

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010075.D
 Acq On : 19 Apr 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 20 03:55:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 20 03:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	713577	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	668048	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	329113	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	157973	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
7) Chloroethane-d5	2.89	69	140668	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	4.01	63	455547	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.44%
20) 2-Butanone-d5	7.07	46	174815	47.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.84%
24) Chloroform-d	7.65	84	468504	22.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.84%
26) 1,2-Dichloroethane-d4	8.30	65	285940	22.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.36%
29) Benzene-d6	8.27	84	890221	24.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.00%
33) 1,2-Dichloropropane-d6	9.27	67	280731	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	10.32	98	823144	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.32%
38) trans-1,3-Dichloropropene-	10.57	79	132567	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.64%
39) 2-Hexanone-d5	10.93	63	140400	54.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	252513	23.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	291678	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	237827	23.755	ug/L	100
3) Chloromethane	2.22	50	198152	21.715	ug/L	99
5) Vinyl chloride	2.37	62	220997	25.745	ug/L	97
6) Bromomethane	2.78	94	140280	22.128	ug/L	98
8) Chloroethane	2.92	64	137942	22.384	ug/L	97
9) Trichlorofluoromethane	3.24	101	109075	15.434	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	212113	23.052	ug/L	95
12) 1,1-Dichloroethene	4.03	96	226031	26.237	ug/L	93
13) Acetone	4.12	43	122336	37.714	ug/L	99
14) Carbon disulfide	4.38	76	624131	25.557	ug/L	99
15) Methyl Acetate	4.67	43	153336	23.421	ug/L	98
16) Methylene chloride	4.92	84	302518	23.414	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	332817	26.397	ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	236869	24.295	ug/L	99
19) 1,1-Dichloroethane	6.21	63	473700	24.374	ug/L	99
21) 2-Butanone	7.17	43	214825	50.576	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	269063	25.429	ug/L	97

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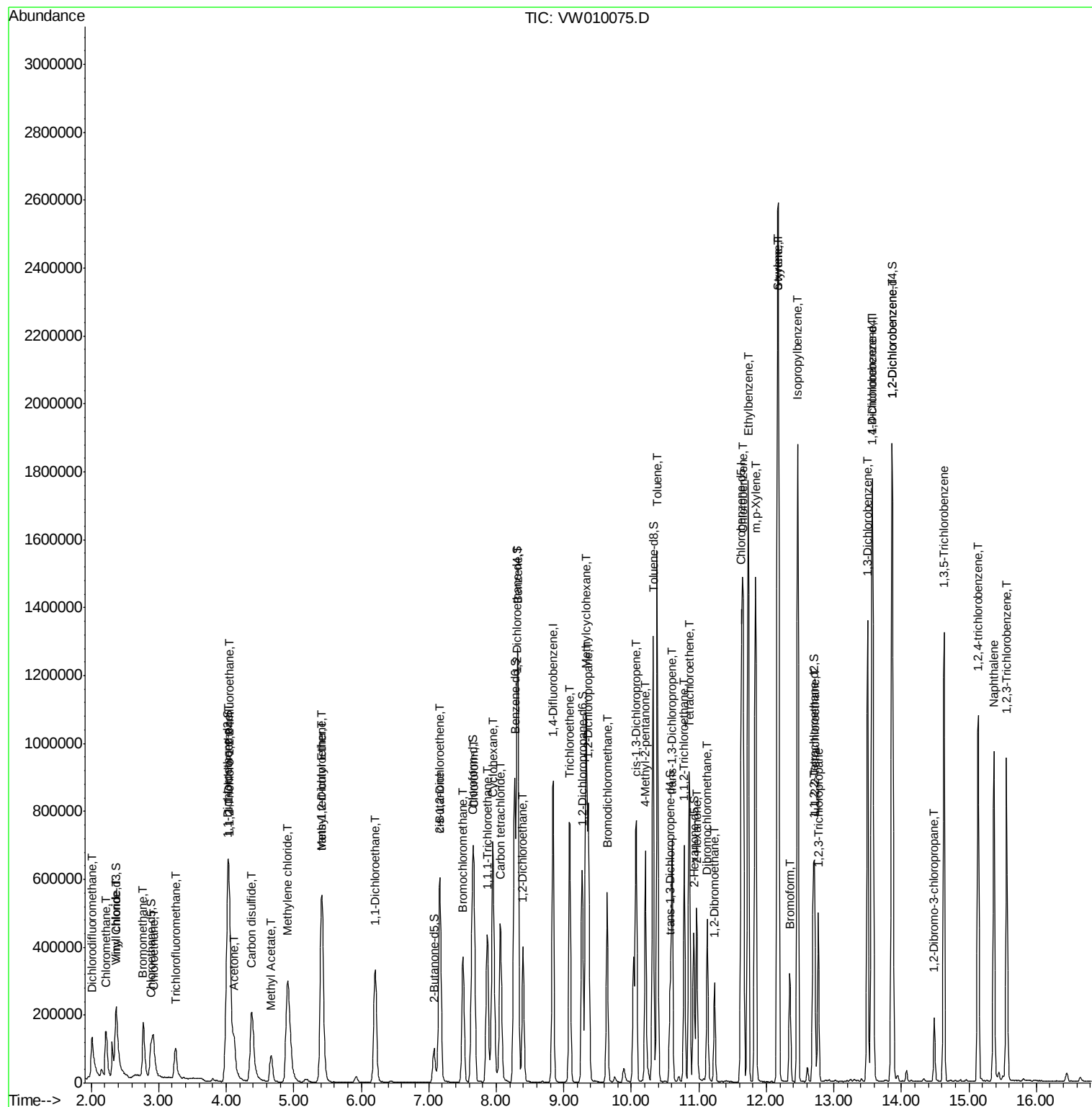
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	120885	24.532	ug/L	98
25) Chloroform	7.67	83	479788	24.127	ug/L	99
27) 1,2-Dichloroethane	8.40	62	367822	24.025	ug/L	98
30) Cyclohexane	7.95	56	415988	27.552	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	350416	25.116	ug/L	99
32) Carbon tetrachloride	8.06	117	340925	24.889	ug/L	100
34) Benzene	8.32	78	1027175	26.101	ug/L	100
35) Trichloroethene	9.09	95	262889	25.692	ug/L	99
36) Methylcyclohexane	9.34	83	435064	26.464	ug/L	97
40) 1,2-Dichloropropane	9.37	63	271153	26.052	ug/L	100
41) Bromodichloromethane	9.64	83	355034	24.986	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	426191	26.561	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	458782	53.521	ug/L	98
44) Toluene	10.38	91	1100590	26.361	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	363343	25.645	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	199780	24.612	ug/L	98
47) Tetrachloroethene	10.86	164	196943	24.640	ug/L	97
49) 2-Hexanone	10.97	43	329466	54.102	ug/L	97
50) Dibromochloromethane	11.13	129	238346	24.738	ug/L	96
51) 1,2-Dibromoethane	11.24	107	199695	25.133	ug/L	99
52) Chlorobenzene	11.66	112	684533	25.127	ug/L	99
53) Ethylbenzene	11.73	91	1205554	25.834	ug/L	98
54) m,p-Xylene	11.84	106	456843	26.765	ug/L	97
55) o-xylene	12.16	106	441143	26.947	ug/L	94
56) Styrene	12.18	104	778207	27.154	ug/L	99
57) Isopropylbenzene	12.46	105	1181283	27.091	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	263588	24.685	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	202383	25.326	ug/L	100
62) Bromoform	12.35	173	139215	24.087	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	521546	26.228	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	528644	24.740	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	497168	25.482	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	48128	24.376	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	382159	26.238	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	321810	26.971	ug/L	99
69) Naphthalene	15.37	128	802447	31.335	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	305654	26.848	ug/L	100

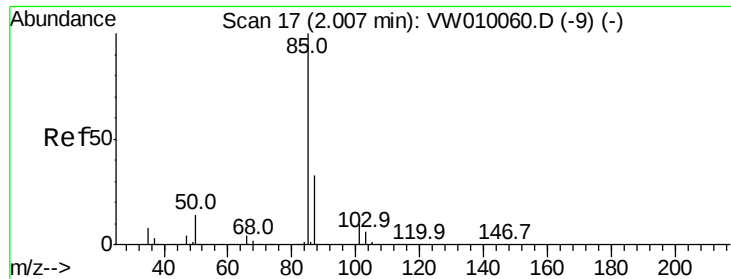
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.755 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

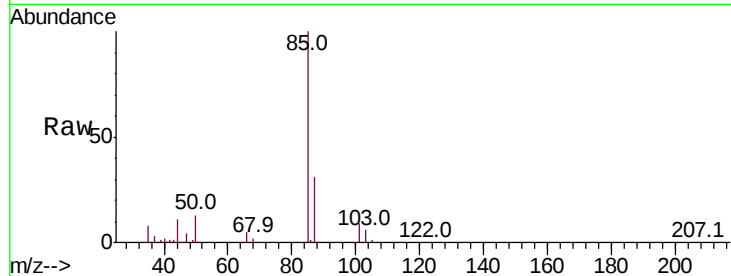
ClientSampleId :

Tot Ion: 85 Resp: 237827

Ion Ratio Lower Upper

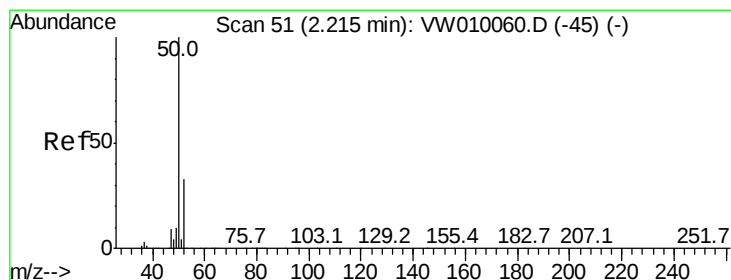
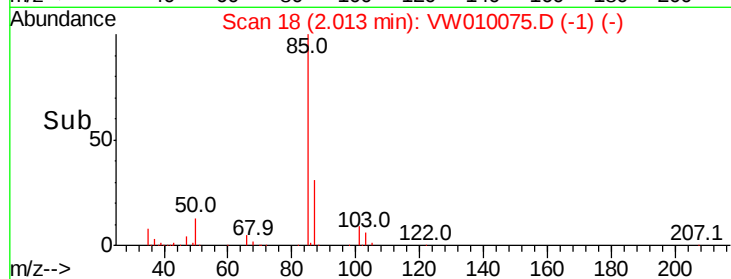
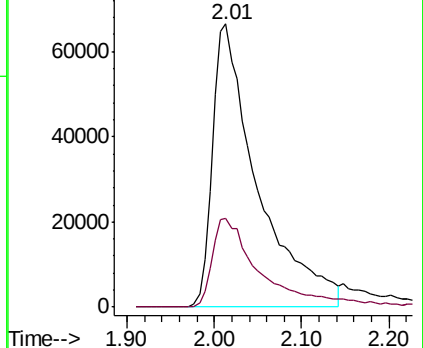
85 100

87 32.1 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.715 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010075.D

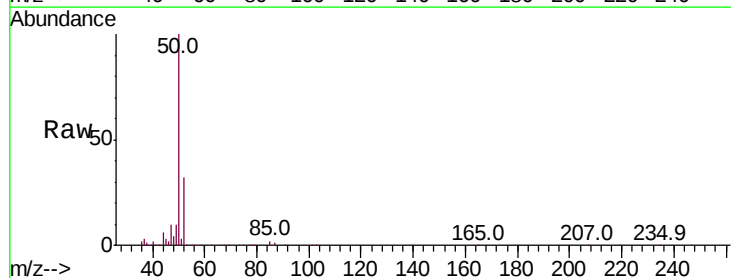
Acq: 19 Apr 2019 21:00

Tgt Ion: 50 Resp: 198152

Ion Ratio Lower Upper

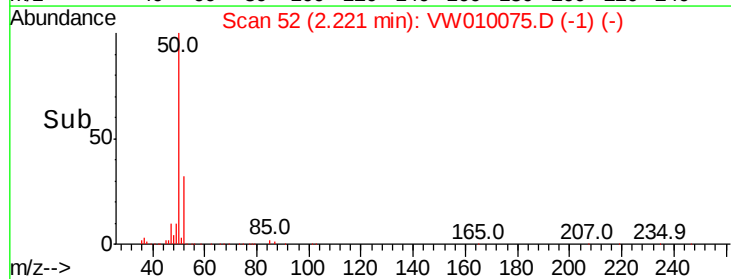
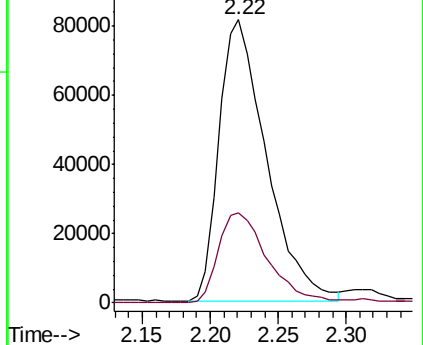
50 100

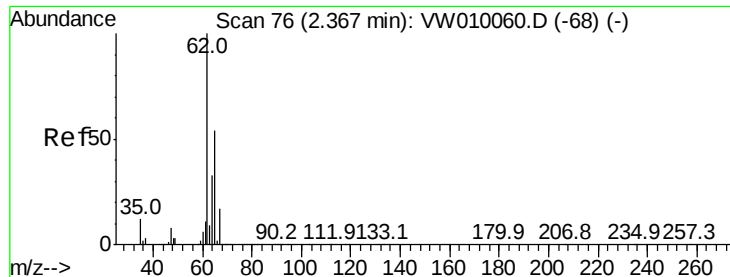
52 31.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.745 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

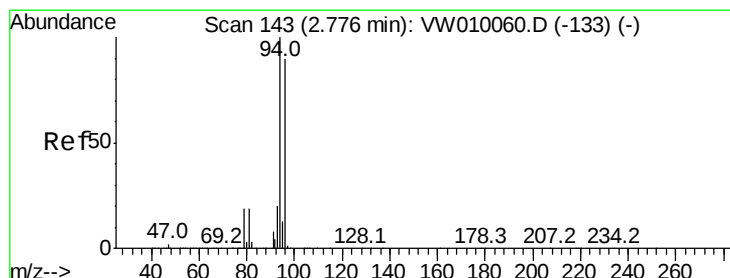
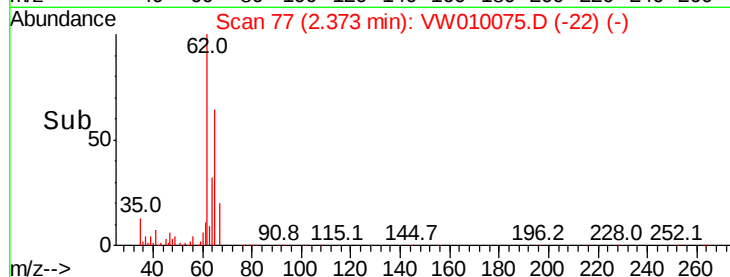
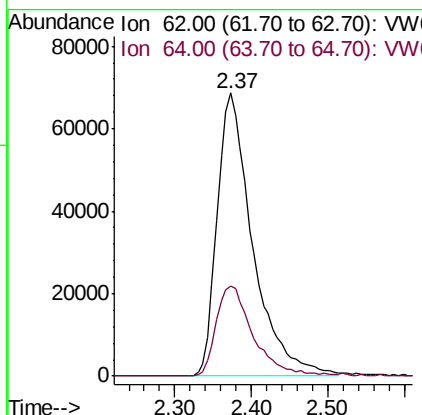
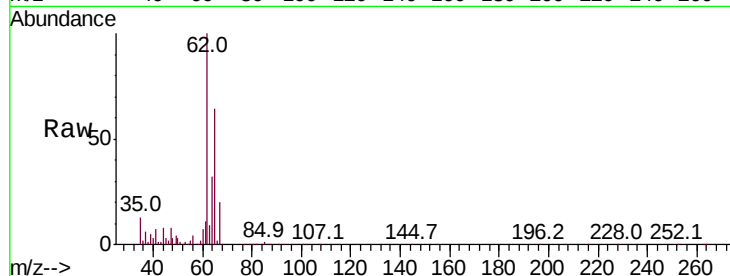
ClientSampleId :

Tot Ion: 62 Resp: 220997

Ion Ratio Lower Upper

62 100

64 31.8 23.3 43.3



#6

Bromomethane

Concen: 22.128 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010075.D

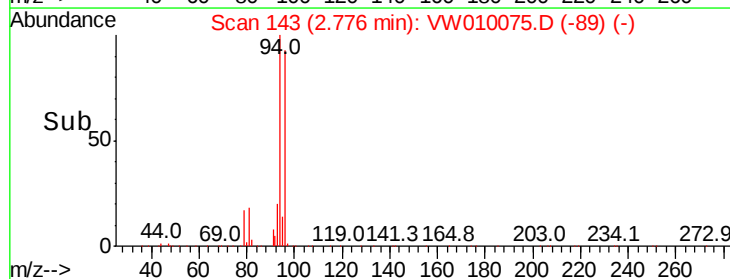
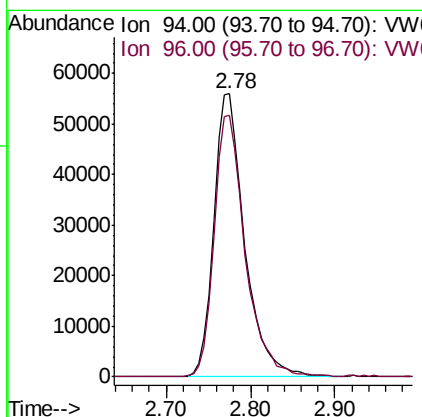
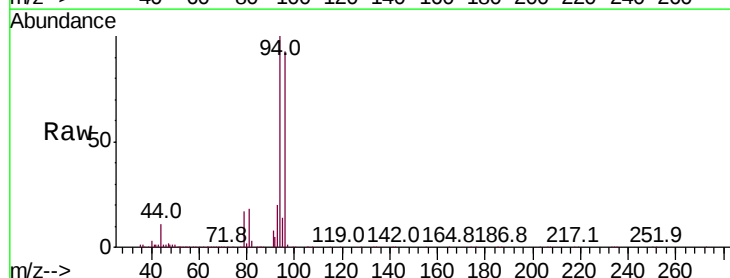
Acq: 19 Apr 2019 21:00

