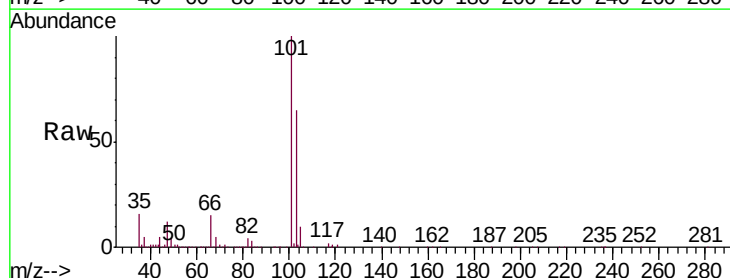
Acq: 11 Apr 2019 10:13

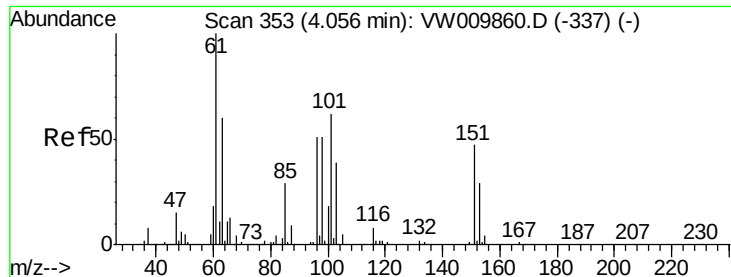
Tgt Ion: 101 Resp: 133747

Ion Ratio Lower Upper

101 100

103 65.4 45.1 83.7





#11

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

Concen: 27.326 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

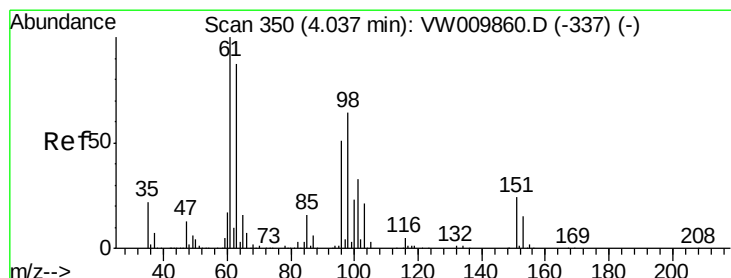
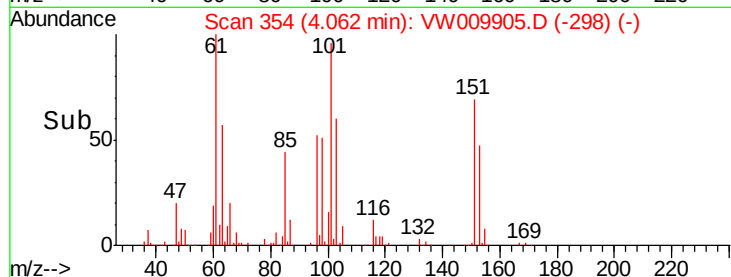
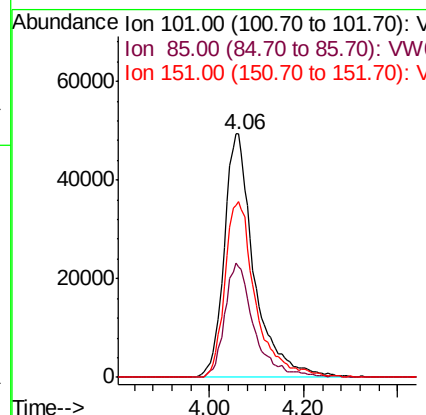
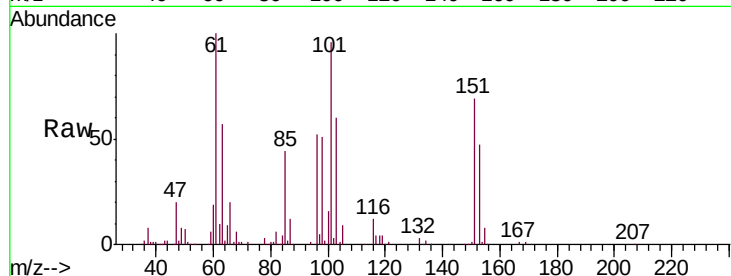
Instrument :

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ClientSampleId :

VSTD02527

Tgt Ion:	101	Resp:	217661
Ion	Ratio	Lower	Upper
101	100		
85	44.0	37.8	56.6
151	71.1	60.6	91.0



#12

1,1-Dichloroethene

Concen: 26.621 ug/L

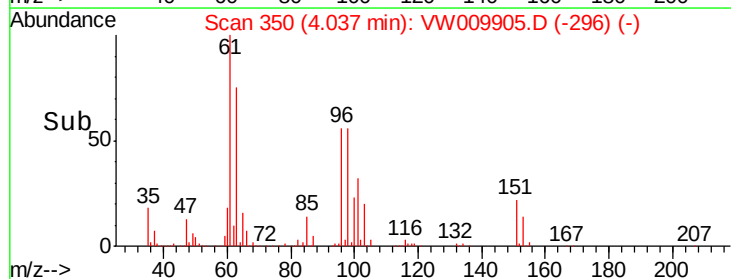
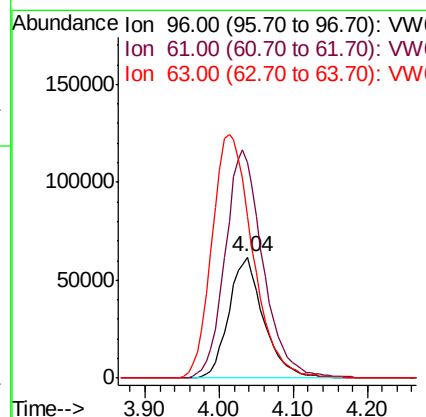
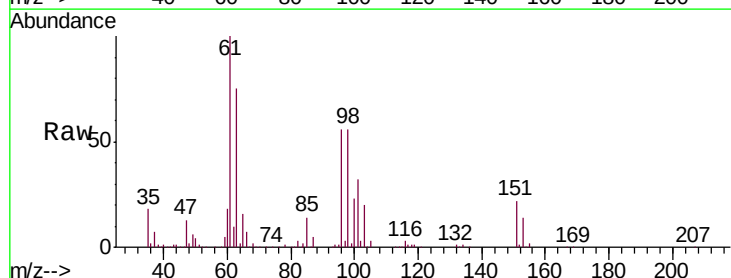
RT: 4.04 min Scan# 350

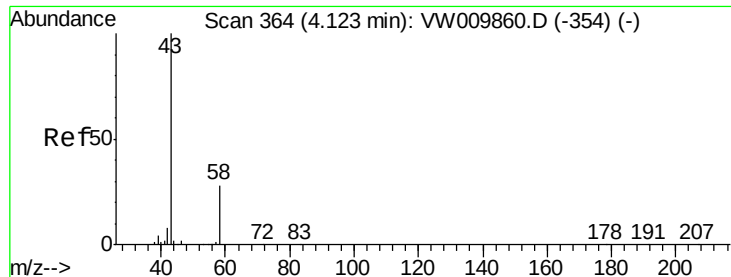
Delta R.T. 0.00 min

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Tgt Ion:	96	Resp:	202135
Ion	Ratio	Lower	Upper
96	100		
61	178.0	138.8	257.8
63	132.8	114.6	212.8





#13

Acetone

Concen: 50.317 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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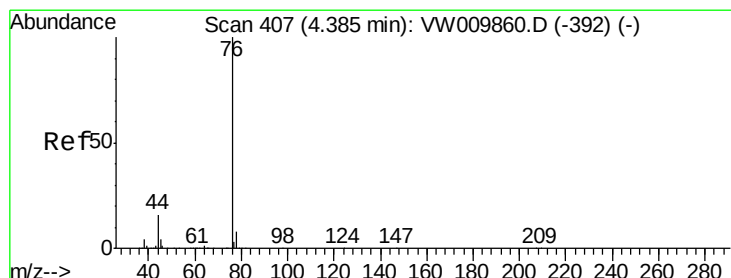
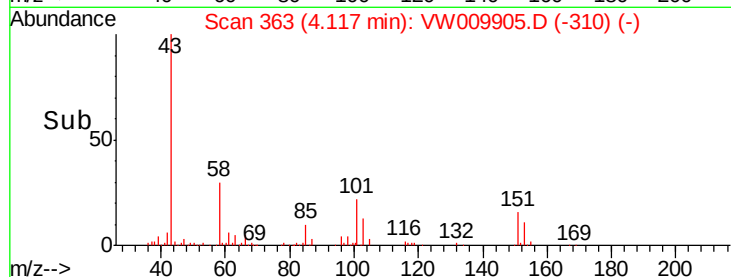
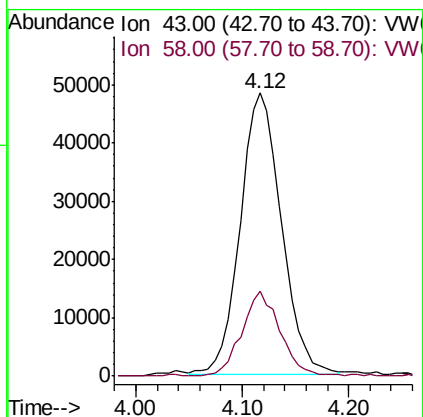
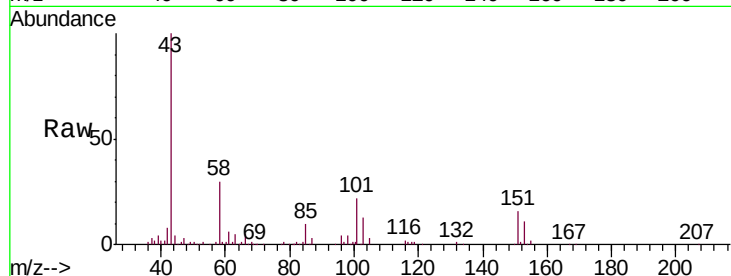
VSTD02527

Tgt Ion: 43 Resp: 130948

Ion Ratio Lower Upper

43 100

58 27.8 0.0 53.0



#14

Carbon disulfide

Concen: 24.182 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009905.D

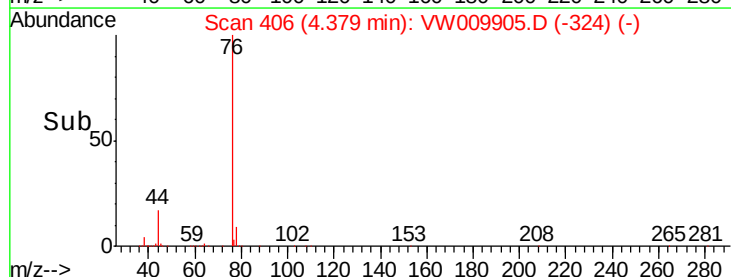
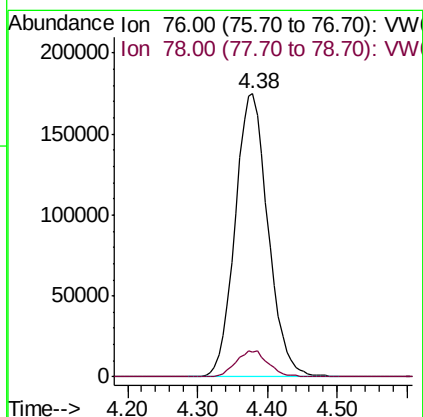
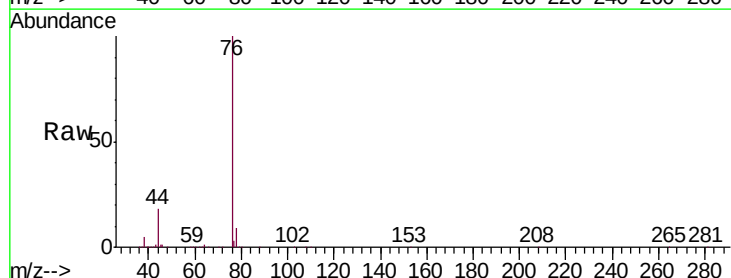
Acq: 11 Apr 2019 10:13

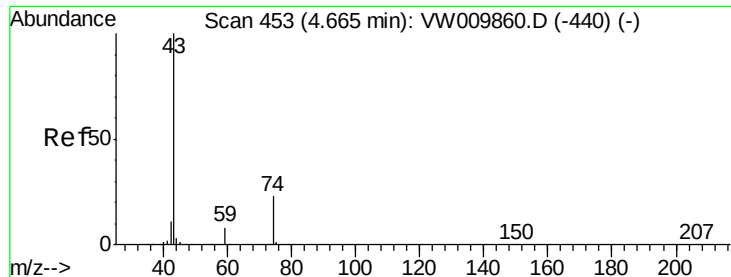
Tgt Ion: 76 Resp: 570746

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 23.988 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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ClientSampleId :

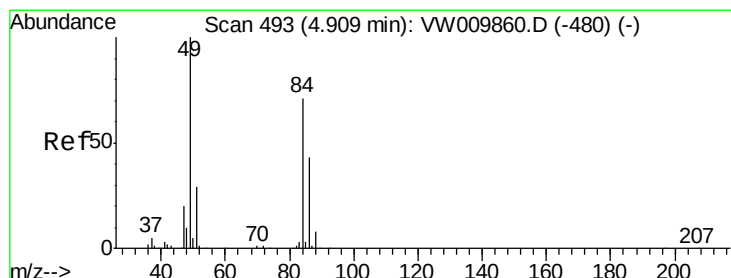
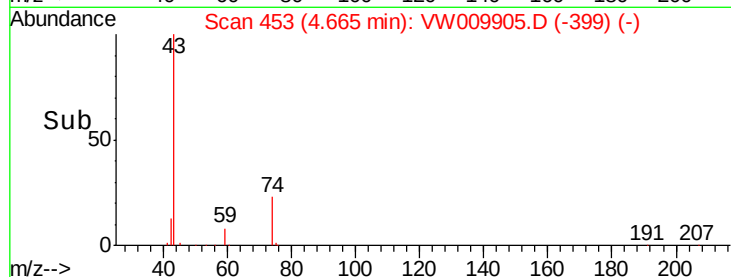
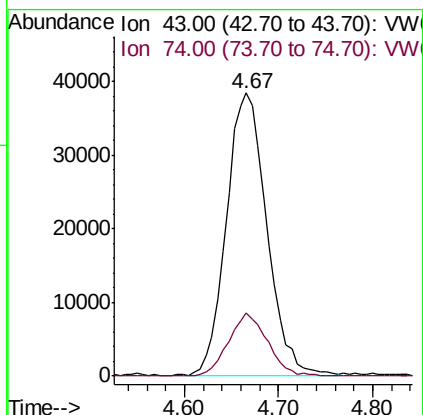
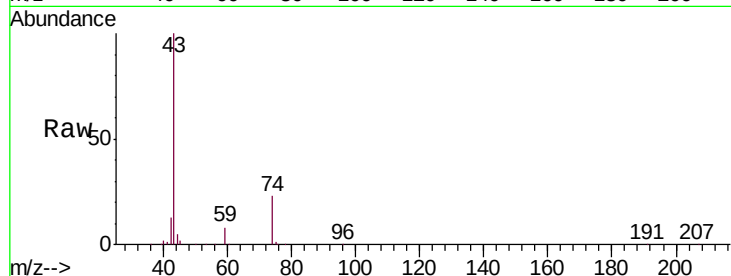
VSTD02527

