

Data File : VW011137.D
Acq On : 03 Jul 2019 12:05
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Quant Time: Jul 03 23:20:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 23:17:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	349813	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318200	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156740	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137231	25.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.76%
7) Chloroethane-d5	2.88	69	97113	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.64%
10) 1,1-Dichloroethene-d2	4.02	63	287602	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.68%
20) 2-Butanone-d5	7.07	46	115273	54.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.56%
24) Chloroform-d	7.64	84	242384	25.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.12%
26) 1,2-Dichloroethane-d4	8.30	65	151271	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.48%
29) Benzene-d6	8.27	84	493456	25.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.68%
33) 1,2-Dichloropropane-d6	9.27	67	162504	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.84%
37) Toluene-d8	10.32	98	443378	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.52%
38) trans-1,3-Dichloropropene-	10.57	79	68522	25.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.96%
39) 2-Hexanone-d5	10.92	63	81138	55.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141505	26.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	151165	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	125108	29.079 ug/L	97
3) Chloromethane	2.21	50	117078	25.065 ug/L	100
5) Vinyl chloride	2.36	62	160283	26.291 ug/L	97
6) Bromomethane	2.78	94	73704	25.841 ug/L	99
8) Chloroethane	2.92	64	83580	27.124 ug/L	96
9) Trichlorofluoromethane	3.24	101	52827	25.308 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	122629	26.366 ug/L	98
12) 1,1-Dichloroethene	4.04	96	121180	26.360 ug/L	89
13) Acetone	4.12	43	105073	51.126 ug/L	98
14) Carbon disulfide	4.38	76	336471	25.587 ug/L	99
15) Methyl Acetate	4.67	43	94598	28.287 ug/L	99
16) Methylene chloride	4.92	84	131570	25.595 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	191124	26.809 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	120114	25.857 ug/L	97
19) 1,1-Dichloroethane	6.21	63	249488	26.455 ug/L	100
21) 2-Butanone	7.17	43	145677	54.909 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	133425	26.535 ug/L	99

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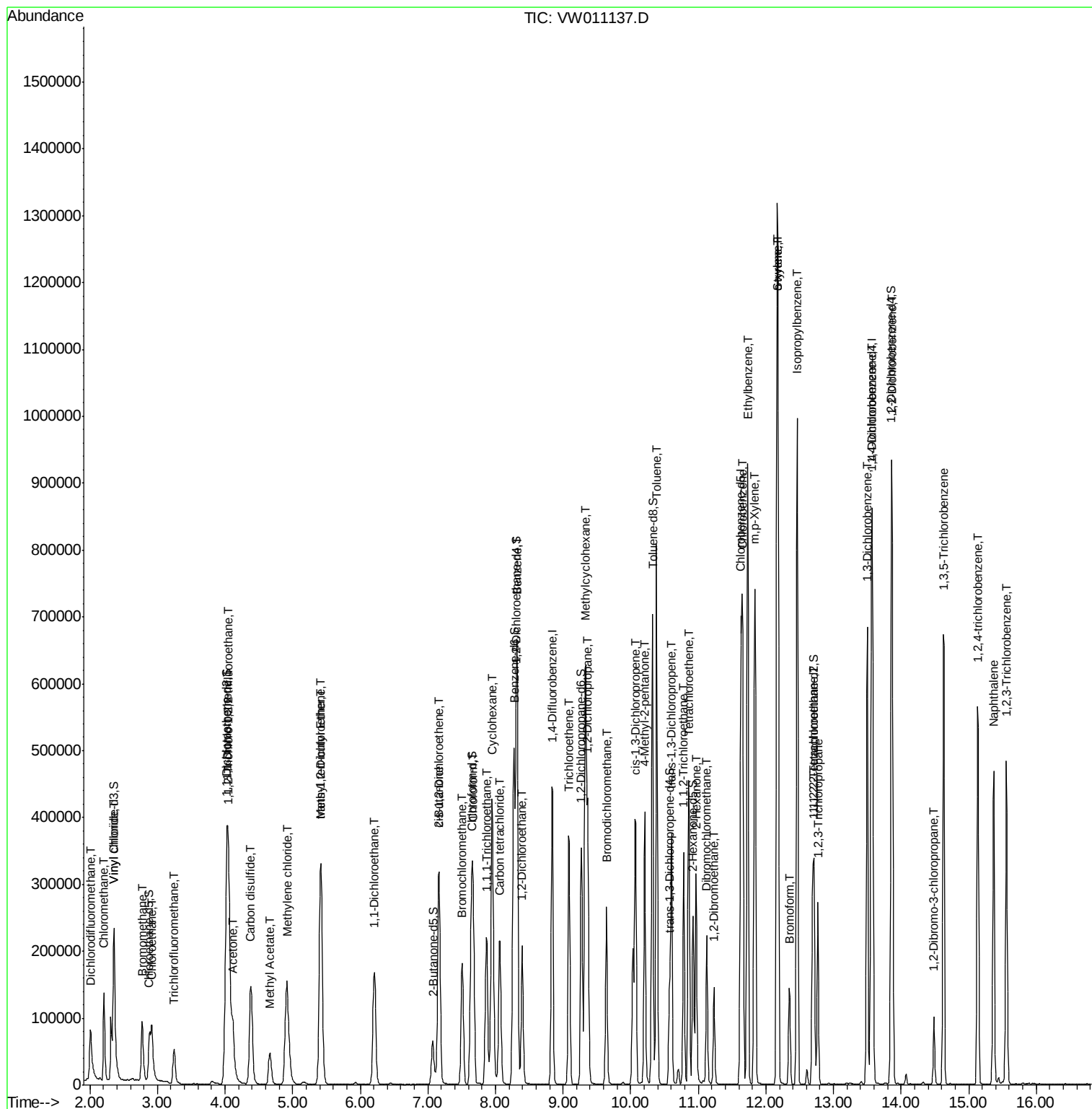
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56370	26.717	ug/L	98
25) Chloroform	7.67	83	233453	26.134	ug/L	99
27) 1,2-Dichloroethane	8.40	62	182551	26.734	ug/L	99
30) Cyclohexane	7.95	56	254898	26.347	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	173669	26.297	ug/L	100
32) Carbon tetrachloride	8.07	117	161498	26.075	ug/L	99
34) Benzene	8.32	78	523614	26.329	ug/L	100
35) Trichloroethene	9.09	95	130103	25.925	ug/L	100
36) Methylcyclohexane	9.34	83	238816	26.444	ug/L	98
40) 1,2-Dichloropropane	9.37	63	145515	26.703	ug/L	100
41) Bromodichloromethane	9.64	83	169798	27.026	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	218115	27.127	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	284565	56.331	ug/L	100
44) Toluene	10.38	91	551549	26.795	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	182530	27.435	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	102152	27.069	ug/L	96
47) Tetrachloroethene	10.86	164	99243	26.166	ug/L	99
49) 2-Hexanone	10.97	43	215762	58.678	ug/L	99
50) Dibromochloromethane	11.13	129	109867	27.340	ug/L	96
51) 1,2-Dibromoethane	11.23	107	98850	27.128	ug/L	99
52) Chlorobenzene	11.66	112	329355	26.190	ug/L	98
53) Ethylbenzene	11.73	91	623623	26.709	ug/L	99
54) m,p-Xylene	11.84	106	224149	26.442	ug/L	95
55) o-xylene	12.16	106	218008	27.034	ug/L	98
56) Styrene	12.18	104	379466	27.430	ug/L	98
57) Isopropylbenzene	12.46	105	594301	26.997	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	140627	28.011	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107608	27.911	ug/L	99
62) Bromoform	12.35	173	63536	27.199	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	258188	26.774	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	261242	26.464	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	243313	27.106	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23745	26.944	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	198274	27.137	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	170723	27.891	ug/L	98
69) Naphthalene	15.37	128	379926	29.637	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	158028	28.217	ug/L	99

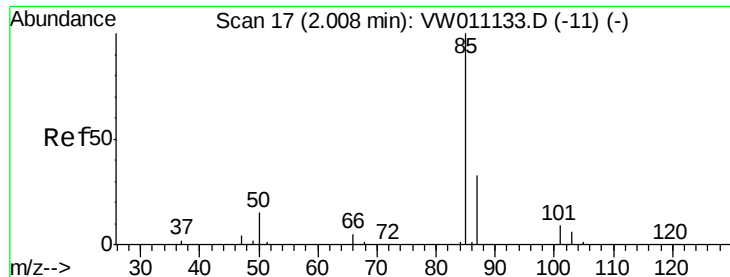
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.079 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

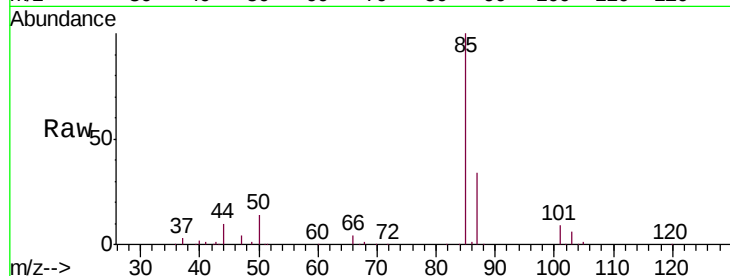
VSTD02516

Tgt Ion: 85 Resp: 125108

Ion Ratio Lower Upper

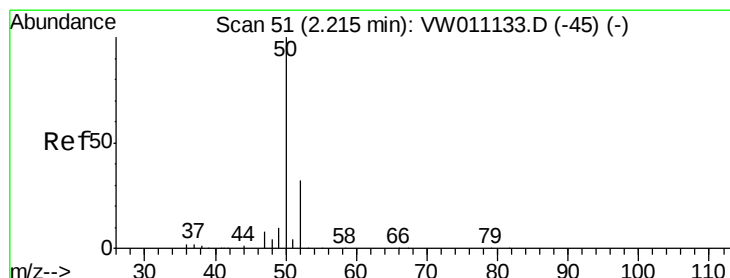
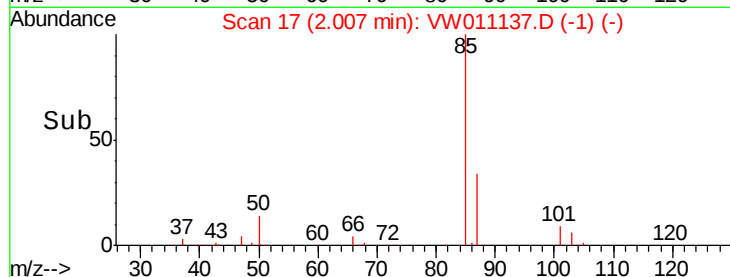
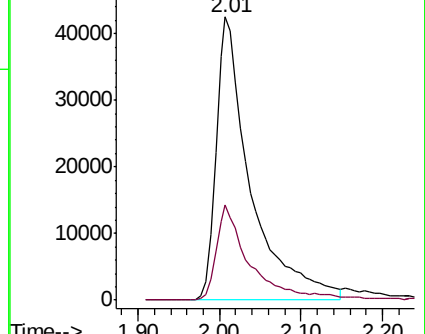
85 100

87 30.9 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.065 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011137.D

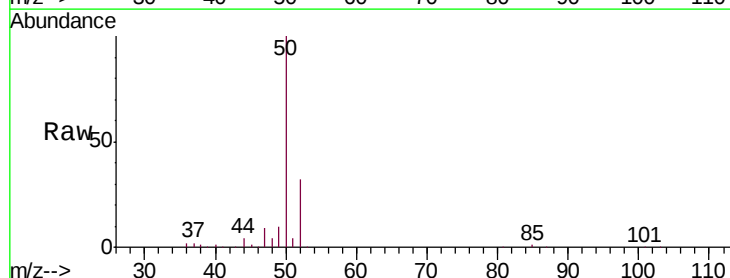
Acq: 03 Jul 2019 12:05

Tgt Ion: 50 Resp: 117078

Ion Ratio Lower Upper

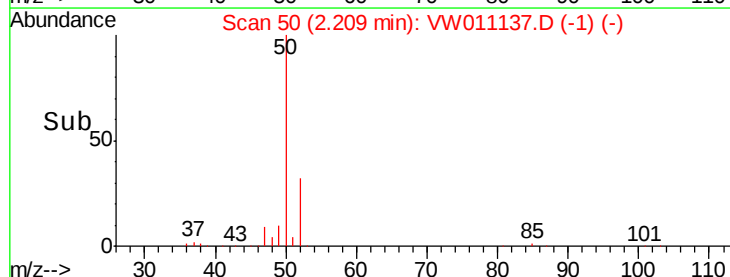
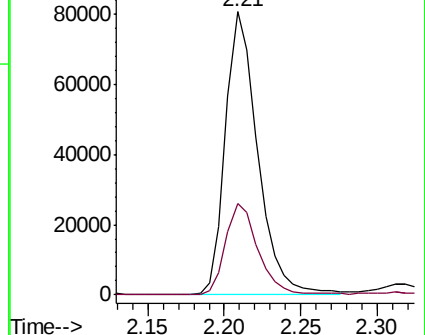
50 100

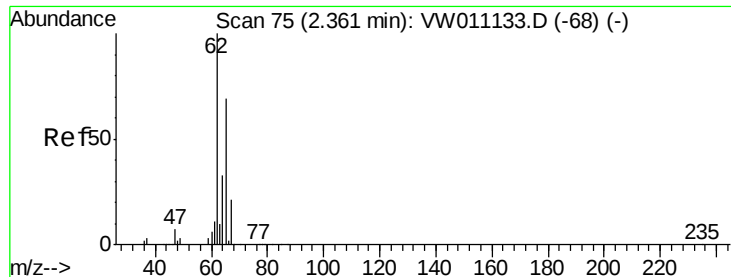
52 32.1 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.291 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

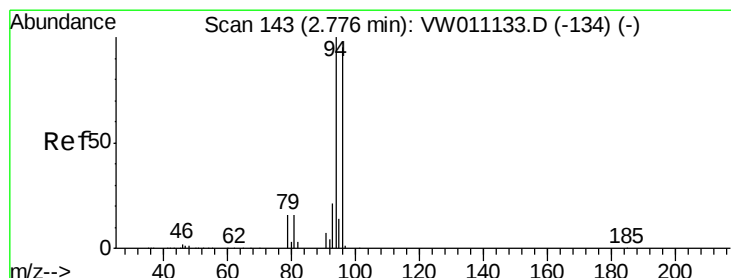
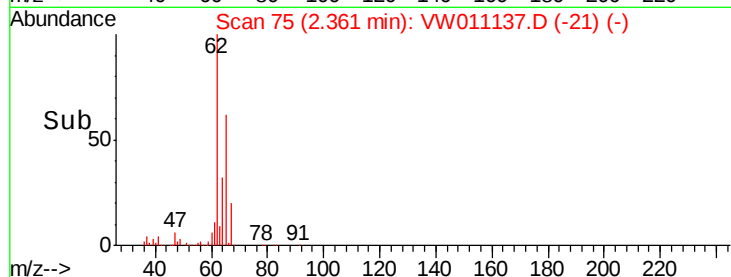
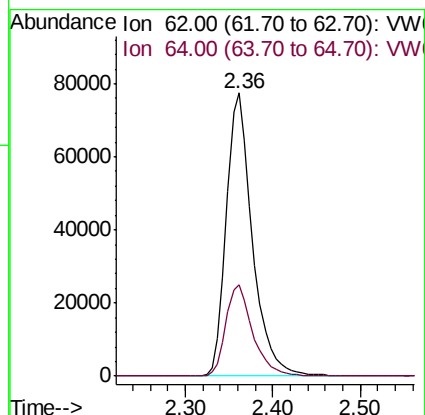
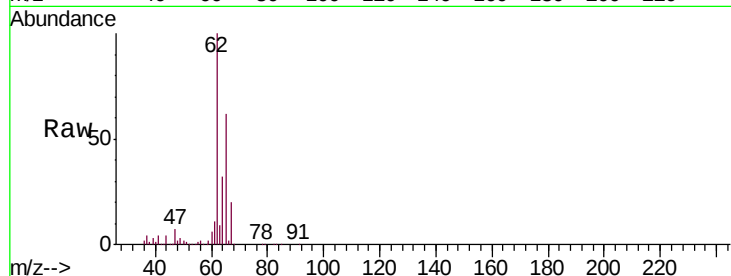
VSTD02516

Tgt Ion: 62 Resp: 160283

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.3



#6

Bromomethane

Concen: 25.841 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011137.D

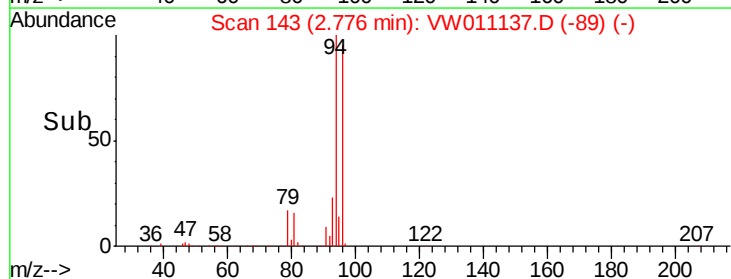
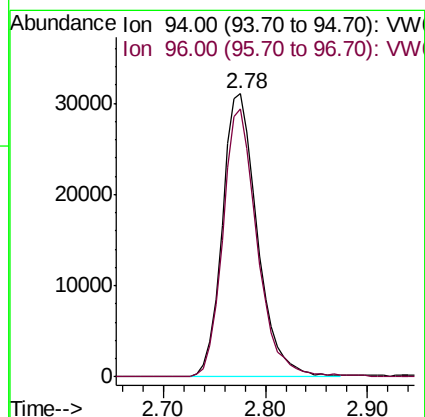
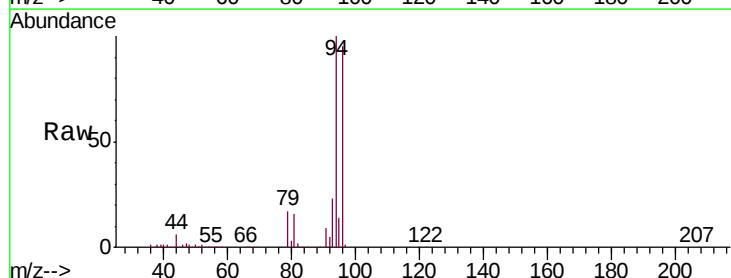
Acq: 03 Jul 2019 12:05