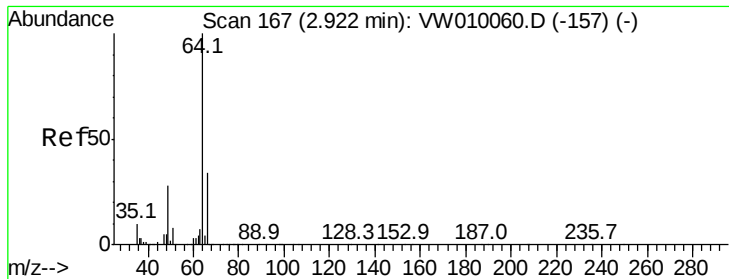
Tgt Ion: 94 Resp: 140280

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.3





#8

Chloroethane

Concen: 22.384 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

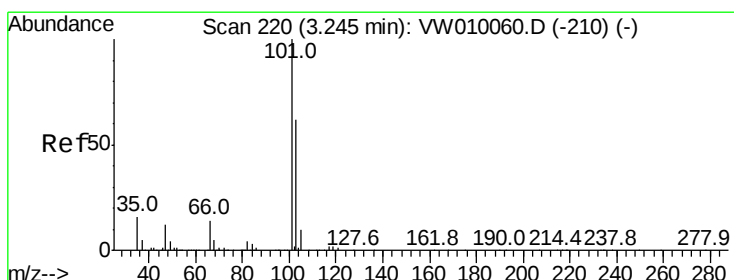
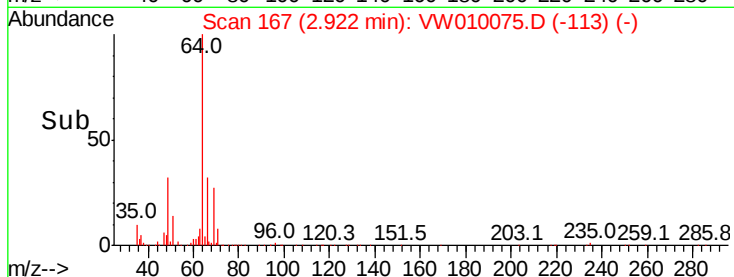
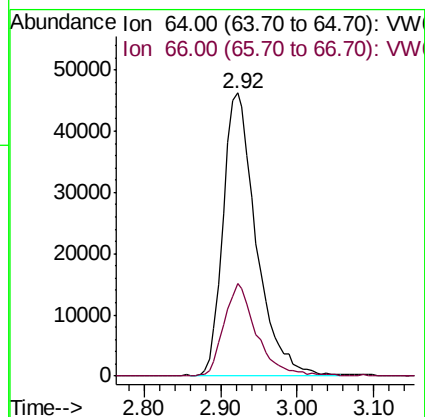
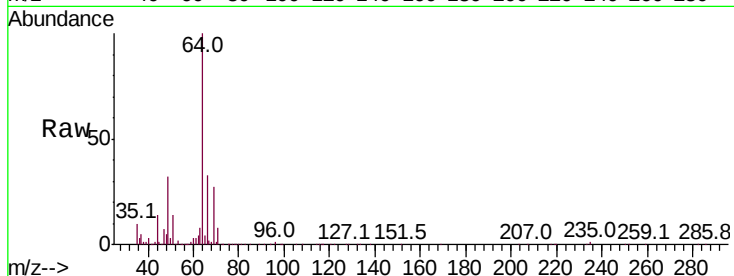
ClientSampleId :

Tot Ion: 64 Resp: 137942

Ion Ratio Lower Upper

64 100

66 32.6 21.7 40.3



#9

Trichlorofluoromethane

Concen: 15.434 ug/L

RT: 3.24 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW010075.D

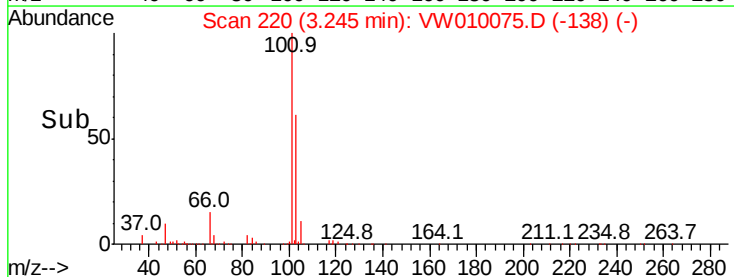
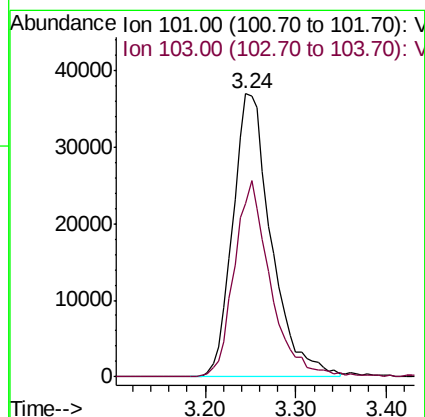
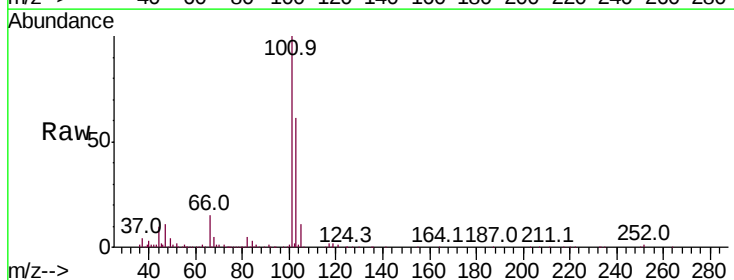
Acq: 19 Apr 2019 21:00

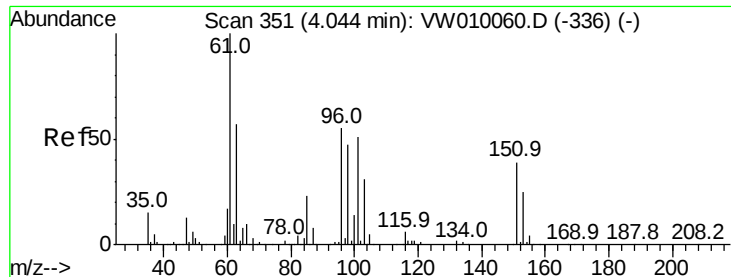
Tgt Ion: 101 Resp: 109075

Ion Ratio Lower Upper

101 100

103 64.5 44.5 82.7





#11

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

Concen: 23.052 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

ClientSampled :

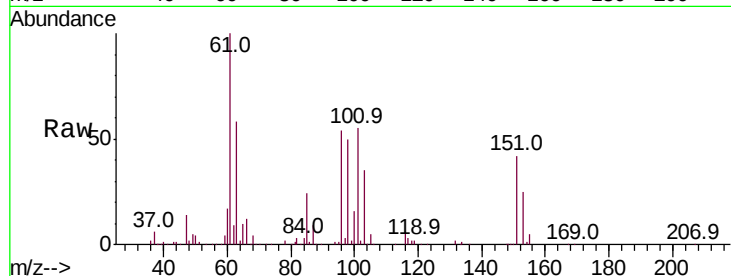
Tot Ion:101 Resp: 212113

Ion Ratio Lower Upper

101 100

85 43.2 37.0 55.4

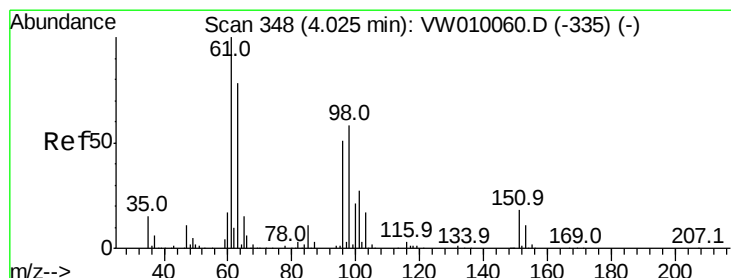
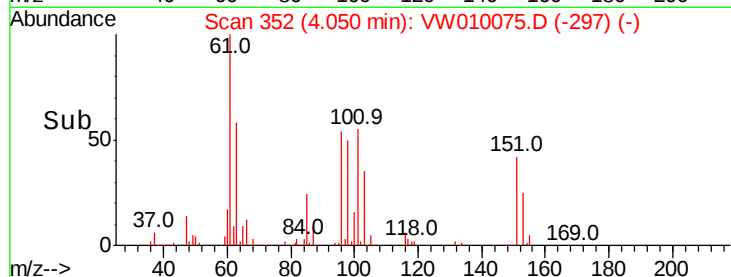
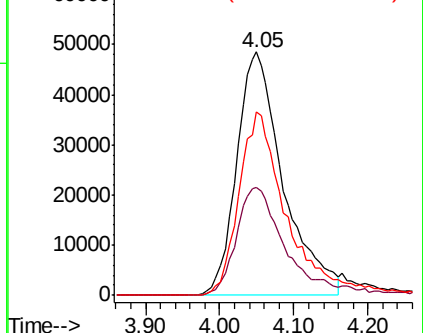
151 76.9 58.2 87.2



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: 26.237 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.01 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

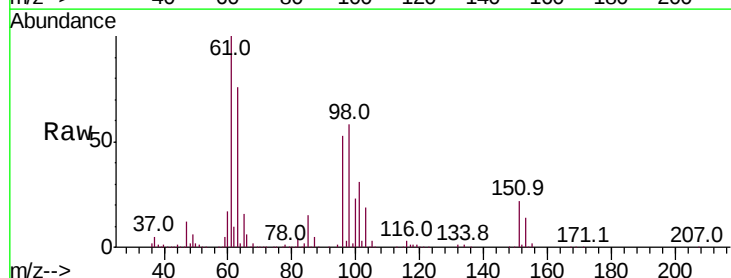
Tgt Ion: 96 Resp: 226031

Ion Ratio Lower Upper

96 100

61 189.3 131.2 243.6

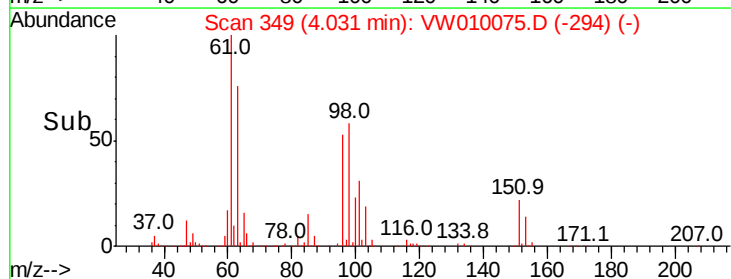
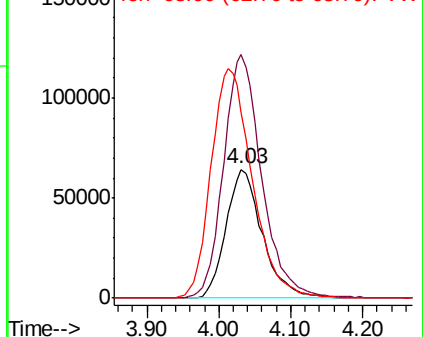
63 144.2 113.9 211.5

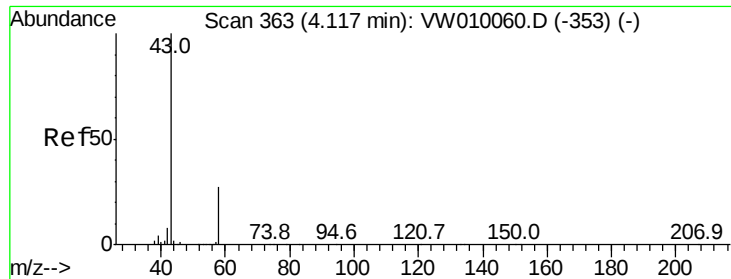


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

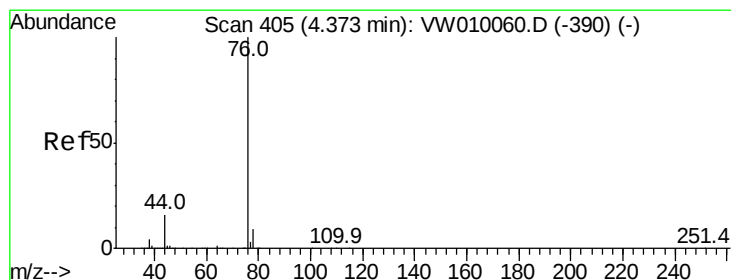
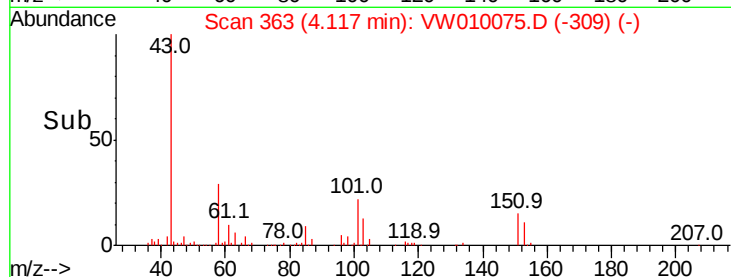
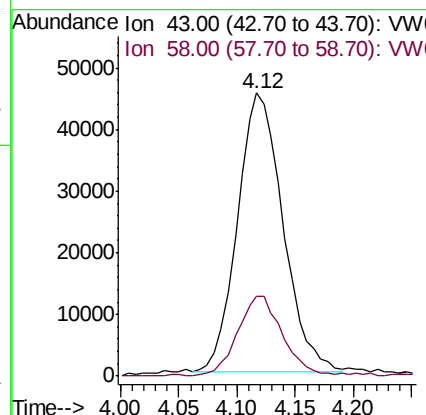
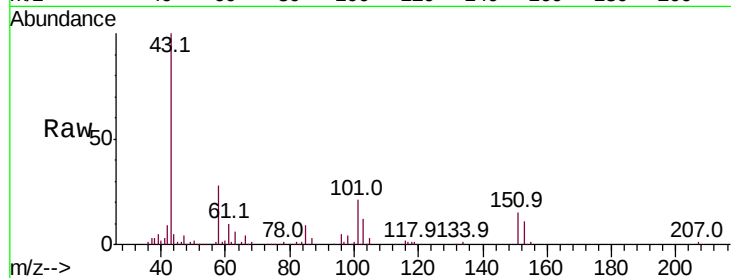




#13
Acetone
Concen: 37.714 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

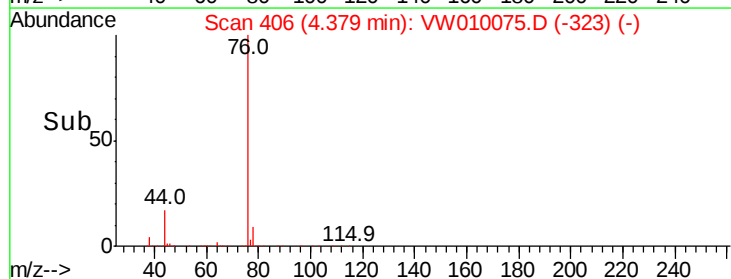
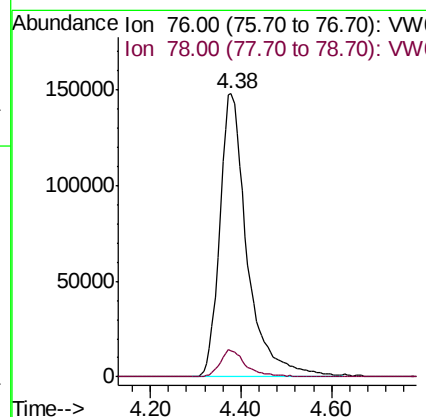
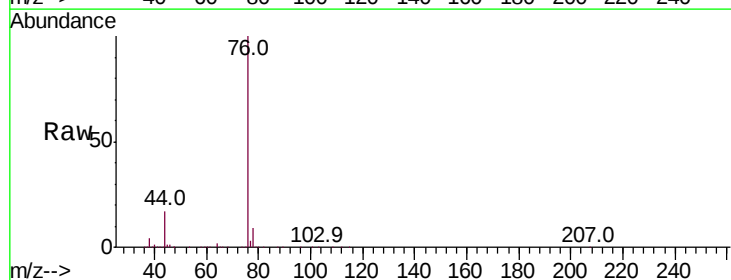
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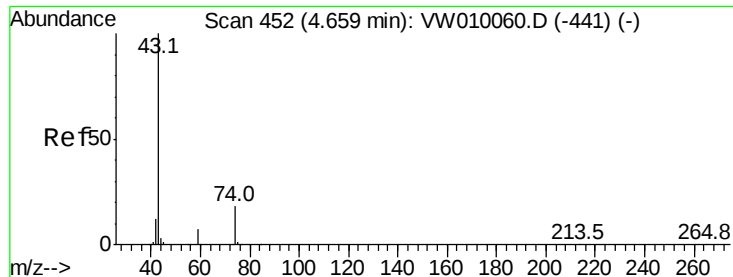
Tot Ion: 43 Resp: 122336
Ion Ratio Lower Upper
43 100
58 28.5 0.0 56.2



#14
Carbon disulfide
Concen: 25.557 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion: 76 Resp: 624131
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

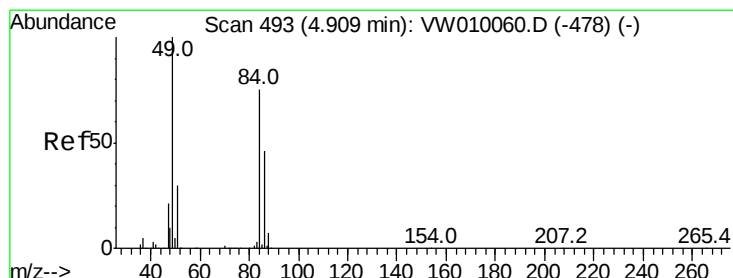
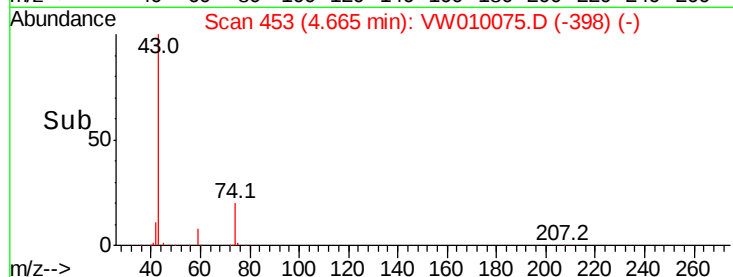
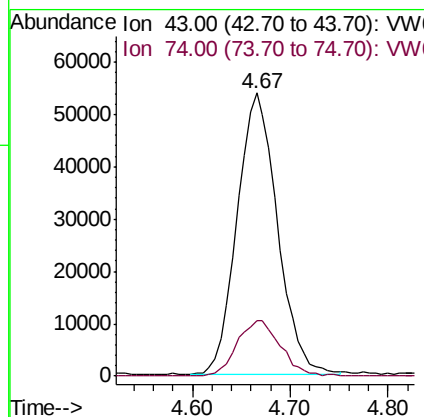
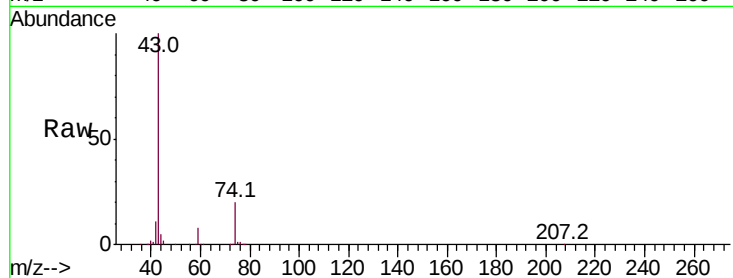