Tgt Ion: 43 Resp: 113830

Ion Ratio Lower Upper

43 100

74 21.8 17.2 25.8



#16

Methylene chloride

Concen: 21.870 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

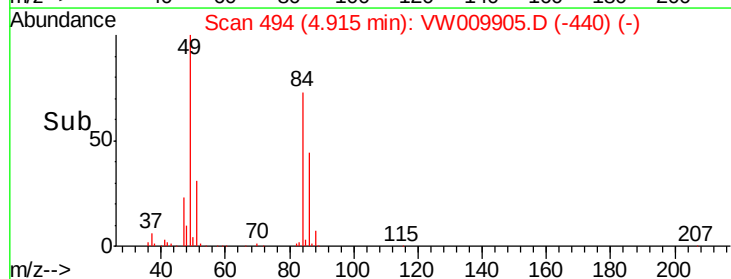
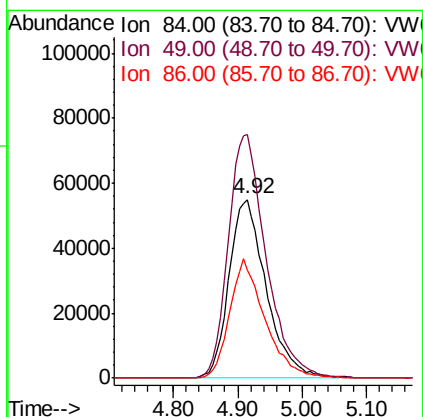
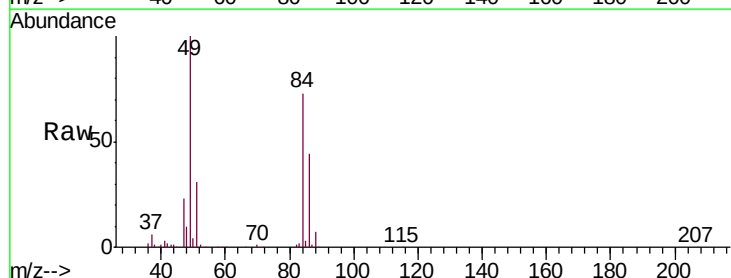
Tgt Ion: 84 Resp: 220500

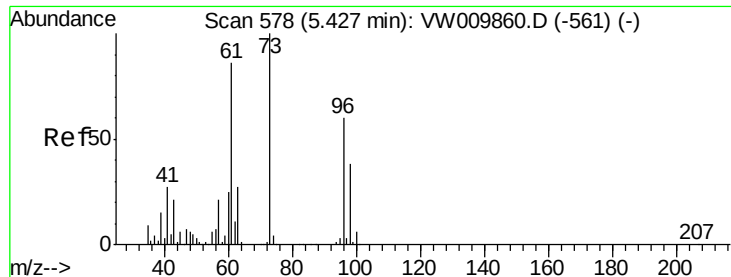
Ion Ratio Lower Upper

84 100

49 136.2 98.3 182.5

86 60.2 46.4 86.2

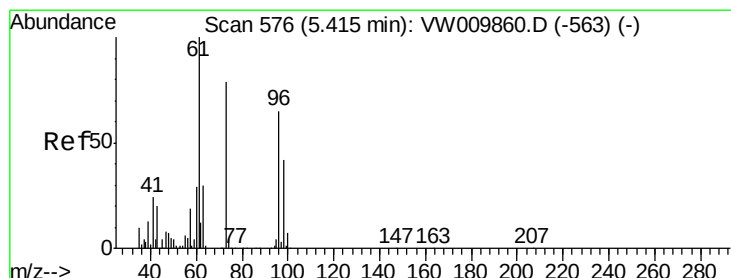
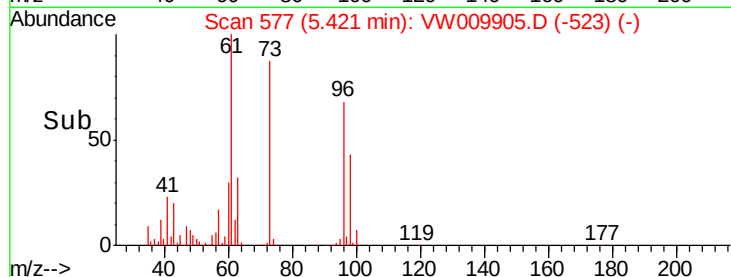
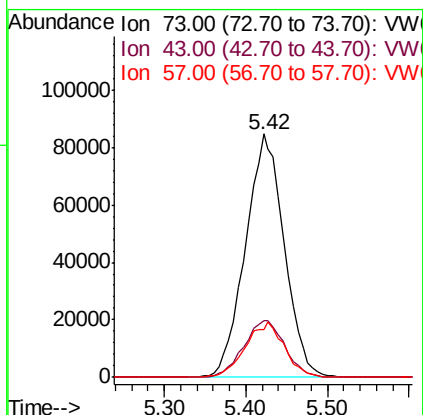
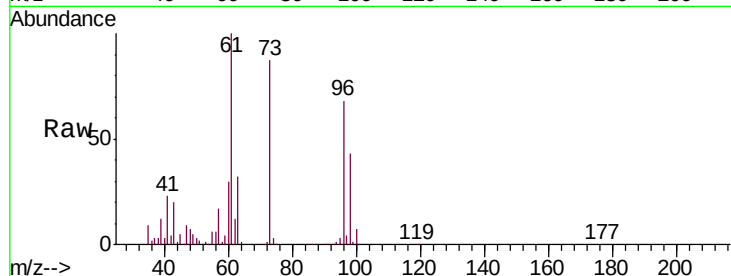




#17
Methyl tert-butyl Ether
Concen: 26.764 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009905.D
Acq: 11 Apr 2019 10:13

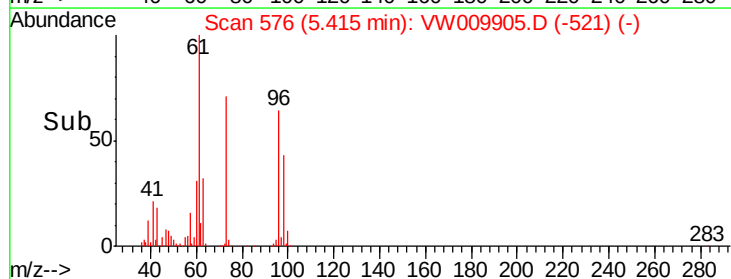
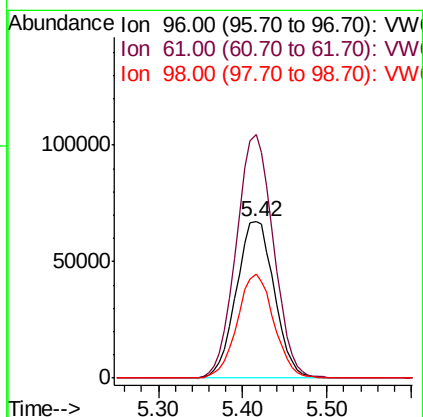
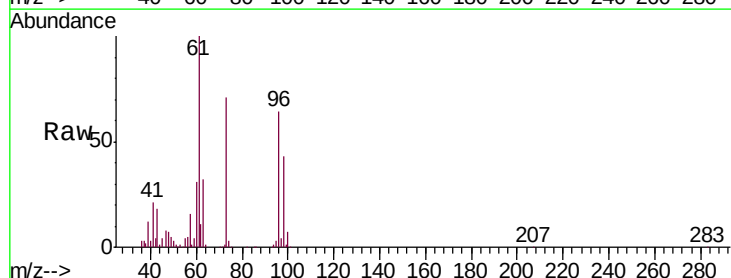
Instrument :
MSVOA_W
ClientSampled :
VSTD02527

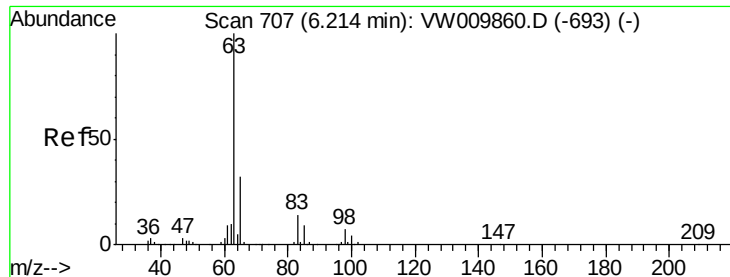
Tgt Ion: 73 Resp: 279956
Ion Ratio Lower Upper
73 100
43 24.3 20.2 30.2
57 0.0 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 26.017 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW009905.D
Acq: 11 Apr 2019 10:13

Tgt Ion: 96 Resp: 205453
Ion Ratio Lower Upper
96 100
61 155.7 103.7 192.5
98 66.8 43.7 81.1

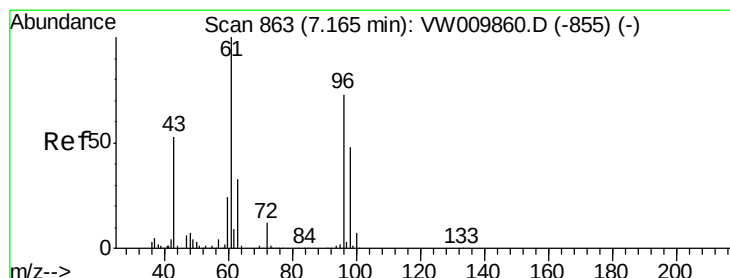
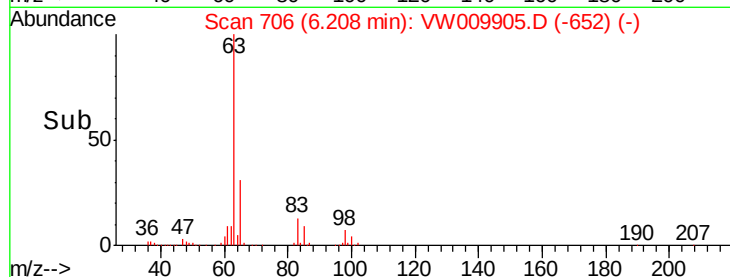
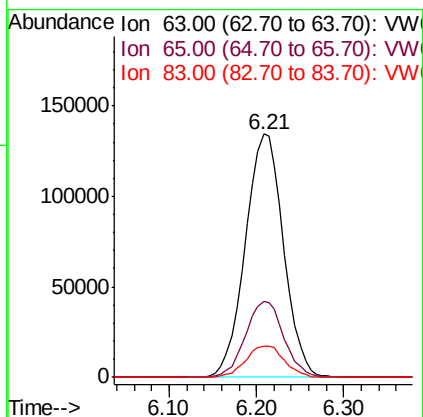
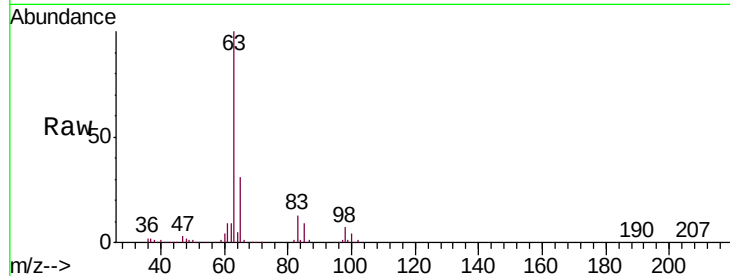




#19
 1,1-Dichloroethane
 Concen: 26.917 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

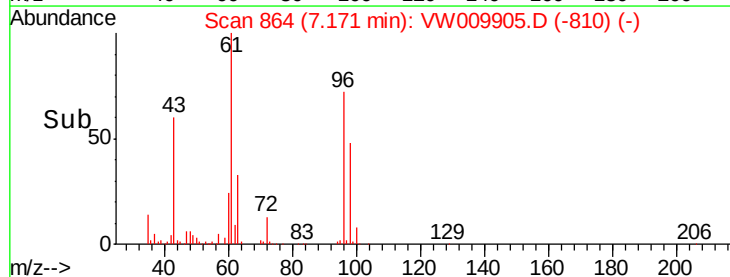
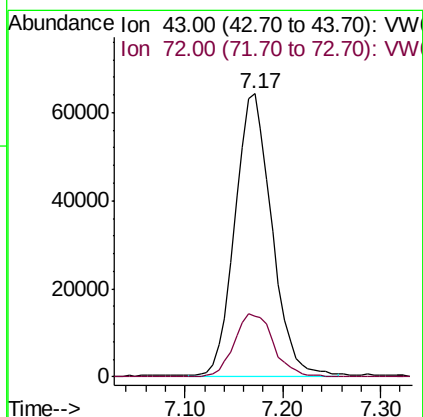
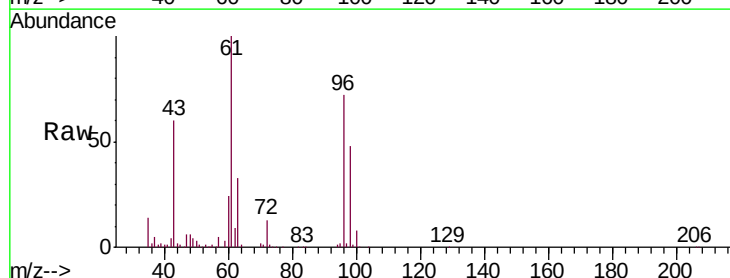
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02527

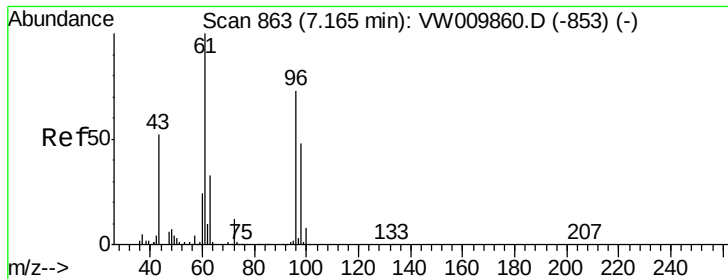
Tgt Ion: 63 Resp: 407911
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.6 42.0
 83 12.6 9.8 18.2



#21
 2-Butanone
 Concen: 50.932 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion: 43 Resp: 168579
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.0 36.1



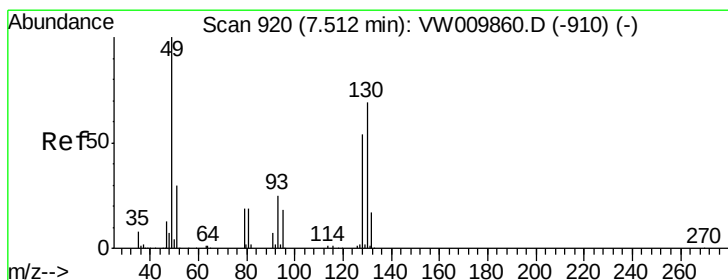
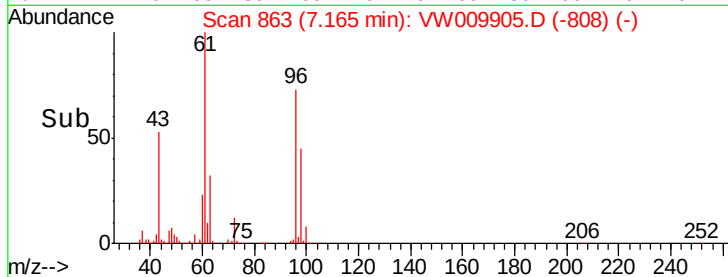
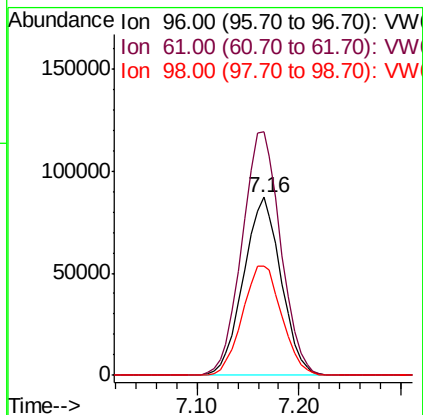
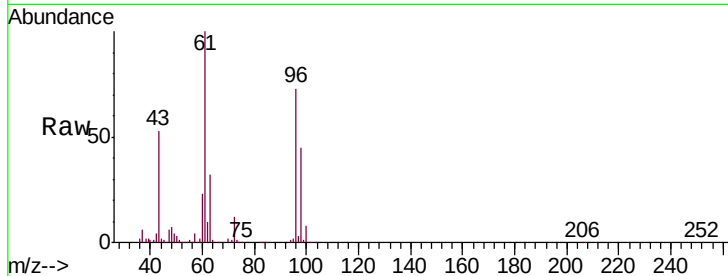


#22

cis-1,2-Dichloroethene
 Concen: 26.428 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