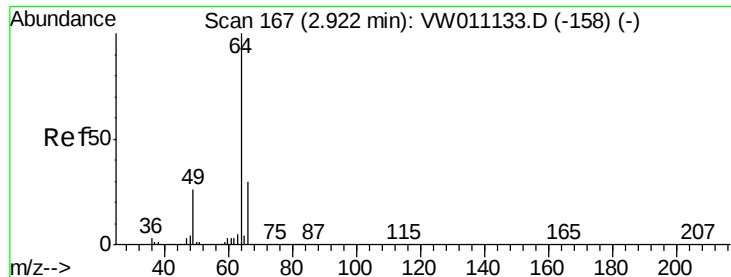
Tgt Ion: 94 Resp: 73704

Ion Ratio Lower Upper

94 100

96 92.6 9.3 177.3





#8

Chloroethane

Concen: 27.124 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

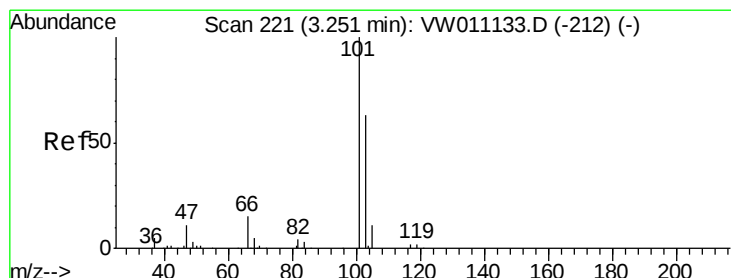
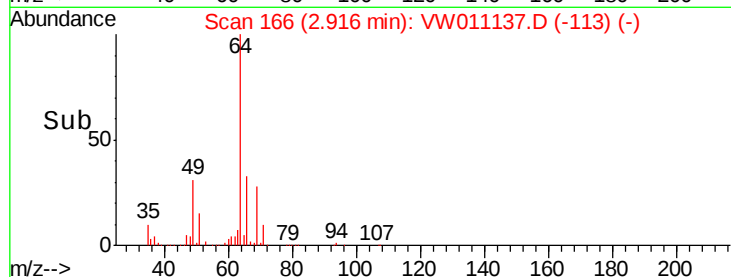
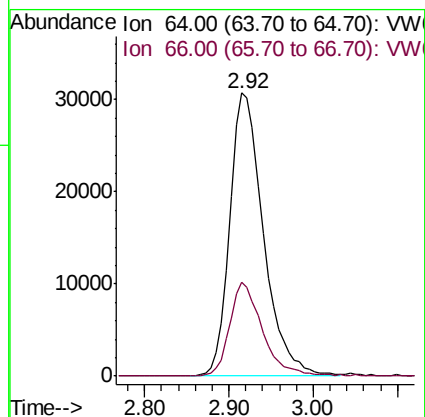
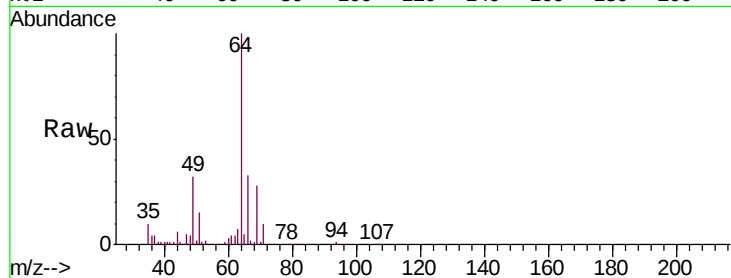
VSTD02516

Tgt Ion: 64 Resp: 83580

Ion Ratio Lower Upper

64 100

66 33.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 25.308 ug/L

RT: 3.24 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW011137.D

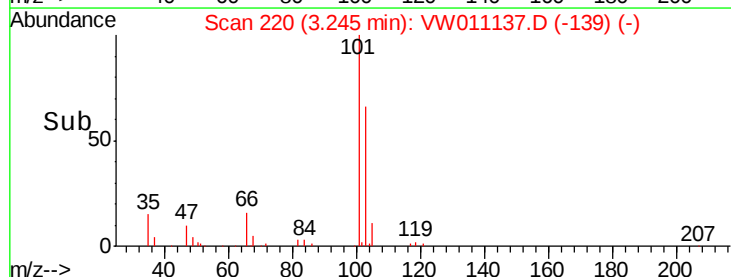
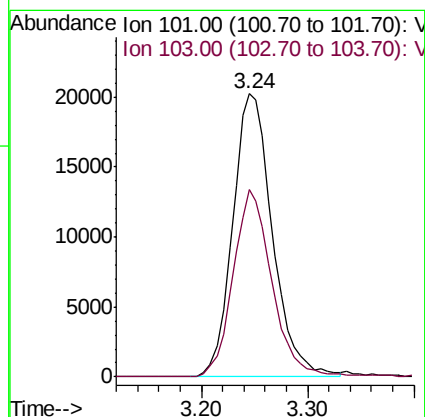
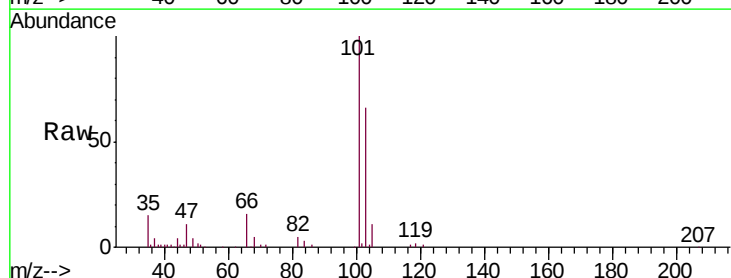
Acq: 03 Jul 2019 12:05

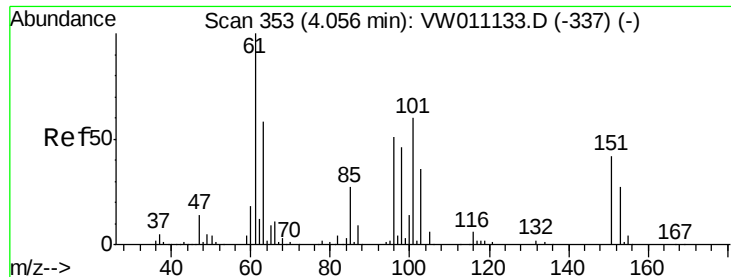
Tgt Ion: 101 Resp: 52827

Ion Ratio Lower Upper

101 100

103 64.3 44.6 82.8





#11

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

Concen: 26.366 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011137.D

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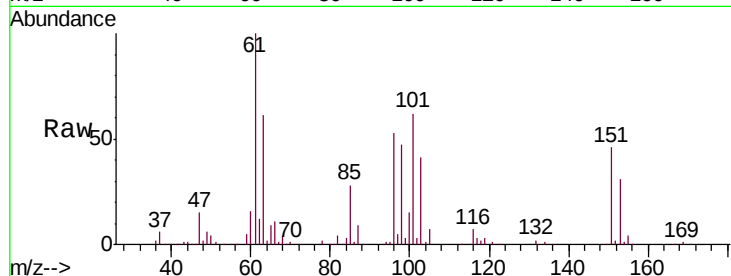
Tgt Ion: 101 Resp: 122629

Ion Ratio Lower Upper

101 100

85 44.0 33.8 50.8

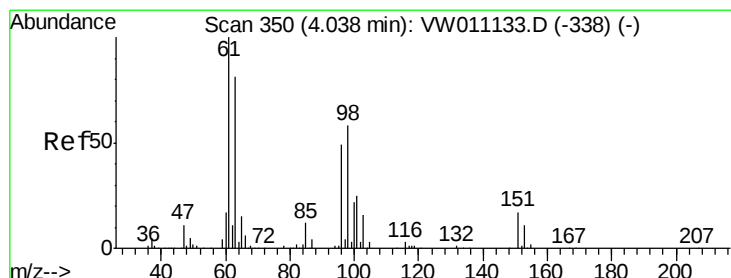
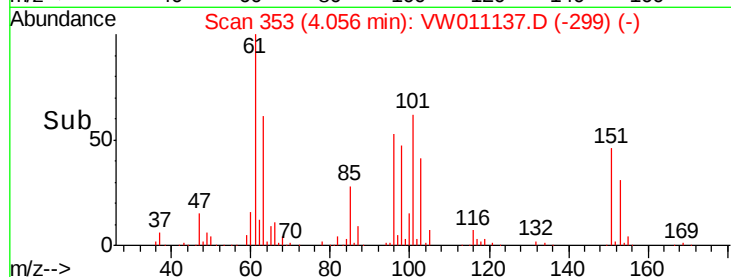
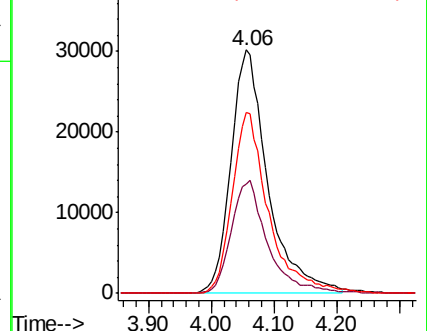
151 72.0 56.9 85.3



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: 26.360 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011137.D

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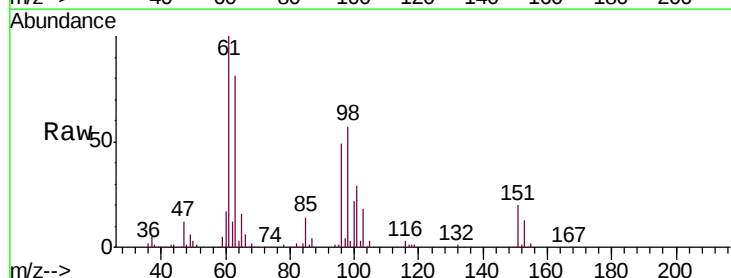
Tgt Ion: 96 Resp: 121180

Ion Ratio Lower Upper

96 100

61 204.7 142.2 264.0

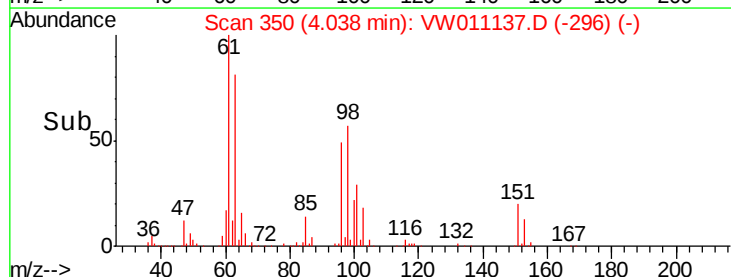
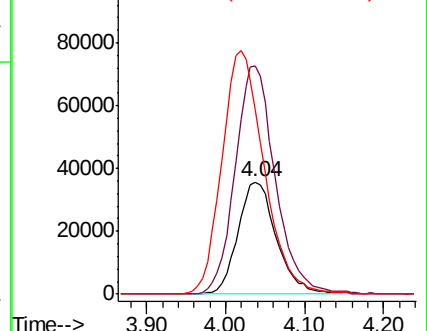
63 165.3 138.9 257.9

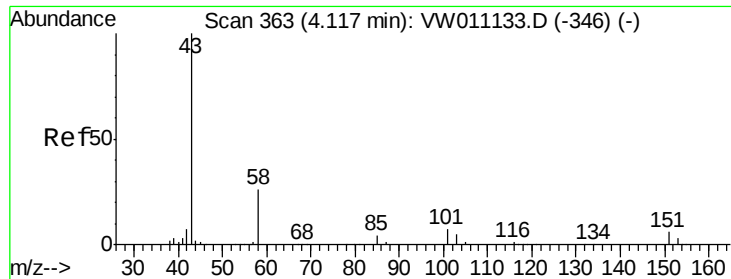


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.126 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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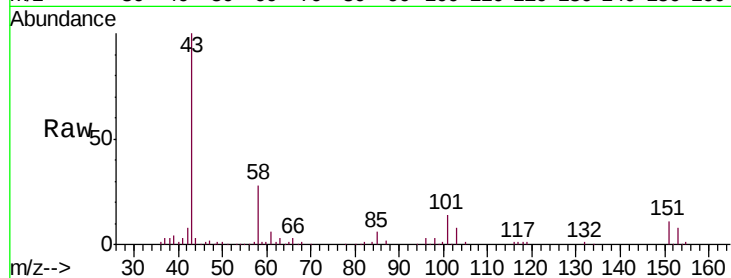
VSTD02516

Tgt Ion: 43 Resp: 105073

Ion Ratio Lower Upper

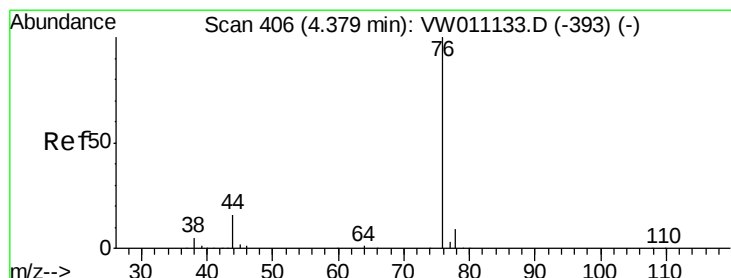
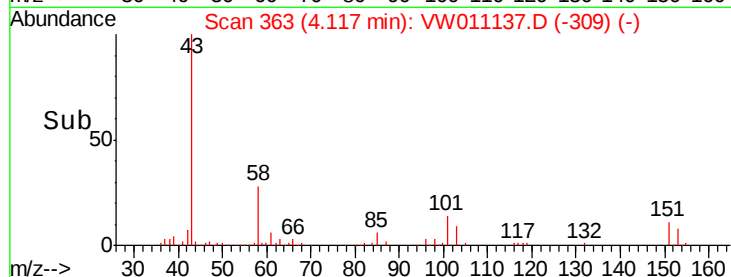
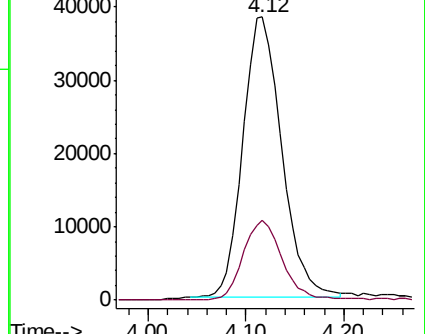
43 100

58 28.8 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.587 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011137.D

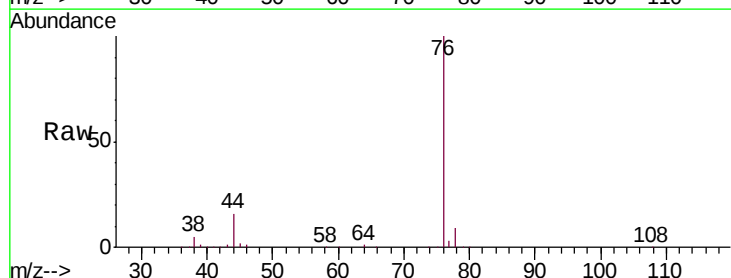
Acq: 03 Jul 2019 12:05

Tgt Ion: 76 Resp: 336471

Ion Ratio Lower Upper

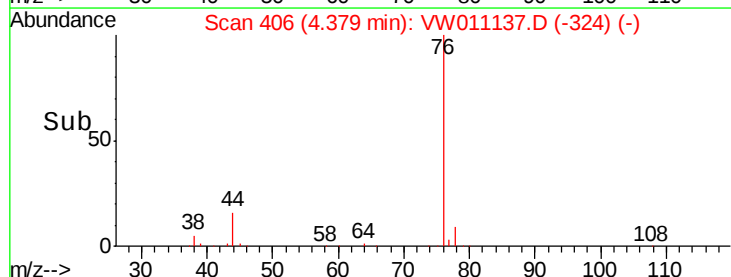
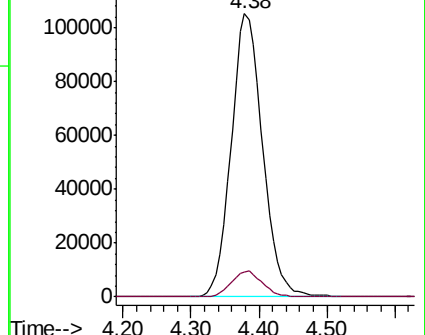
76 100

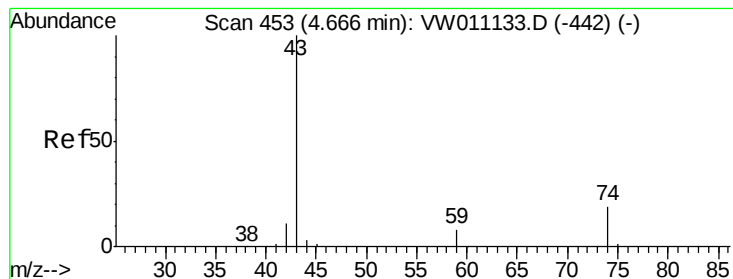
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 28.287 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

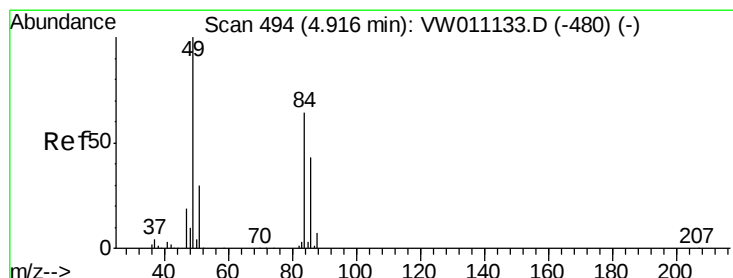
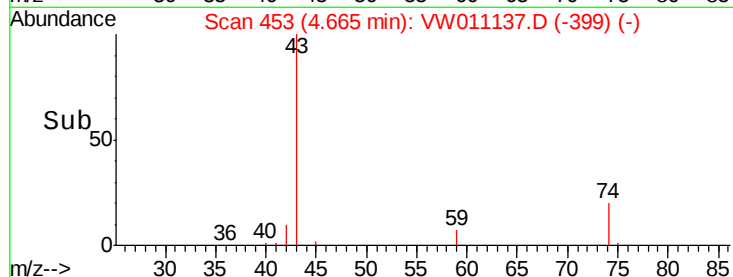
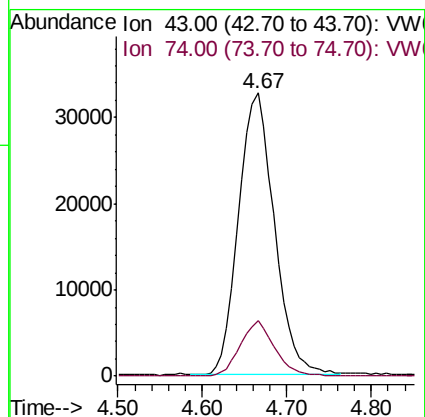
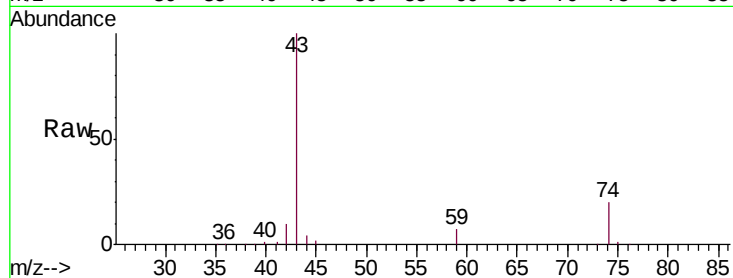
VSTD02516