#15
Methyl Acetate
Concen: 23.421 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

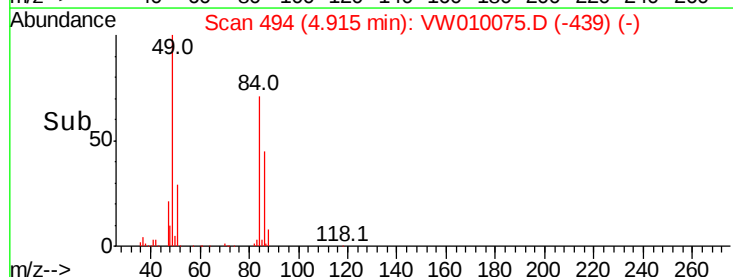
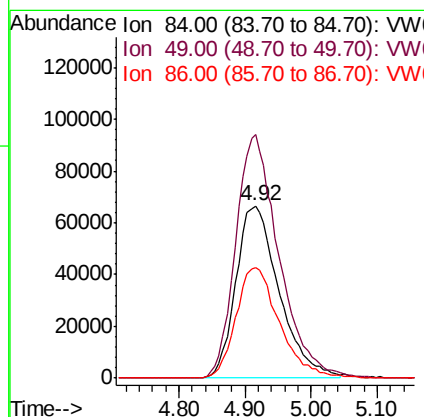
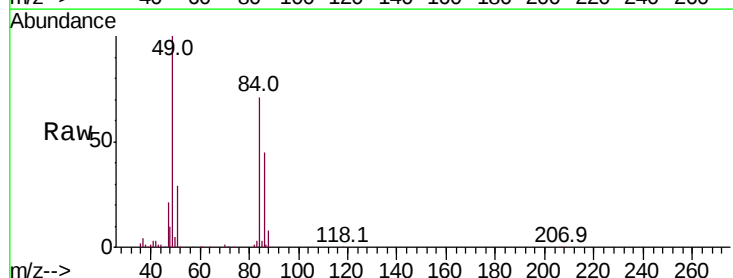
Instrument :
MSVOA_W
ClientSampled :

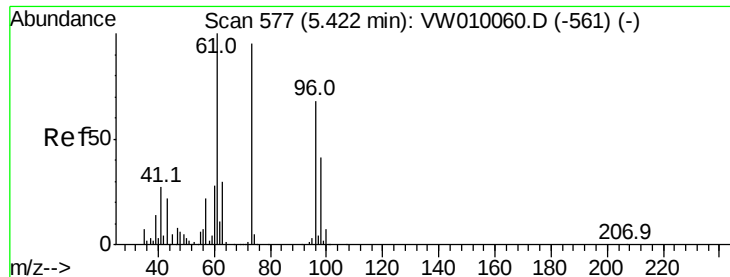
Tot Ion: 43 Resp: 153336
Ion Ratio Lower Upper
43 100
74 21.3 16.2 24.4



#16
Methylene chloride
Concen: 23.414 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion: 84 Resp: 302518
Ion Ratio Lower Upper
84 100
49 141.3 100.7 187.1
86 63.9 43.8 81.3

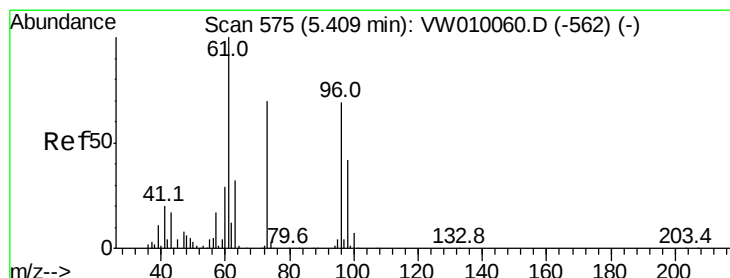
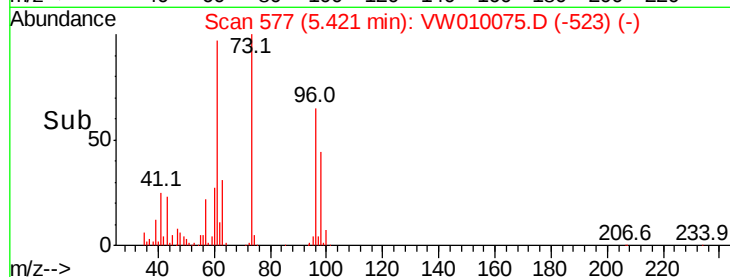
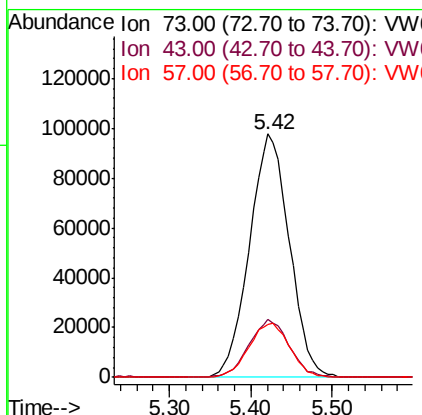
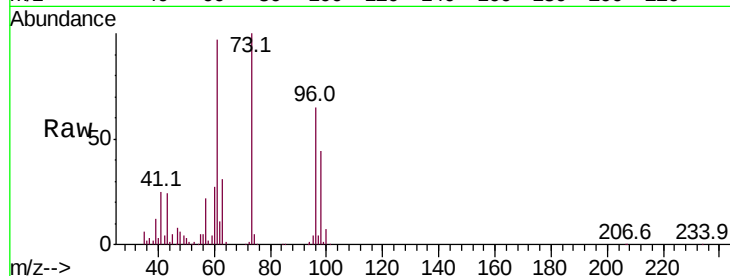




#17
Methvl tert-butvl Ether
Concen: 26.397 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

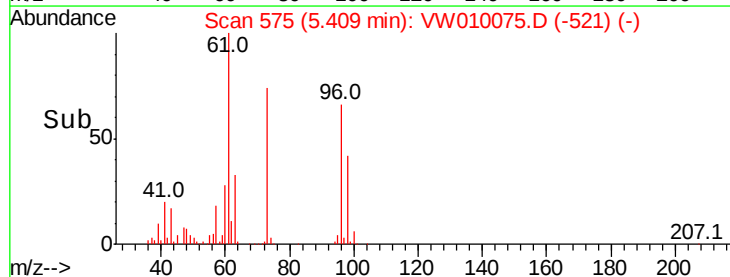
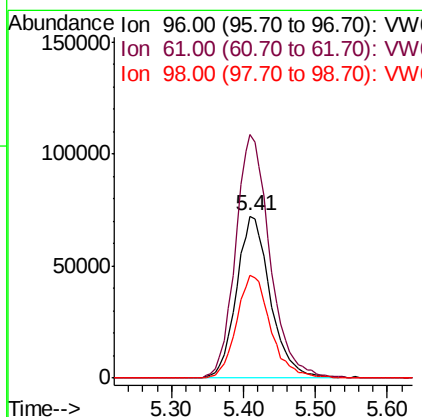
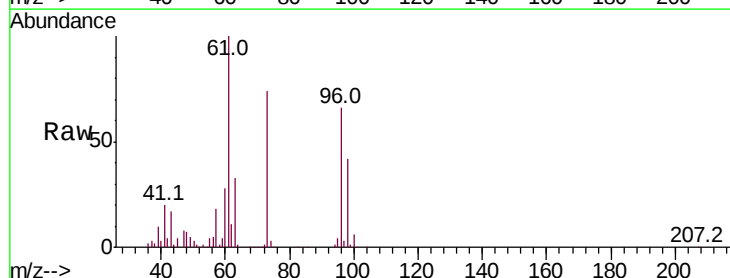
Instrument :
MSVOA_W
ClientSampleId :

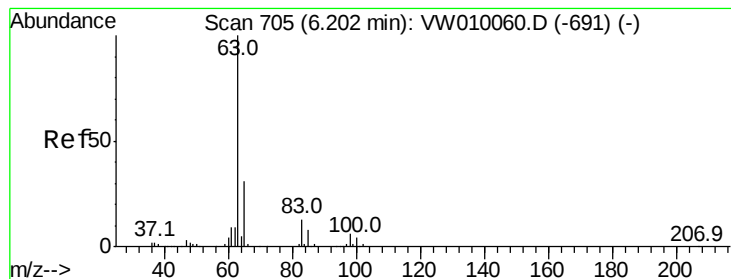
Tot Ion: 73 Resp: 332817
Ion Ratio Lower Upper
73 100
43 23.4 19.4 29.0
57 22.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 24.295 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion: 96 Resp: 236869
Ion Ratio Lower Upper
96 100
61 150.4 104.9 194.9
98 63.8 44.1 81.9





#19

1,1-Dichloroethane

Concen: 24.374 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.01 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

ClientSampled :

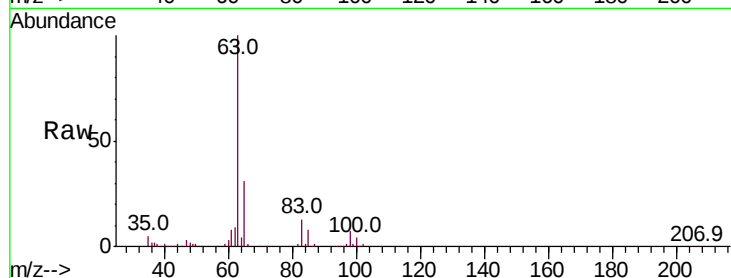
Tot Ion: 63 Resp: 473700

Ion Ratio Lower Upper

63 100

65 31.4 21.6 40.0

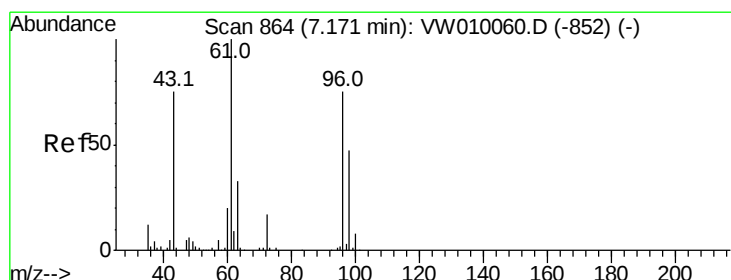
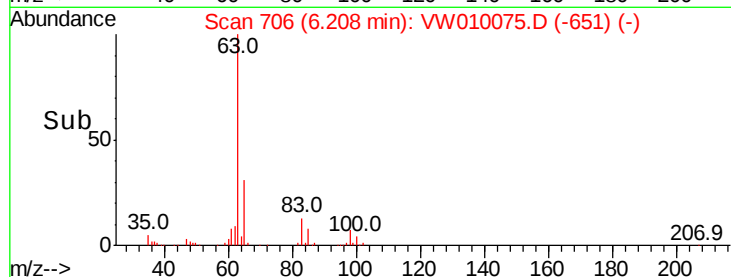
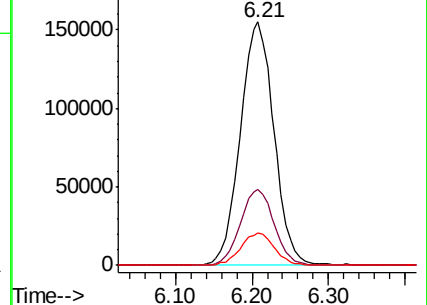
83 13.1 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 50.576 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010075.D

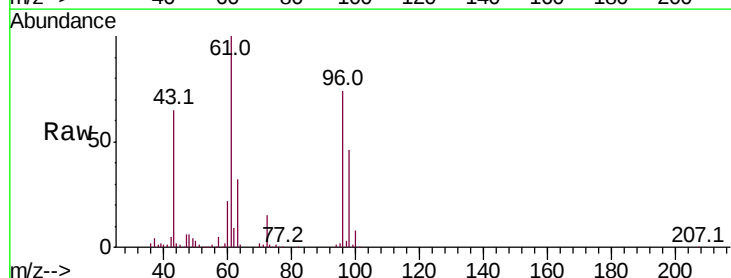
Acq: 19 Apr 2019 21:00

Tgt Ion: 43 Resp: 214825

Ion Ratio Lower Upper

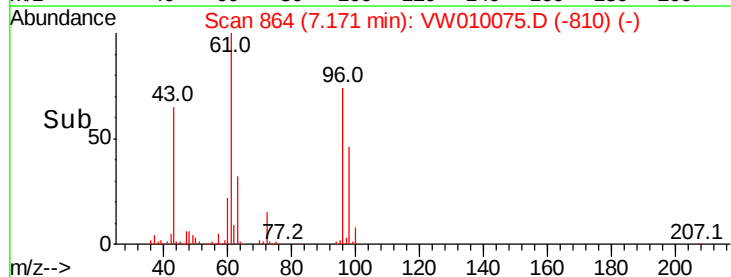
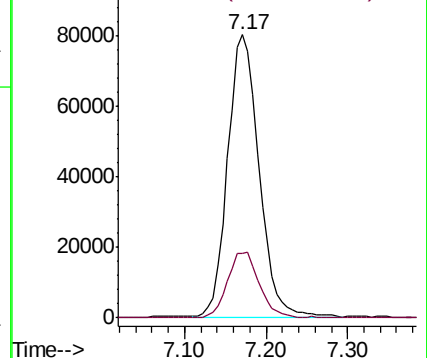
43 100

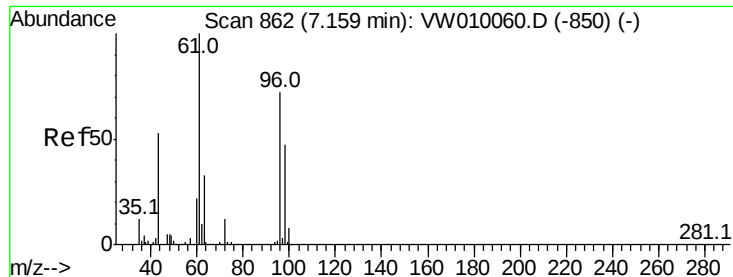
72 23.3 11.9 35.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



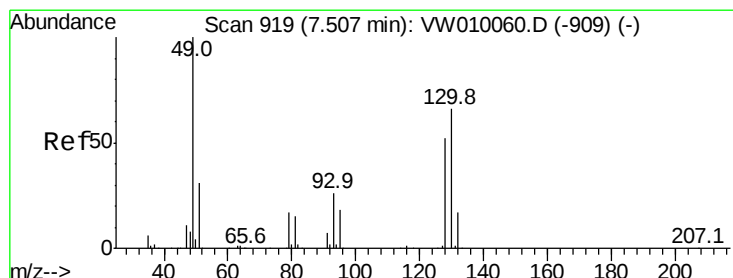
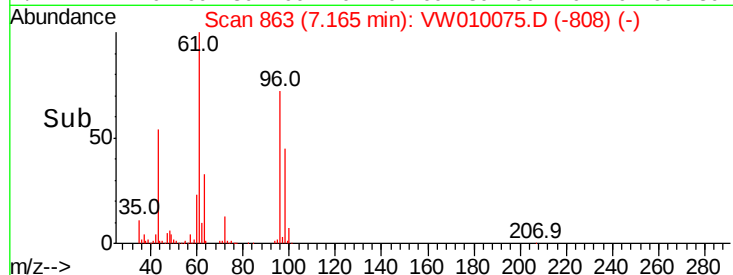
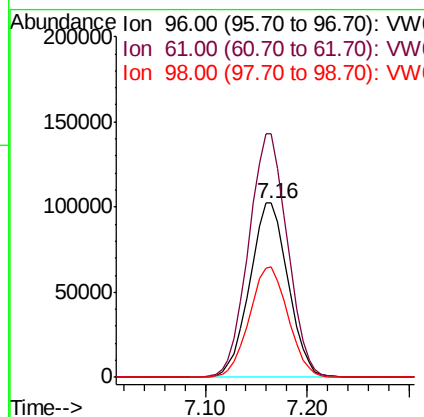
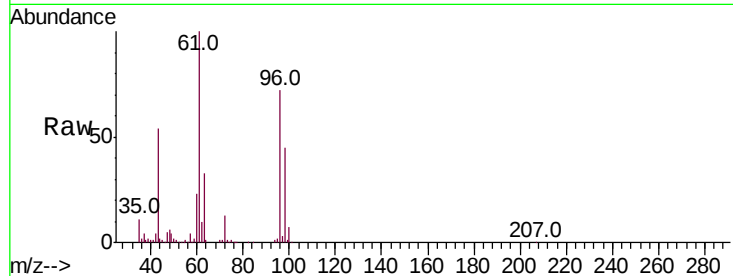


#22

cis-1,2-Dichloroethene
Concen: 25.429 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Instrument :
MSVOA_W
ClientSampleId :

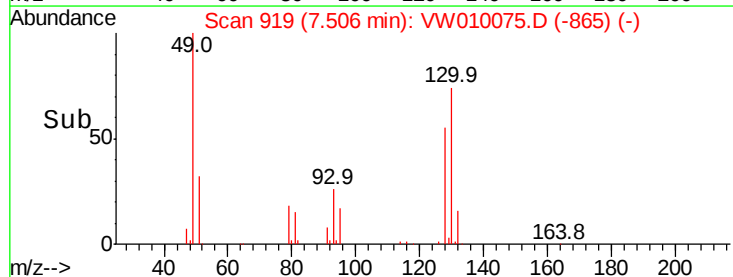
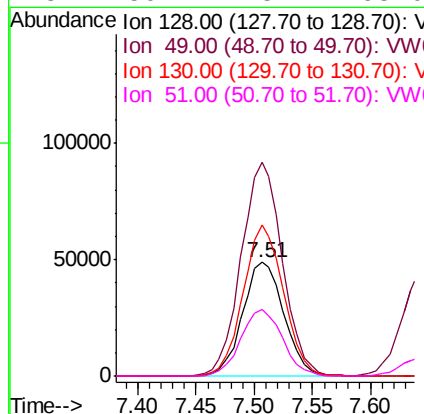
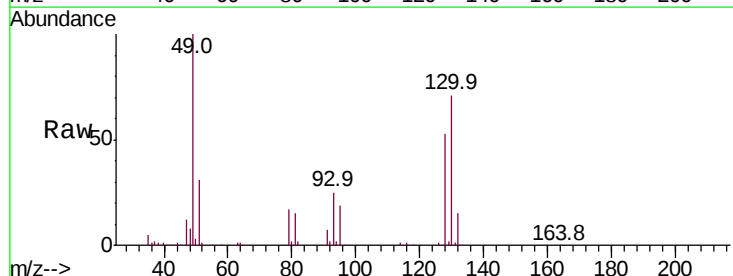
Tot Ion: 96 Resp: 269063
Ion Ratio Lower Upper
96 100
61 139.7 94.7 175.9
98 63.1 42.8 79.6