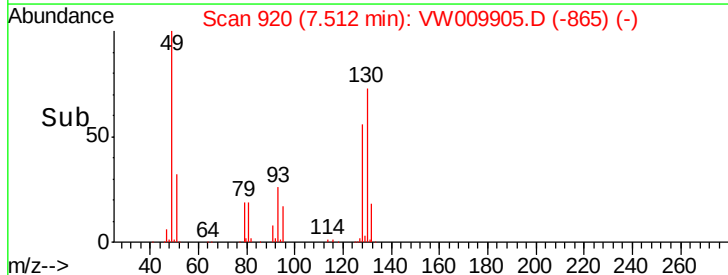
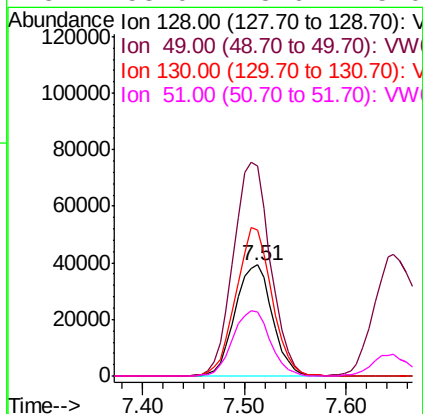
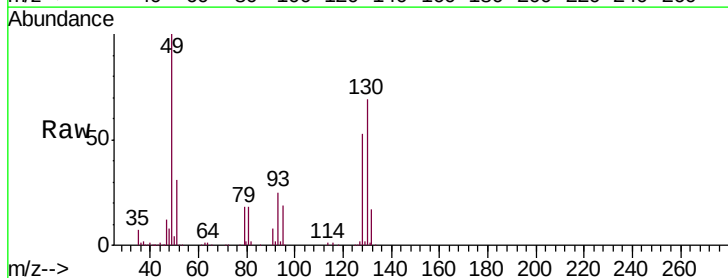
Tgt Ion: 96 Resp: 223209
 Ion Ratio Lower Upper
 96 100
 61 136.7 96.8 179.8
 98 61.1 43.5 80.9

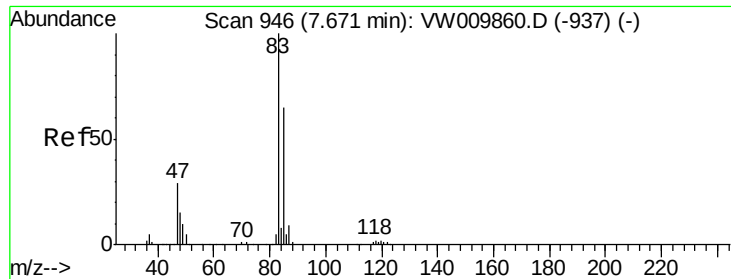


#23

Bromochloromethane
 Concen: 25.766 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion: 128 Resp: 99840
 Ion Ratio Lower Upper
 128 100
 49 188.5 132.6 246.2
 130 130.7 95.5 177.4
 51 58.0 48.6 73.0





#25

Chloroform

Concen: 26.351 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

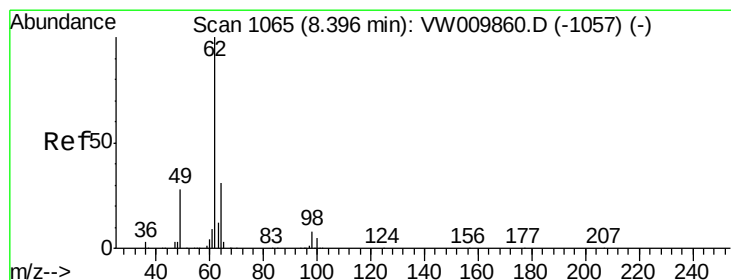
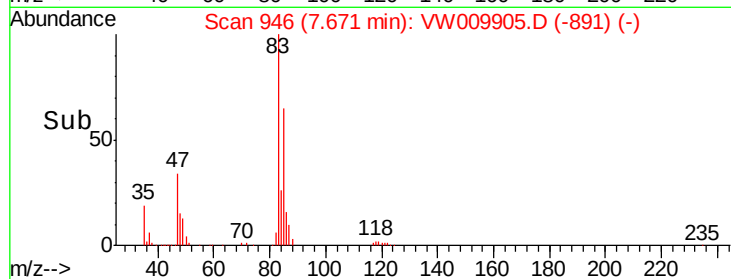
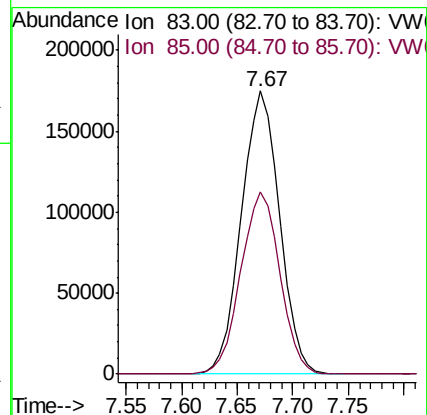
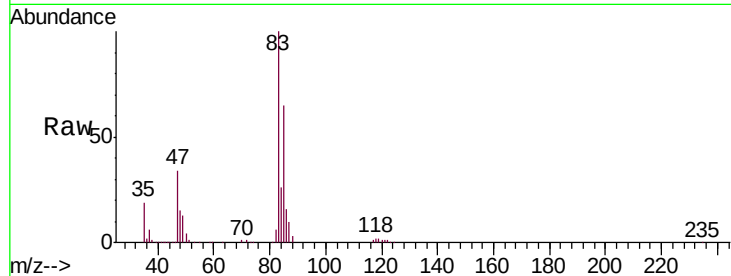
VSTD02527

Tgt Ion: 83 Resp: 418297

Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.8



#27

1,2-Dichloroethane

Concen: 25.872 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009905.D

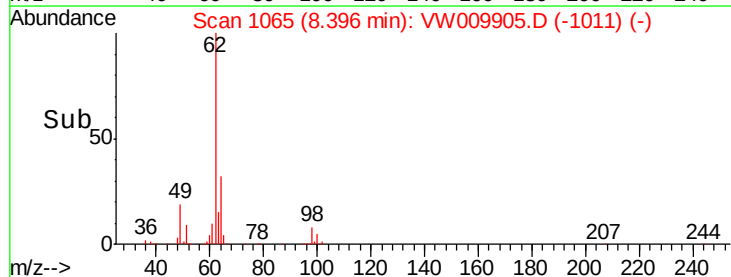
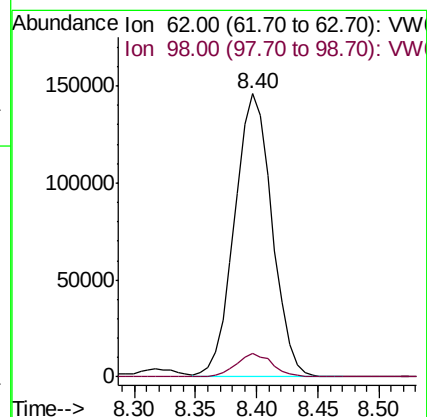
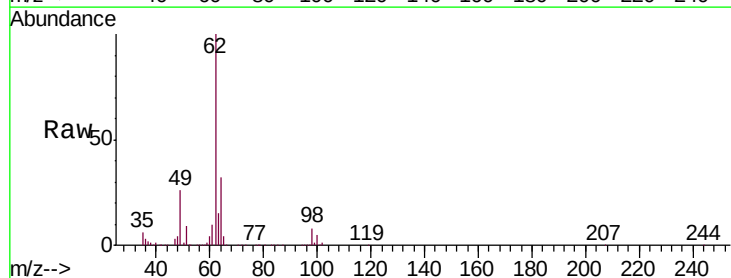
Acq: 11 Apr 2019 10:13

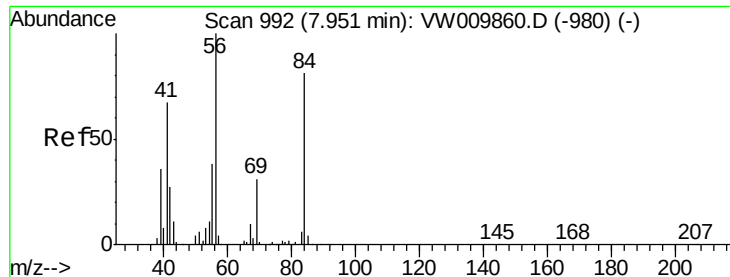
Tgt Ion: 62 Resp: 310627

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.4

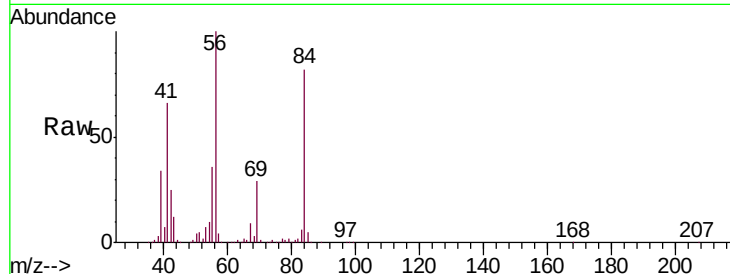




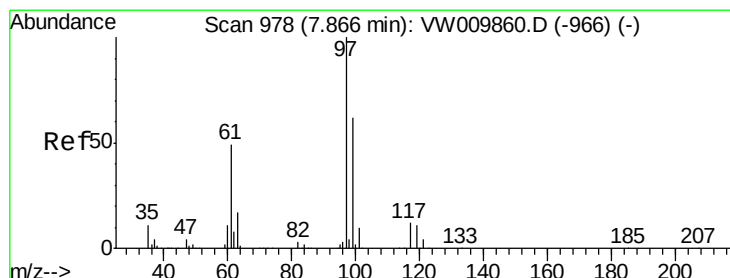
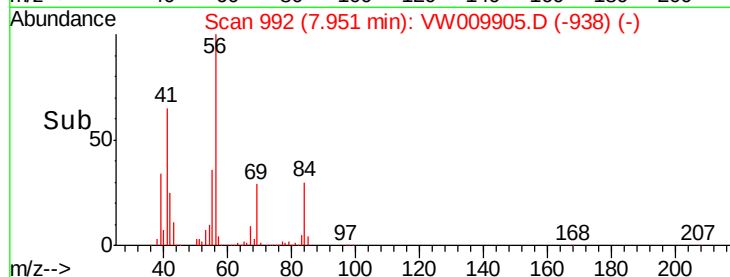
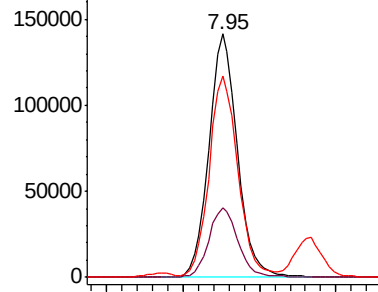
#30
Cyclohexane
Concen: 28.839 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009905.D
Acq: 11 Apr 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tgt Ion: 56 Resp: 364754
Ion Ratio Lower Upper
56 100
69 29.3 23.4 35.2
84 83.6 67.7 101.5

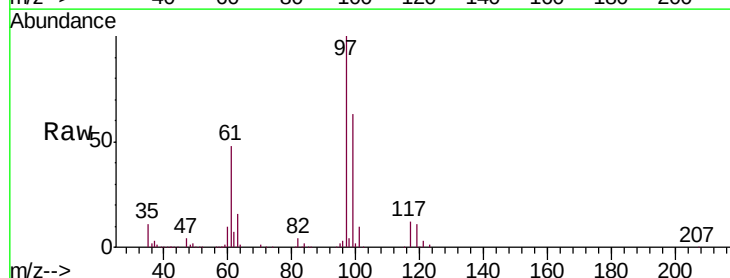


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

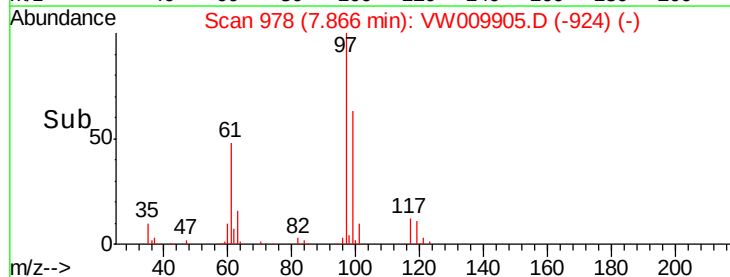
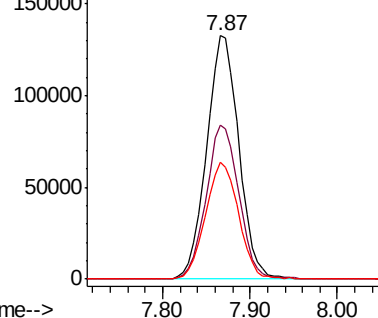


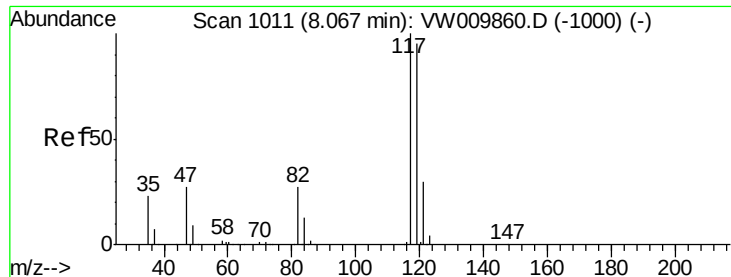
#31
1,1,1-Trichloroethane
Concen: 27.921 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009905.D
Acq: 11 Apr 2019 10:13

Tgt Ion: 97 Resp: 339413
Ion Ratio Lower Upper
97 100
99 64.0 50.8 76.2
61 49.0 38.6 57.8



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: 27.533 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

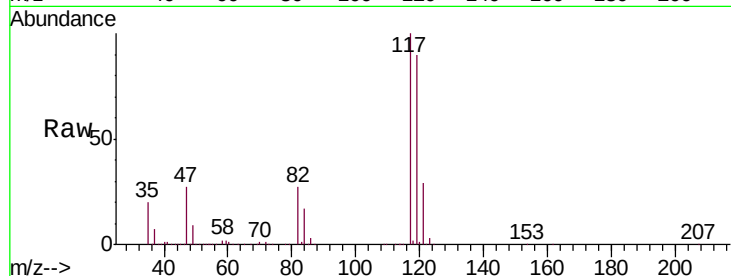
VSTD02527

Tgt Ion:117 Resp: 335560

Ion Ratio Lower Upper

117 100

119 95.0 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

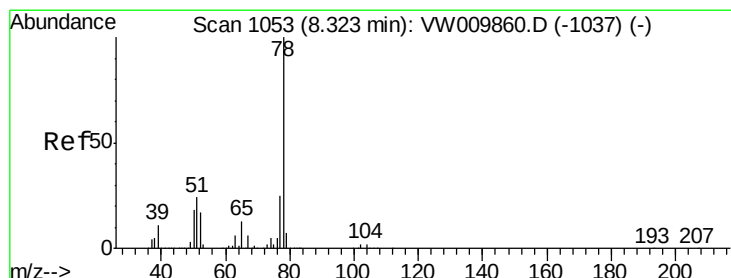
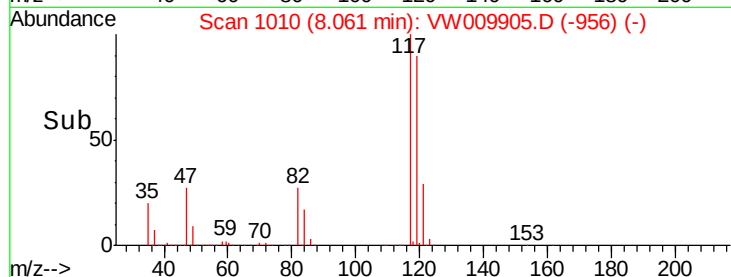
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 27.246 ug/L

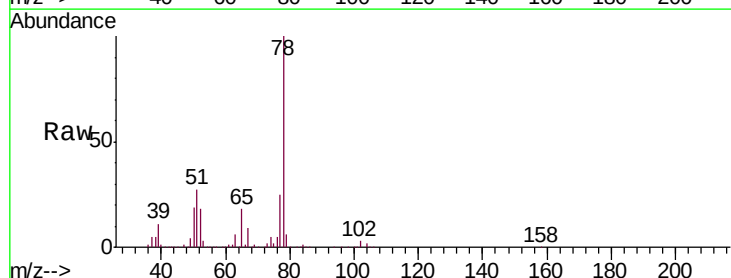
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Tgt Ion: 78 Resp: 878429