Tgt Ion: 43 Resp: 94598

Ion Ratio Lower Upper

43 100

74 18.5 15.1 22.7



#16

Methylene chloride

Concen: 25.595 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

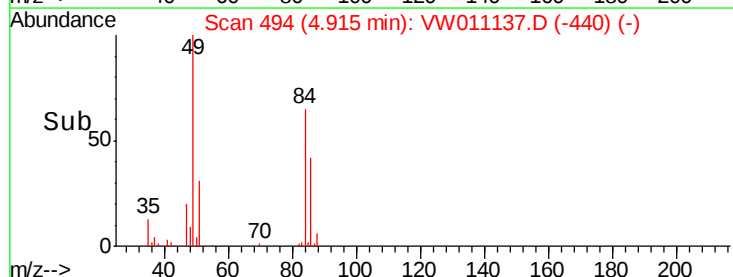
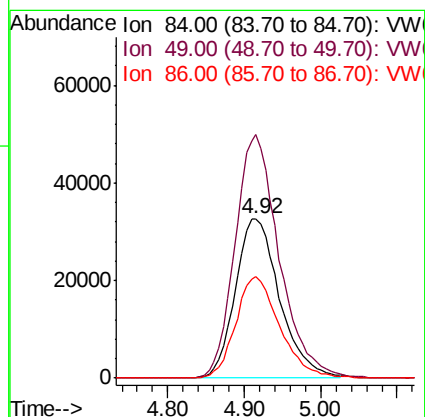
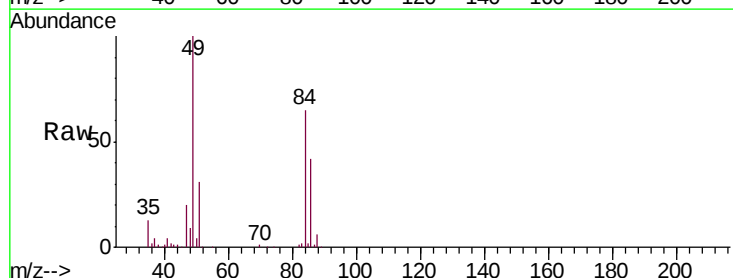
Tgt Ion: 84 Resp: 131570

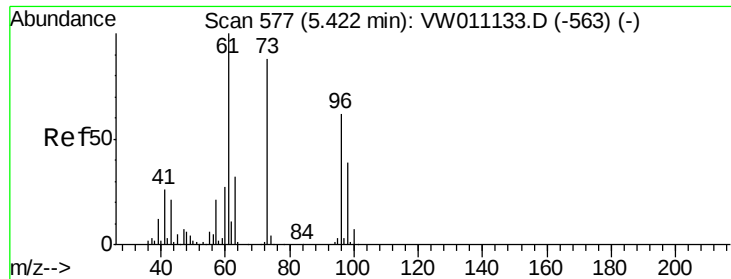
Ion Ratio Lower Upper

84 100

49 153.0 102.5 190.3

86 63.7 46.4 86.2

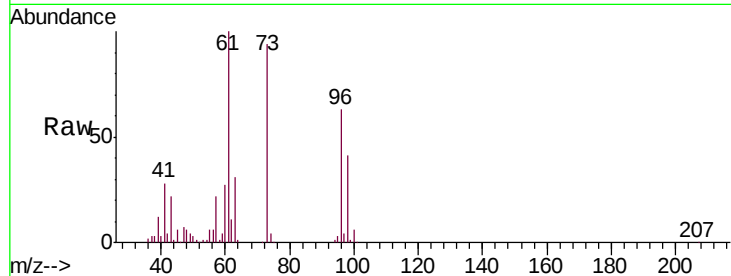




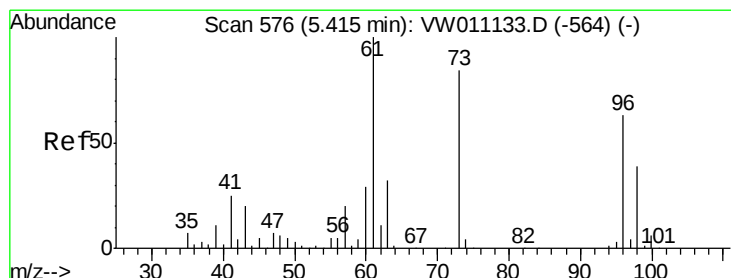
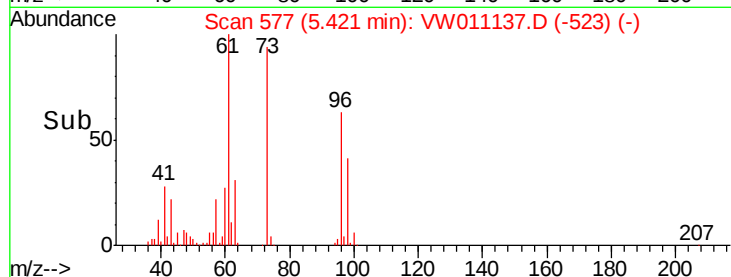
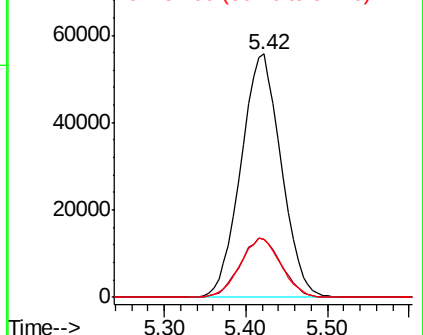
#17
Methyl tert-butyl Ether
Concen: 26.809 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Instrument :
MSVOA_W
ClientSampled :
VSTD02516

Tgt Ion: 73 Resp: 191124
Ion Ratio Lower Upper
73 100
43 25.1 20.2 30.2
57 24.6 19.6 29.4

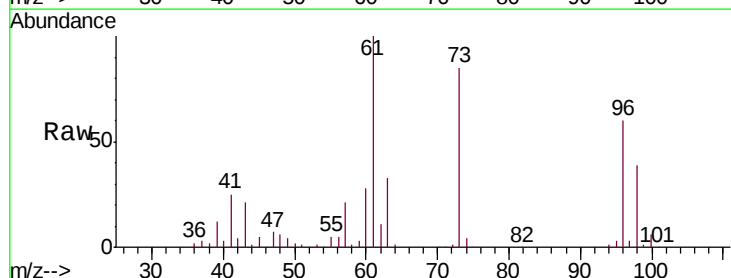


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

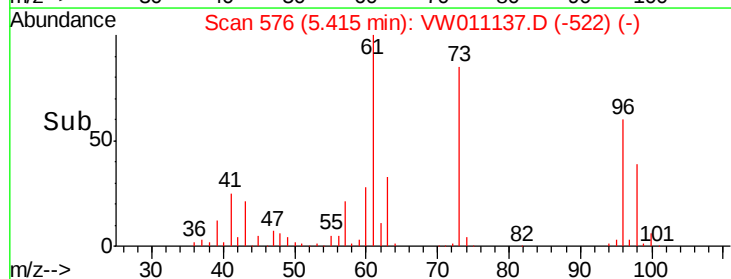
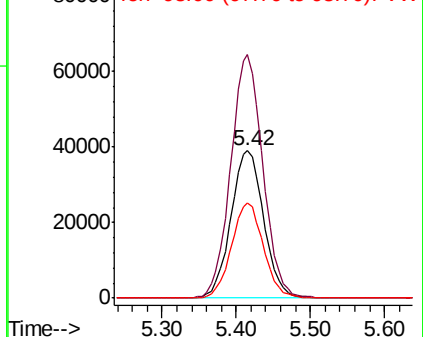


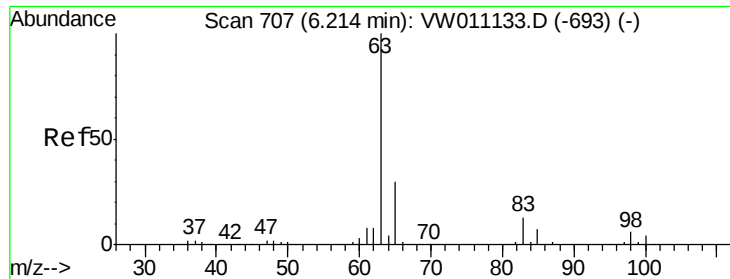
#18
trans-1,2-Dichloroethene
Concen: 25.857 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Tgt Ion: 96 Resp: 120114
Ion Ratio Lower Upper
96 100
61 165.4 113.7 211.1
98 64.6 43.3 80.3



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

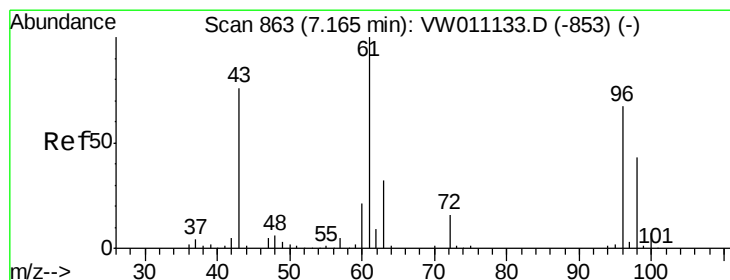
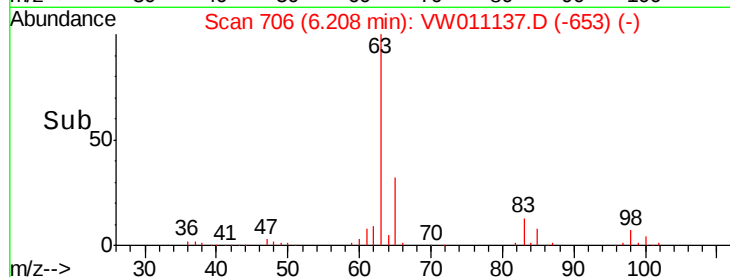
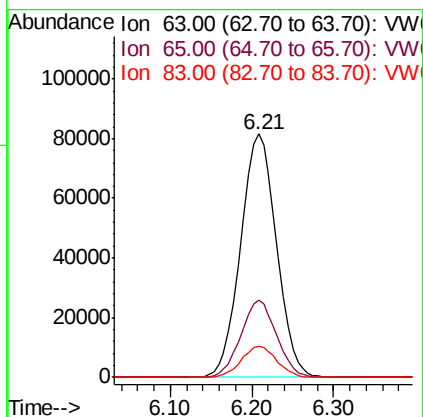
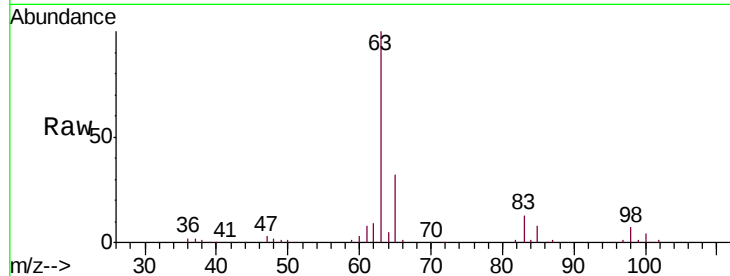




#19
 1,1-Dichloroethane
 Concen: 26.455 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

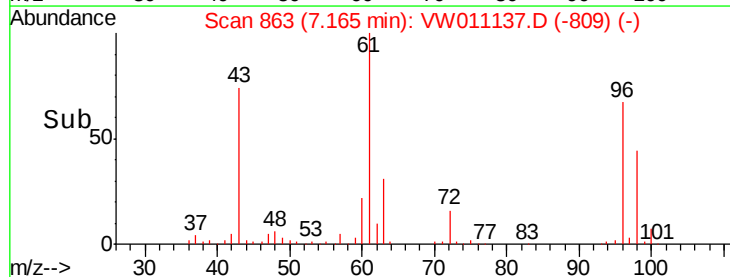
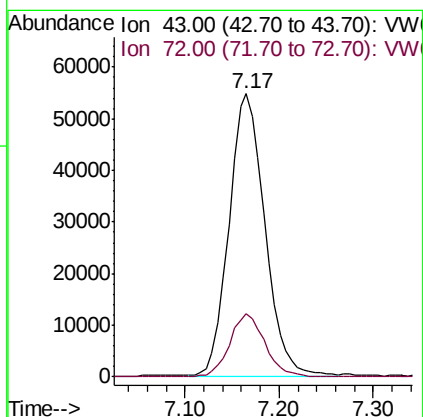
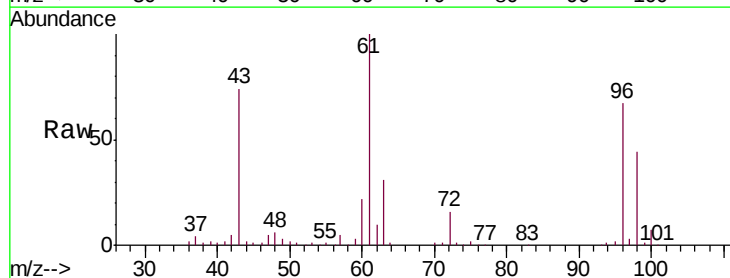
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

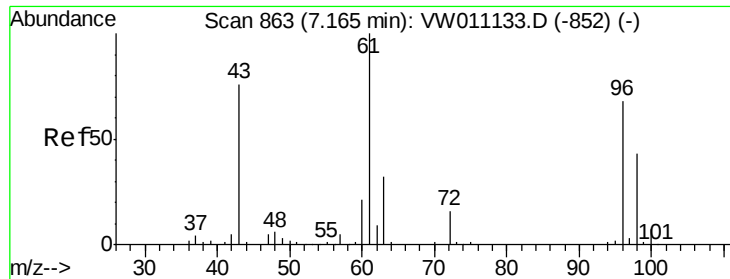
Tgt Ion: 63 Resp: 249488
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 12.6 9.0 16.6



#21
 2-Butanone
 Concen: 54.909 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion: 43 Resp: 145677
 Ion Ratio Lower Upper
 43 100
 72 21.8 11.2 33.6



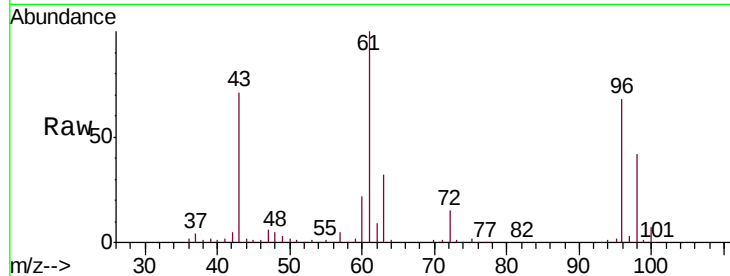


#22

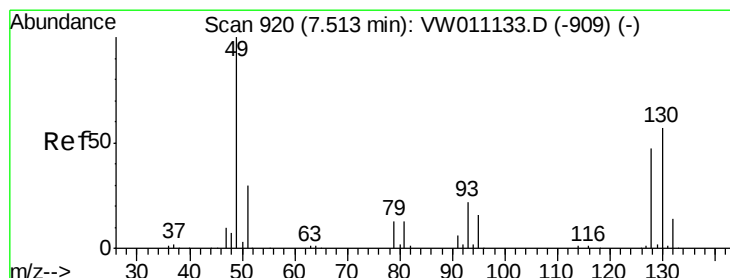
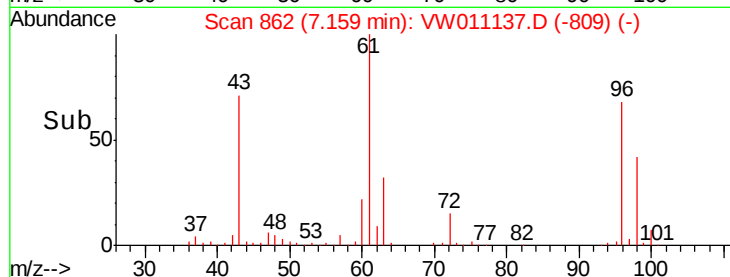
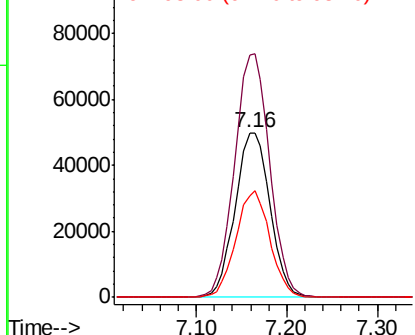
cis-1,2-Dichloroethene
 Concen: 26.535 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion: 96 Resp: 133425
 Ion Ratio Lower Upper
 96 100
 61 147.5 103.2 191.6
 98 61.6 44.8 83.2



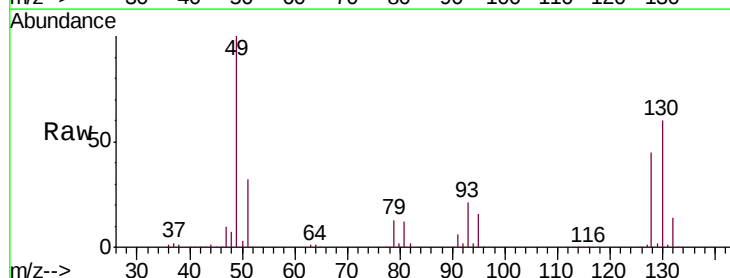
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



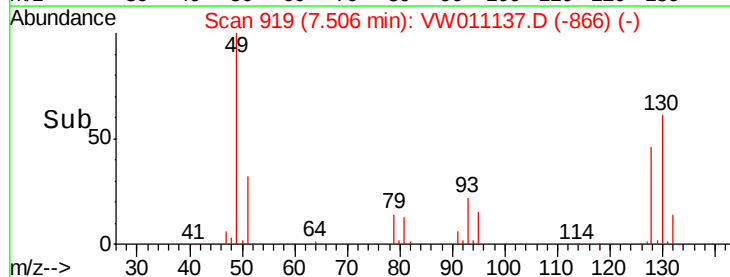
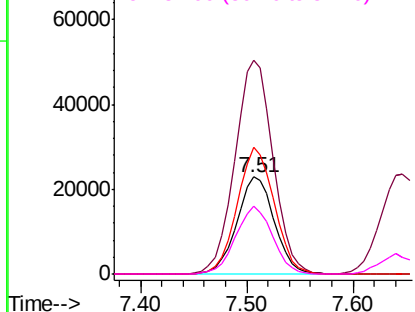
#23

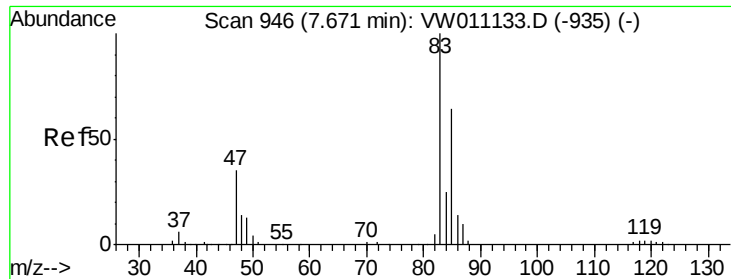
Bromochloromethane
 Concen: 26.717 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion: 128 Resp: 56370
 Ion Ratio Lower Upper
 128 100
 49 220.3 153.8 285.6
 130 131.3 86.4 160.4
 51 70.0 56.2 84.4