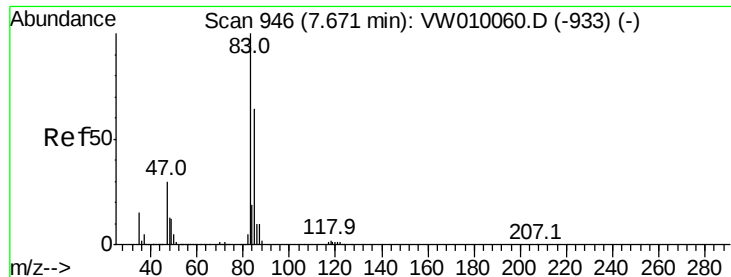


#23

Bromochloromethane
Concen: 24.532 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion: 128 Resp: 120885
Ion Ratio Lower Upper
128 100
49 188.2 132.2 245.4
130 133.5 91.5 169.9
51 59.2 45.4 68.0





#25

Chloroform

Concen: 24.127 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

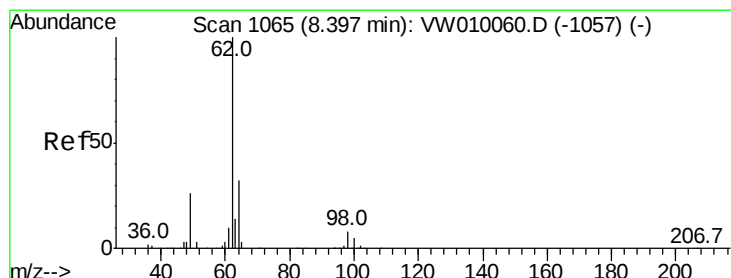
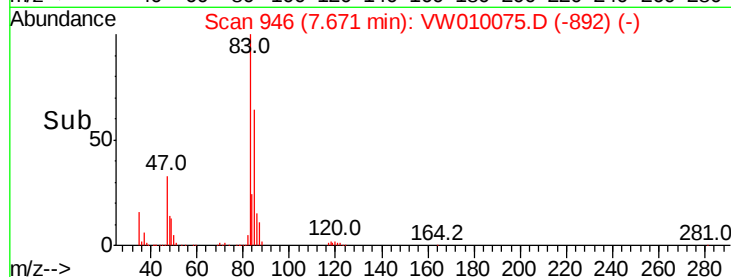
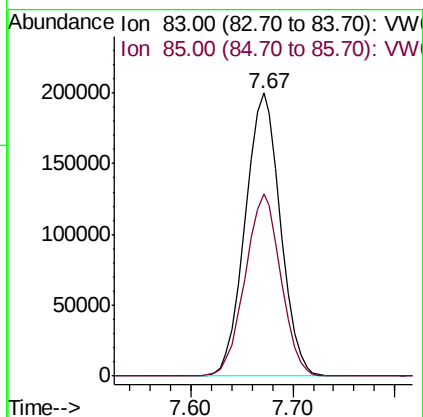
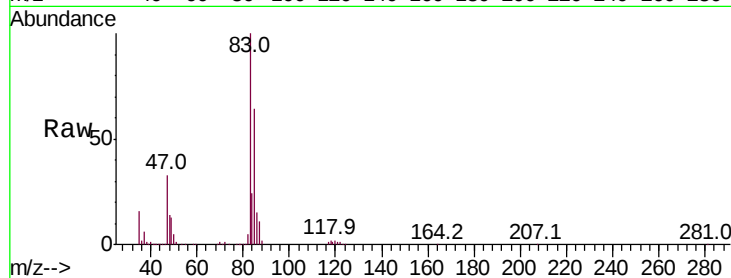
ClientSampleId :

Tot Ion: 83 Resp: 479788

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 24.025 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010075.D

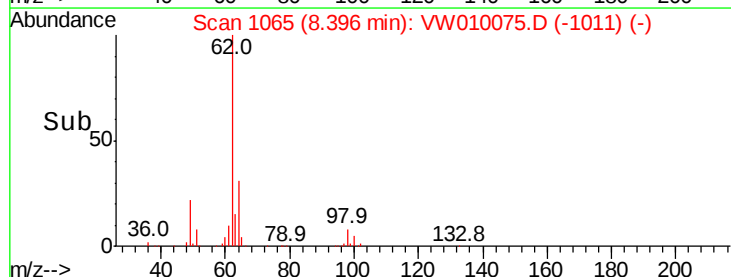
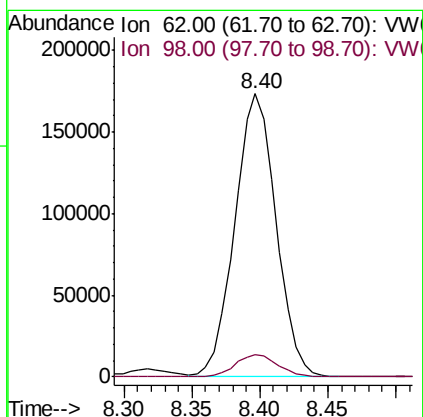
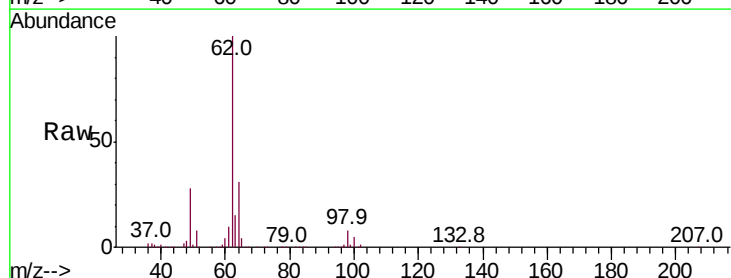
Acq: 19 Apr 2019 21:00

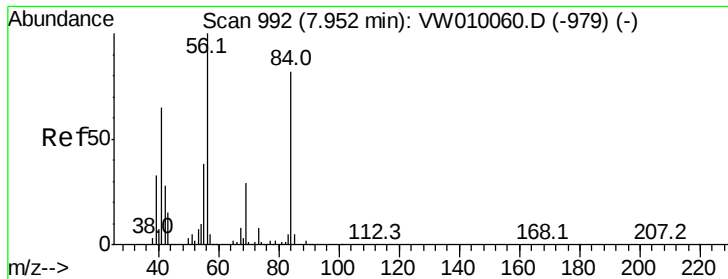
Tgt Ion: 62 Resp: 367822

Ion Ratio Lower Upper

62 100

98 7.7 6.6 10.0

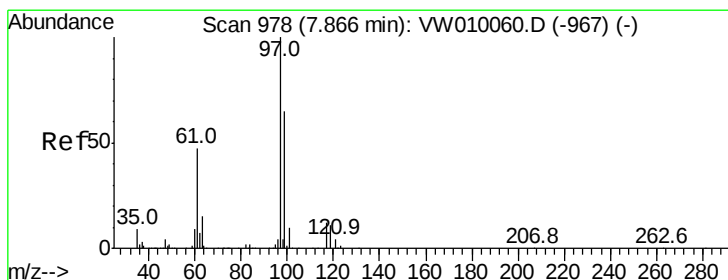
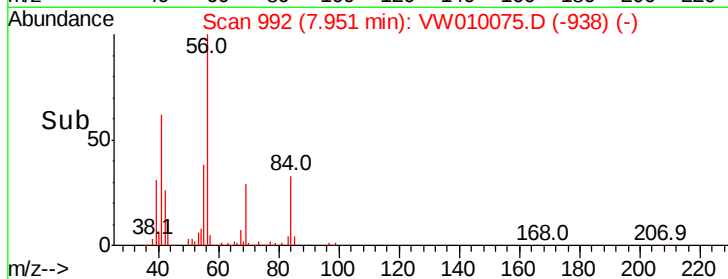
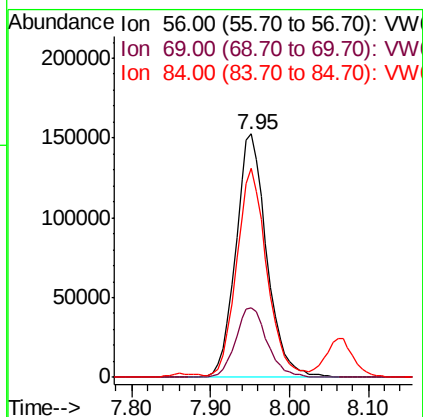
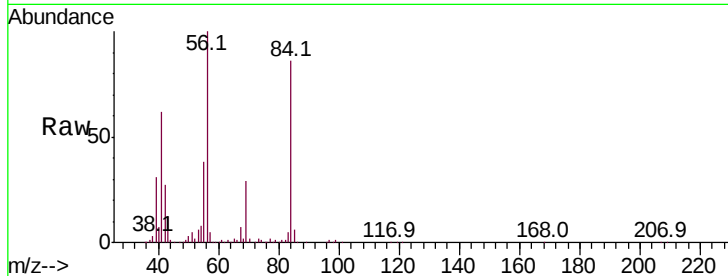




#30
Cyclohexane
Concen: 27.552 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

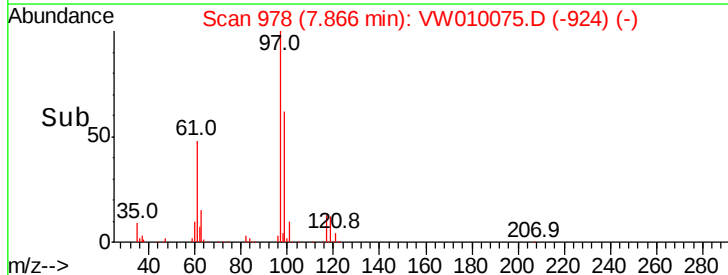
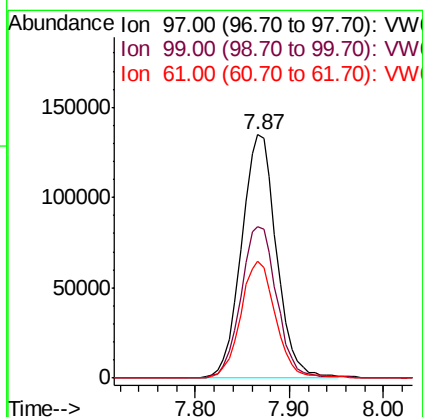
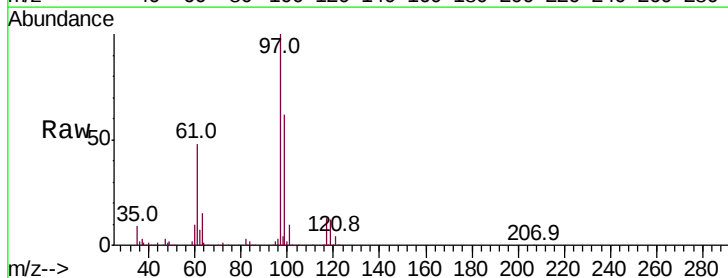
Instrument :
MSVOA_W
ClientSampleId :

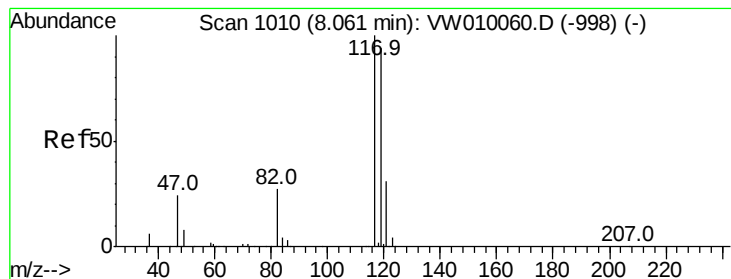
Tot Ion	56	Resp	415988
Ion Ratio	Lower	Upper	
56	100		
69	29.2	23.4	35.0
84	84.1	65.5	98.3



#31
1,1,1-Trichloroethane
Concen: 25.116 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion	97	Resp	350416
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.8	76.2
61	47.2	39.3	58.9





#32

Carbon tetrachloride

Concen: 24.889 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

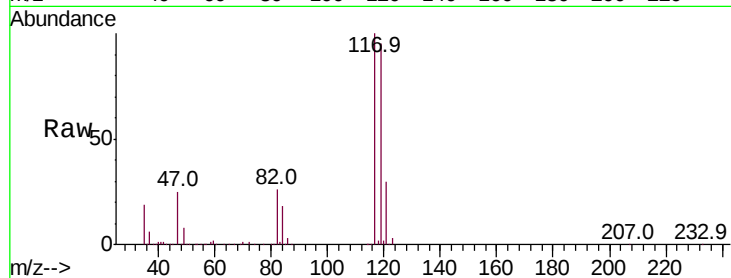
ClientSampled :

Tot Ion:117 Resp: 340925

Ion Ratio Lower Upper

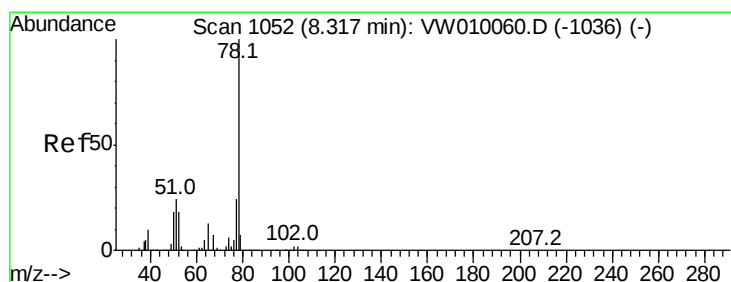
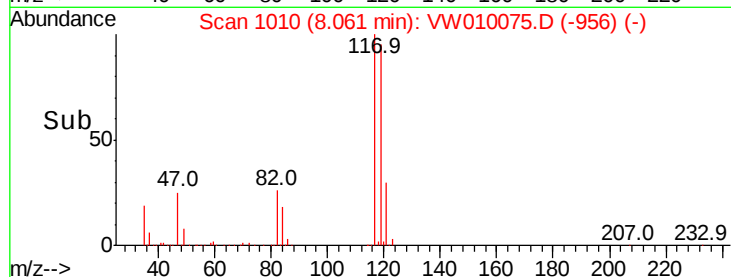
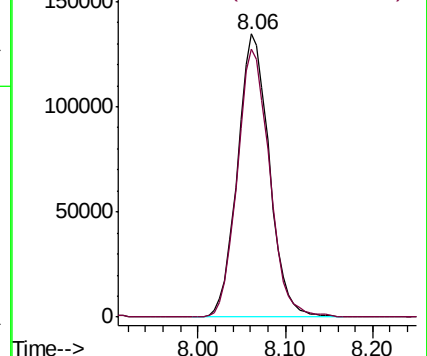
117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.101 ug/L

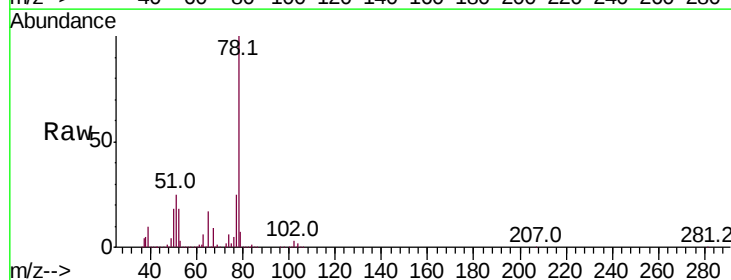
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

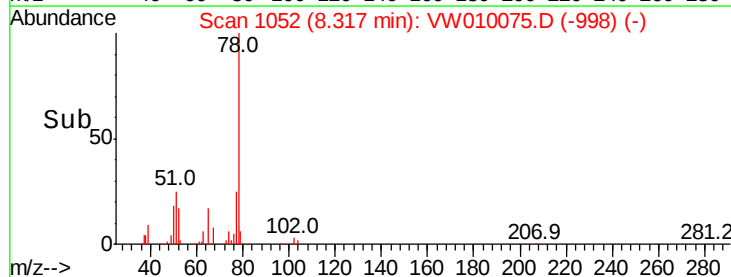
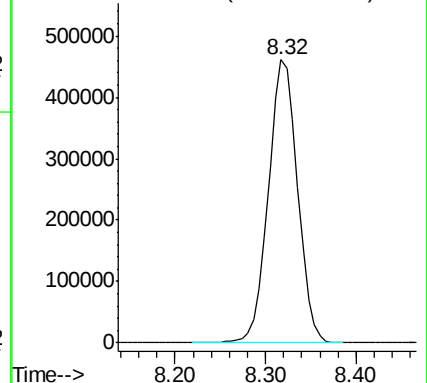
Lab File: VW010075.D

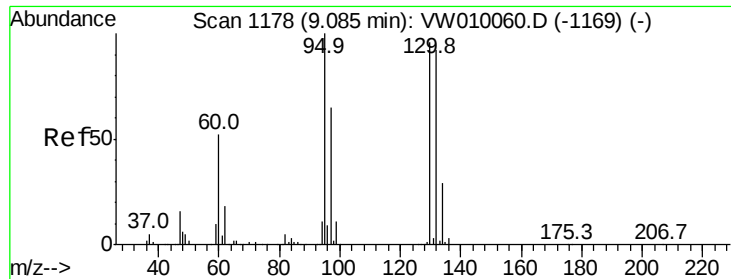
Acq: 19 Apr 2019 21:00

Tgt Ion: 78 Resp: 1027175



Abundance Ion 78.00 (77.70 to 78.70): VW

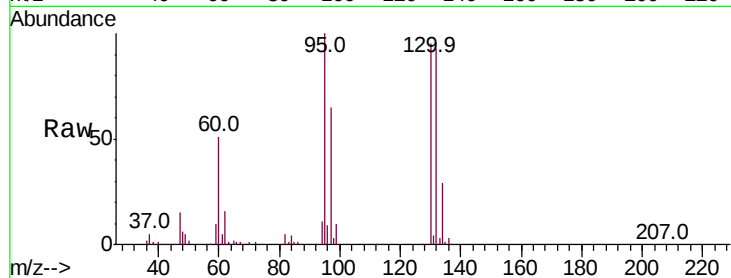




#35
 Trichloroethene
 Concen: 25.692 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	95	Resp	262889
Ion Ratio	Lower	Upper	
95	100		
97	64.2	45.3	84.1
132	94.5	65.6	121.8
130	97.7	68.5	127.3