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

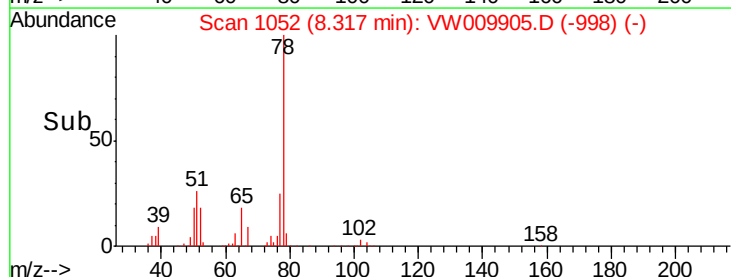
300000

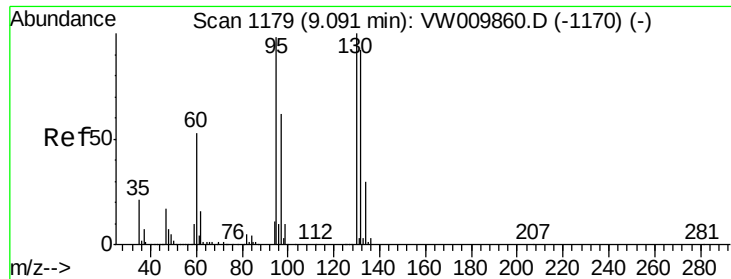
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 27.125 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 95 Resp: 228866

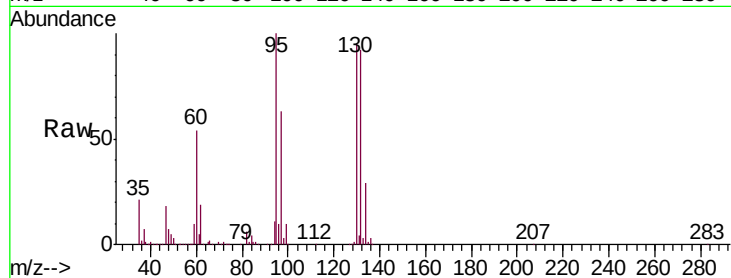
Ion Ratio Lower Upper

95 100

97 64.0 44.9 83.5

132 94.5 67.1 124.7

130 98.3 69.2 128.6

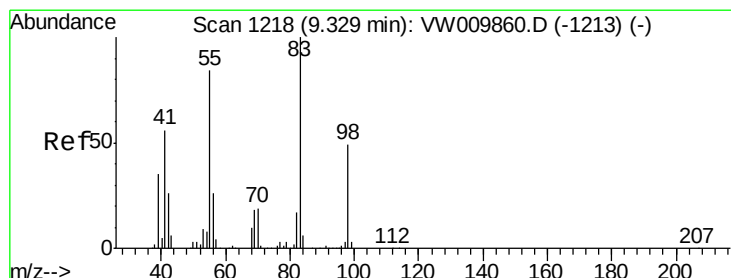
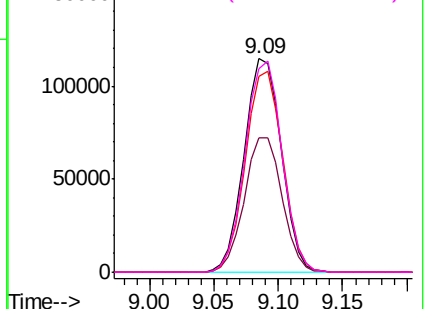
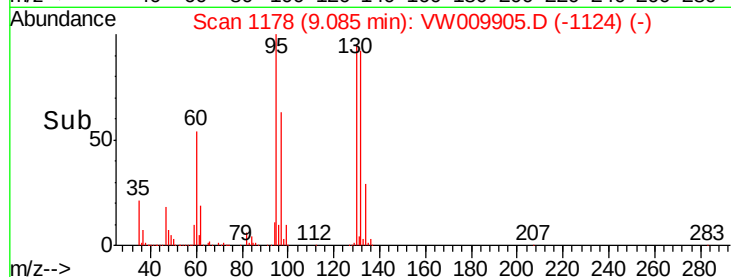


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 28.487 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

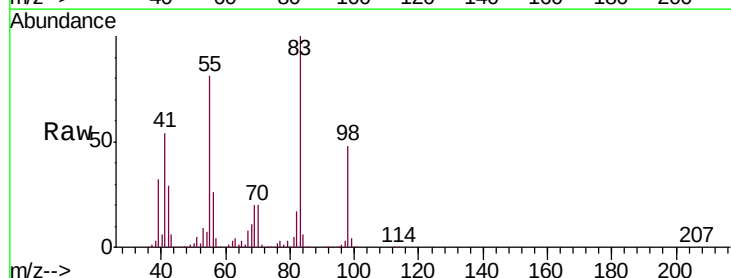
Tgt Ion: 83 Resp: 395163

Ion Ratio Lower Upper

83 100

55 82.5 66.3 99.5

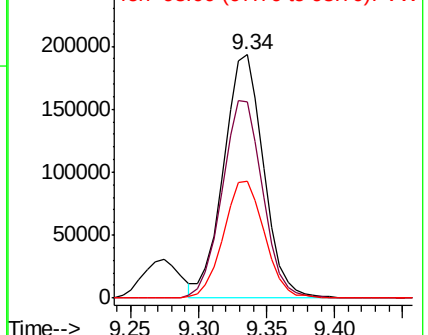
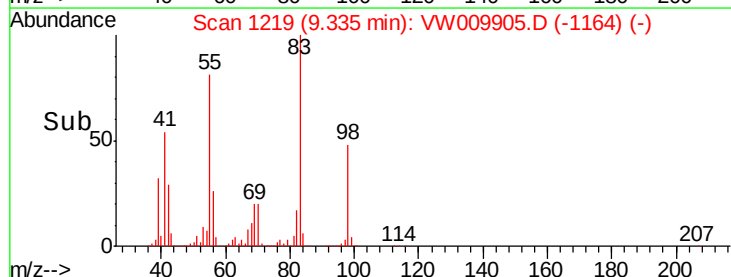
98 49.2 39.4 59.0

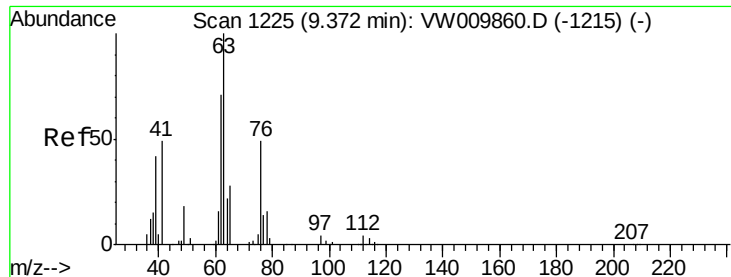


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.434 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

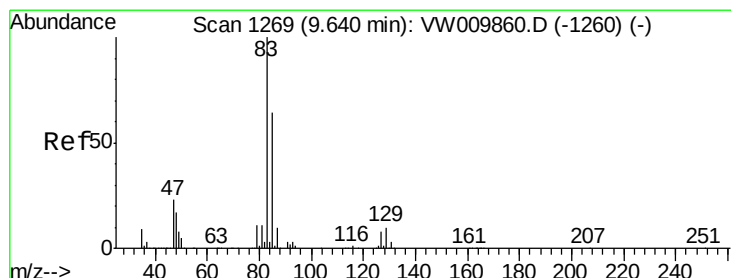
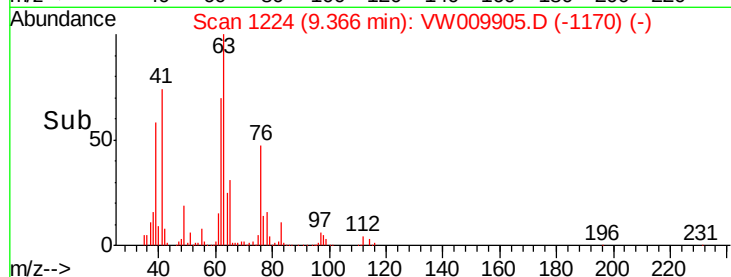
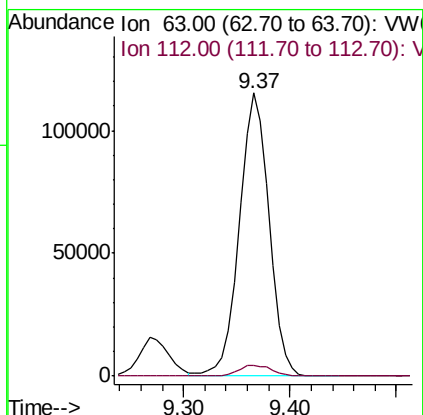
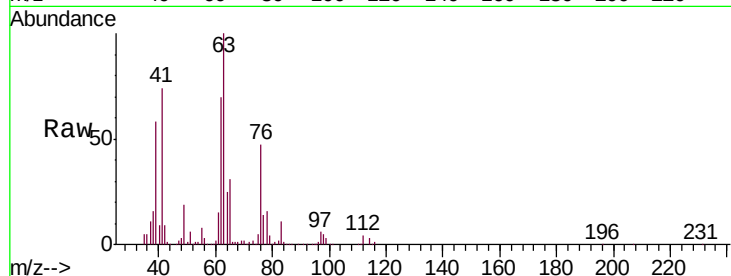
VSTD02527

Tgt Ion: 63 Resp: 226415

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.8



#41

Bromodichloromethane

Concen: 26.761 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

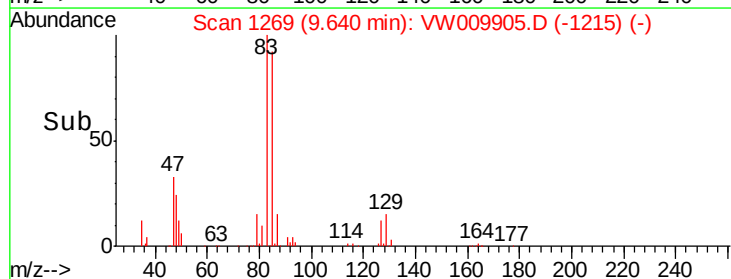
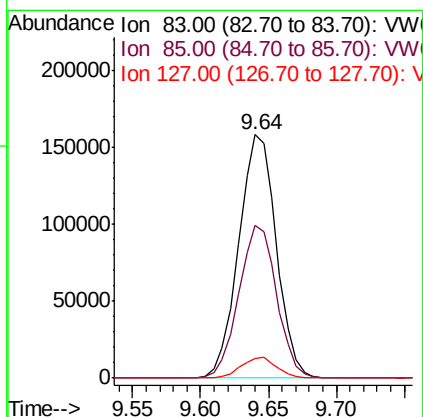
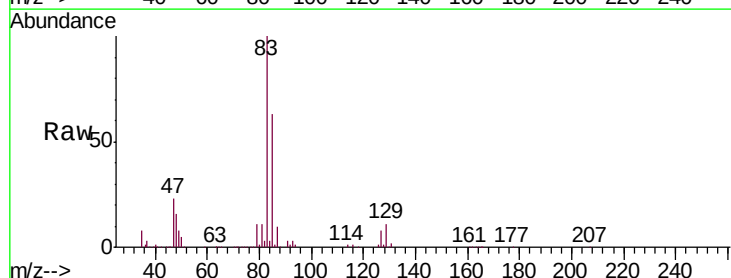
Tgt Ion: 83 Resp: 304752

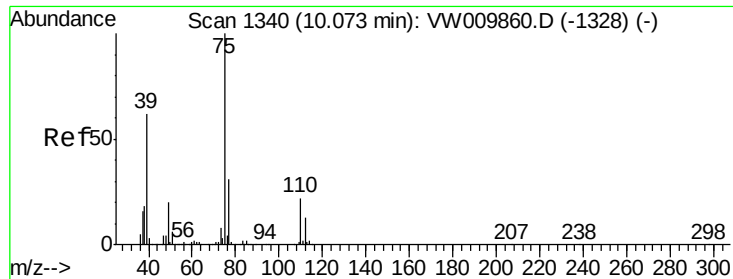
Ion Ratio Lower Upper

83 100

85 63.0 45.0 83.6

127 8.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 27.299 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

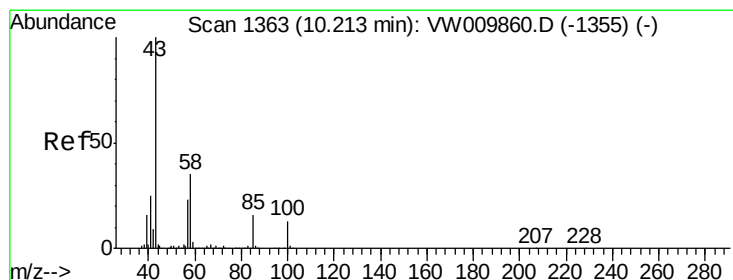
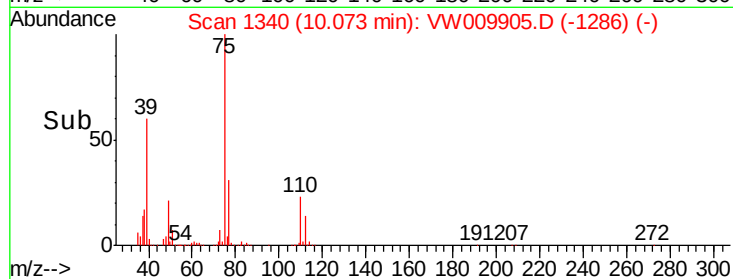
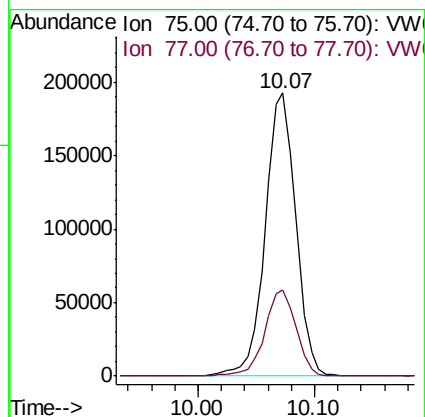
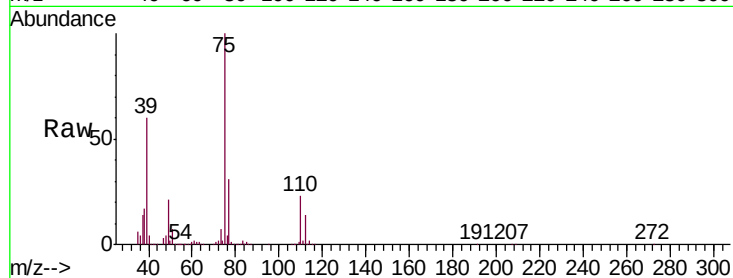
VSTD02527

Tgt Ion: 75 Resp: 349043

Ion Ratio Lower Upper

75 100

77 30.6 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 53.201 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

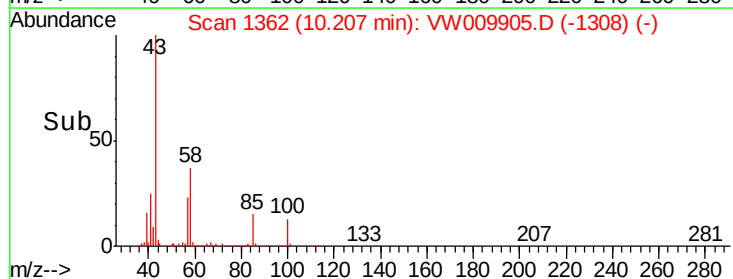
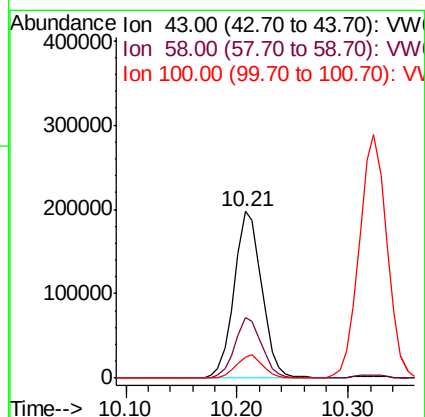
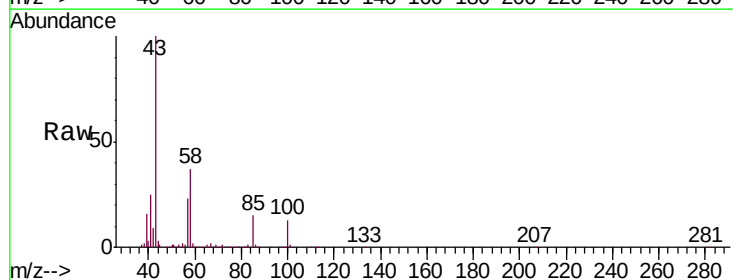
Tgt Ion: 43 Resp: 341060