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

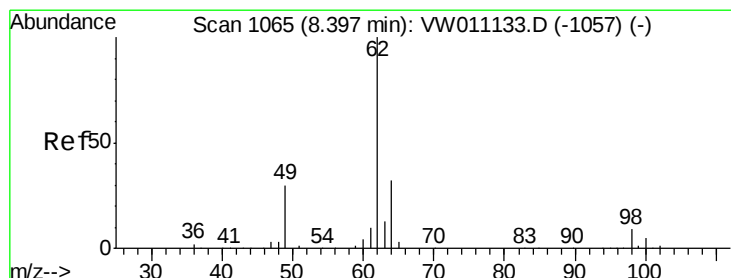
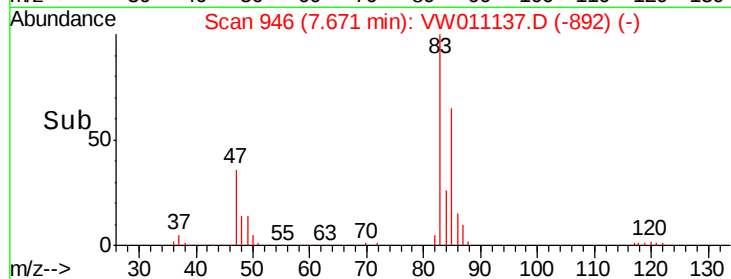
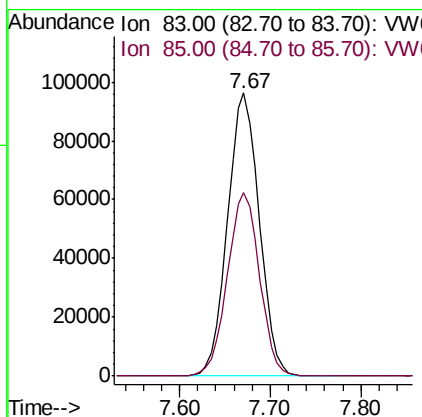
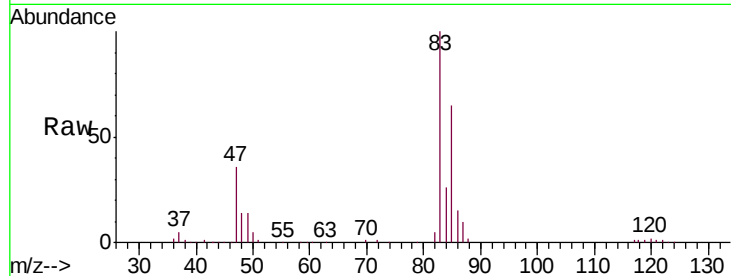




#25
Chloroform
Concen: 26.134 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

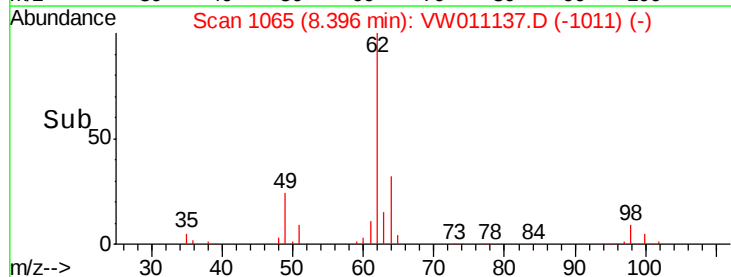
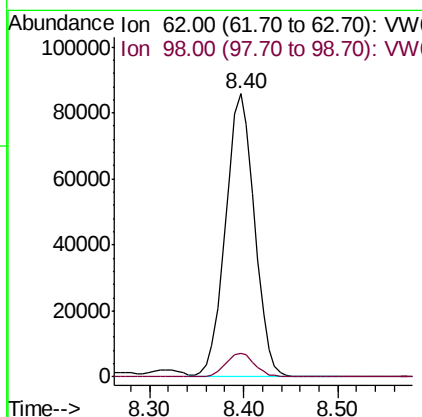
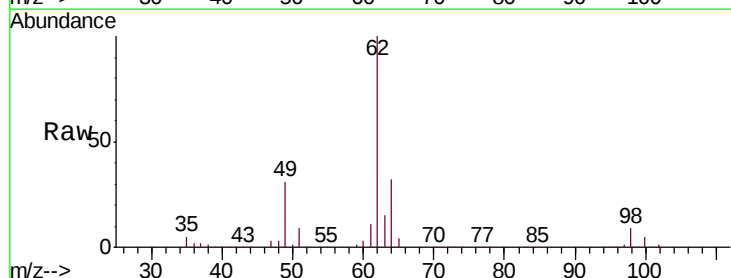
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

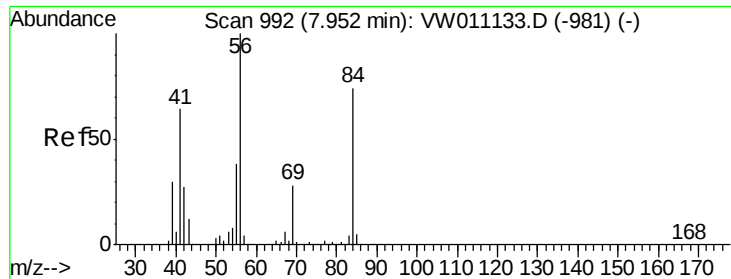
Tgt Ion: 83 Resp: 233453
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.6



#27
1,2-Dichloroethane
Concen: 26.734 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Tgt Ion: 62 Resp: 182551
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0

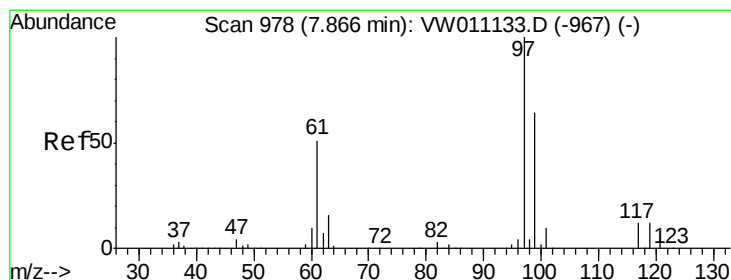
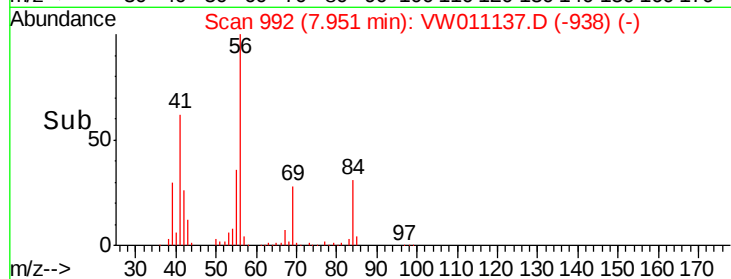
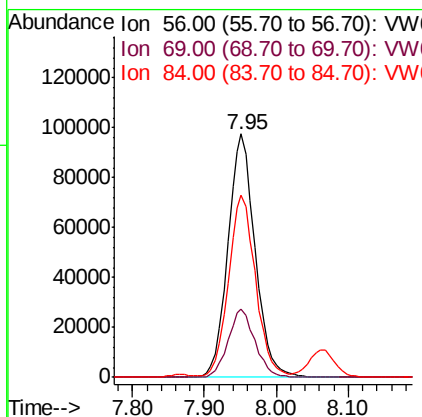
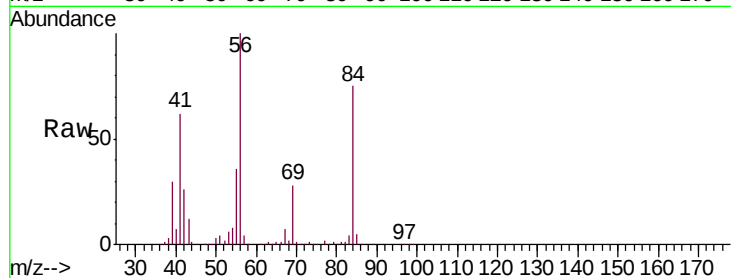




#30
Cyclohexane
Concen: 26.347 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

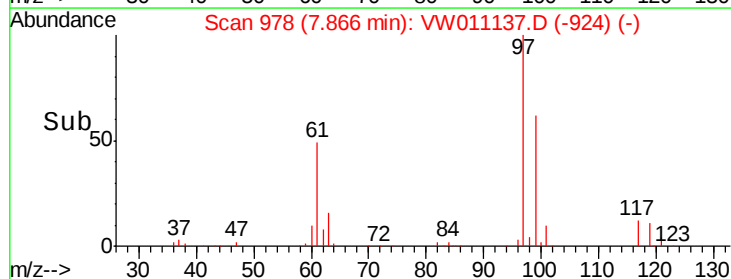
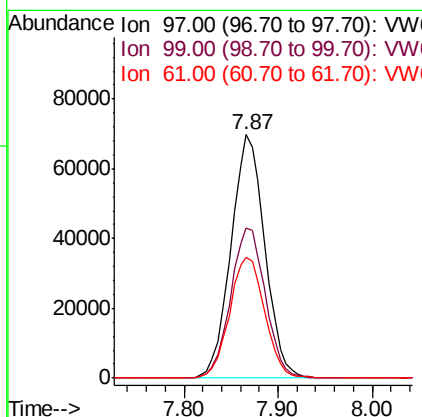
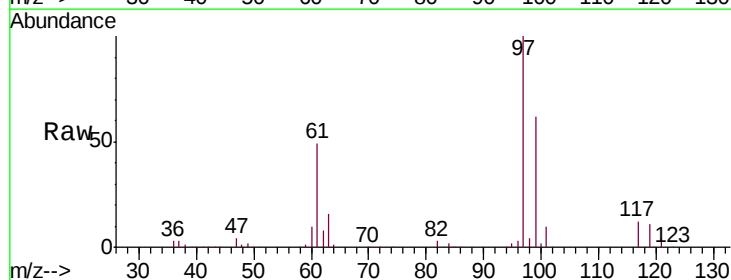
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

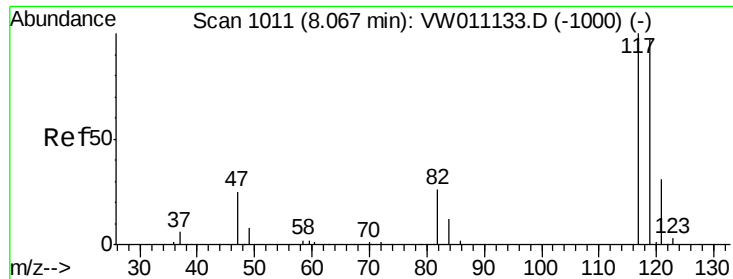
Tgt Ion: 56 Resp: 254898
Ion Ratio Lower Upper
56 100
69 27.8 22.5 33.7
84 75.1 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 26.297 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Tgt Ion: 97 Resp: 173669
Ion Ratio Lower Upper
97 100
99 63.3 50.6 75.8
61 51.6 40.9 61.3





#32

Carbon tetrachloride

Concen: 26.075 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

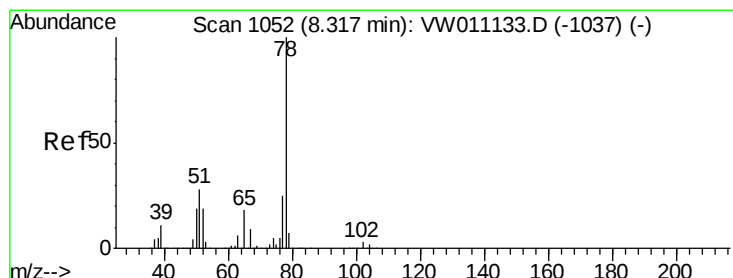
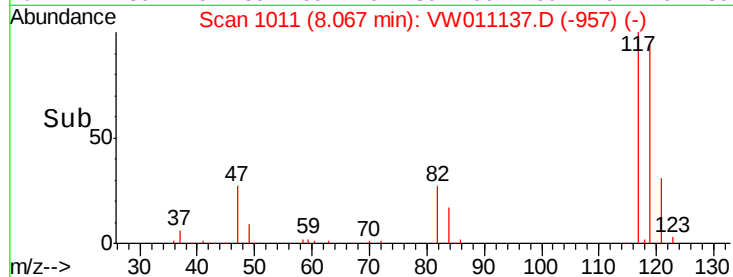
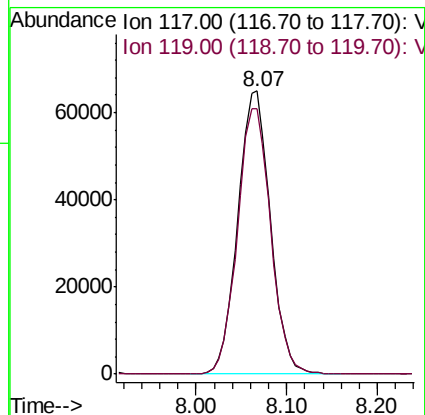
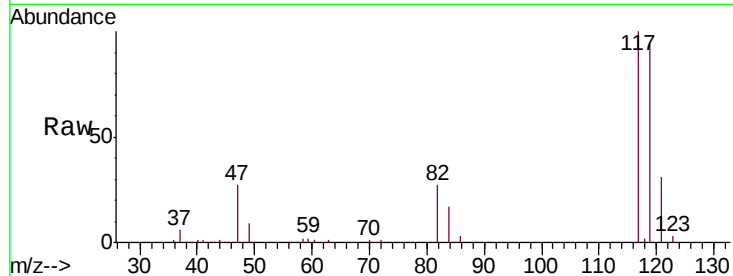
VSTD02516

Tgt Ion:117 Resp: 161498

Ion Ratio Lower Upper

117 100

119 96.0 77.4 116.0



#34

Benzene

Concen: 26.329 ug/L

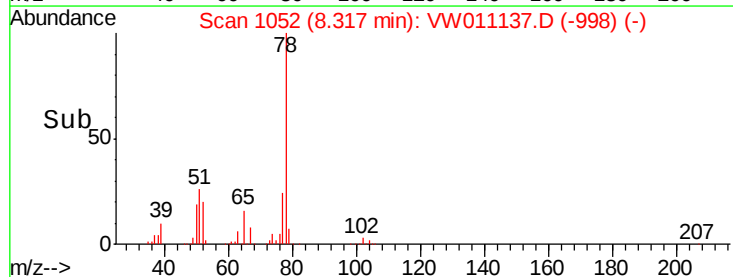
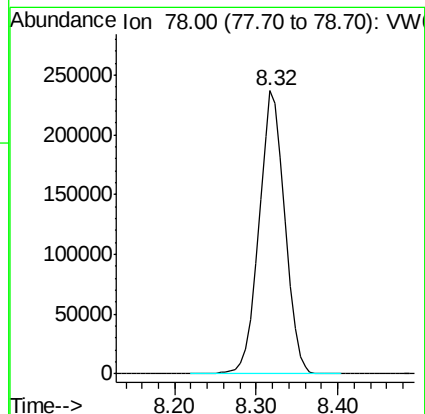
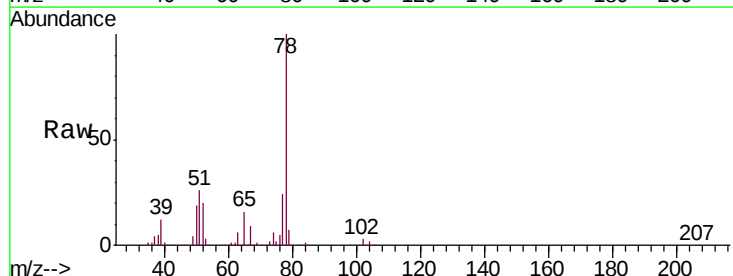
RT: 8.32 min Scan# 1052

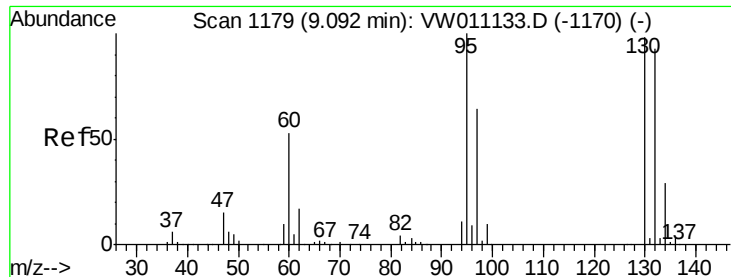
Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Tgt Ion: 78 Resp: 523614

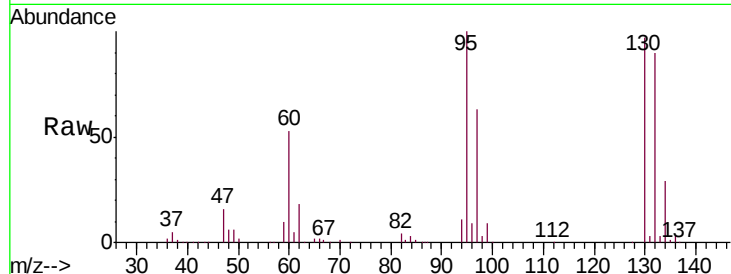




#35
 Trichloroethene
 Concen: 25.925 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

Tgt Ion:	95	Resp:	130103
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.2
132	92.4	65.0	120.8
130	96.5	67.8	126.0



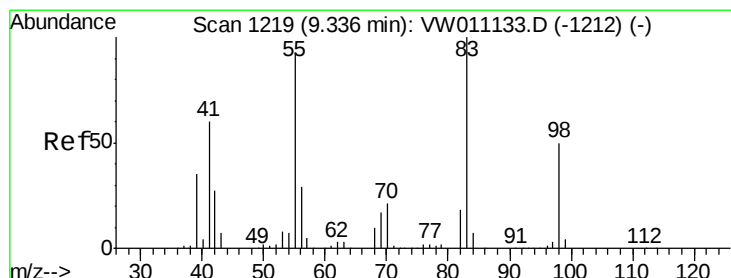
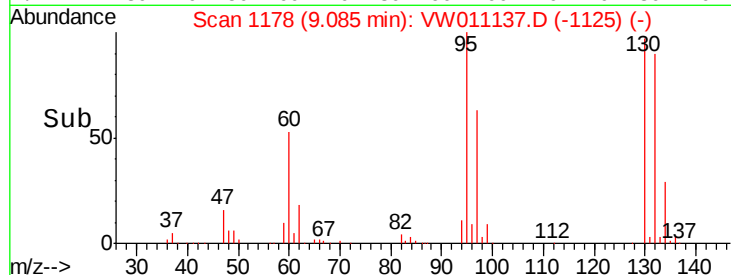
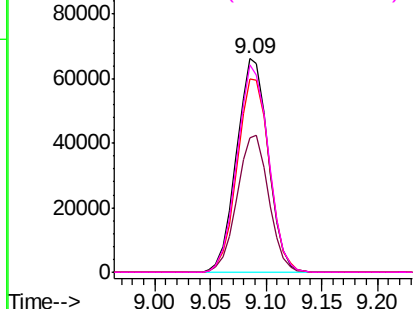
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