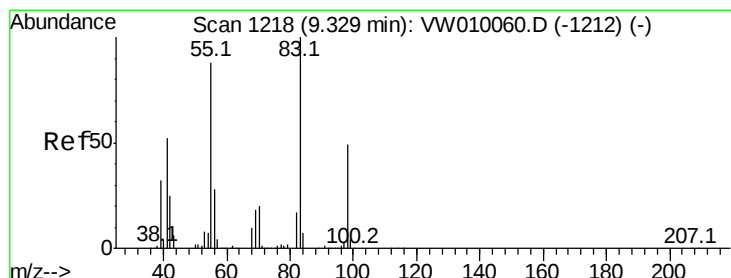
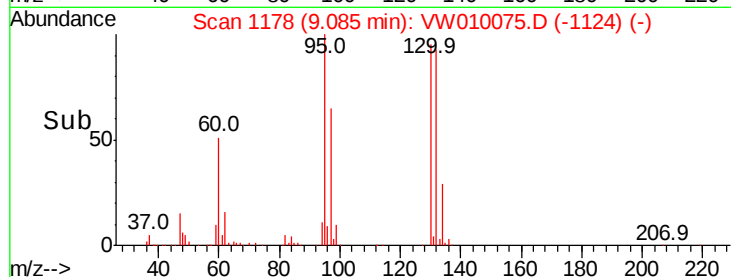
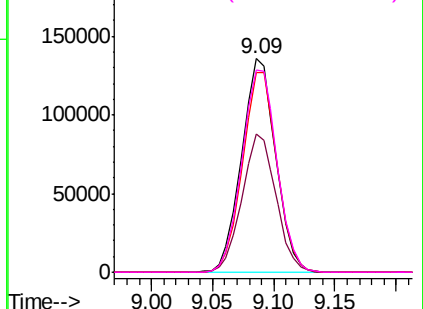
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

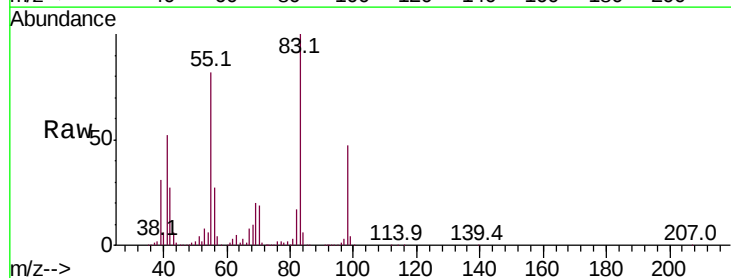
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 26.464 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Tgt Ion	83	Resp	435064
Ion Ratio	Lower	Upper	
83	100		
55	82.5	68.4	102.6
98	48.9	40.0	60.0

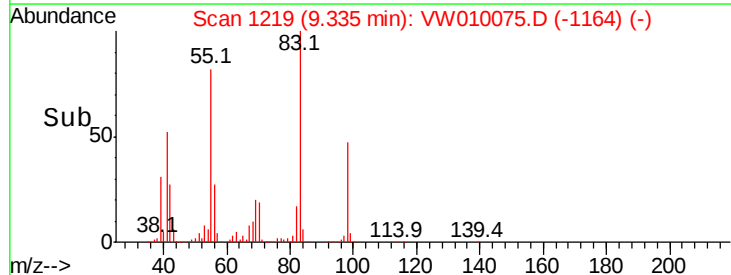
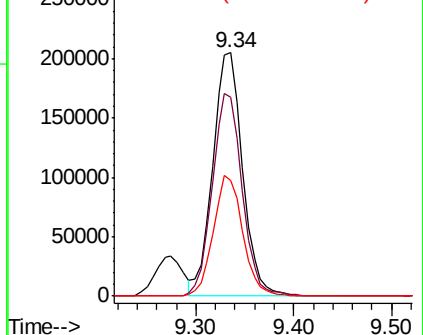


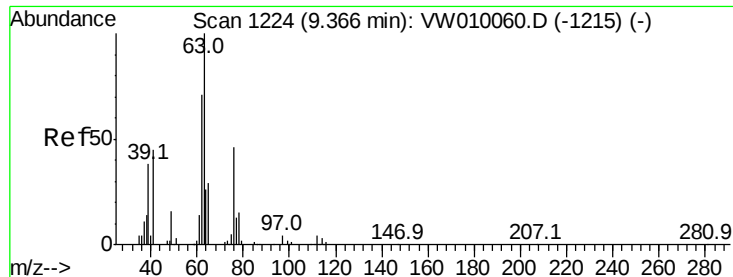
Abundance

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: 26.052 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

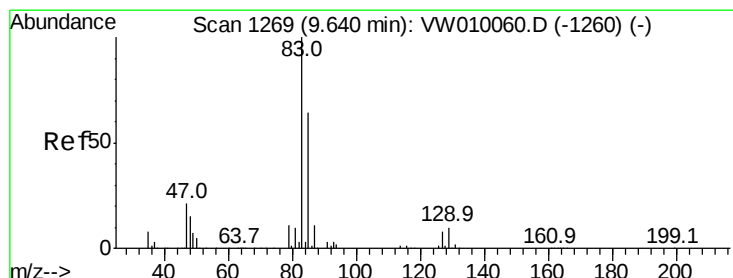
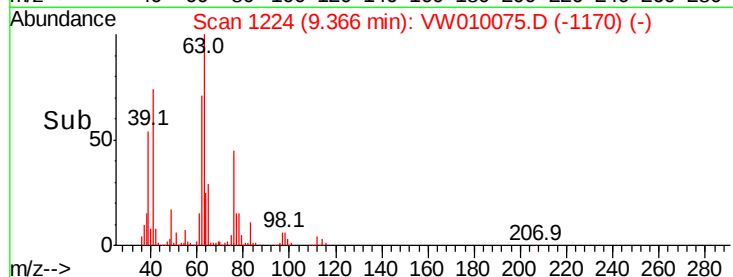
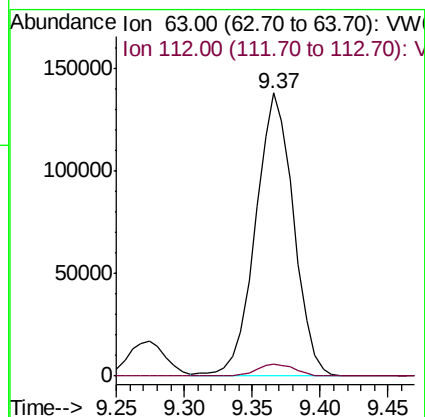
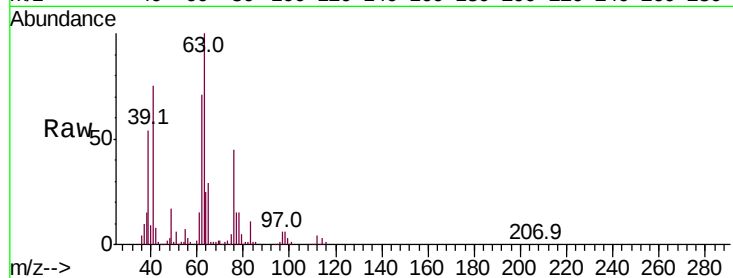
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 271153

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#41

Bromodichloromethane

Concen: 24.986 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

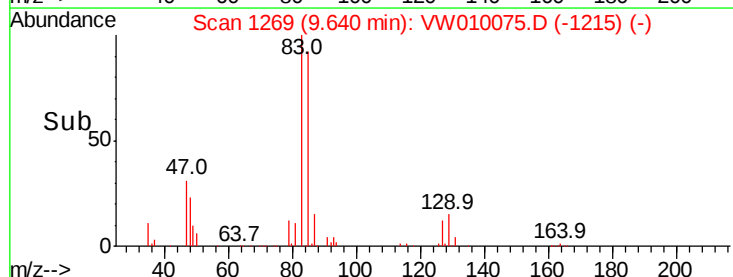
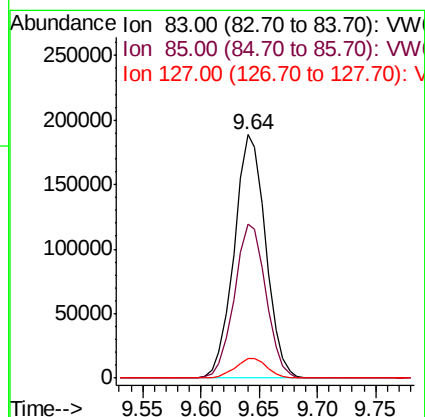
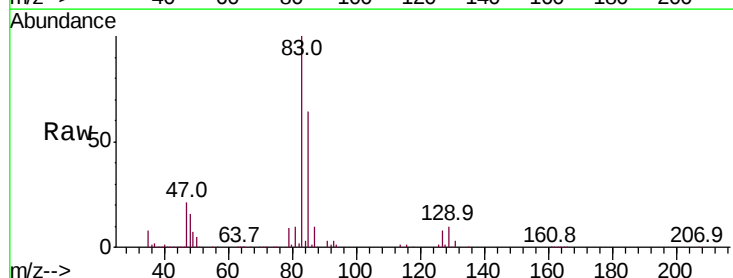
Tgt Ion: 83 Resp: 355034

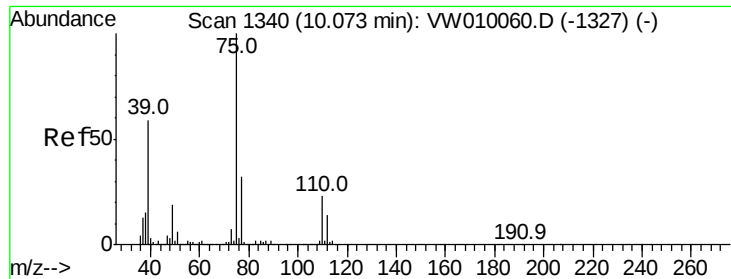
Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9

127 8.3 6.1 9.1

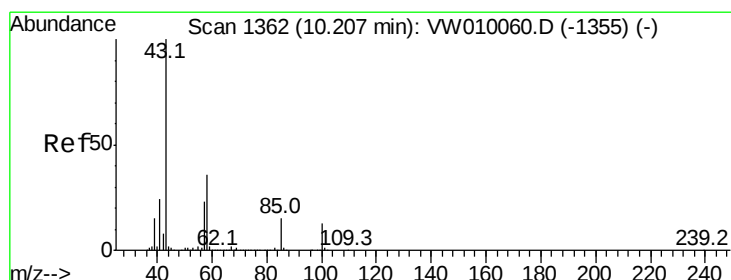
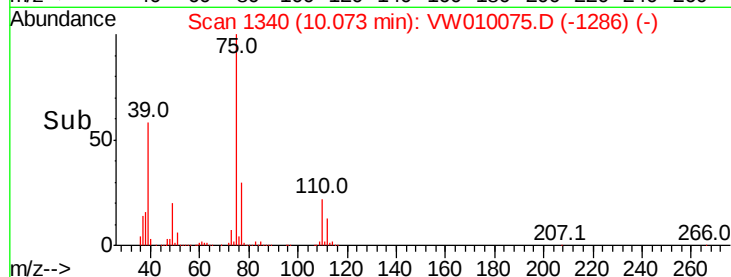
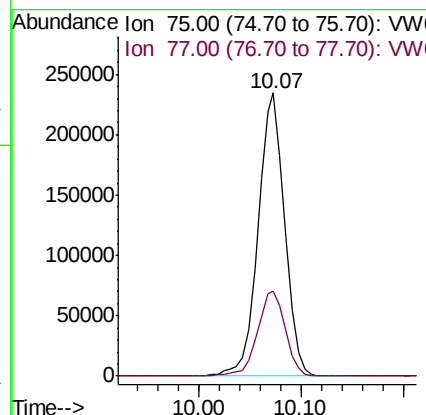
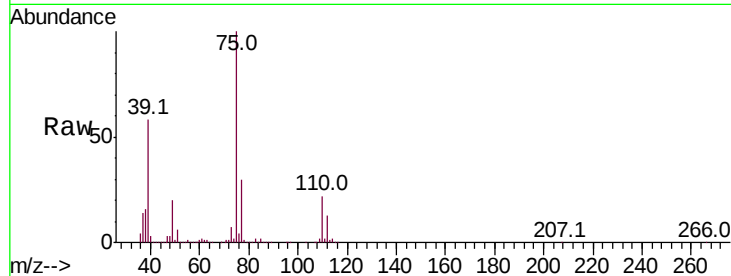




#42
 cis-1,3-Dichloropropene
 Concen: 26.561 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

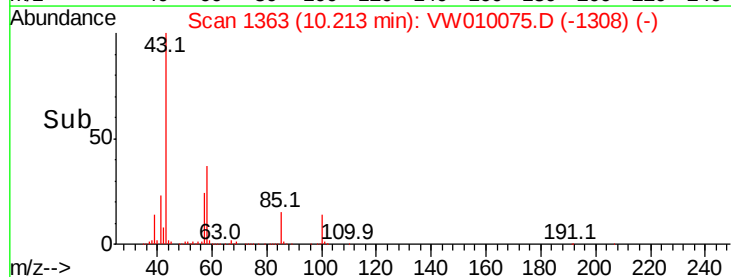
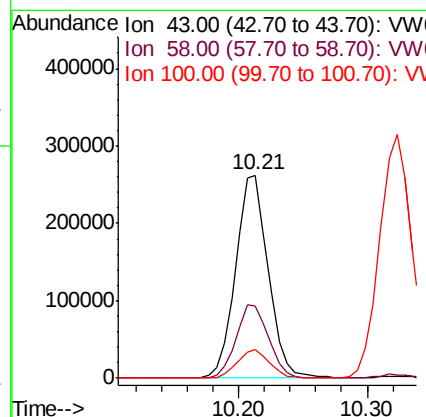
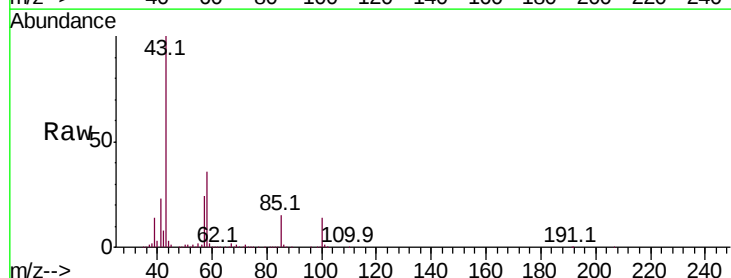
Instrument :
 MSVOA_W
 ClientSampled :

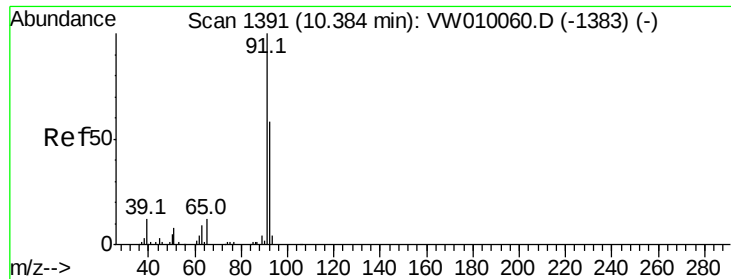
Tot Ion: 75 Resp: 426191
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 53.521 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Tgt Ion: 43 Resp: 458782
 Ion Ratio Lower Upper
 43 100
 58 36.5 27.9 41.9
 100 13.8 10.5 15.7





#44

Toluene

Concen: 26.361 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

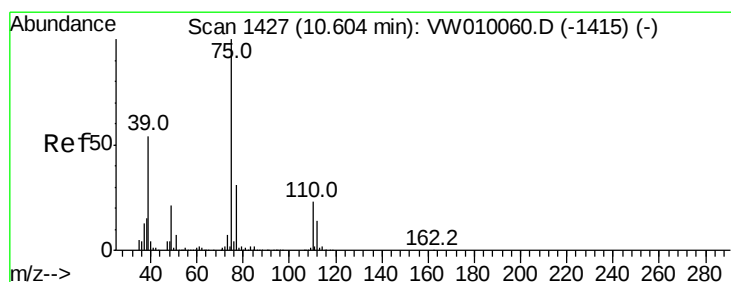
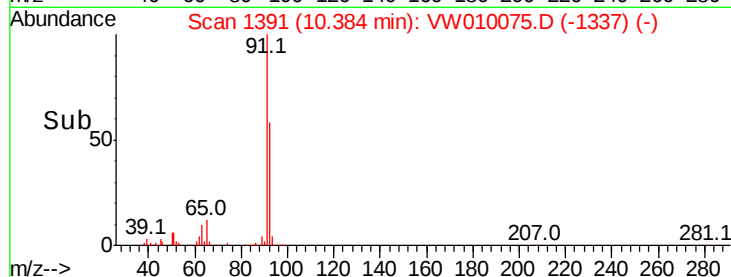
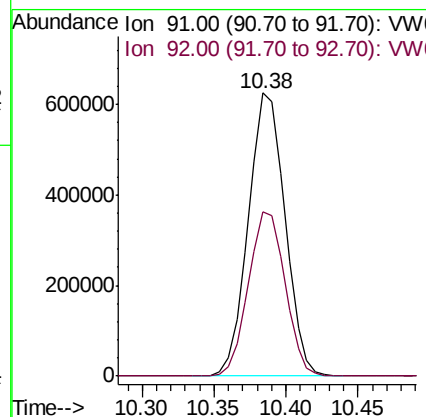
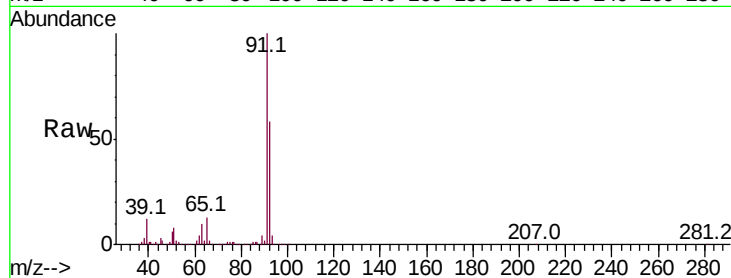
ClientSampleId :

Tot Ion: 91 Resp: 1100590

Ion Ratio Lower Upper

91 100

92 58.1 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.645 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010075.D

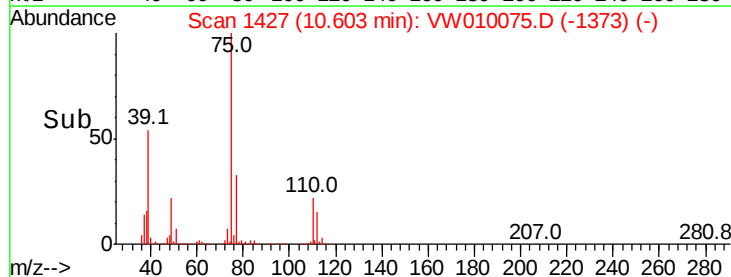
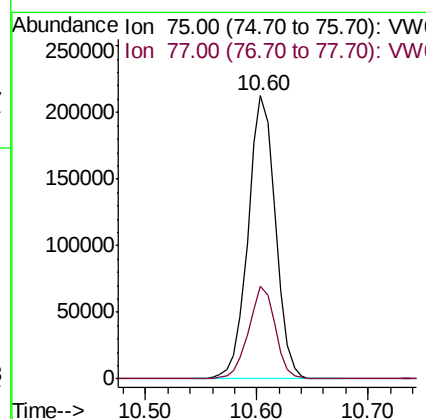
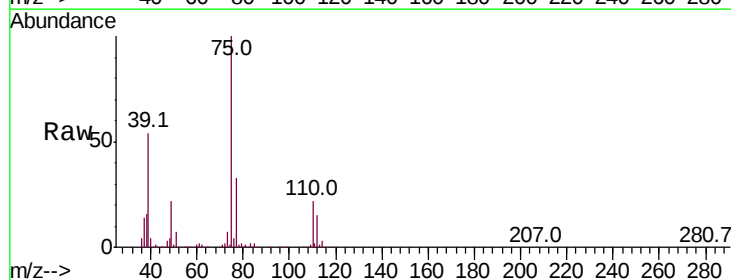
Acq: 19 Apr 2019 21:00