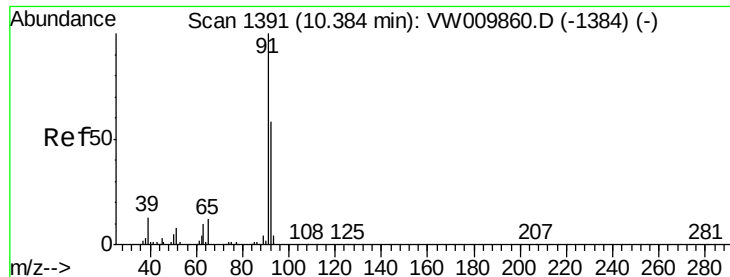
Ion Ratio Lower Upper

43 100

58 35.5 28.2 42.4

100 13.3 10.9 16.3





#44

Toluene

Concen: 27.610 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

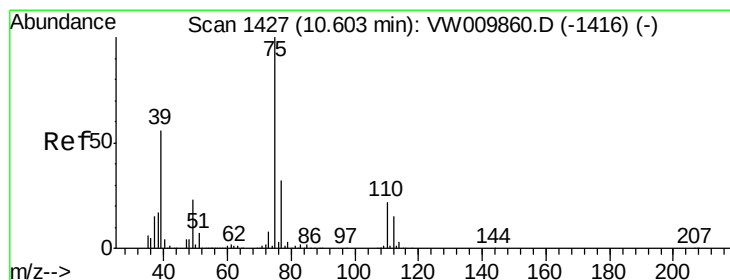
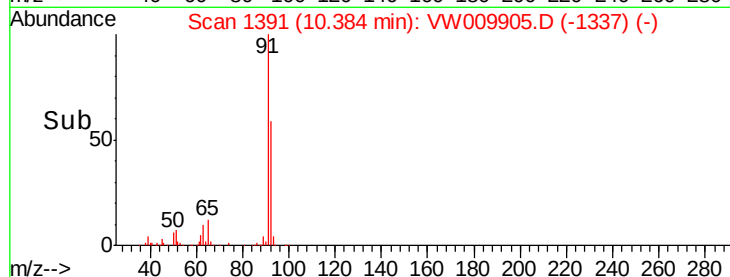
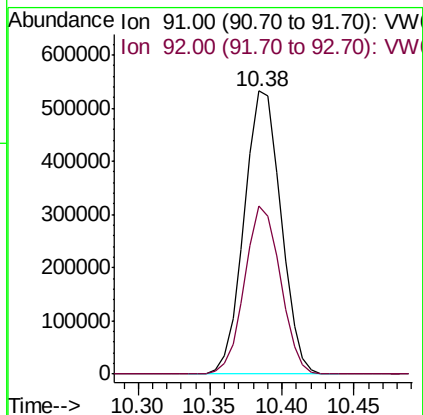
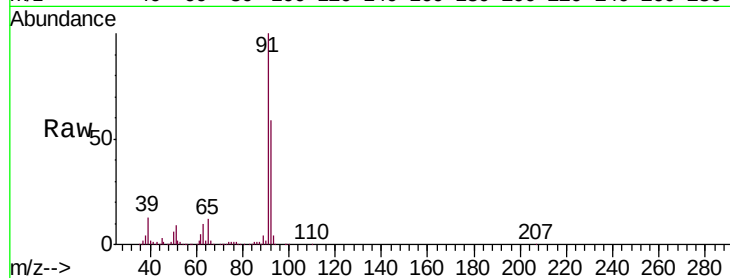
VSTD02527

Tgt Ion: 91 Resp: 942997

Ion Ratio Lower Upper

91 100

92 59.5 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 27.179 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009905.D

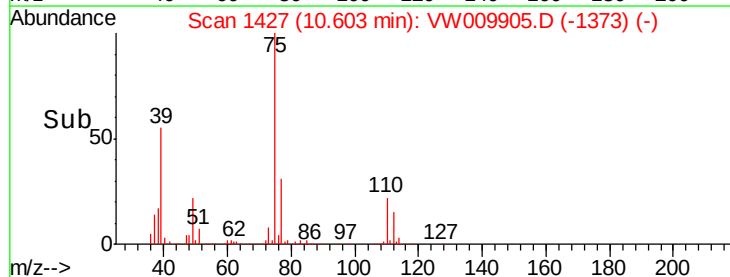
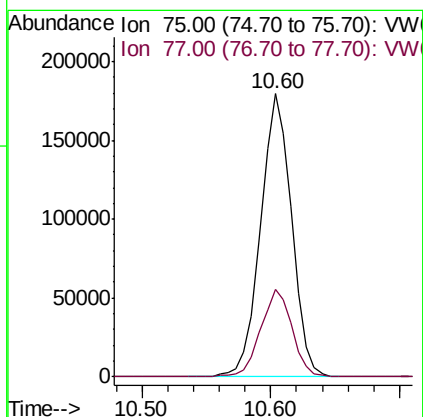
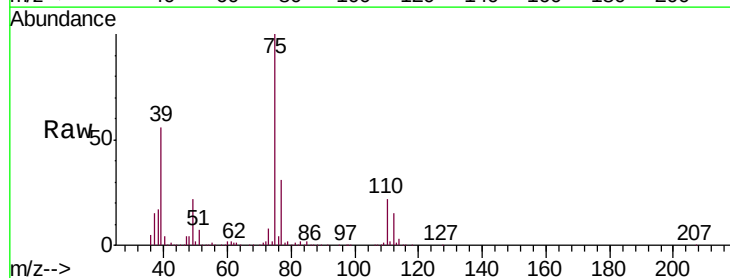
Acq: 11 Apr 2019 10:13

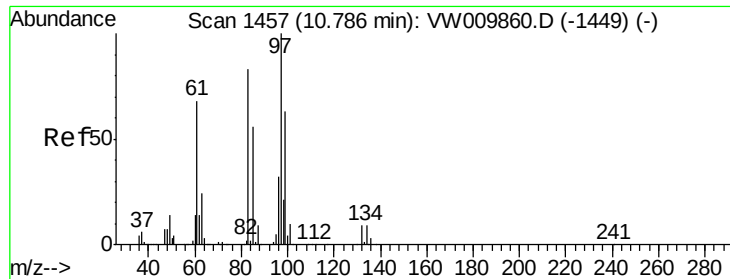
Tgt Ion: 75 Resp: 299598

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.3

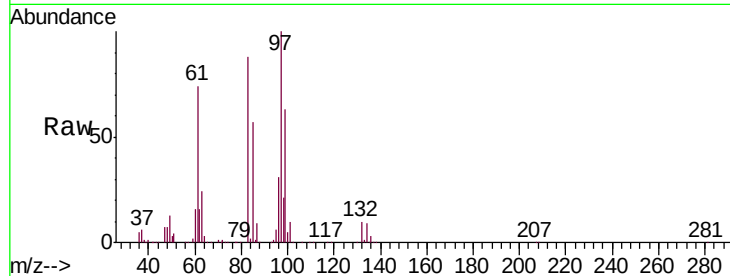




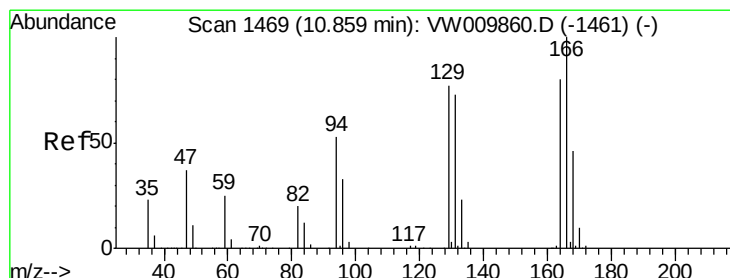
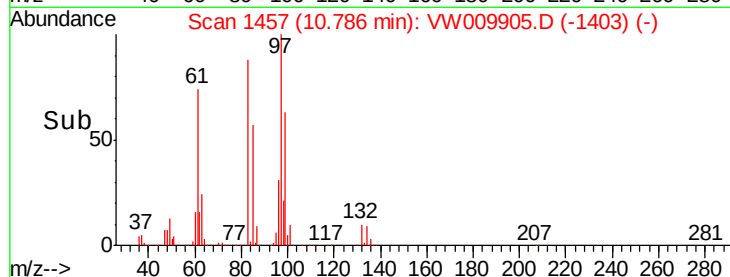
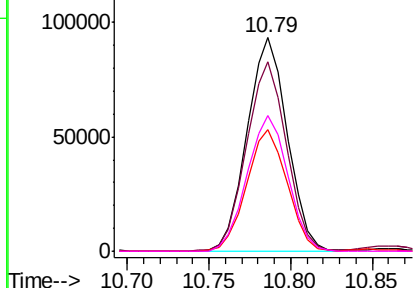
#46
 1,1,2-Trichloroethane
 Concen: 25.896 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tgt Ion: 97 Resp: 160420
 Ion Ratio Lower Upper
 97 100
 83 88.4 57.3 106.3
 85 57.0 38.1 70.7
 99 63.3 40.9 75.9



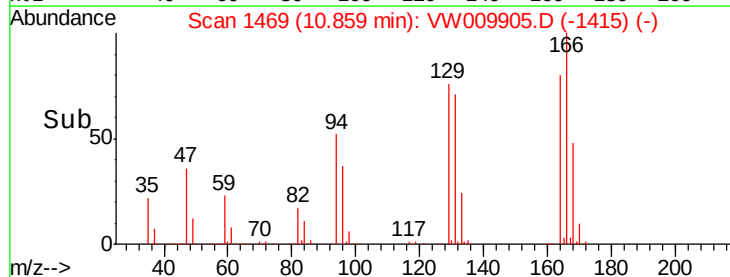
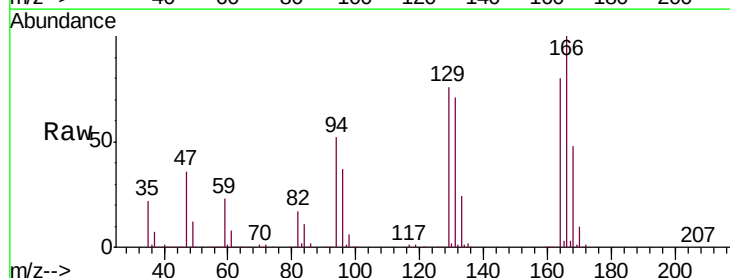
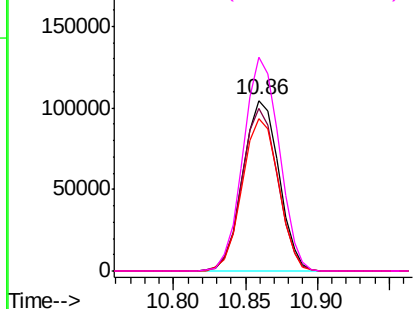
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

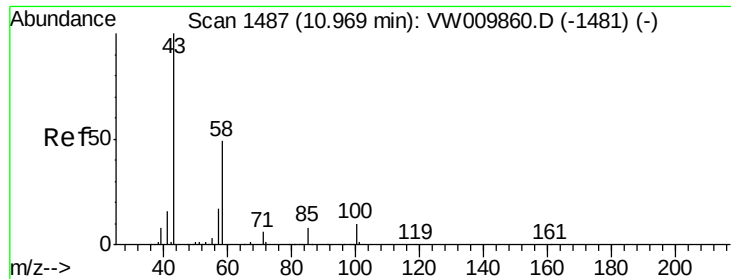


#47
 Tetrachloroethene
 Concen: 27.376 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion: 164 Resp: 181920
 Ion Ratio Lower Upper
 164 100
 129 95.3 68.9 127.9
 131 89.5 63.1 117.1
 166 125.3 88.5 164.4

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

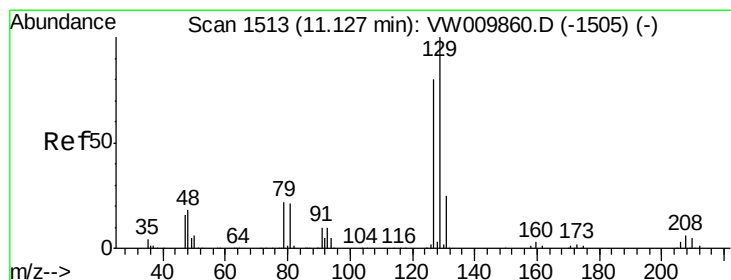
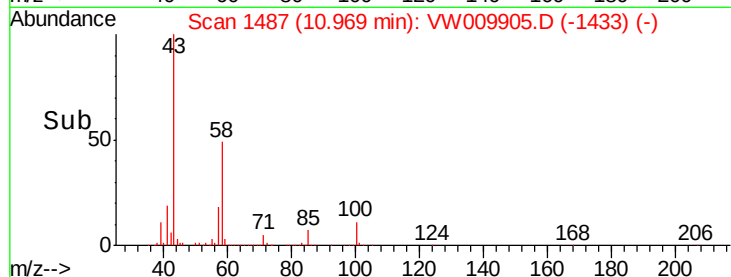
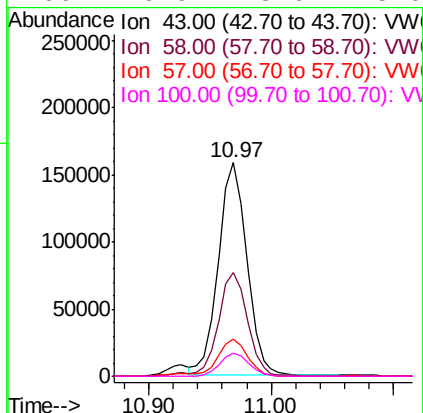
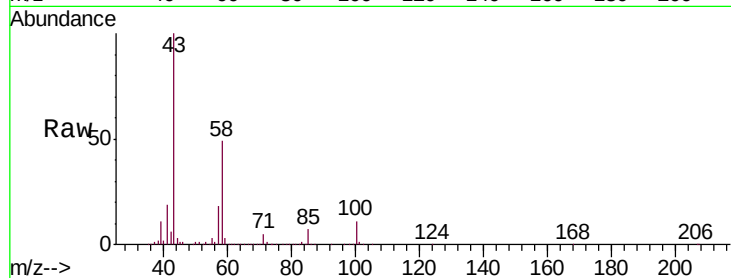




#49
2-Hexanone
Concen: 54.246 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009905.D
Acq: 11 Apr 2019 10:13

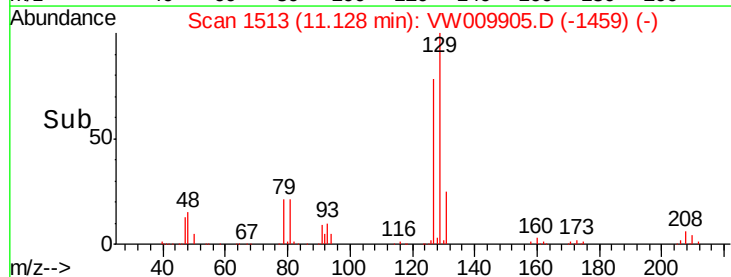
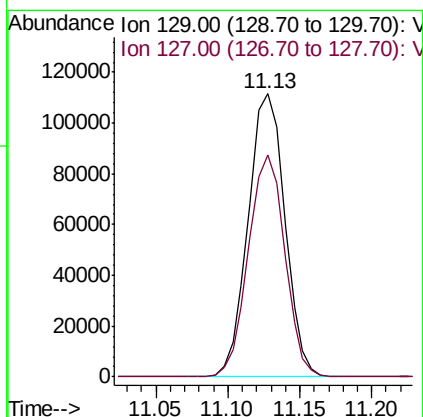
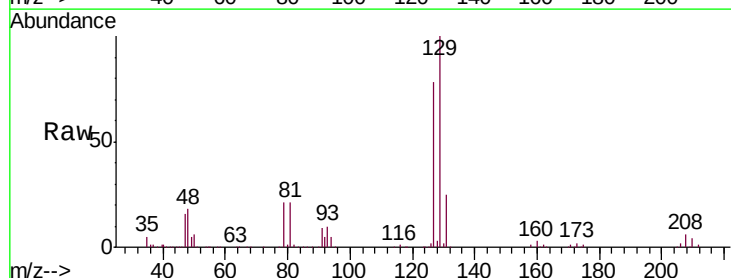
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