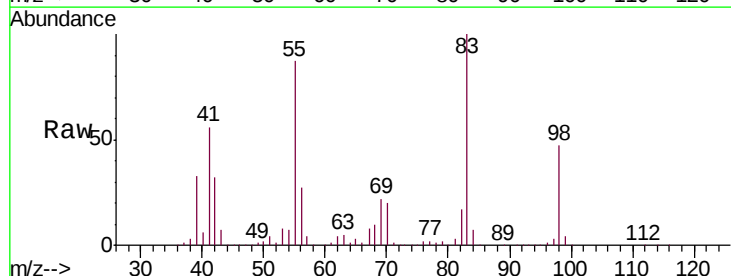
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 26.444 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion:	83	Resp:	238816
Ion	Ratio	Lower	Upper
83	100		
55	88.9	72.2	108.4
98	46.5	38.2	57.4

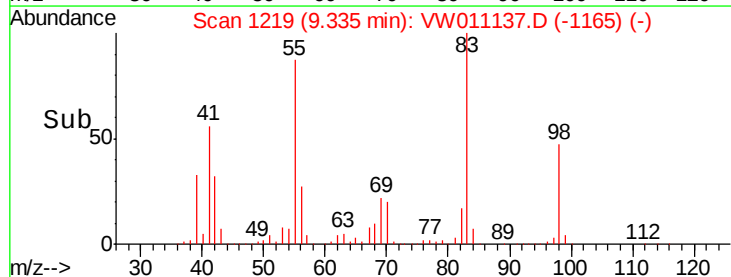
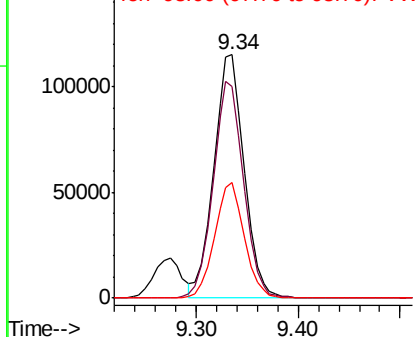


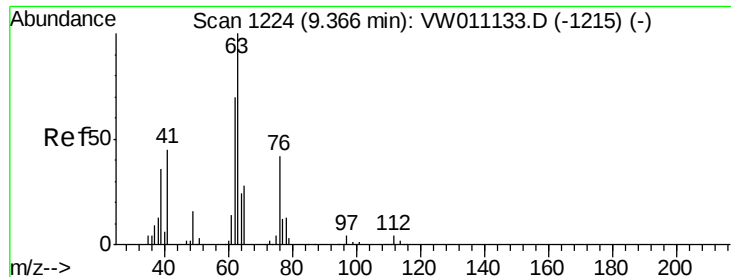
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

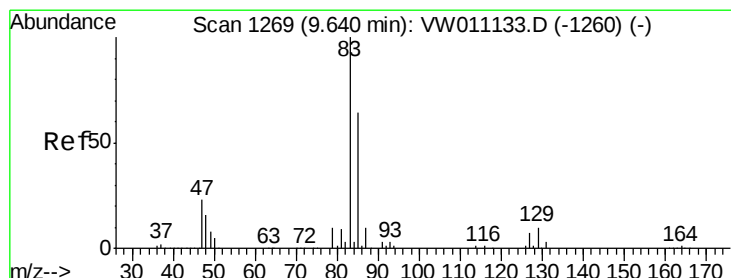
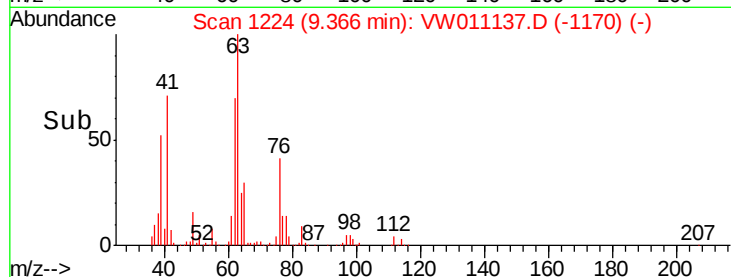
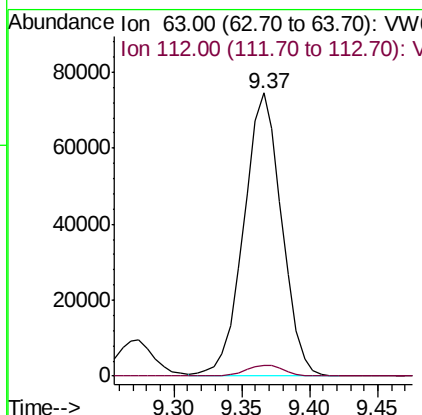
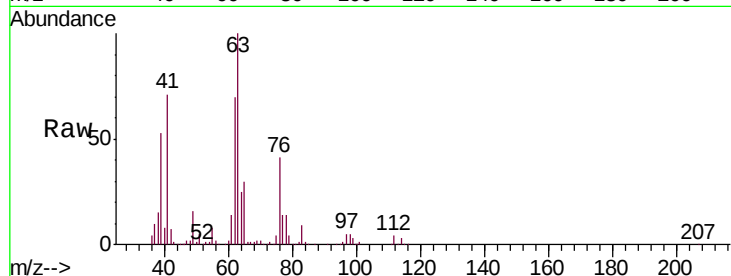




#40
 1,2-Dichloropropane
 Concen: 26.703 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

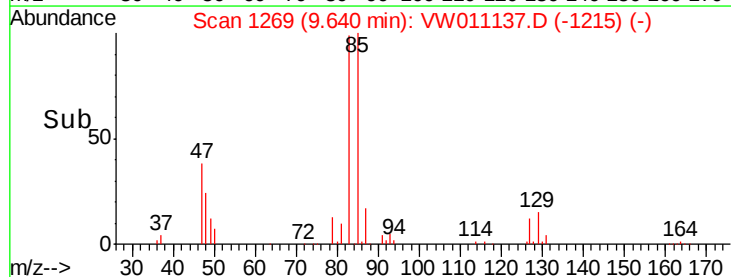
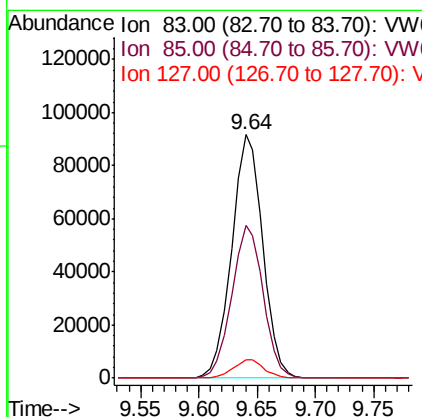
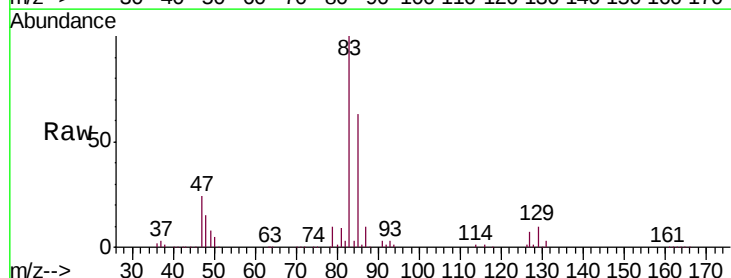
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

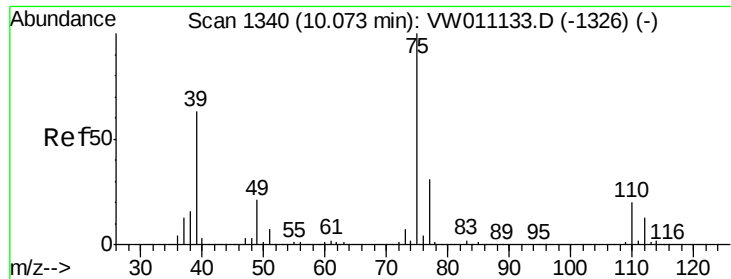
Tgt Ion: 63 Resp: 145515
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#41
 Bromodichloromethane
 Concen: 27.026 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion: 83 Resp: 169798
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.5 84.5
 127 7.4 5.8 8.8

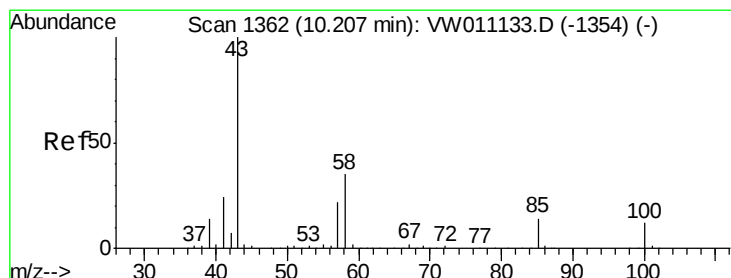
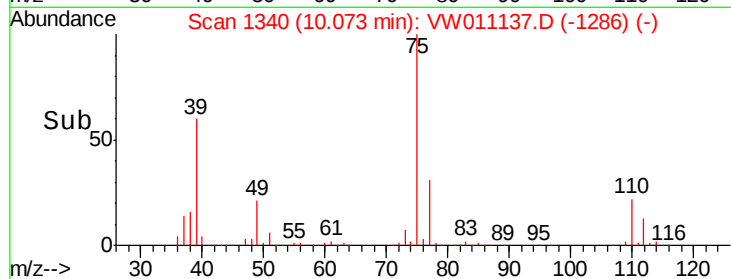
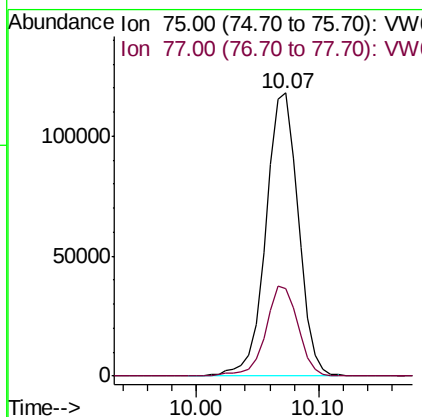
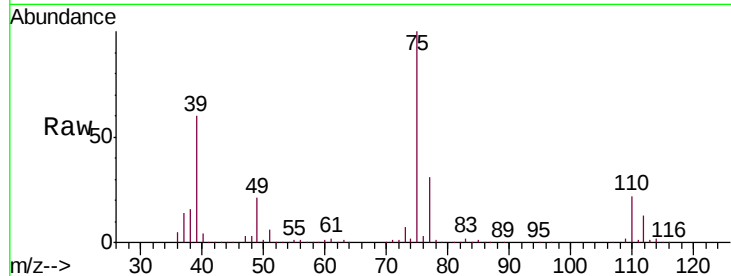




#42
 cis-1,3-Dichloropropene
 Concen: 27.127 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

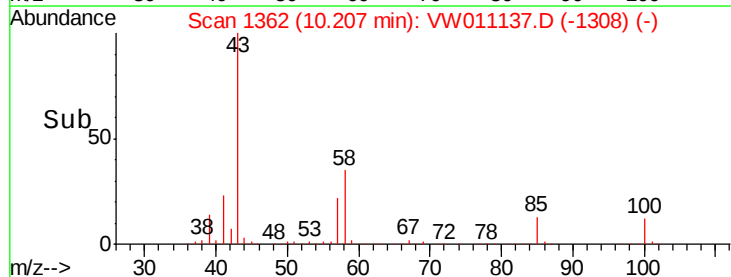
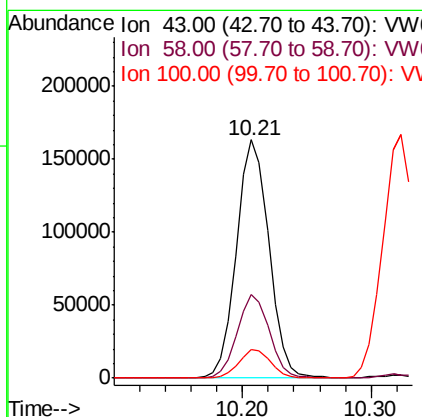
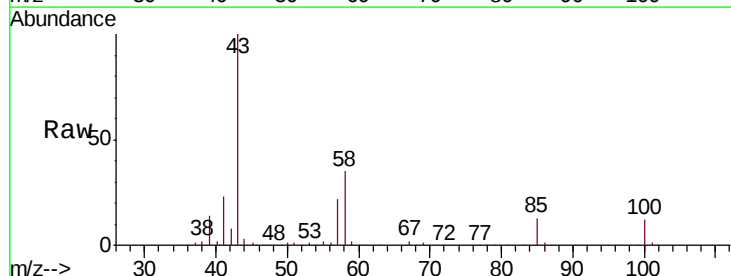
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

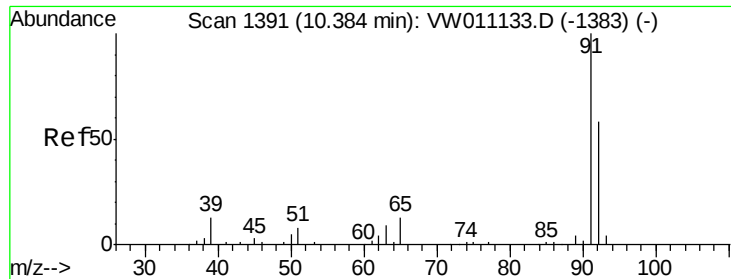
Tgt Ion: 75 Resp: 218115
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 56.331 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion: 43 Resp: 284565
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.1 42.1
 100 11.8 9.3 13.9





#44

Toluene

Concen: 26.795 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

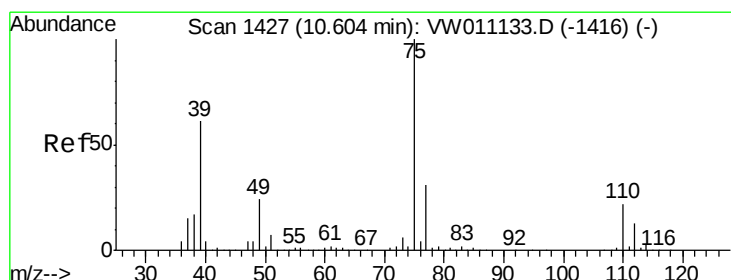
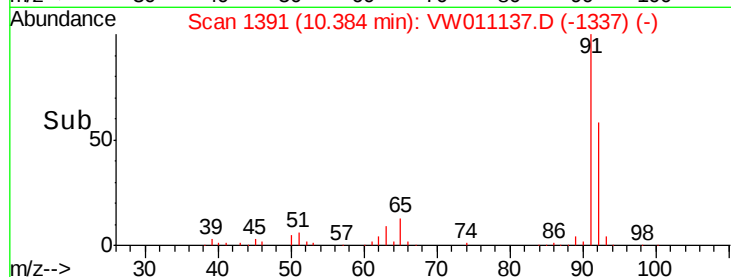
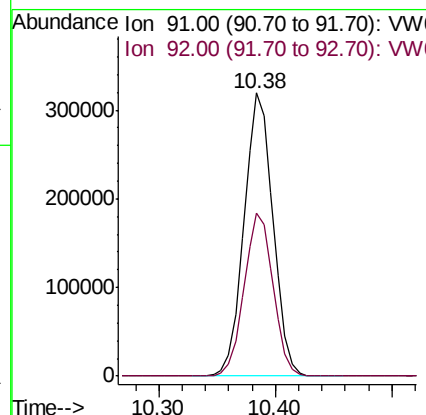
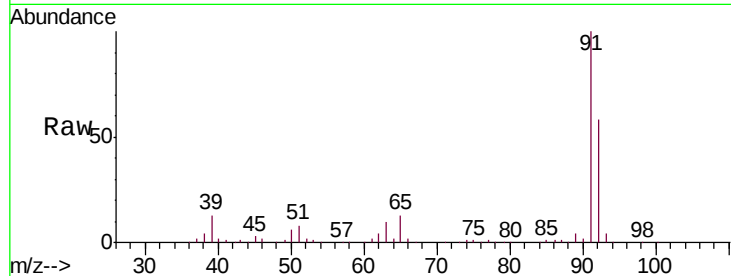
VSTD02516

Tgt Ion: 91 Resp: 551549

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 27.435 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011137.D

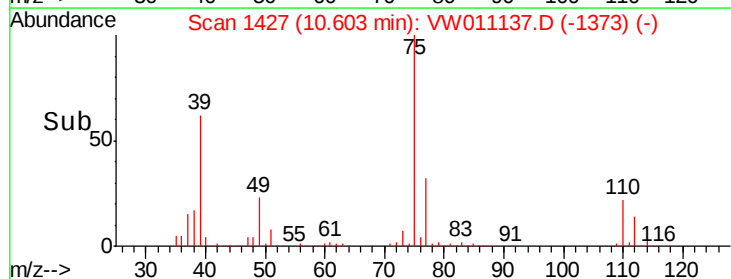
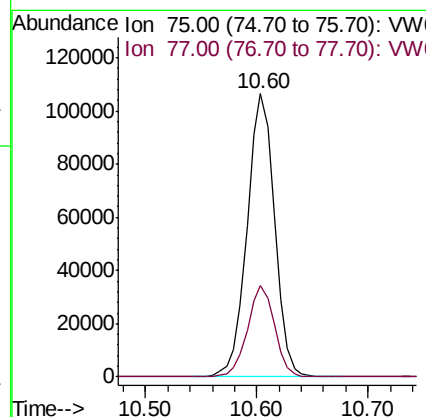
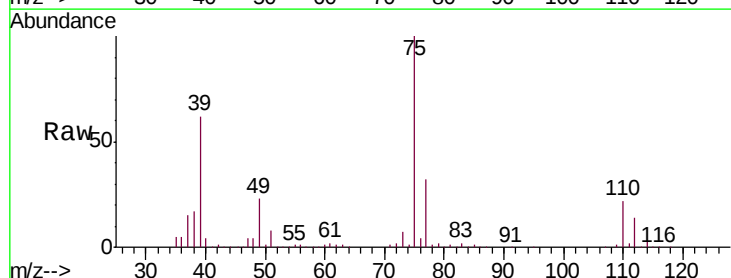
Acq: 03 Jul 2019 12:05

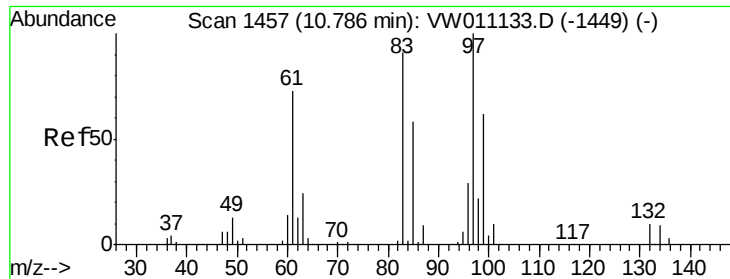
Tgt Ion: 75 Resp: 182530

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 27.069 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tgt Ion: 97 Resp: 102152