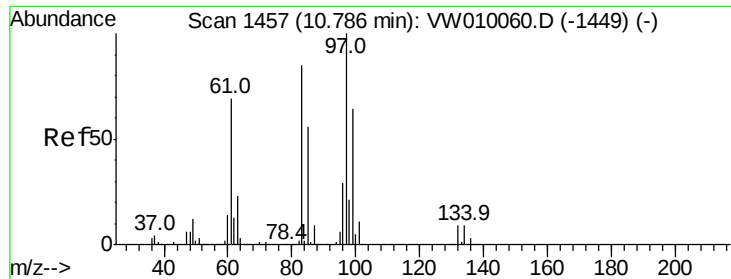
Tgt Ion: 75 Resp: 363343

Ion Ratio Lower Upper

75 100

77 32.7 22.0 41.0

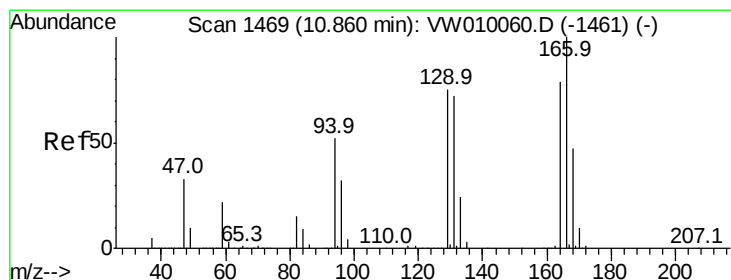
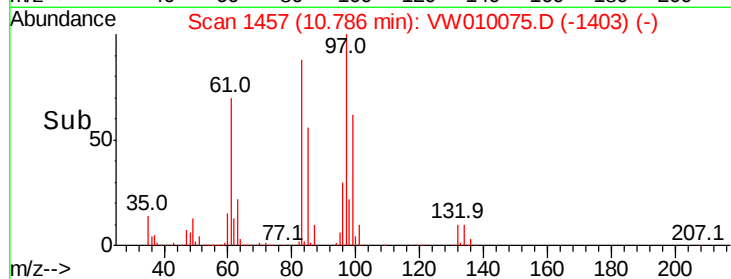
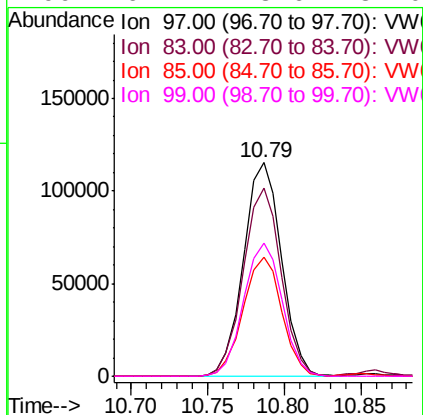
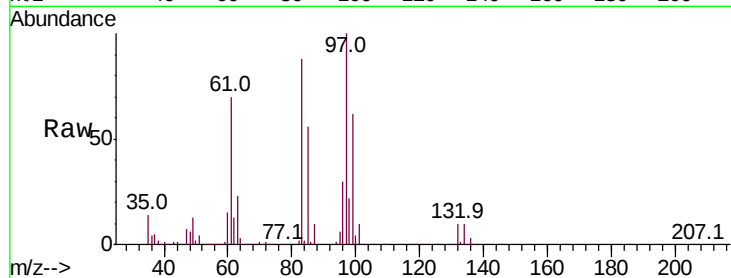




#46
1,1,2-Trichloroethane
Concen: 24.612 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

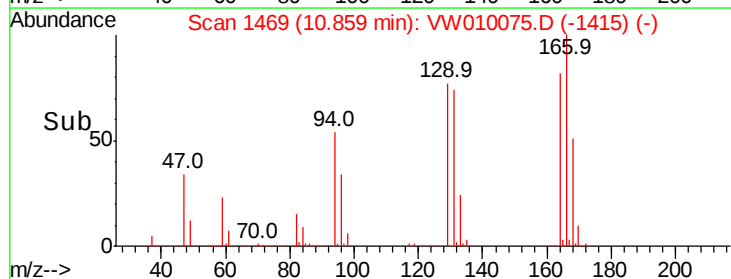
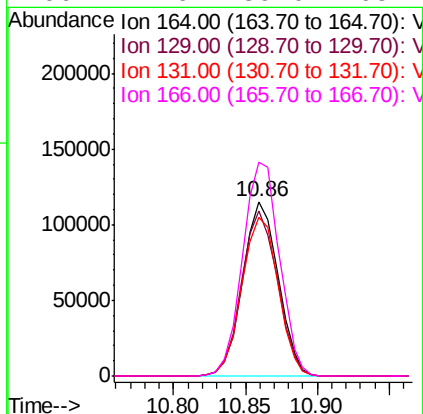
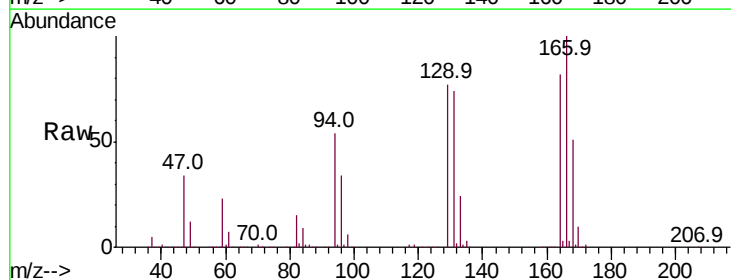
Instrument :
MSVOA_W
ClientSampleId :

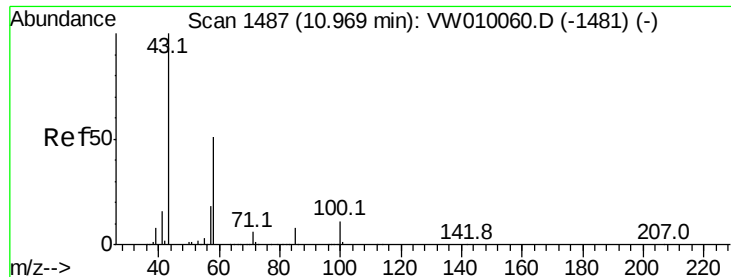
Tot Ion:	97	Resp:	199780
Ion	Ratio	Lower	Upper
97	100		
83	88.0	59.1	109.7
85	55.9	39.3	73.1
99	62.2	43.6	81.0



#47
Tetrachloroethene
Concen: 24.640 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion:	164	Resp:	196943
Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.8	124.2
131	90.8	65.2	121.0
166	122.6	89.0	165.2

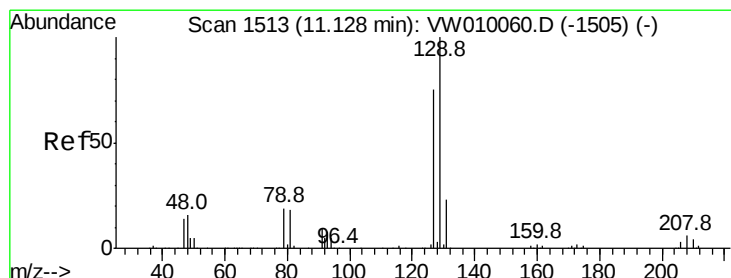
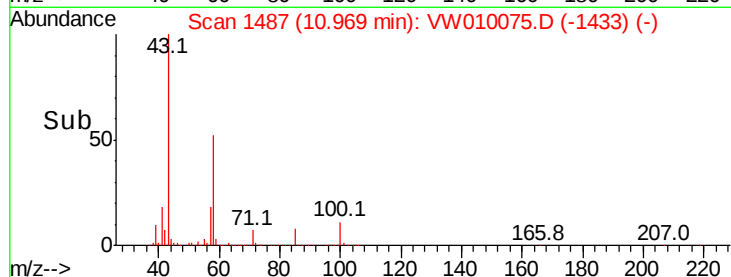
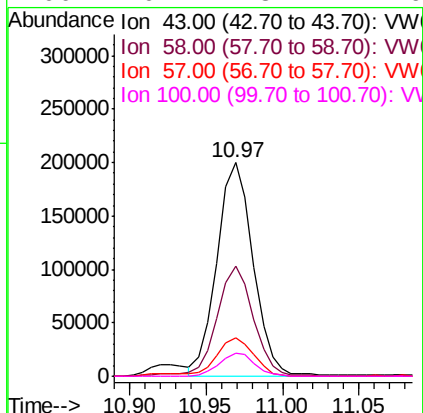
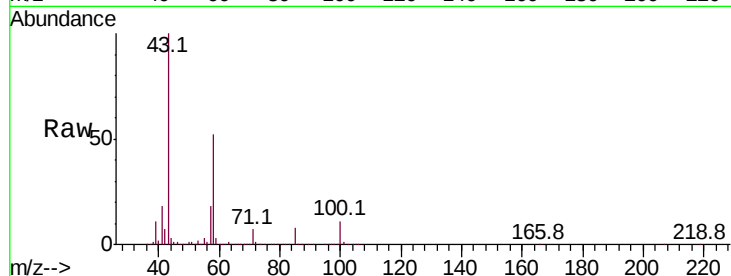




#49
2-Hexanone
Concen: 54.102 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

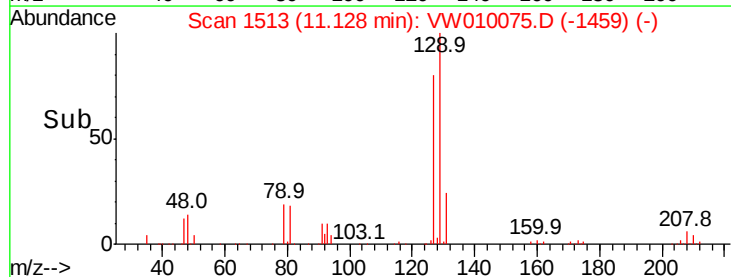
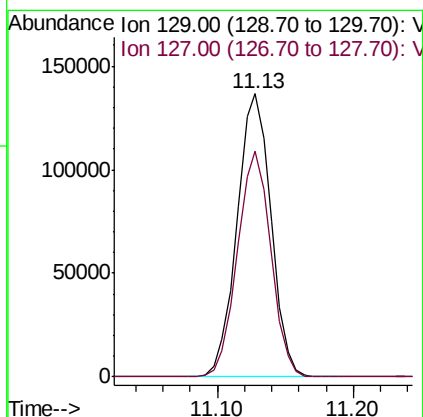
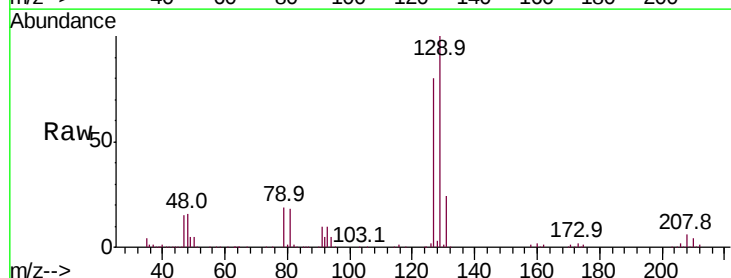
Instrument :
MSVOA_W
ClientSampleId :

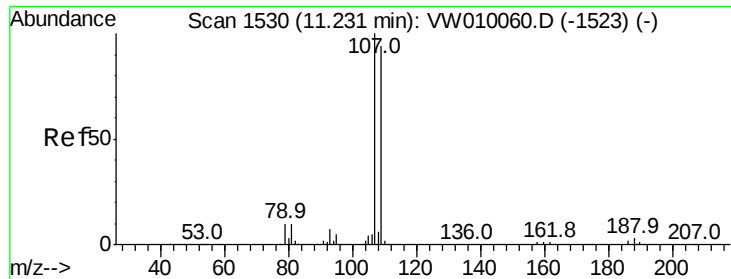
Tot Ion: 43 Resp: 329466
Ion Ratio Lower Upper
43 100
58 52.2 39.8 59.8
57 18.0 14.1 21.1
100 10.7 8.4 12.6



#50
Dibromochloromethane
Concen: 24.738 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion: 129 Resp: 238346
Ion Ratio Lower Upper
129 100
127 79.5 53.5 99.3

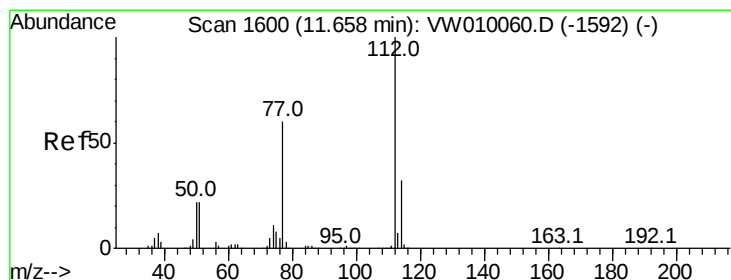
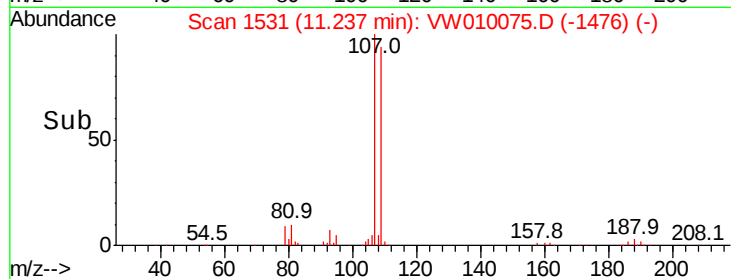
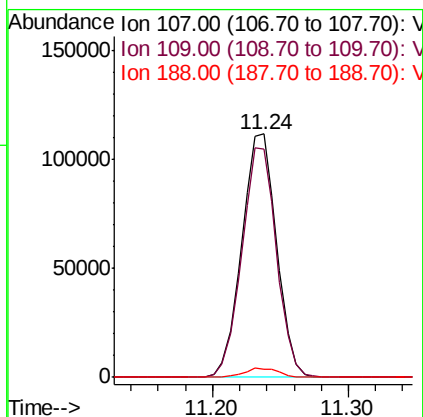
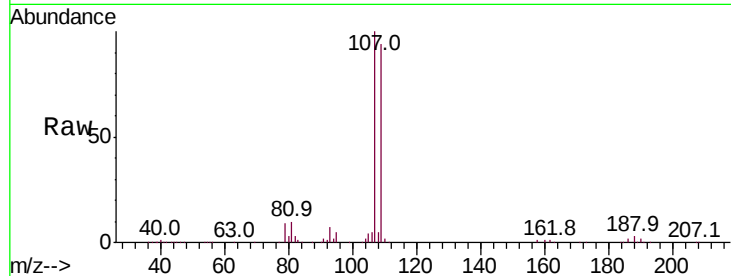




#51
 1,2-Dibromoethane
 Concen: 25.133 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

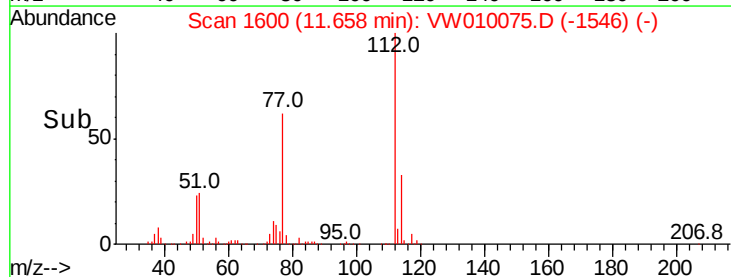
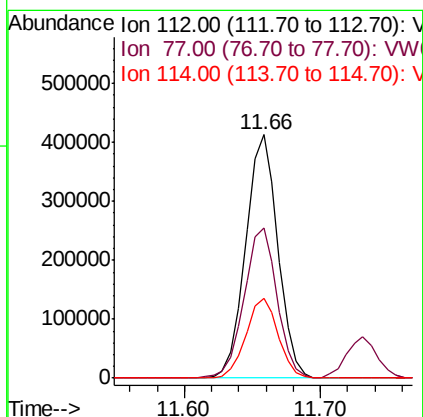
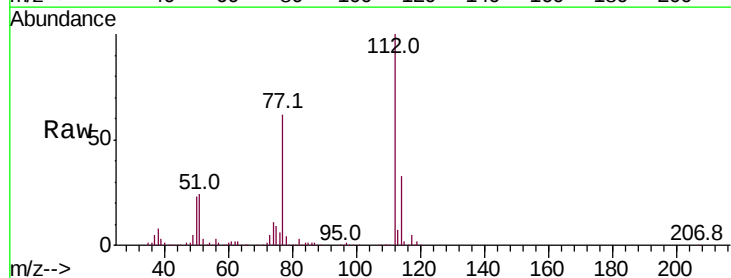
Instrument :
 MSVOA_W
 ClientSampleId :

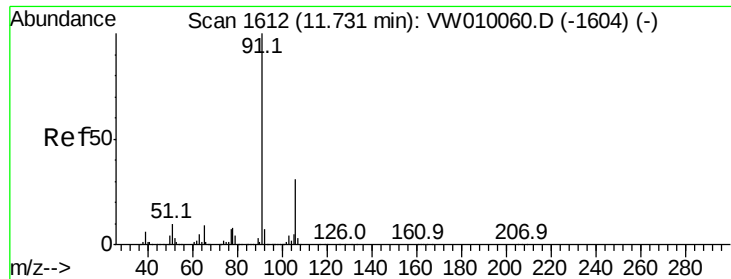
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.4	123.4
188	3.5	2.7	4.1



#52
 Chlorobenzene
 Concen: 25.127 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.6	50.2	75.4
114	32.5	22.7	42.3