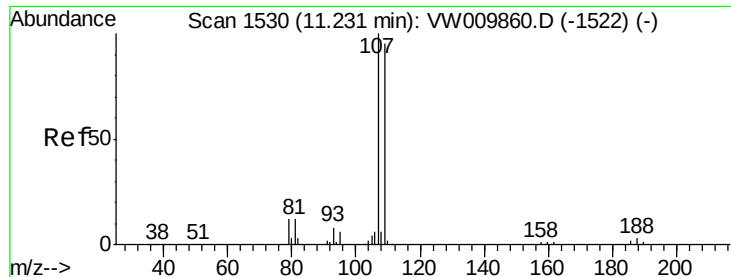
Tgt Ion:	43	Resp:	258941
Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.9	58.3
57	17.8	13.8	20.6
100	10.9	8.6	13.0



#50
Dibromochloromethane
Concen: 25.963 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009905.D
Acq: 11 Apr 2019 10:13

Tgt Ion:	129	Resp:	197599
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.0	98.4

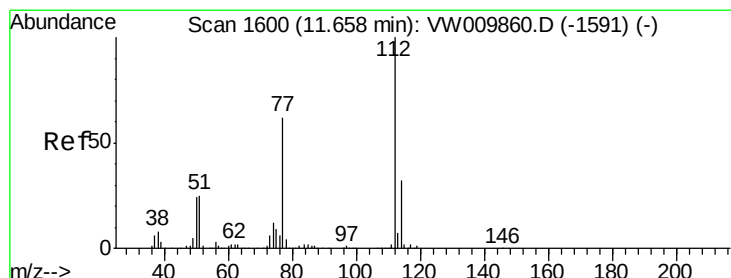
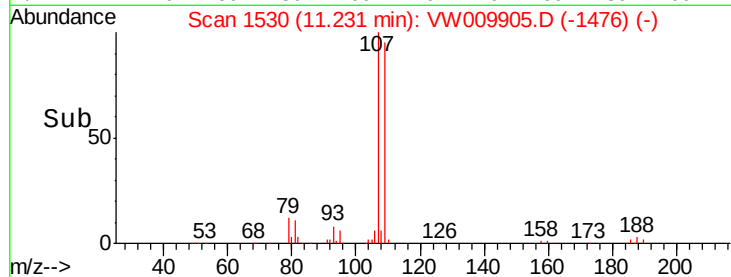
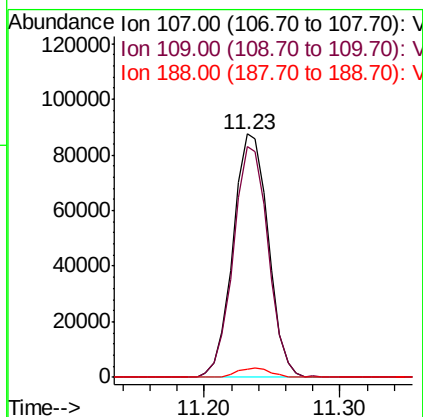
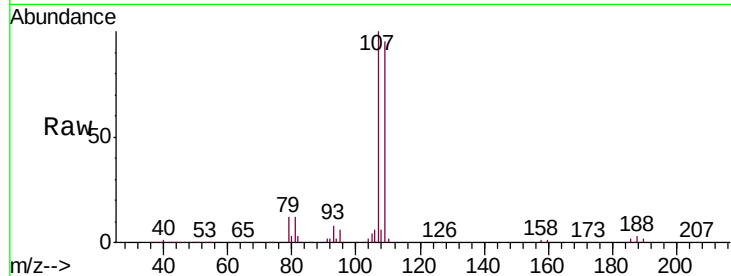




#51
 1,2-Dibromoethane
 Concen: 25.504 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

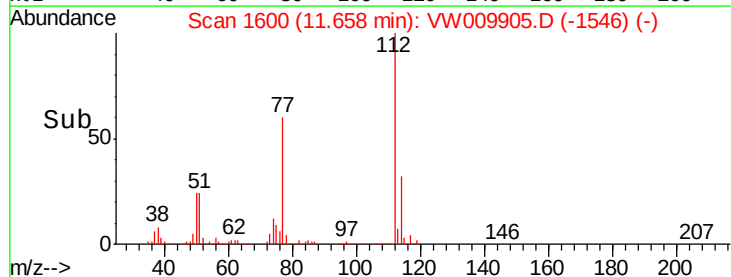
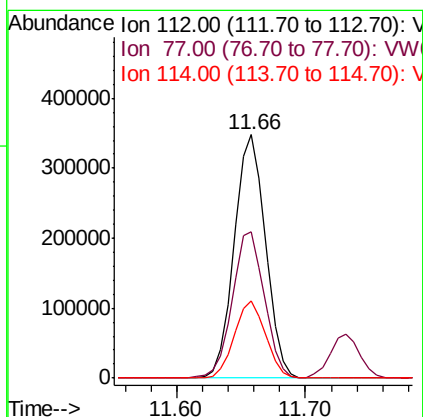
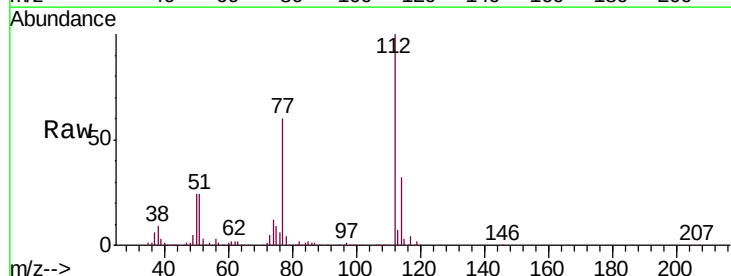
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

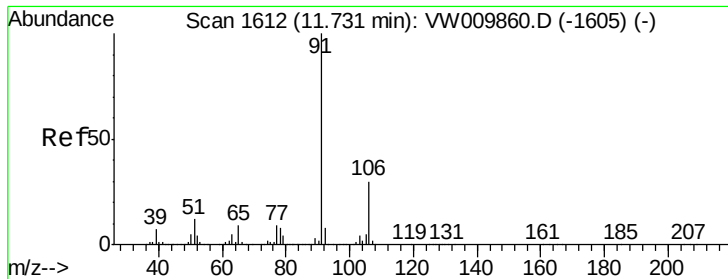
Tgt Ion:107 Resp: 158352
 Ion Ratio Lower Upper
 107 100
 109 94.8 65.4 121.4
 188 3.2 3.2 4.8



#52
 Chlorobenzene
 Concen: 26.627 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion:112 Resp: 585378
 Ion Ratio Lower Upper
 112 100
 77 60.0 48.2 72.2
 114 31.6 23.0 42.6





#53

Ethylbenzene

Concen: 28.038 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

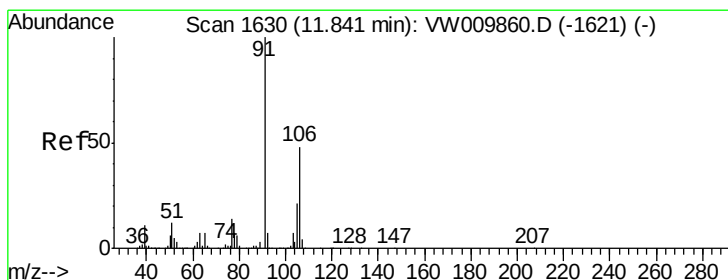
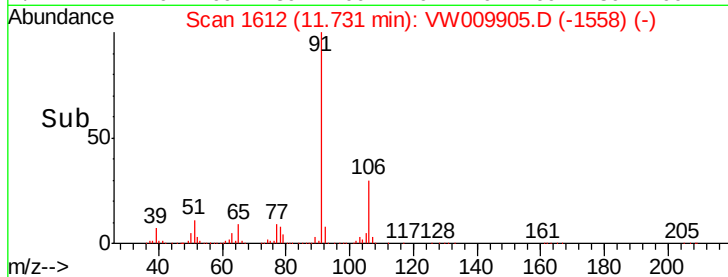
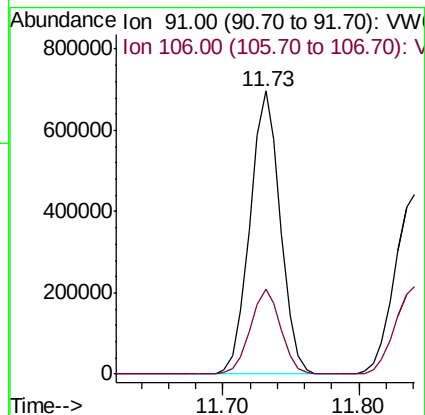
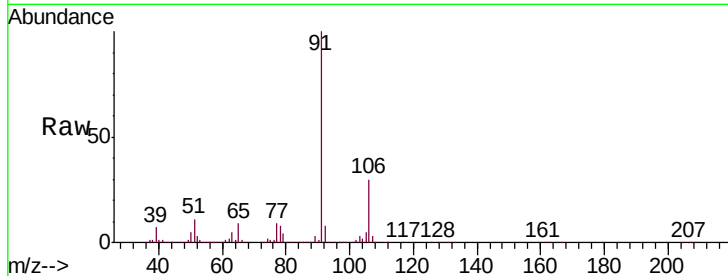
VSTD02527

Tgt Ion: 91 Resp: 1090852

Ion Ratio Lower Upper

91 100

106 30.0 21.5 39.9



#54

m,p-Xylene

Concen: 27.833 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009905.D

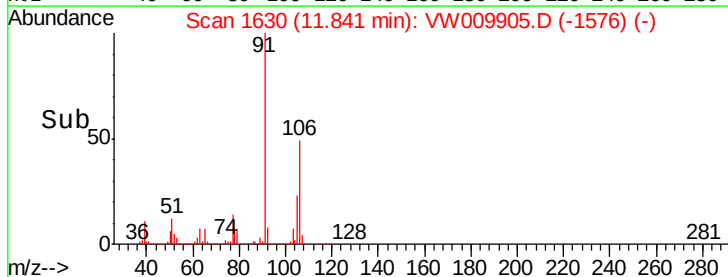
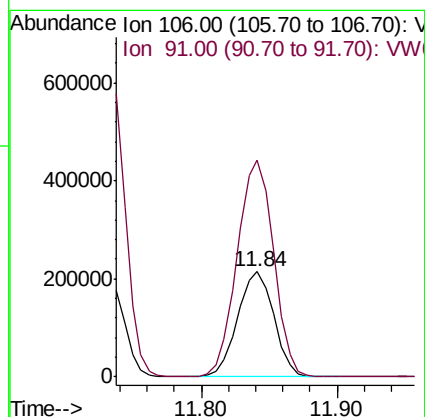
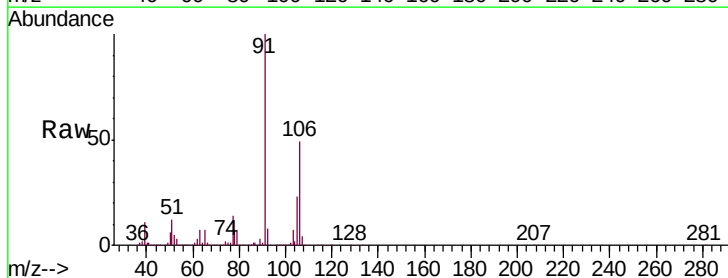
Acq: 11 Apr 2019 10:13

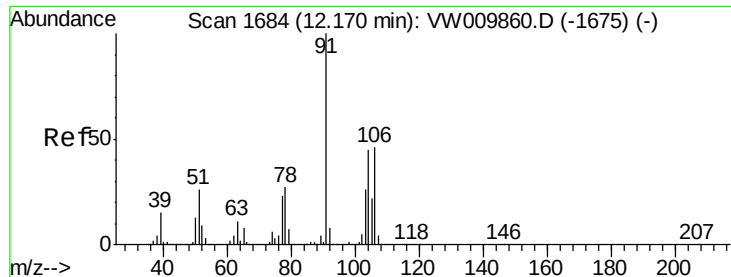
Tgt Ion: 106 Resp: 400518

Ion Ratio Lower Upper

106 100

91 205.6 145.3 269.9





#55

o-xylene

Concen: 27.975 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

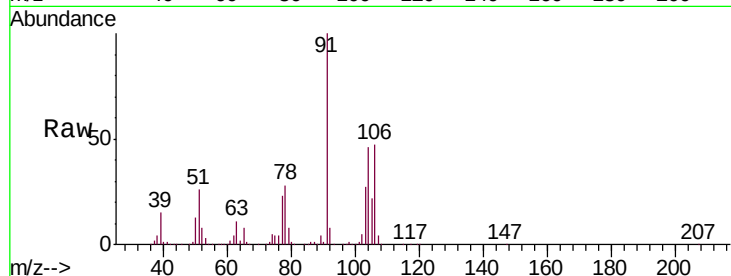
VSTD02527

Tgt Ion:106 Resp: 383391

Ion Ratio Lower Upper

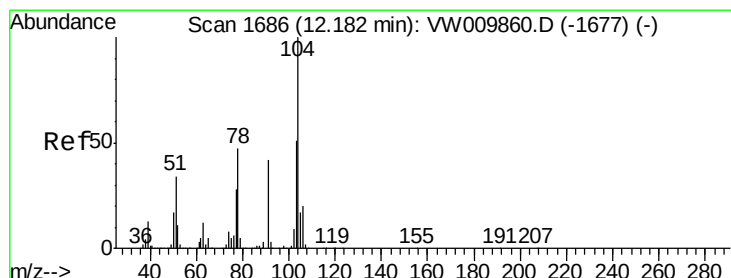
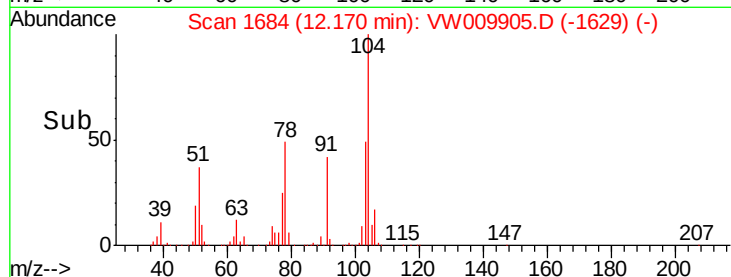
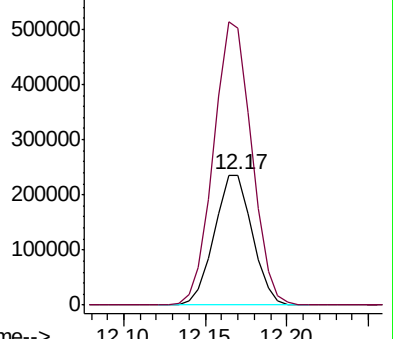
106 100

91 213.3 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.745 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009905.D