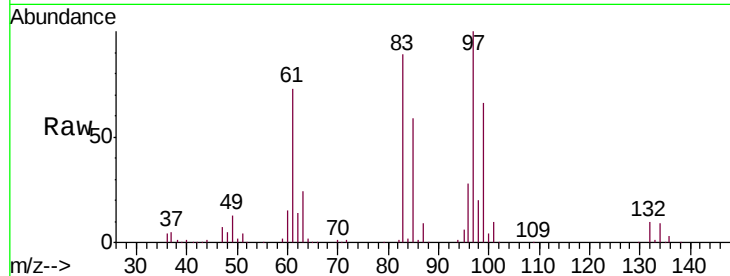
Ion Ratio Lower Upper

97 100

83 88.9 63.1 117.3

85 58.6 39.0 72.4

99 66.3 41.5 77.1

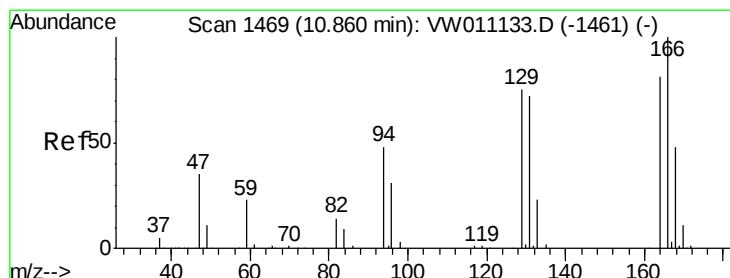
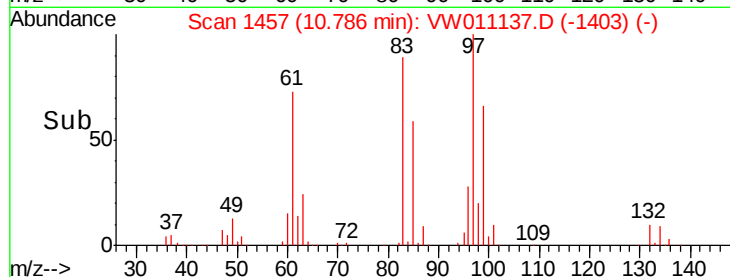
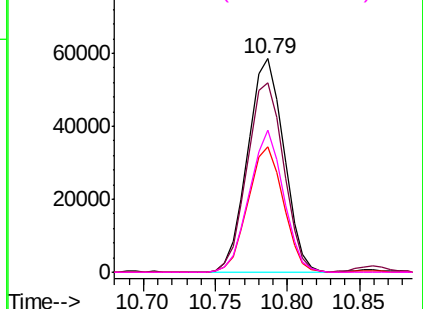


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.166 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Tgt Ion: 164 Resp: 99243

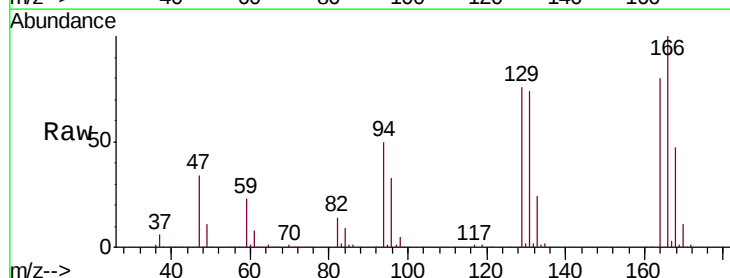
Ion Ratio Lower Upper

164 100

129 95.2 68.5 127.1

131 92.7 64.8 120.4

166 125.3 87.9 163.3

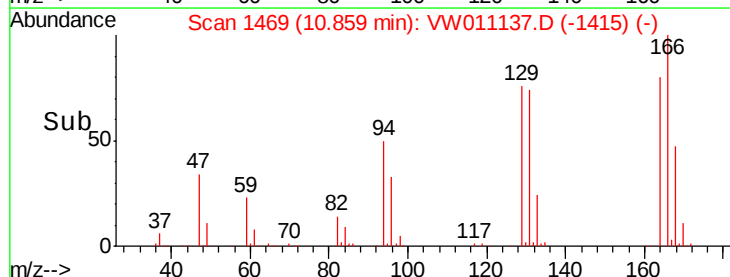
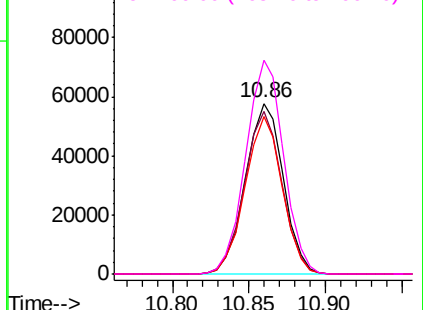


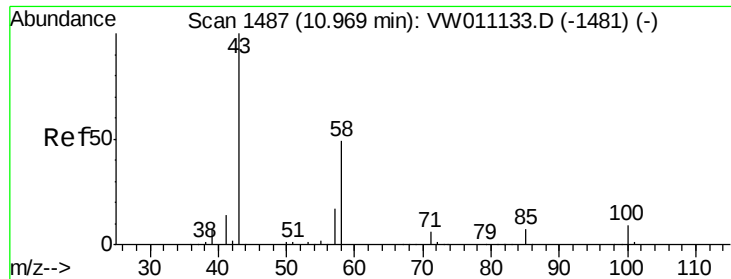
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

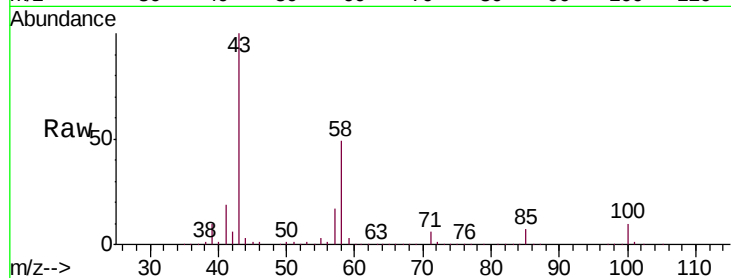




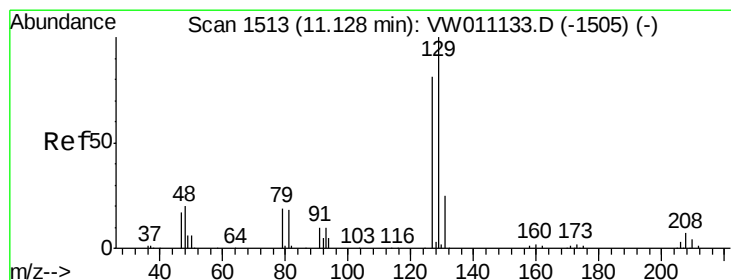
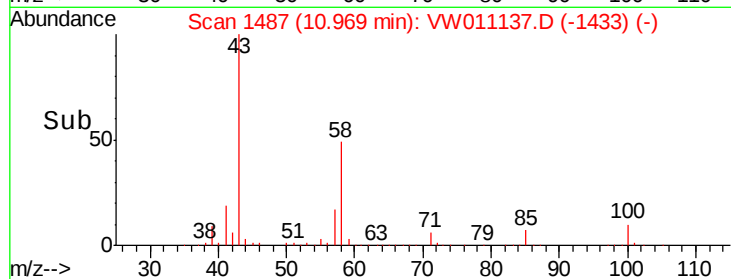
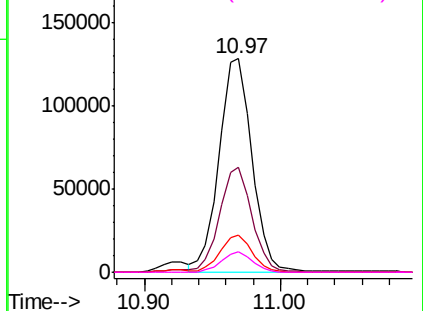
#49
2-Hexanone
Concen: 58.678 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Tgt Ion:	43	Resp:	215762
Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.4	57.6
57	17.1	13.3	19.9
100	9.3	7.3	10.9

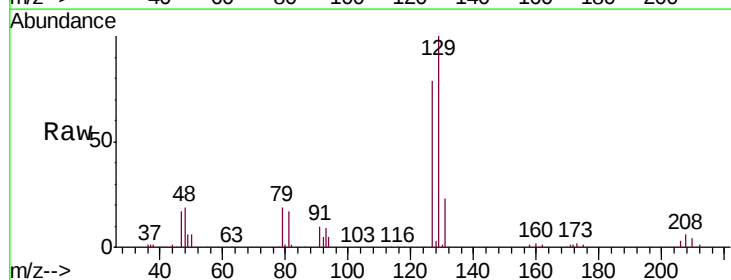


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

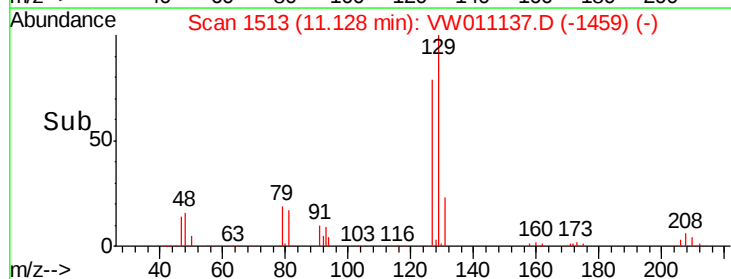
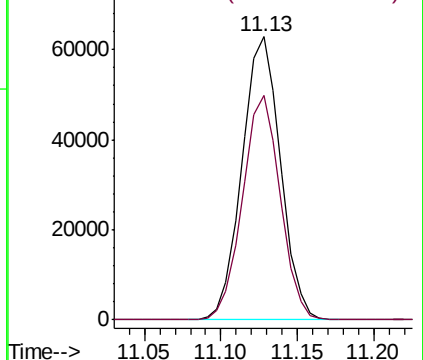


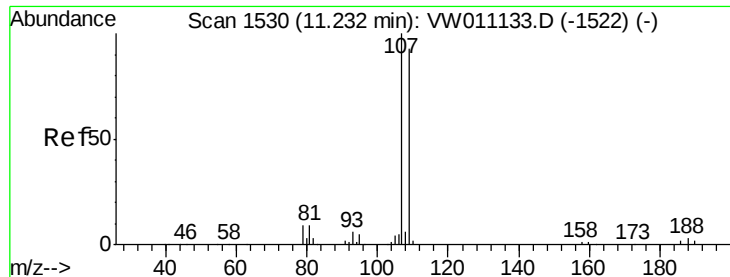
#50
Dibromochloromethane
Concen: 27.340 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Tgt Ion:	129	Resp:	109867
Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.3	99.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

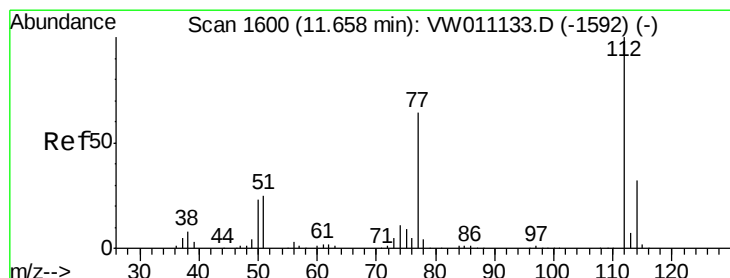
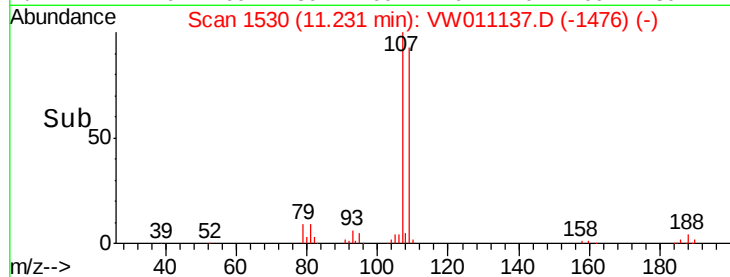
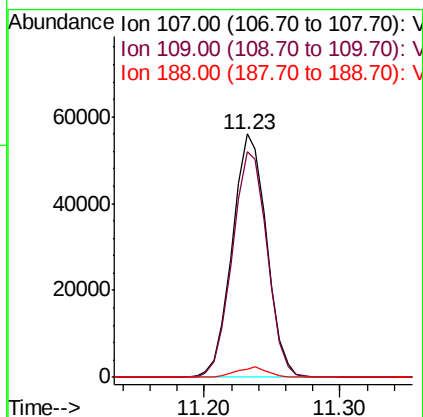
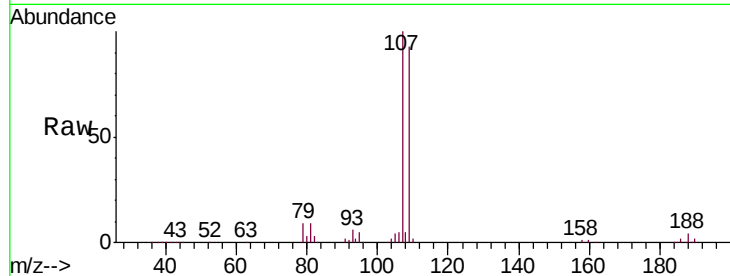




#51
1,2-Dibromoethane
Concen: 27.128 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

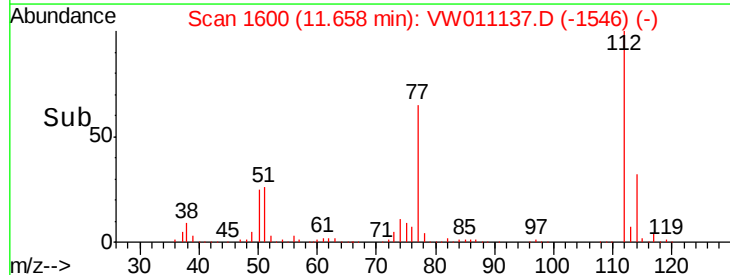
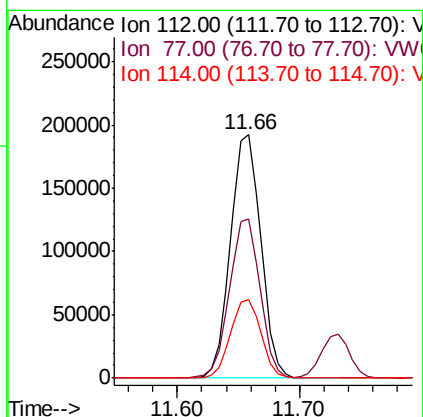
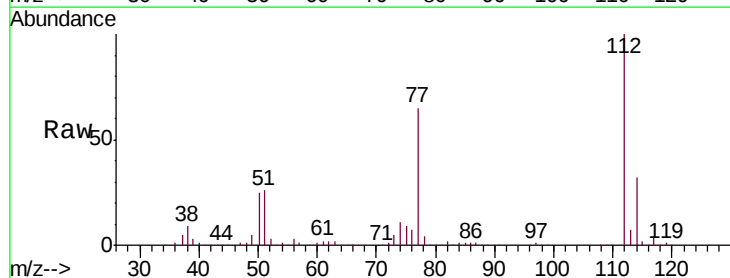
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

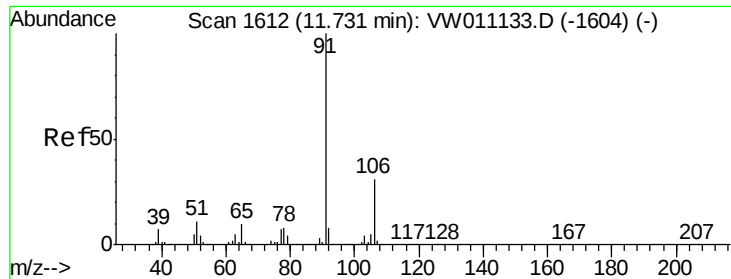
Tgt Ion:107 Resp: 98850
Ion Ratio Lower Upper
107 100
109 92.6 64.3 119.3
188 3.6 3.2 4.8



#52
Chlorobenzene
Concen: 26.190 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Tgt Ion:112 Resp: 329355
Ion Ratio Lower Upper
112 100
77 65.4 51.2 76.8
114 32.1 22.0 40.8

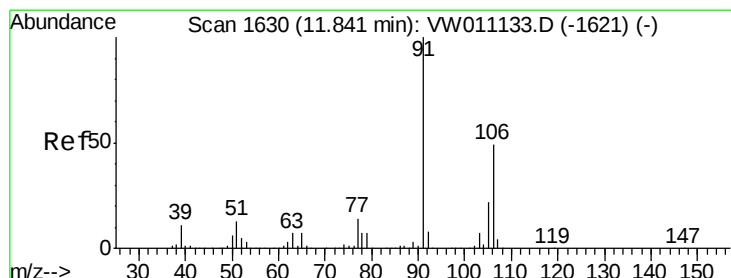
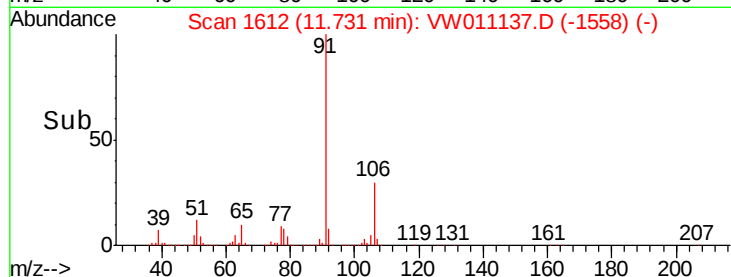
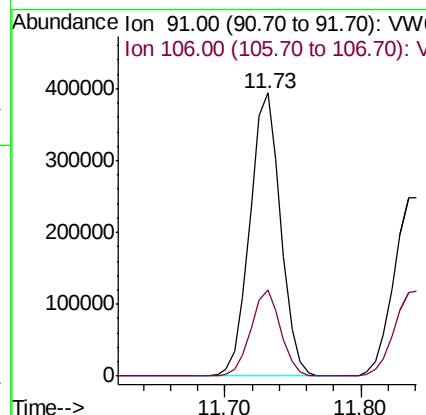
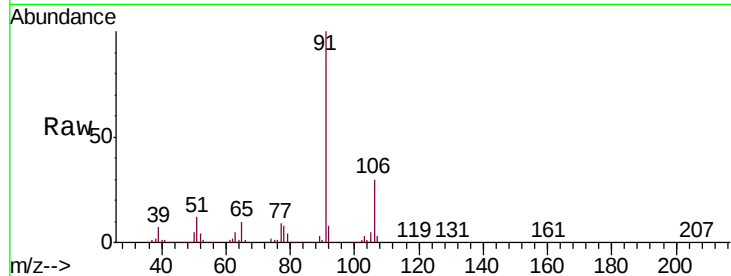




#53
Ethylbenzene
Concen: 26.709 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