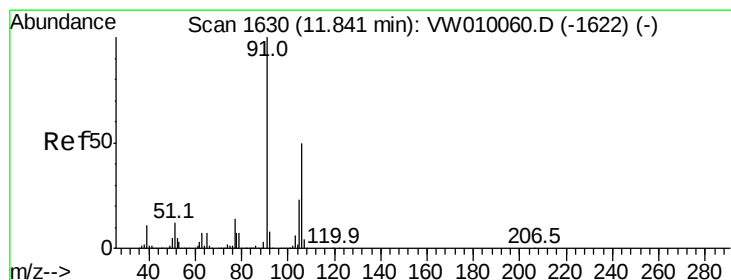
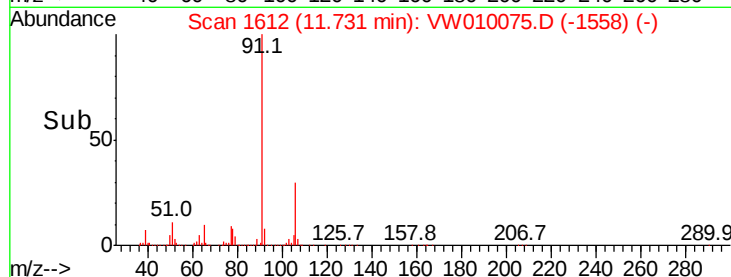
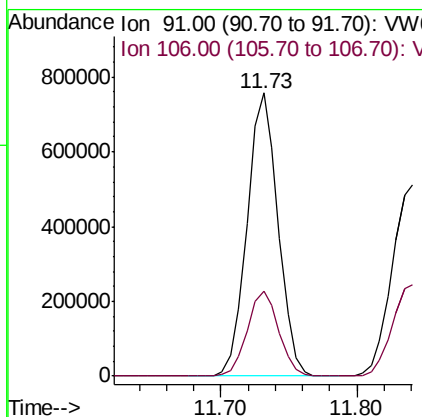
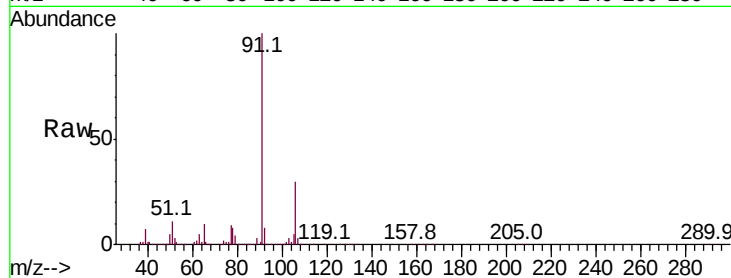




#53
Ethylbenzene
Concen: 25.834 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

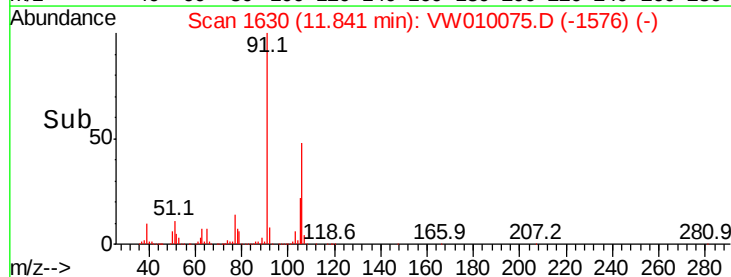
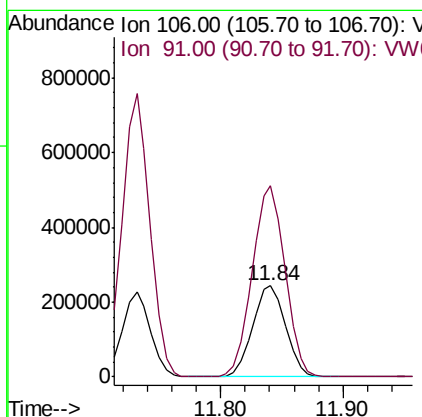
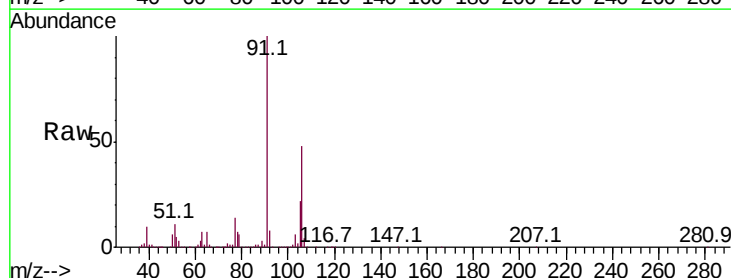
Instrument :
MSVOA_W
ClientSampleId :

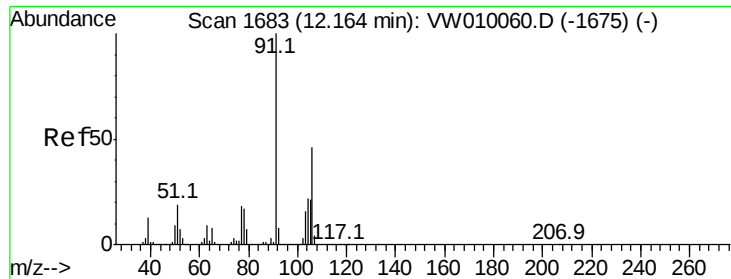
Tot Ion: 91 Resp: 1205554
Ion Ratio Lower Upper
91 100
106 30.0 21.8 40.4



#54
m,p-Xylene
Concen: 26.765 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010075.D
Acq: 19 Apr 2019 21:00

Tgt Ion: 106 Resp: 456843
Ion Ratio Lower Upper
106 100
91 209.0 143.4 266.2





#55

o-xylene

Concen: 26.947 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

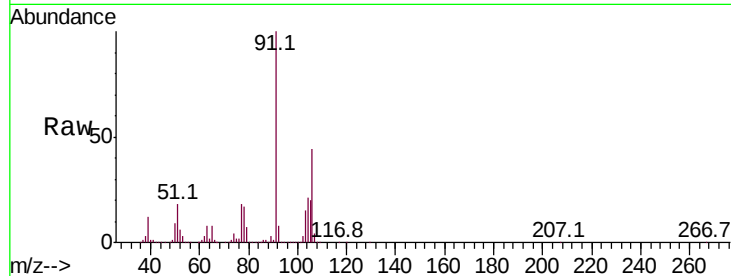
ClientSampleId :

Tot Ion:106 Resp: 441143

Ion Ratio Lower Upper

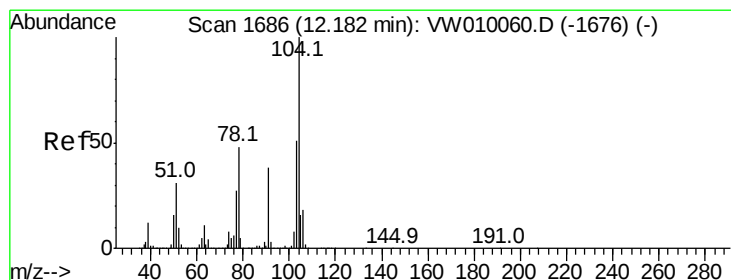
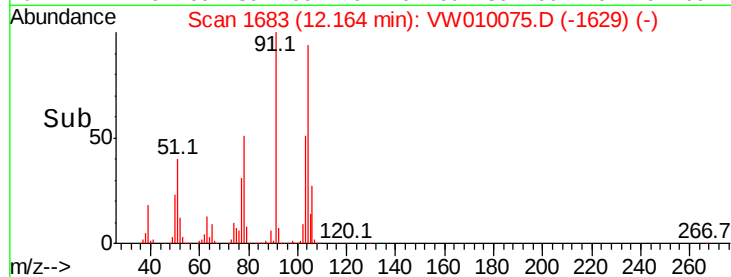
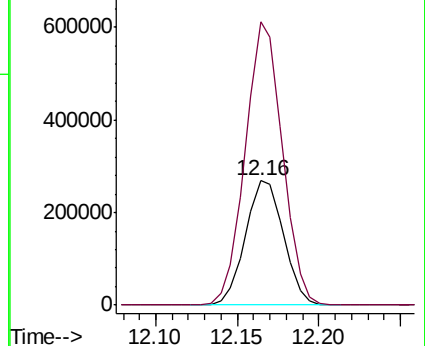
106 100

91 227.6 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.154 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010075.D

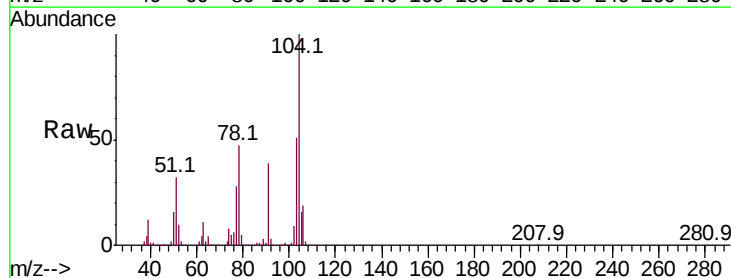
Acq: 19 Apr 2019 21:00

Tgt Ion:104 Resp: 778207

Ion Ratio Lower Upper

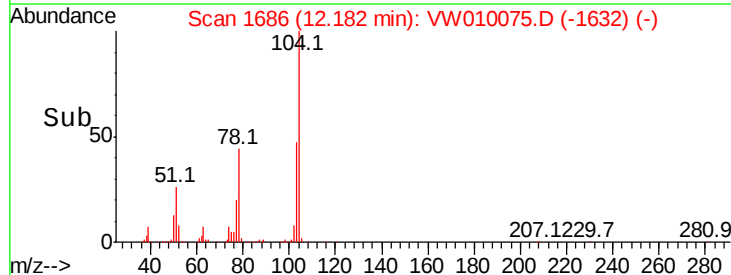
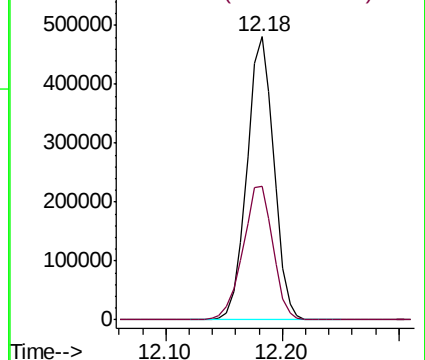
104 100

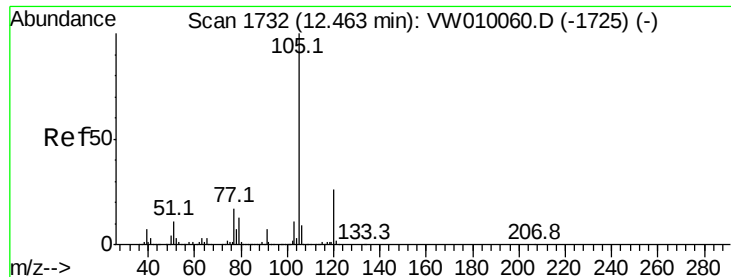
78 47.4 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.091 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

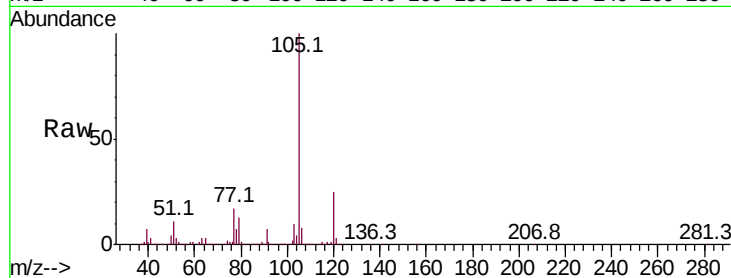
Tot Ion:105 Resp: 1181283

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

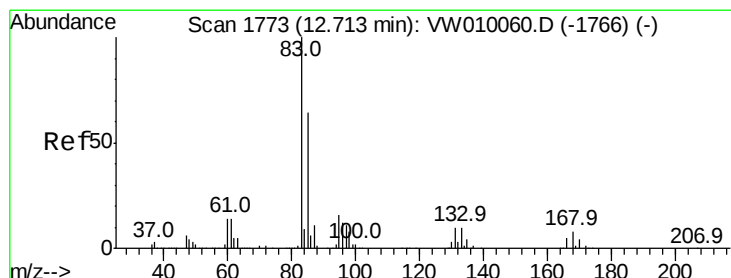
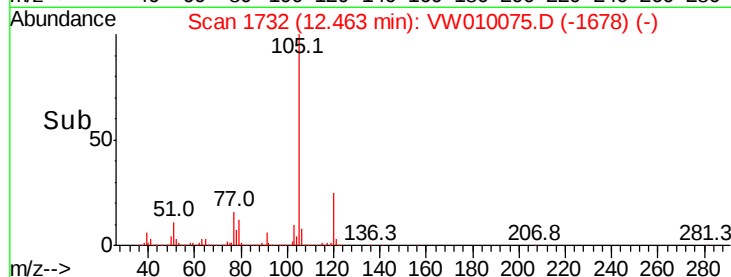
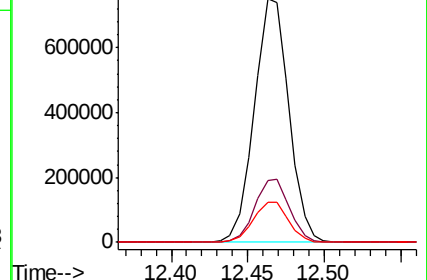
77 16.9 13.4 20.2



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: 24.685 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

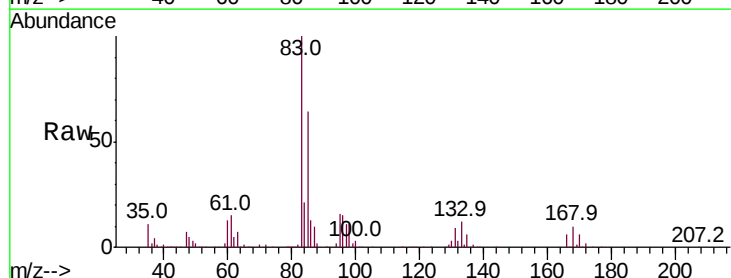
Tgt Ion: 83 Resp: 263588

Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9

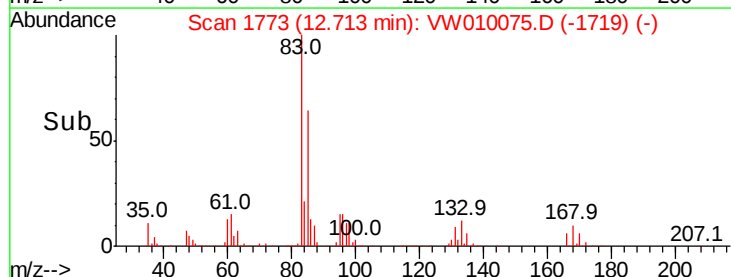
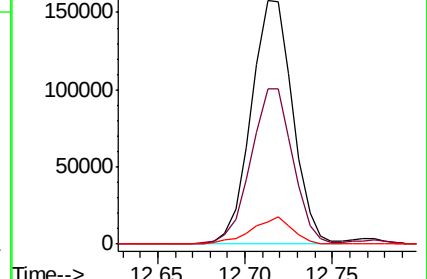
131 9.3 8.3 12.5

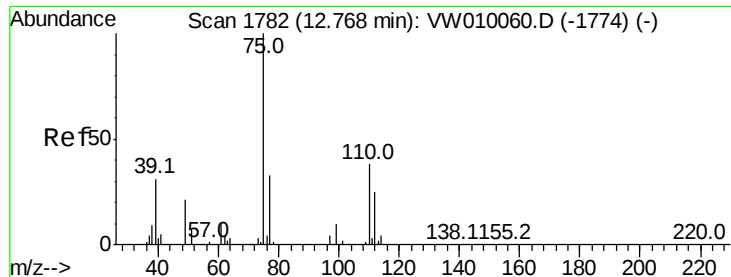


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.326 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

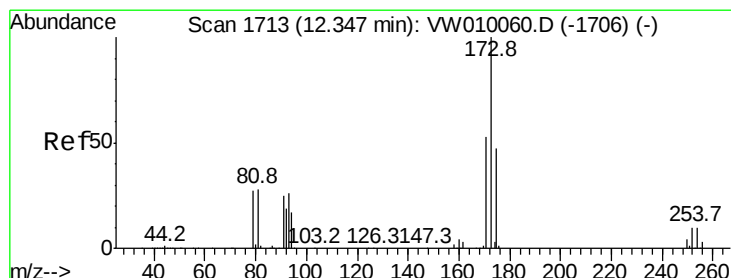
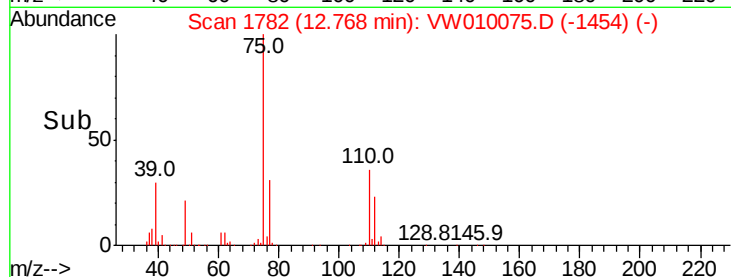
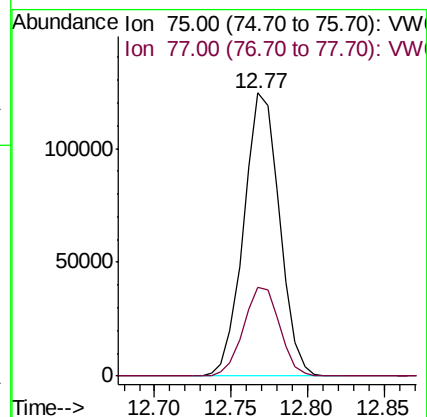
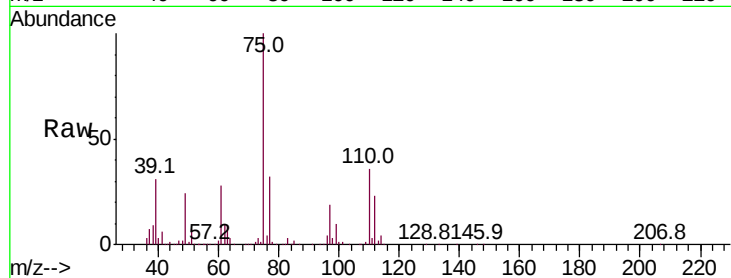
ClientSampled :

Tot Ion: 75 Resp: 202383

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#62

Bromoform

Concen: 24.087 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

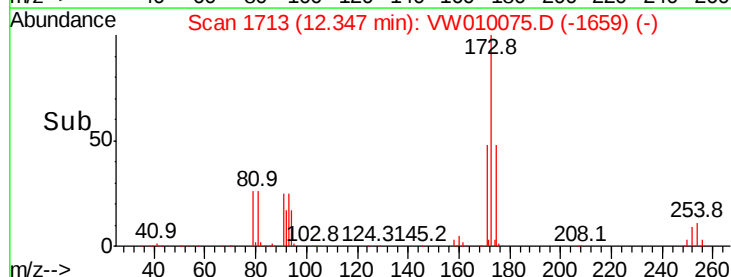
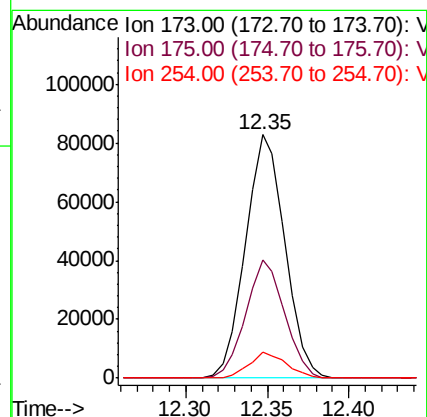
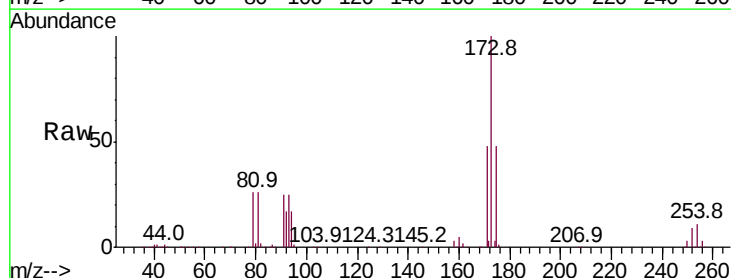
Tgt Ion: 173 Resp: 139215