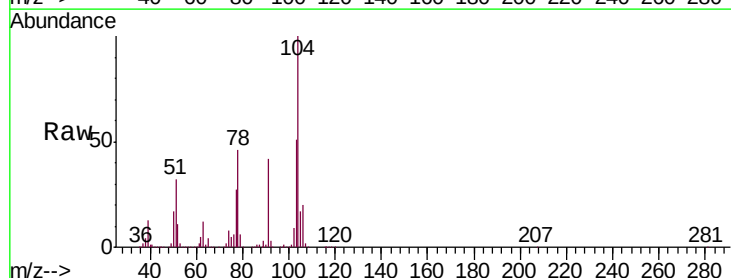
Acq: 11 Apr 2019 10:13

Tgt Ion:104 Resp: 659773

Ion Ratio Lower Upper

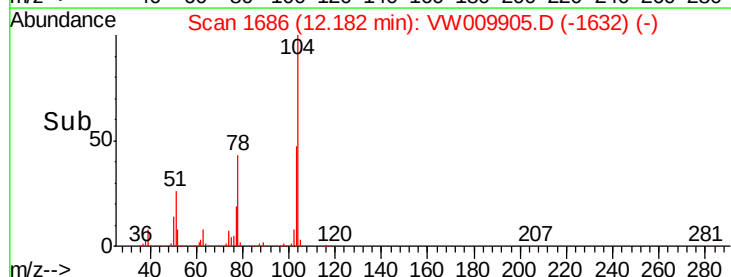
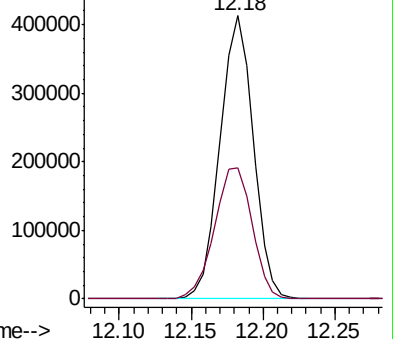
104 100

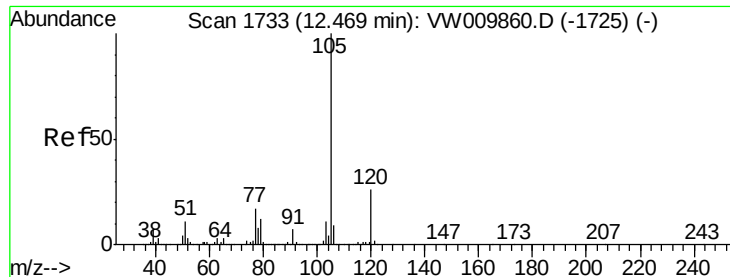
78 46.4 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.694 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

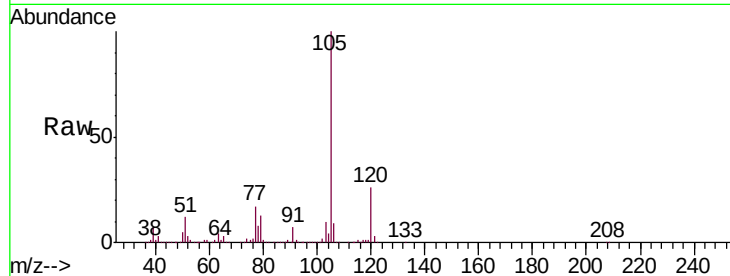
Tgt Ion:105 Resp: 1076815

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

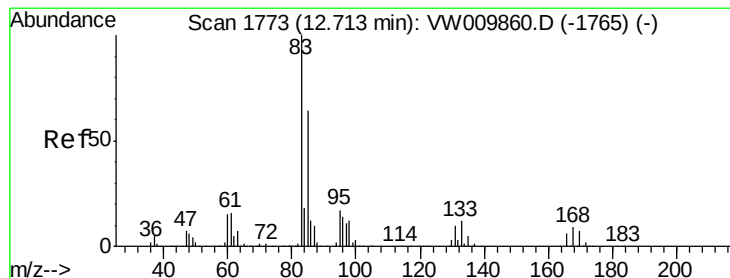
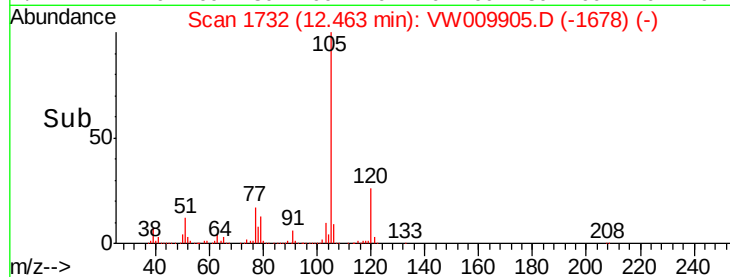
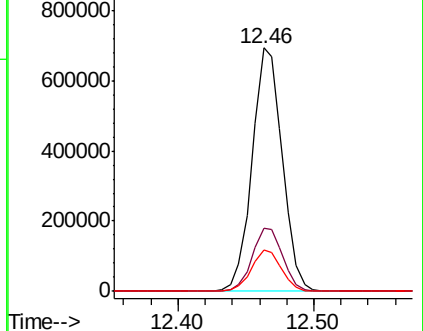
77 16.8 13.4 20.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 25.909 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

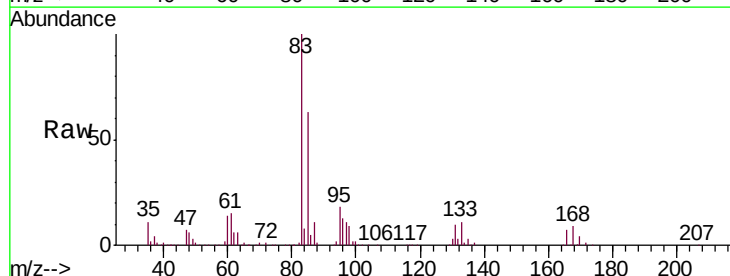
Tgt Ion: 83 Resp: 215825

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

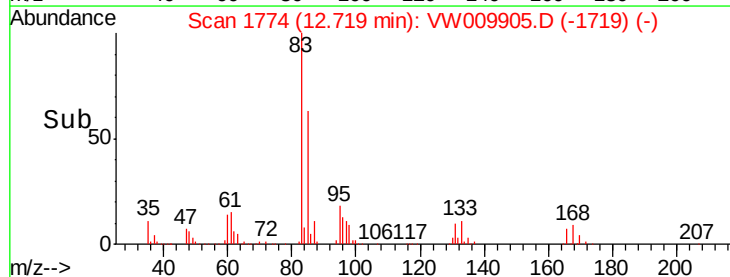
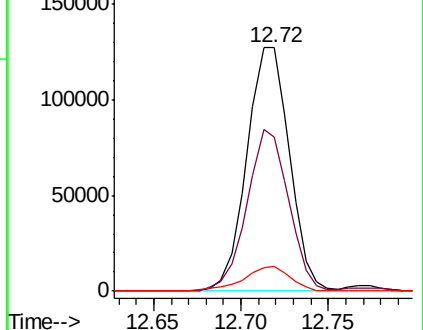
131 10.0 7.2 10.8

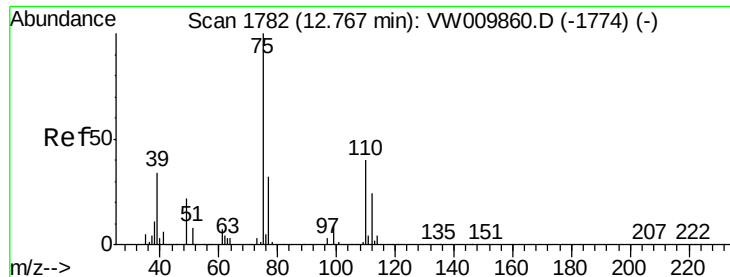


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.760 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

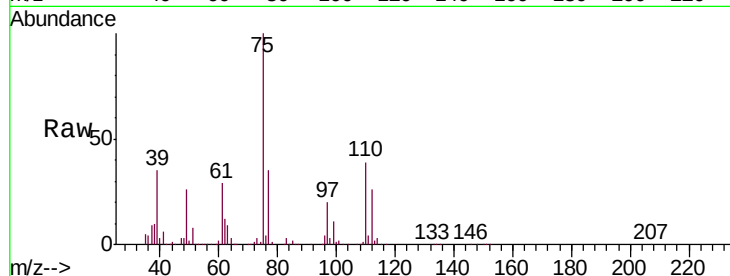
VSTD02527

Tgt Ion: 75 Resp: 159730

Ion Ratio Lower Upper

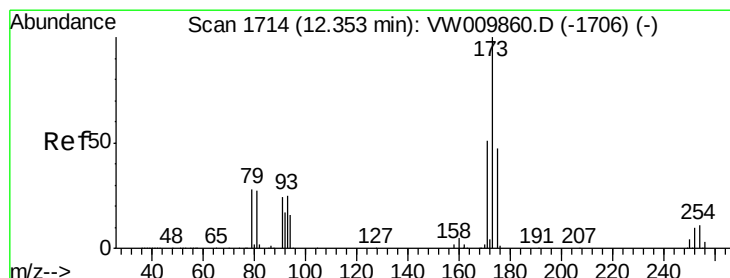
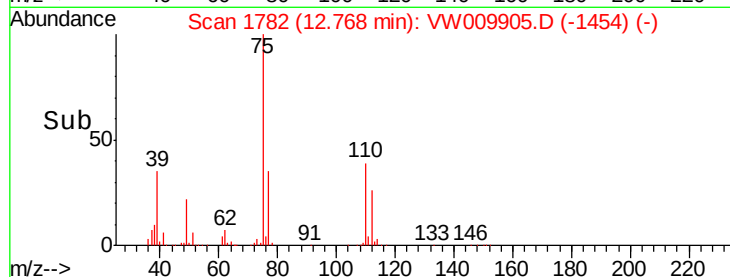
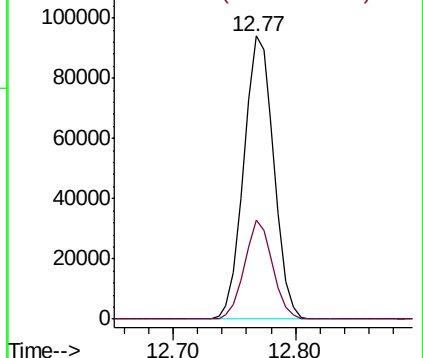
75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 24.669 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

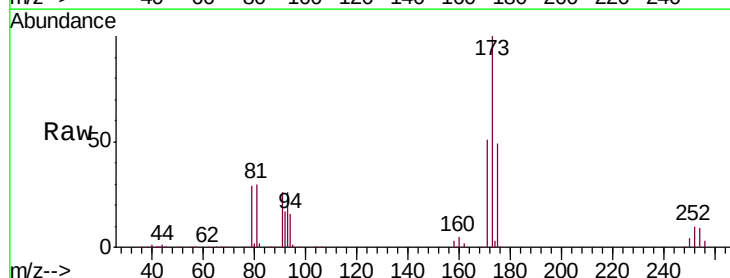
Tgt Ion: 173 Resp: 116303

Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.2

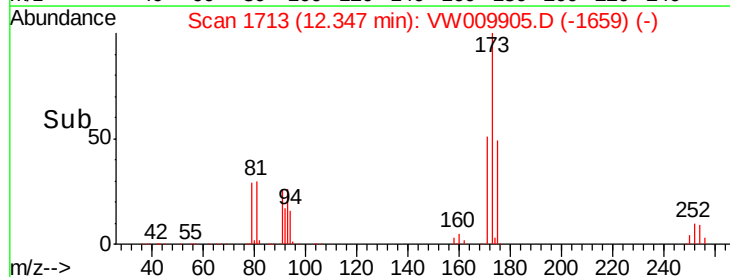
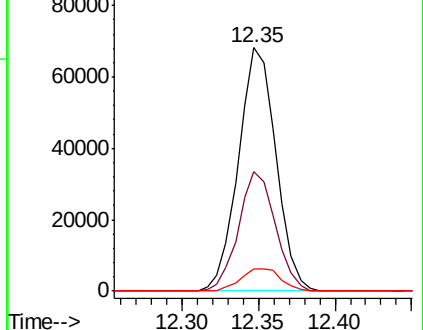
254 9.9 8.5 12.7

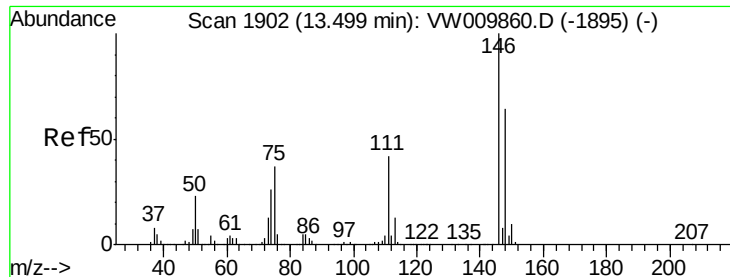


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

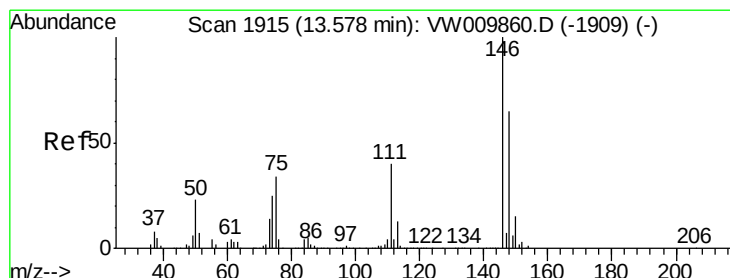
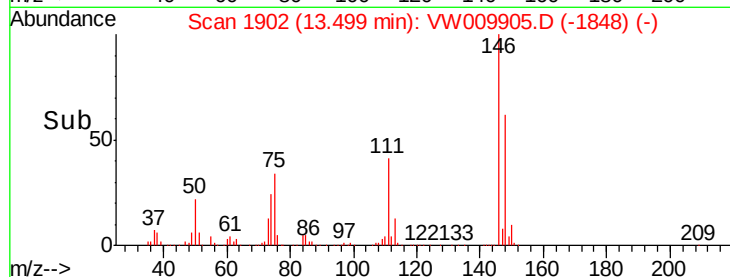
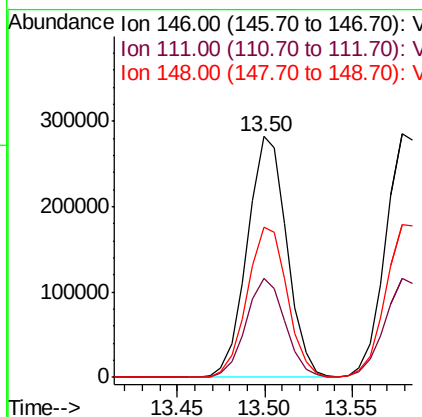
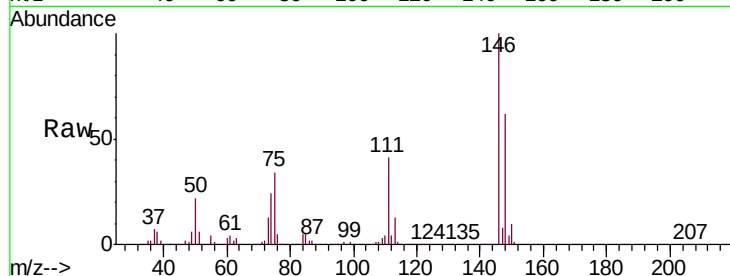




#63
 1,3-Dichlorobenzene
 Concen: 26.987 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

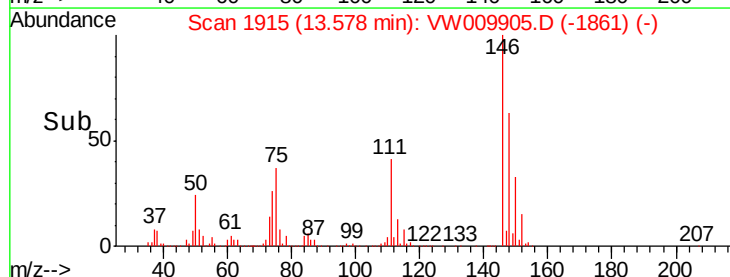
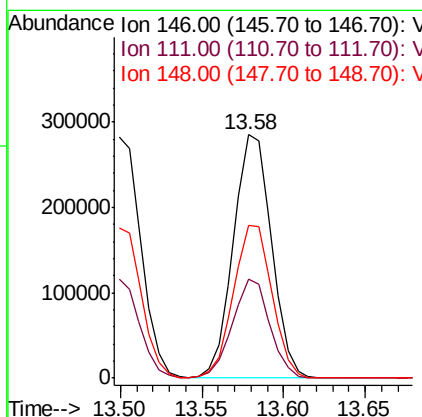
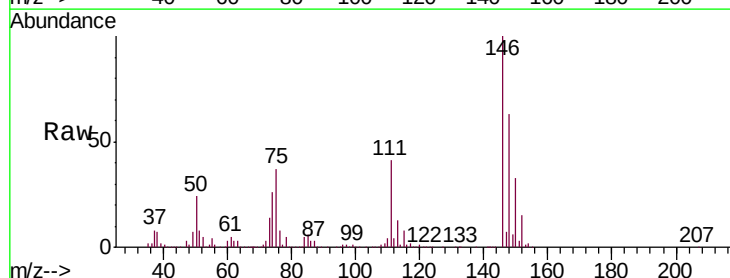
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