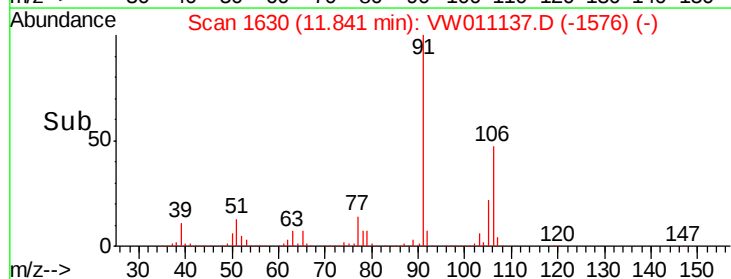
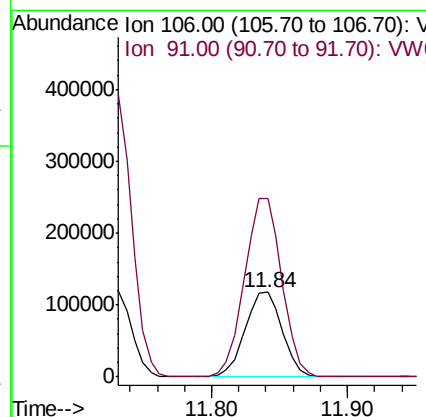
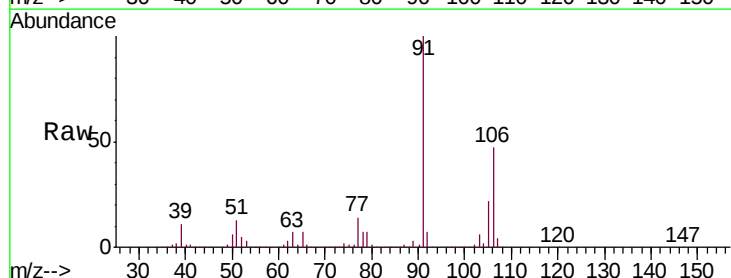
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

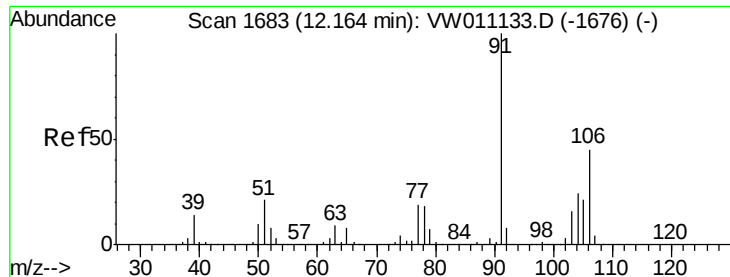
Tgt Ion: 91 Resp: 623623
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4



#54
m,p-Xylene
Concen: 26.442 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011137.D
Acq: 03 Jul 2019 12:05

Tgt Ion: 106 Resp: 224149
Ion Ratio Lower Upper
106 100
91 210.7 142.6 264.8





#55

o-xylene

Concen: 27.034 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

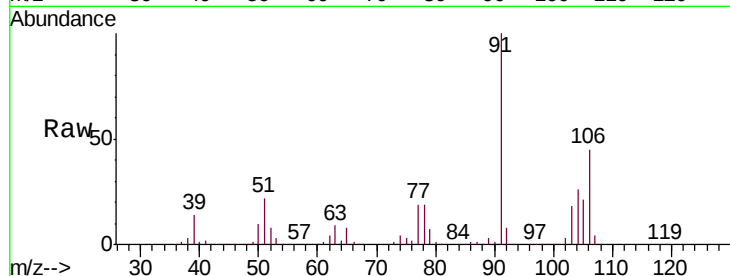
VSTD02516

Tgt Ion:106 Resp: 218008

Ion Ratio Lower Upper

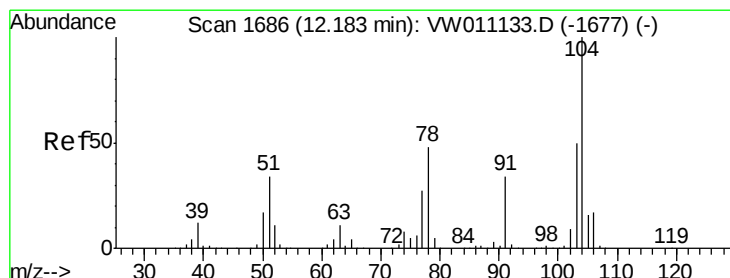
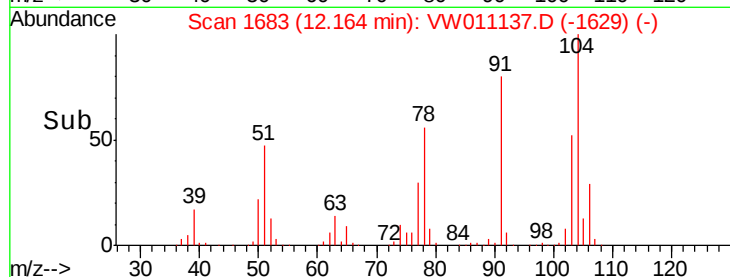
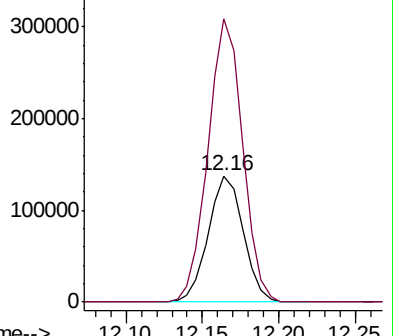
106 100

91 224.6 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.430 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW011137.D

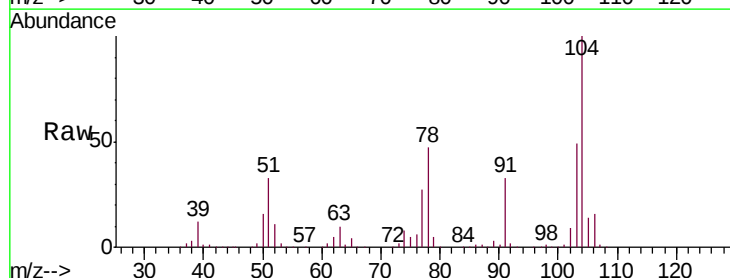
Acq: 03 Jul 2019 12:05

Tgt Ion:104 Resp: 379466

Ion Ratio Lower Upper

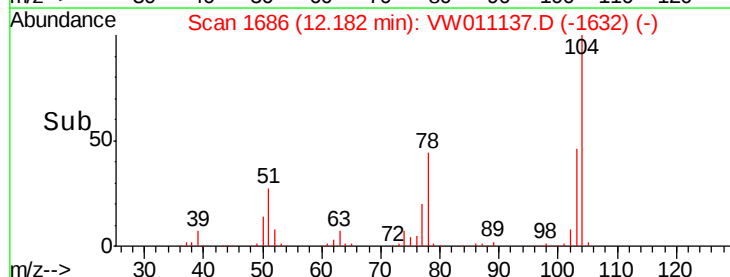
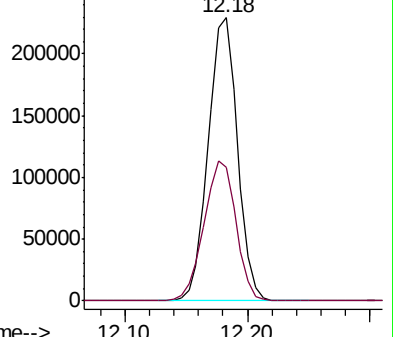
104 100

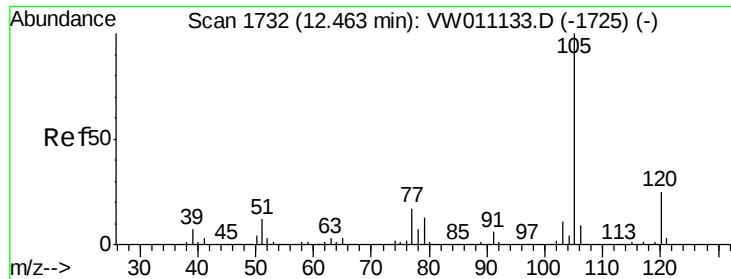
78 47.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.997 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

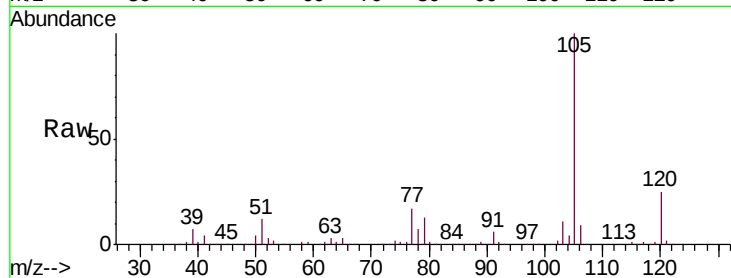
Tgt Ion: 105 Resp: 594301

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

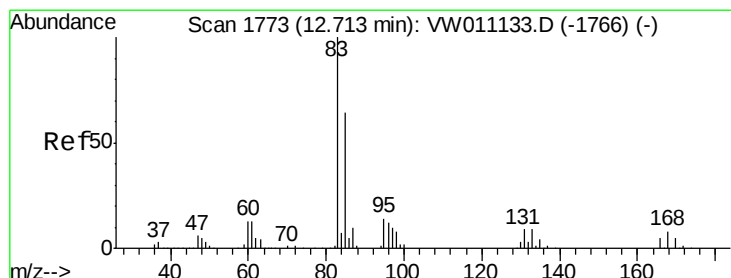
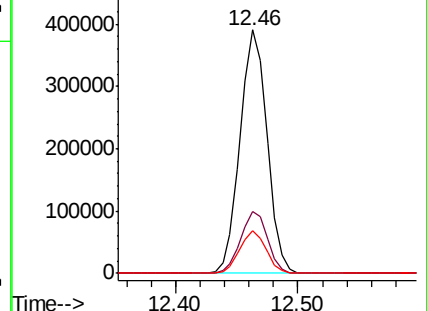
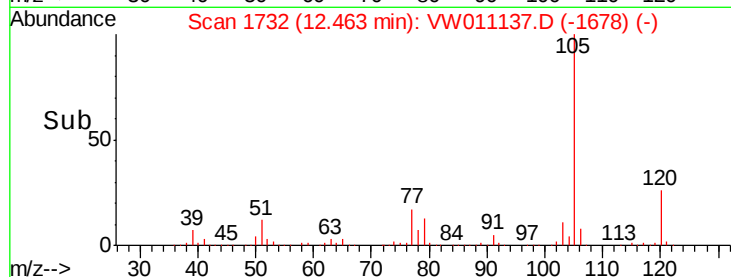
77 17.1 13.5 20.3



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: 28.011 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

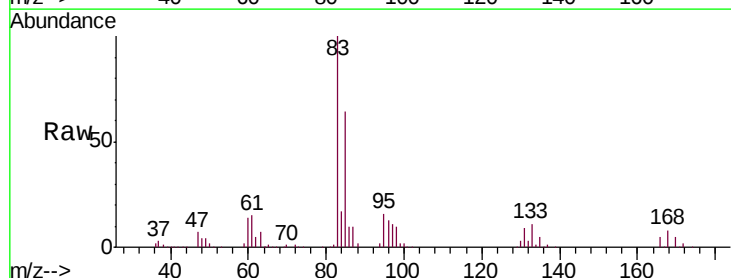
Tgt Ion: 83 Resp: 140627

Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.6

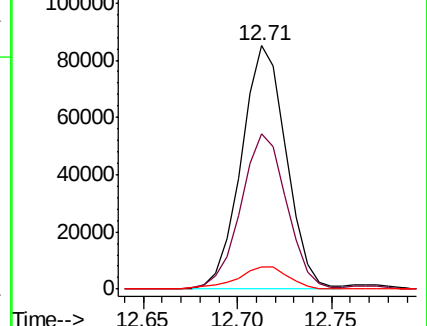
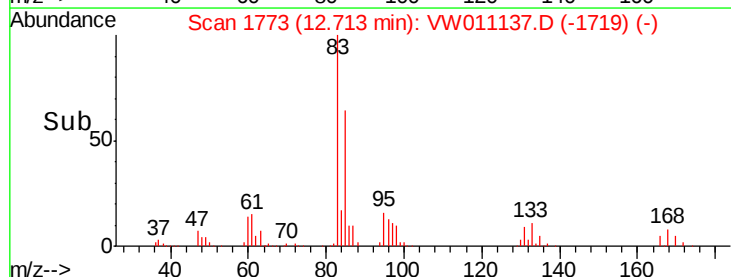
131 9.1 6.7 10.1

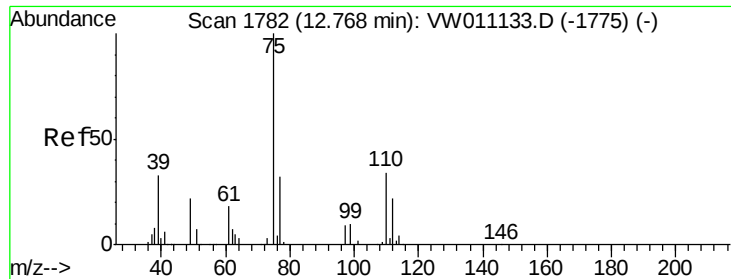


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

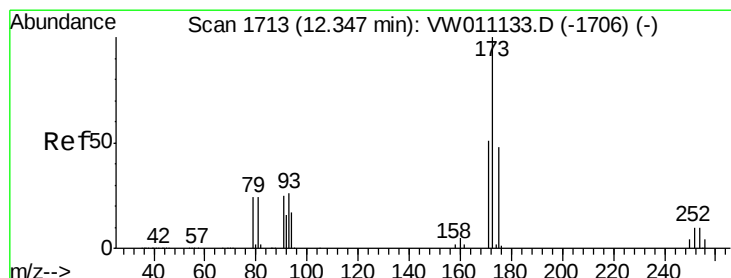
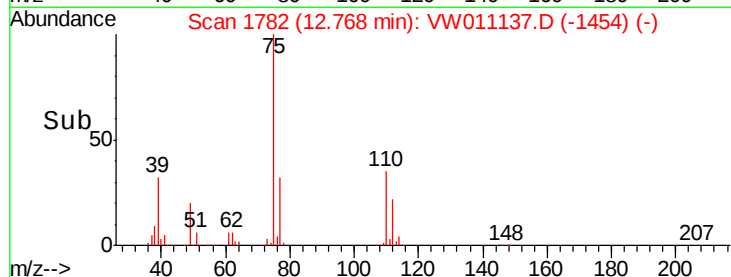
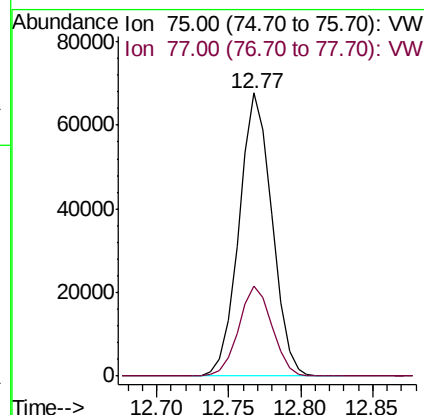
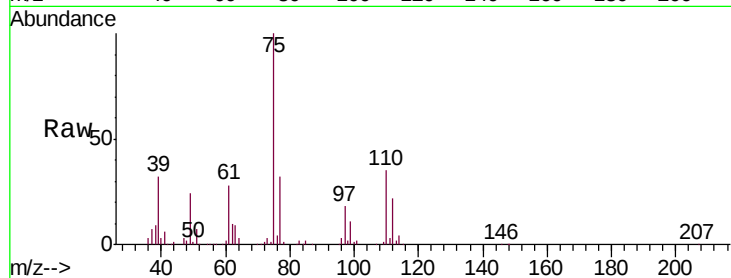




#59
 1,2,3-Trichloropropane
 Concen: 27.911 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

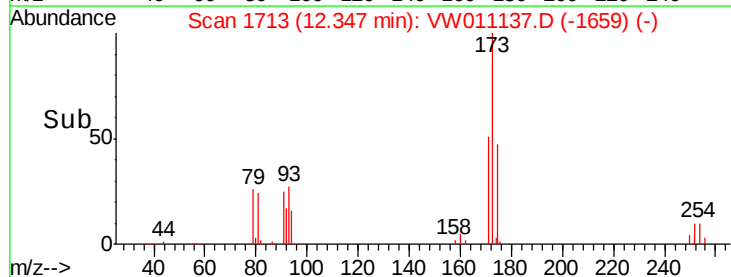
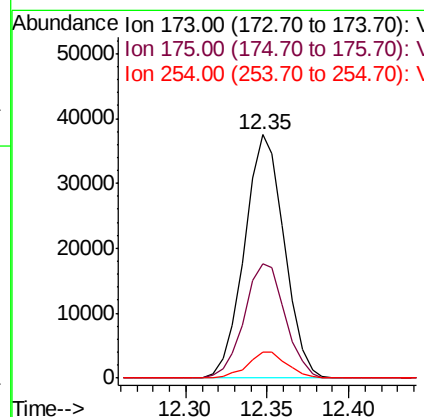
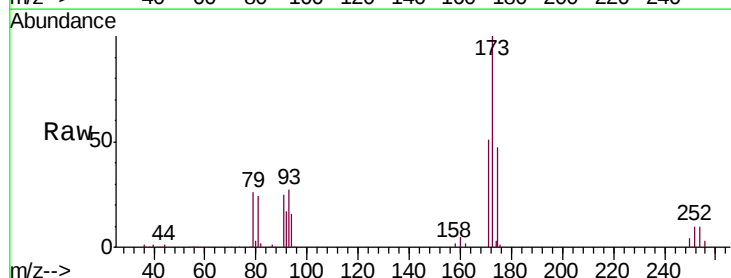
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

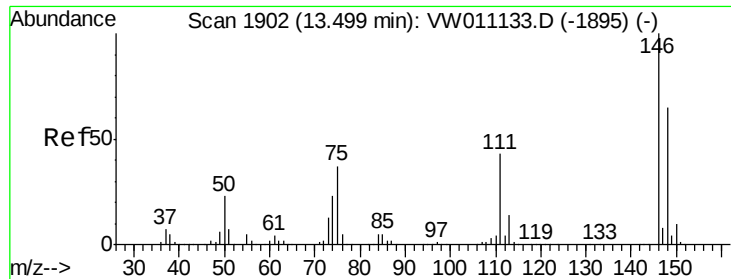
Tgt Ion: 75 Resp: 107608
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#62
 Bromoform
 Concen: 27.199 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion: 173 Resp: 63536
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.6
 254 10.7 8.5 12.7

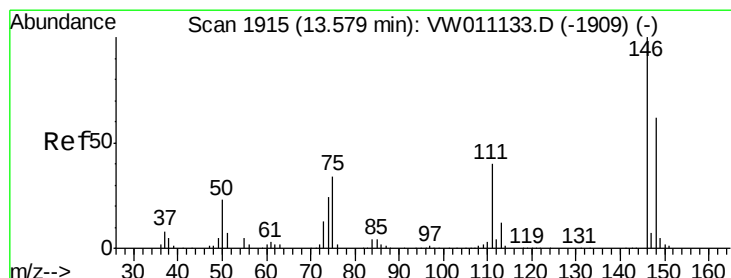
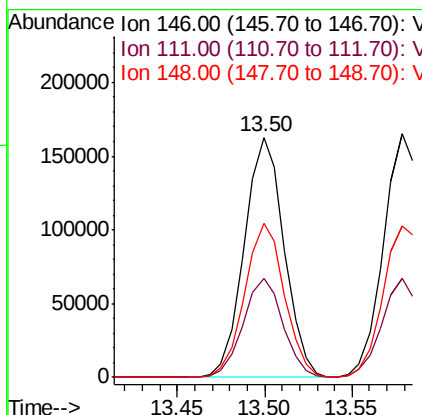
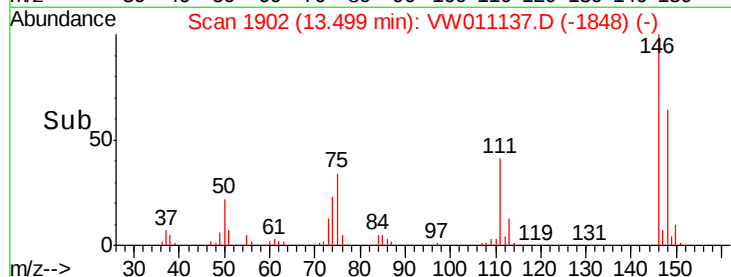
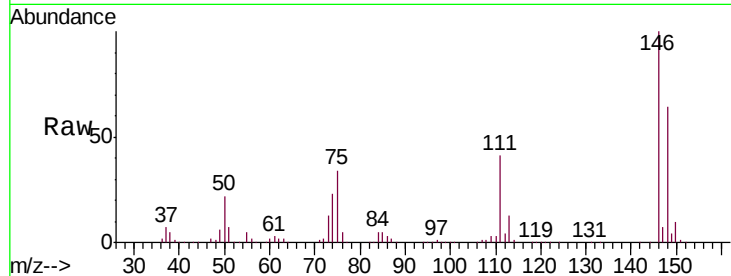




#63
 1,3-Dichlorobenzene
 Concen: 26.774 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

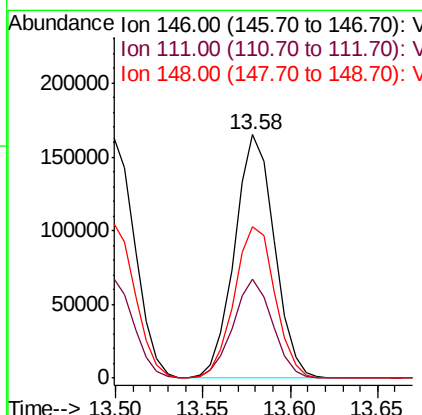
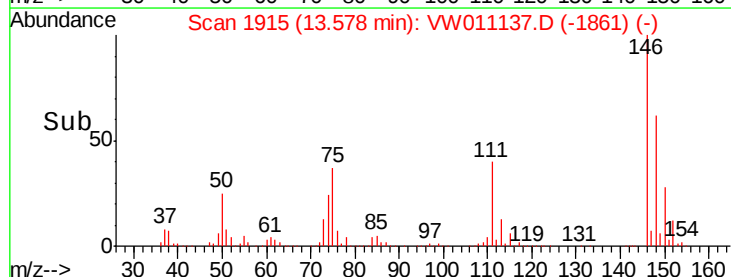
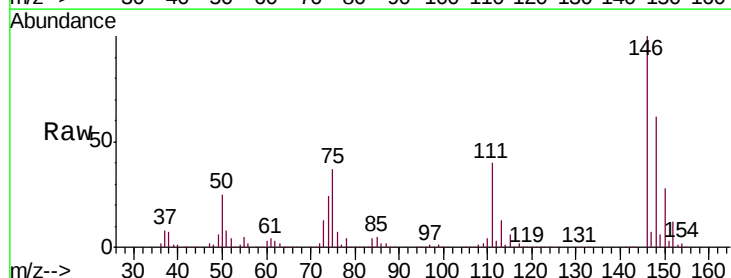
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

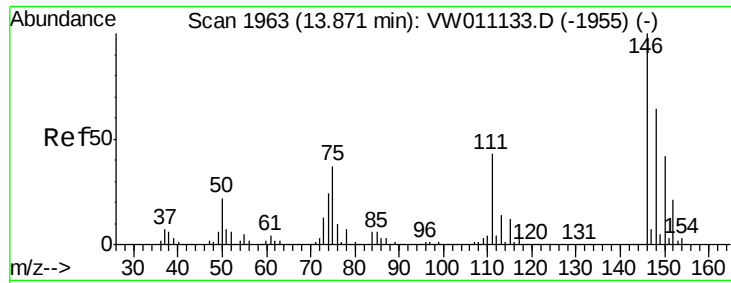
Tgt Ion:146 Resp: 258188
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.0 53.8
 148 64.0 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.464 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion:146 Resp: 261242
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.5 51.1
 148 62.3 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 27.106 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

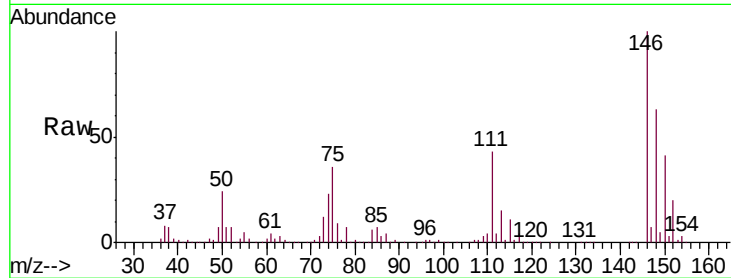
Tgt Ion:146 Resp: 243313

Ion Ratio Lower Upper

146 100

111 42.7 34.1 51.1

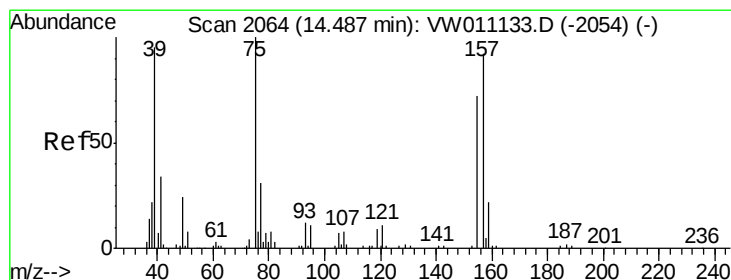
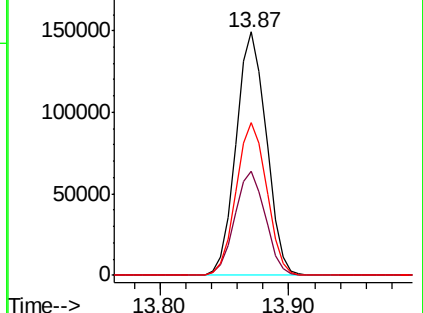
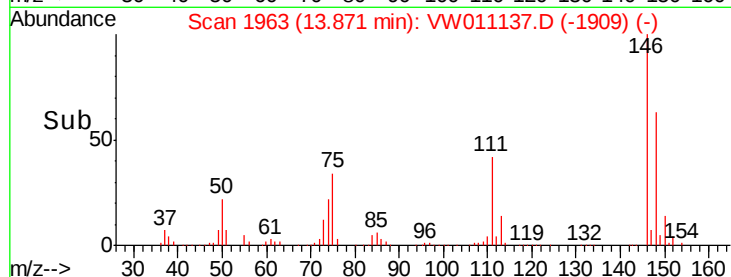
148 62.6 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.944 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

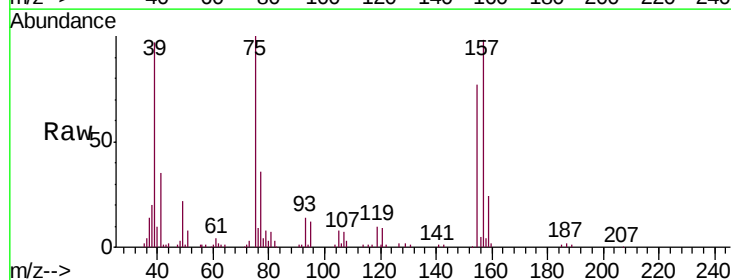
Tgt Ion: 75 Resp: 23745

Ion Ratio Lower Upper

75 100

157 98.1 75.3 112.9

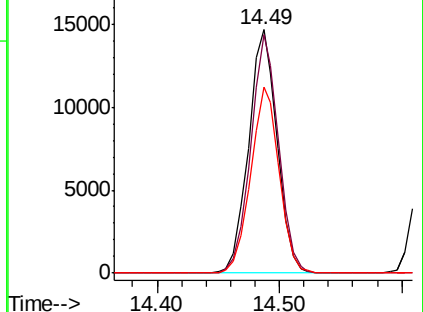
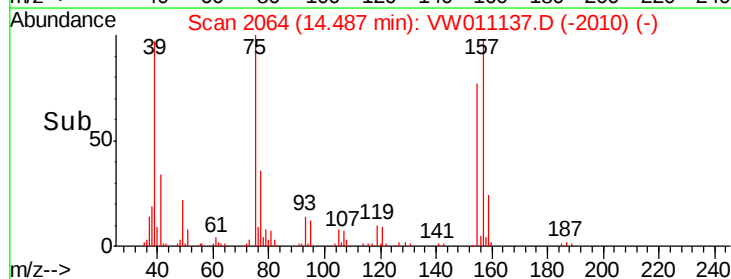
155 76.6 60.2 90.2

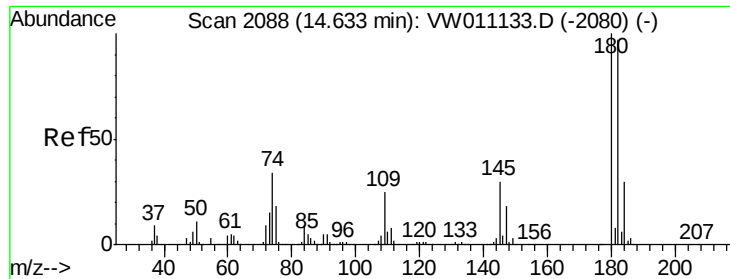


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

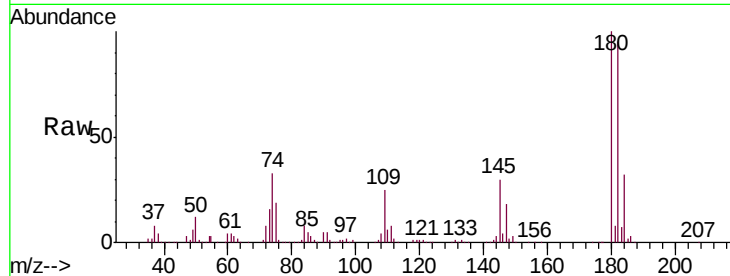




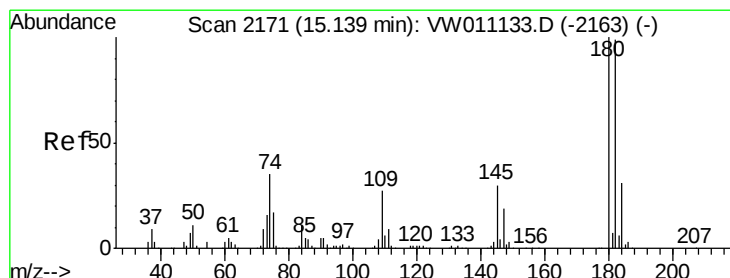
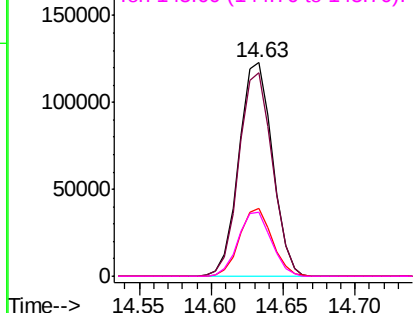
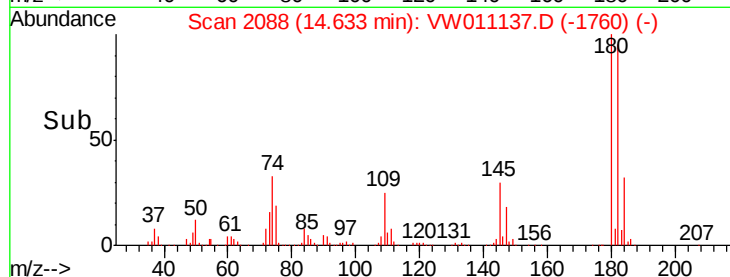
#67
 1,3,5-Trichlorobenzene
 Concen: 27.137 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tgt Ion:	180	Resp:	198274
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.4
184	30.8	24.3	36.5
145	29.7	24.2	36.2

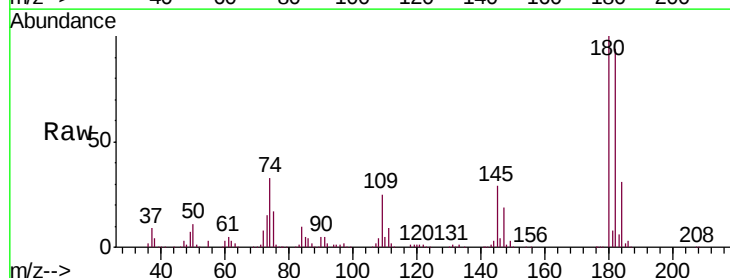


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

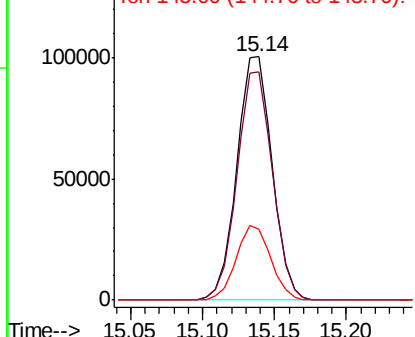
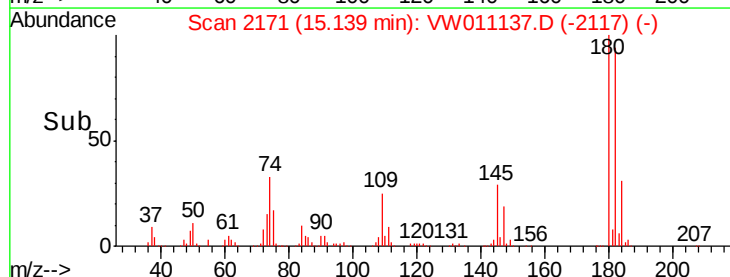


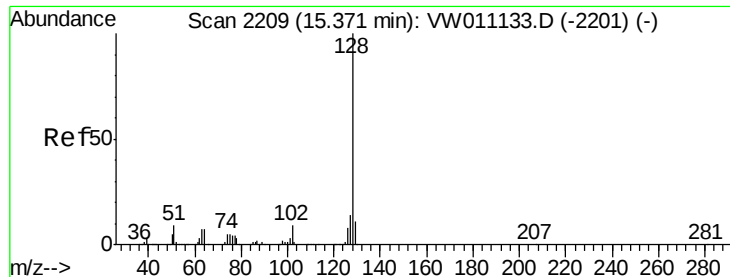
#68
 1,2,4-trichlorobenzene
 Concen: 27.891 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011137.D
 Acq: 03 Jul 2019 12:05

Tgt Ion:	180	Resp:	170723
Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.6
145	29.9	24.5	36.7



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





#69

Naphthalene

Concen: 29.637 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

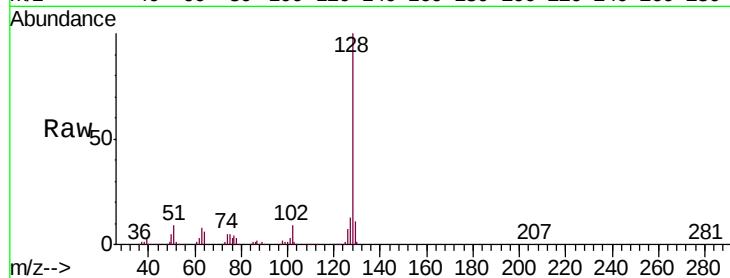
Tgt Ion:128 Resp: 379926

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

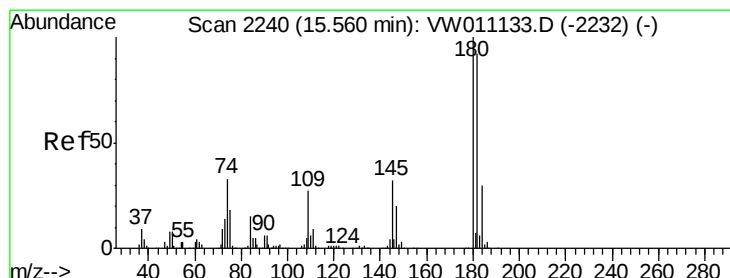
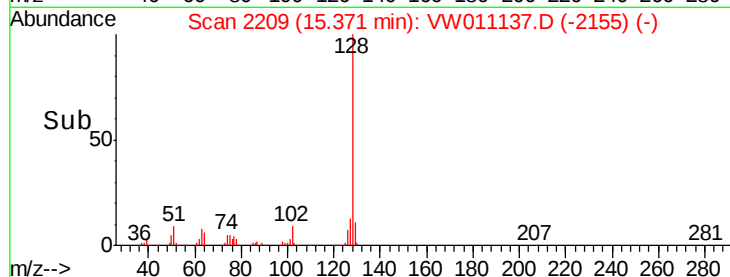
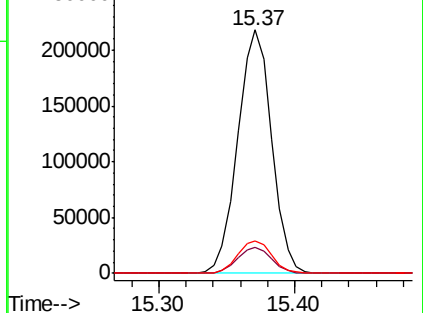
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.217 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011137.D

Acq: 03 Jul 2019 12:05

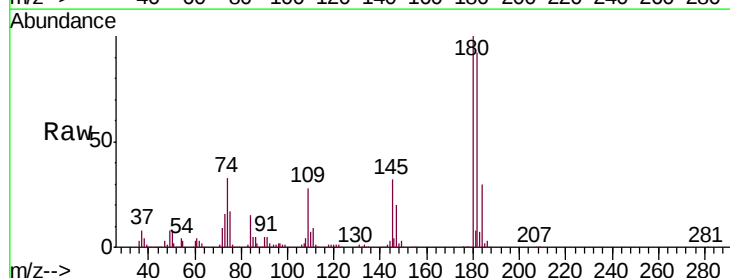
Tgt Ion:180 Resp: 158028

Ion Ratio Lower Upper

180 100

182 94.1 76.4 114.6

145 32.6 25.5 38.3



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