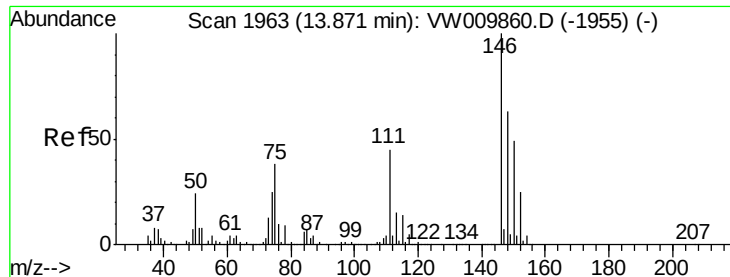
Tgt Ion:146 Resp: 447633
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.1 52.3
 148 62.4 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 26.347 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion:146 Resp: 466014
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.4 50.8
 148 62.9 43.8 81.3

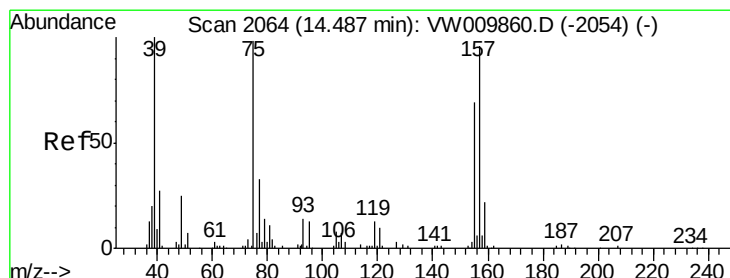
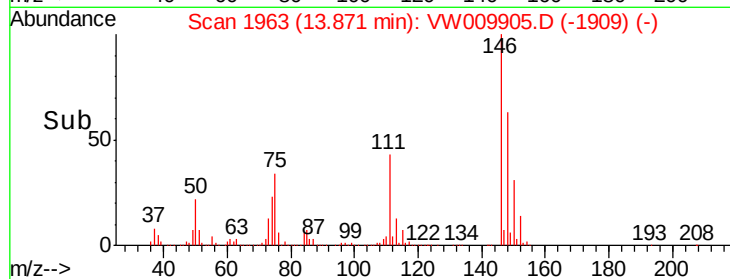
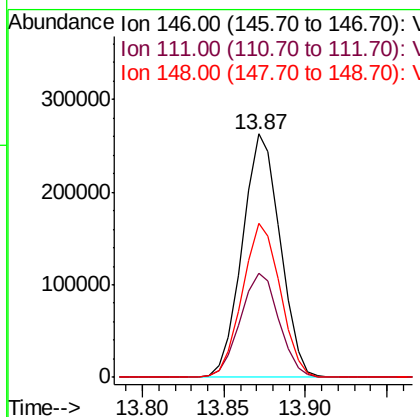
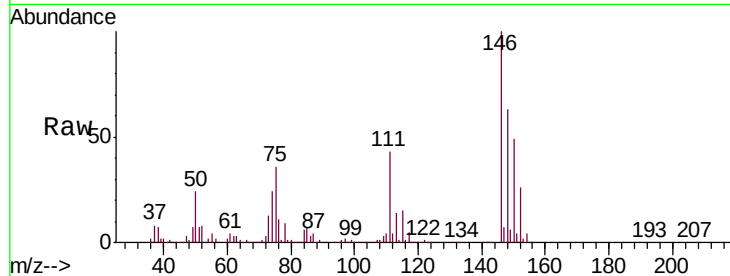




#65
 1,2-Dichlorobenzene
 Concen: 26.792 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

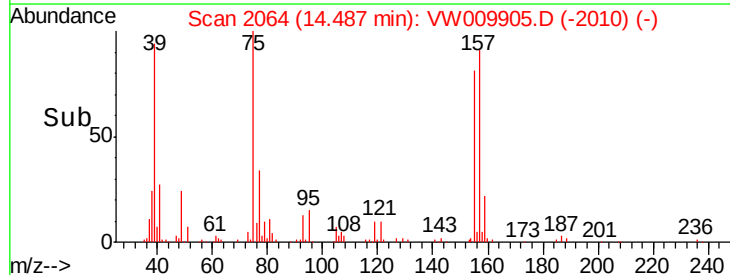
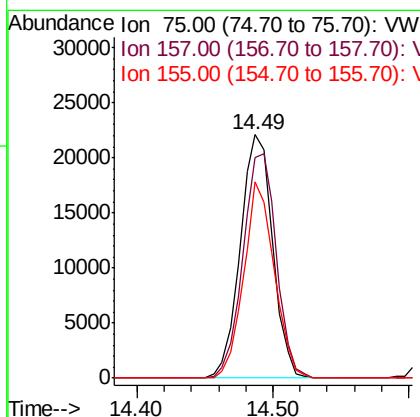
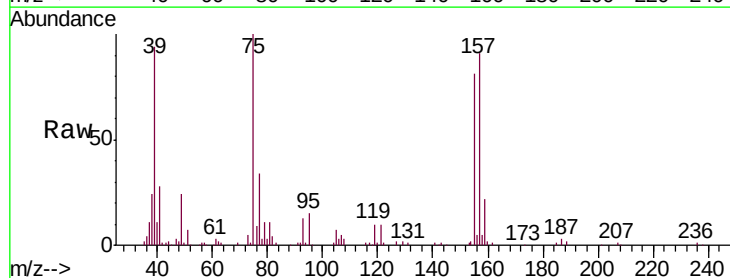
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

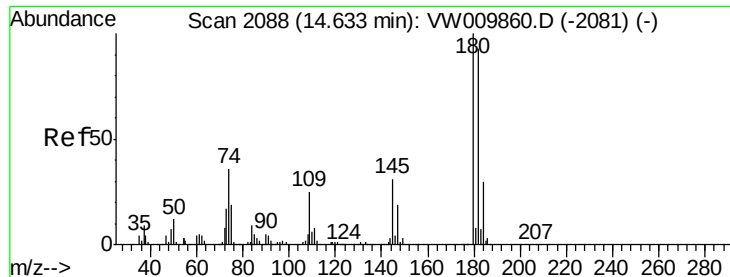
Tgt Ion:146 Resp: 425152
 Ion Ratio Lower Upper
 146 100
 111 43.0 32.4 48.6
 148 63.0 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.751 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion: 75 Resp: 36687
 Ion Ratio Lower Upper
 75 100
 157 90.6 77.2 115.8
 155 80.8 61.9 92.9

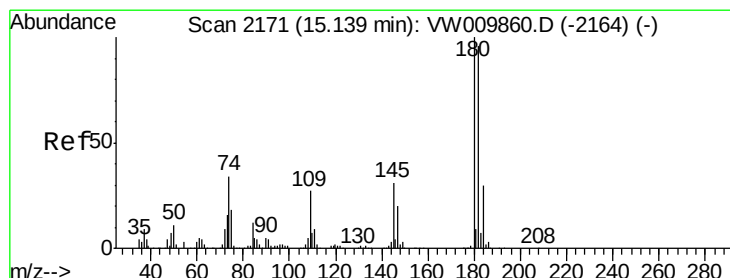
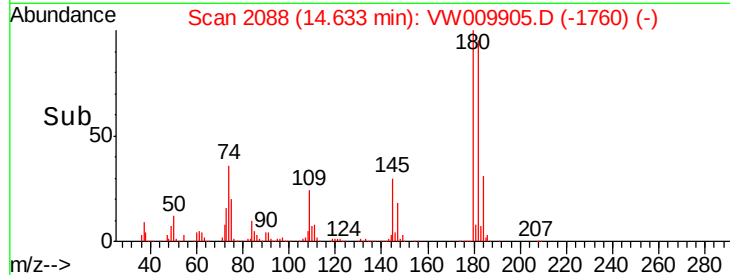
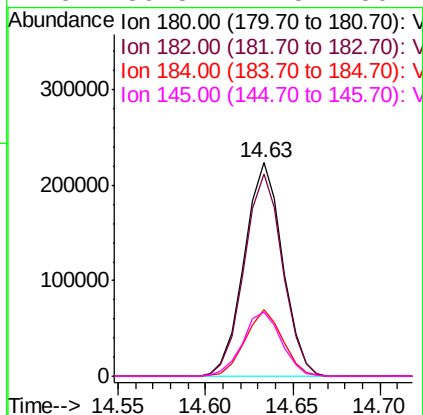
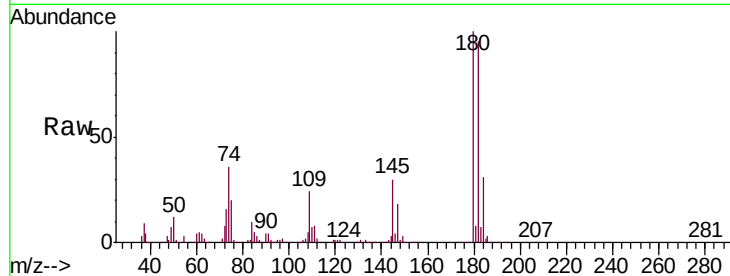




#67
 1,3,5-Trichlorobenzene
 Concen: 27.657 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

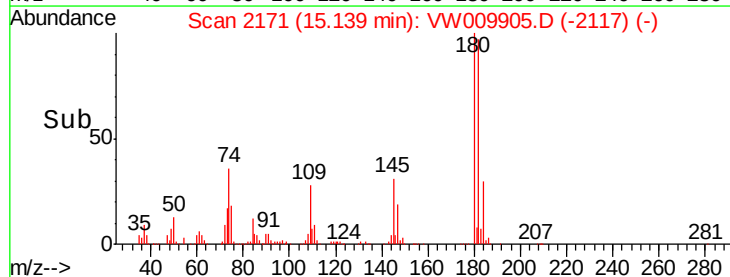
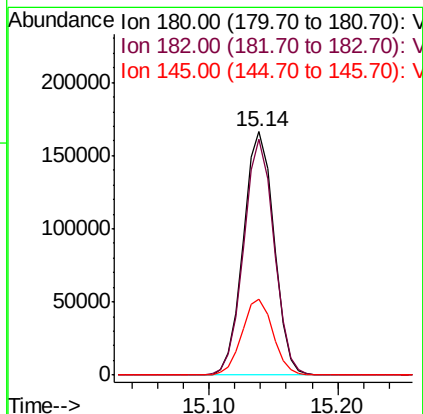
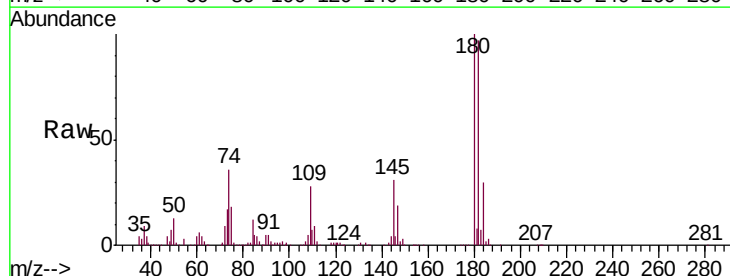
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

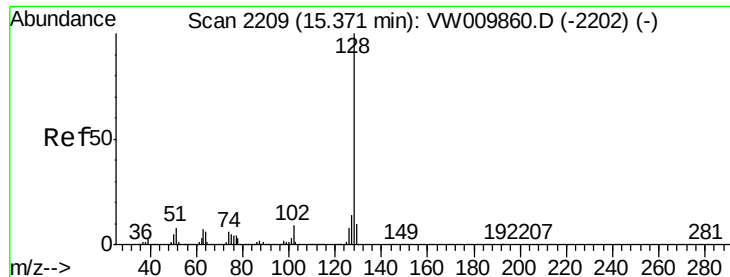
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
184	30.5	24.7	37.1
145	30.3	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 27.626 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009905.D
 Acq: 11 Apr 2019 10:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
145	31.5	24.3	36.5





#69

Naphthalene

Concen: 27.941 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

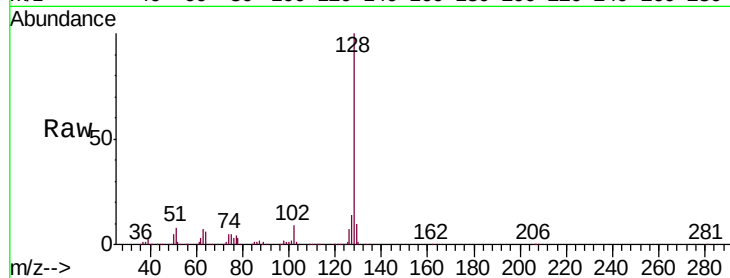
Tgt Ion:128 Resp: 555036

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

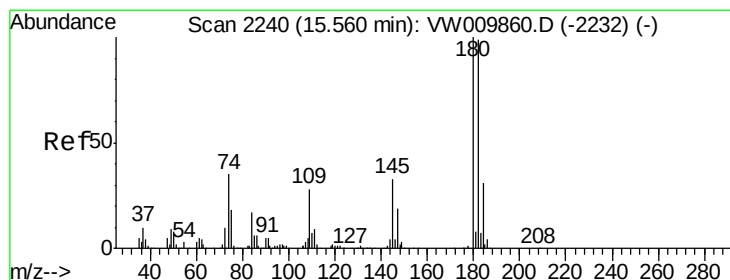
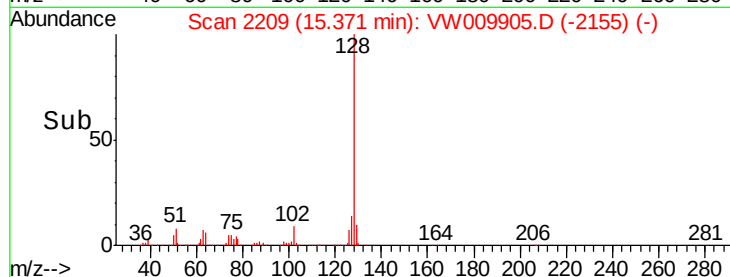
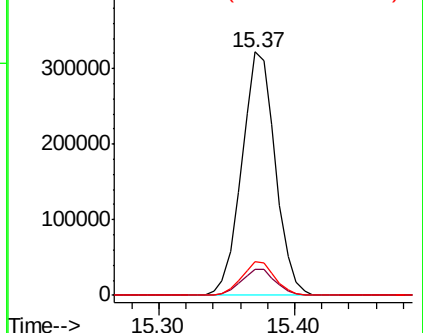
127 13.6 10.8 16.2



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: 28.099 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW009905.D

Acq: 11 Apr 2019 10:13

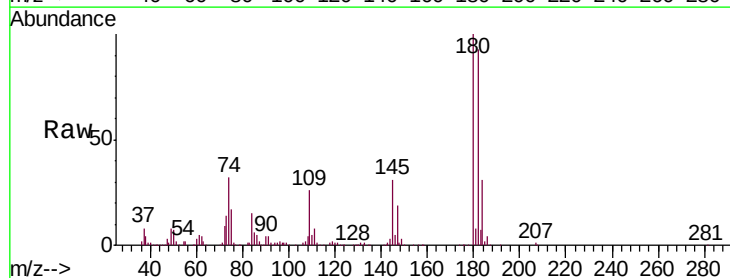
Tgt Ion:180 Resp: 259798

Ion Ratio Lower Upper

180 100

182 93.6 75.0 112.4

145 32.8 25.8 38.6



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