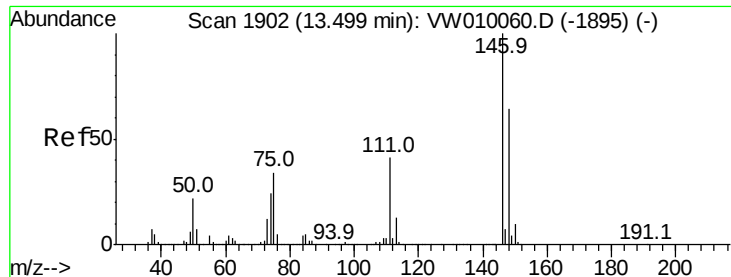
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 10.1 7.7 11.5

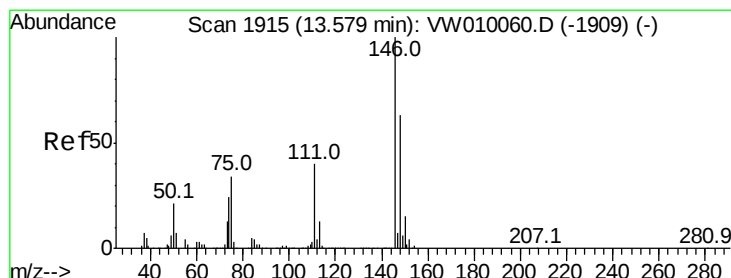
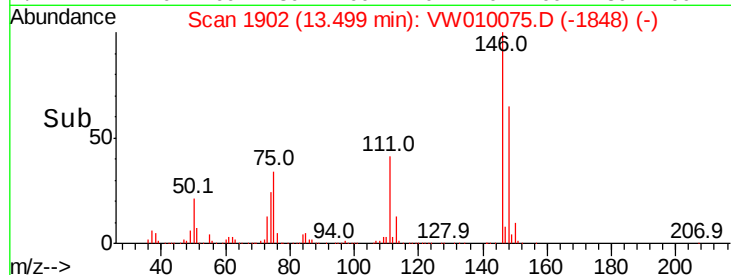
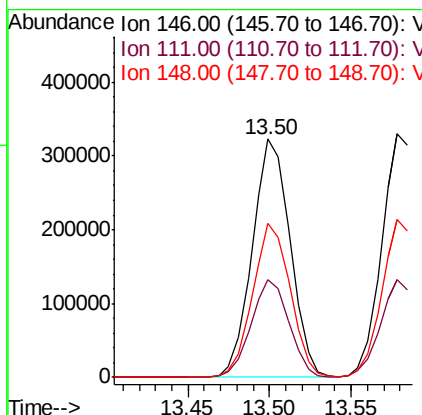
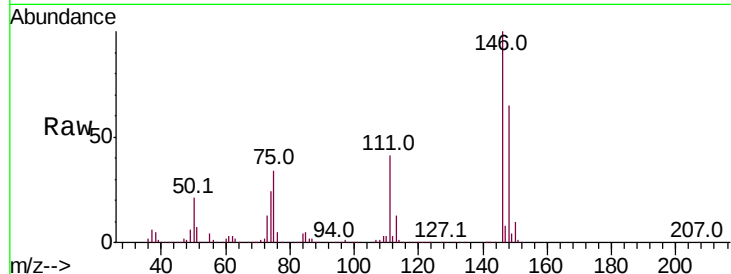




#63
 1,3-Dichlorobenzene
 Concen: 26.228 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

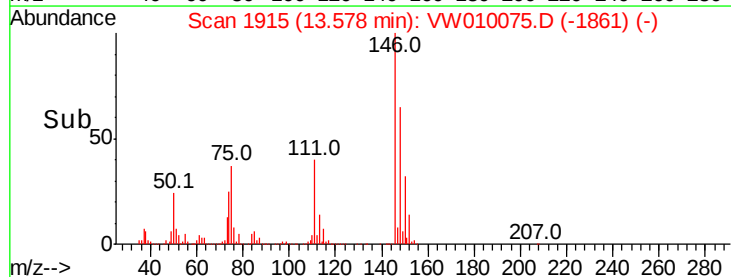
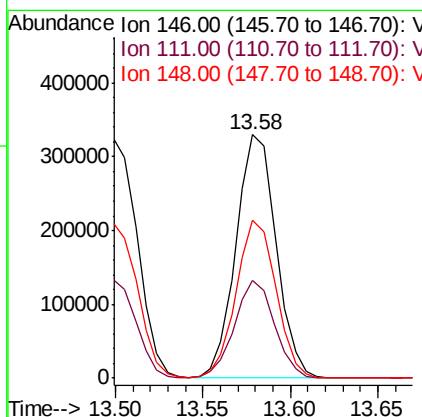
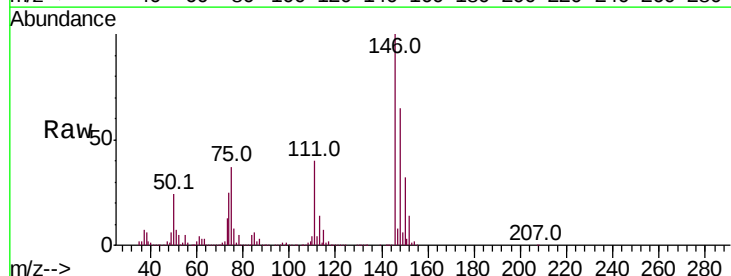
Instrument :
 MSVOA_W
 ClientSampled :

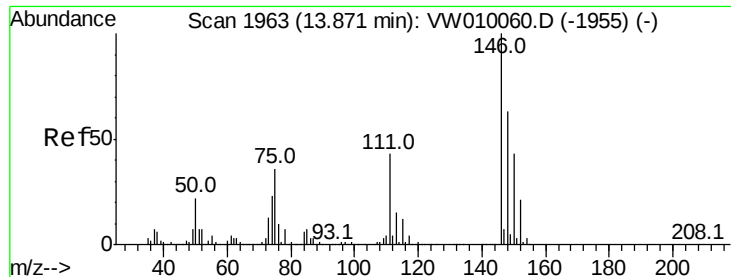
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.3	54.3
148	64.7	44.1	81.9



#64
 1,4-Dichlorobenzene
 Concen: 24.740 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.0	52.0
148	64.9	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 25.482 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

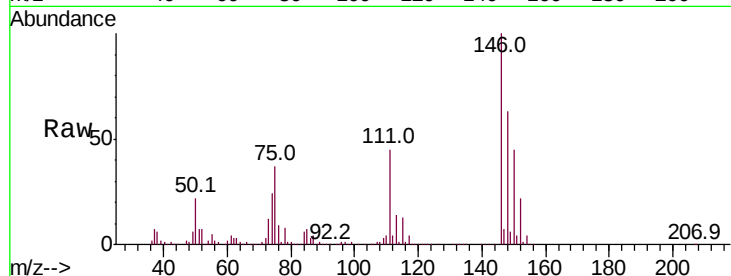
Tot Ion:146 Resp: 497168

Ion Ratio Lower Upper

146 100

111 45.0 35.0 52.6

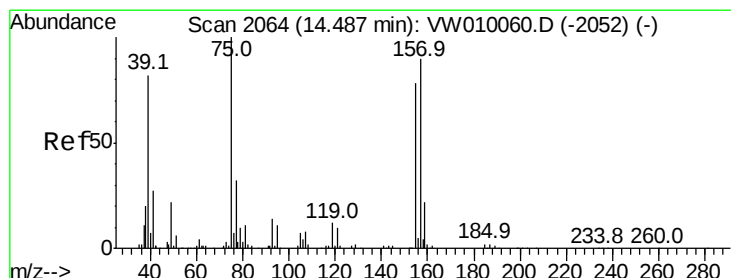
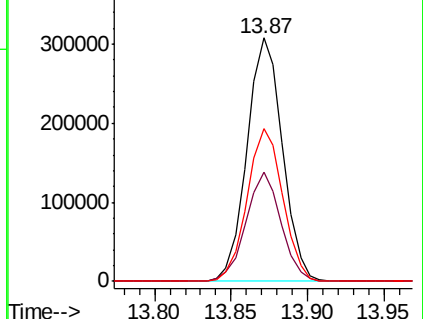
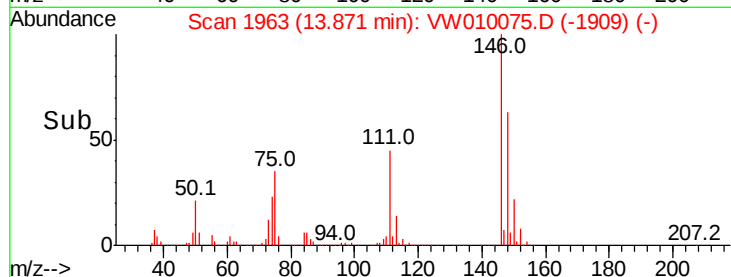
148 62.9 50.4 75.6



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: 24.376 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

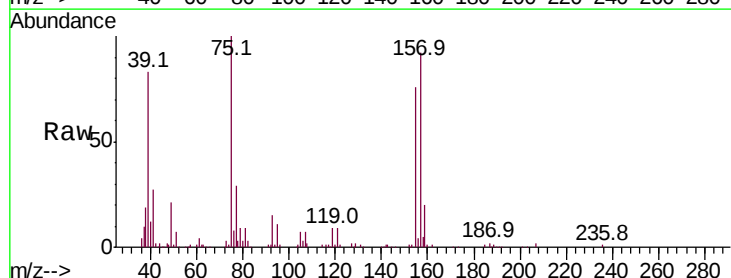
Tgt Ion: 75 Resp: 48128

Ion Ratio Lower Upper

75 100

157 92.2 73.3 109.9

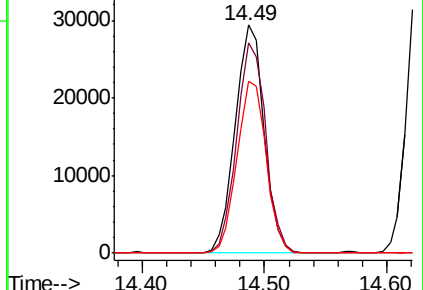
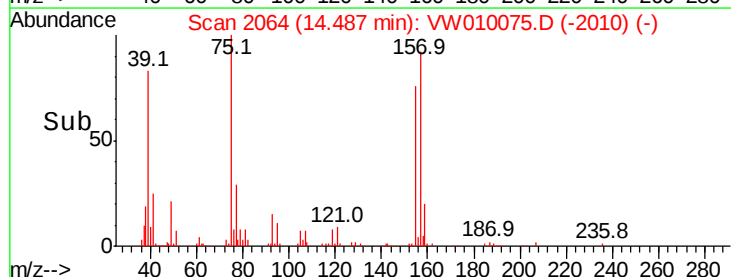
155 75.6 58.6 88.0

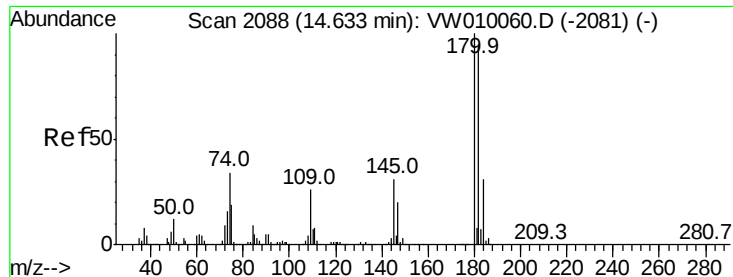


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

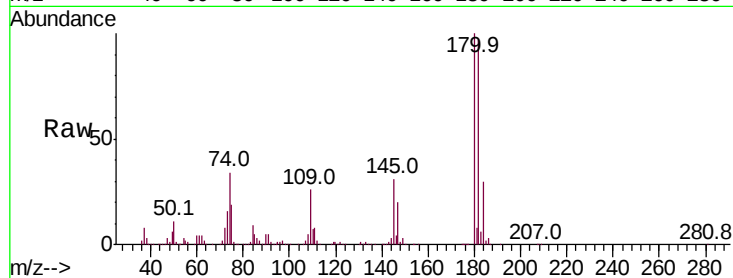




#67
 1,3,5-Trichlorobenzene
 Concen: 26.238 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	382159		
182	93.9	76.8	115.2	
184	29.4	24.0	36.0	
145	30.0	24.4	36.6	



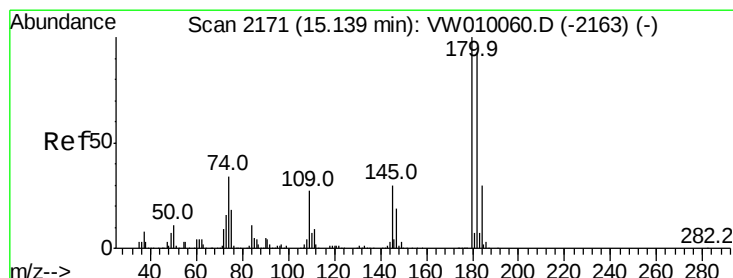
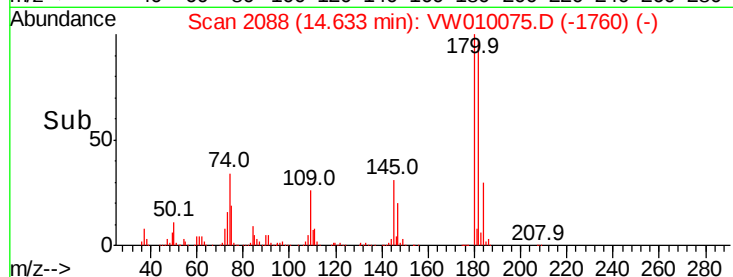
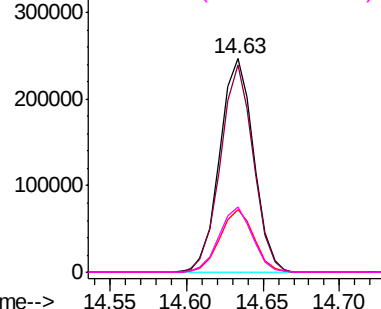
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

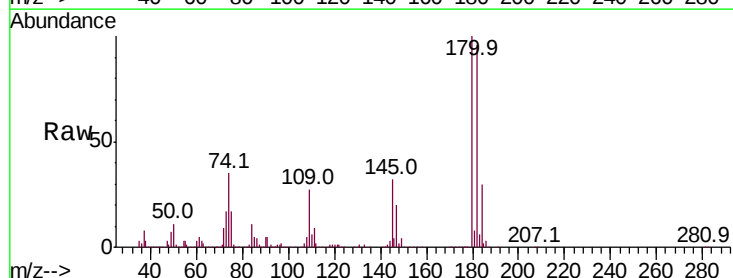
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.971 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010075.D
 Acq: 19 Apr 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	321810		
182	95.4	75.4	113.0	
145	31.3	25.0	37.4	

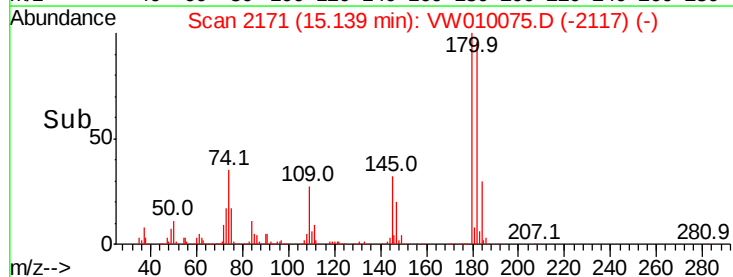
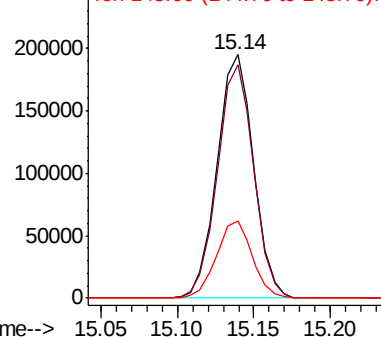


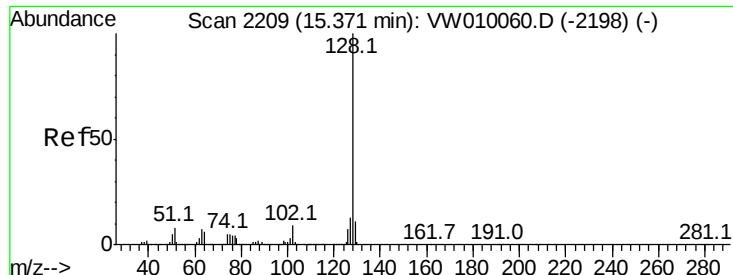
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.335 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

Instrument :

MSVOA_W

ClientSampleId :

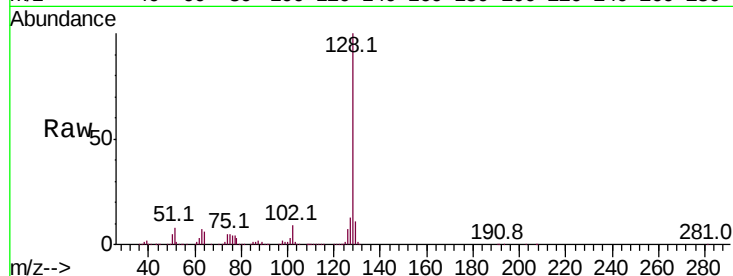
Tot Ion:128 Resp: 802447

Ion Ratio Lower Upper

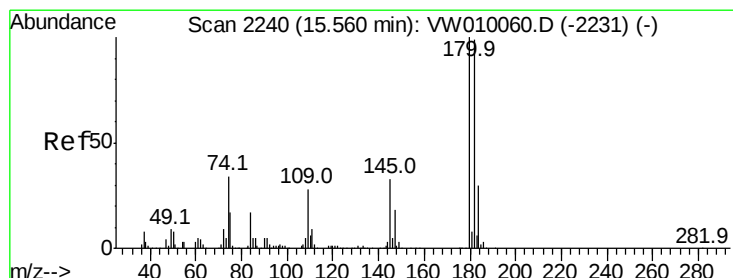
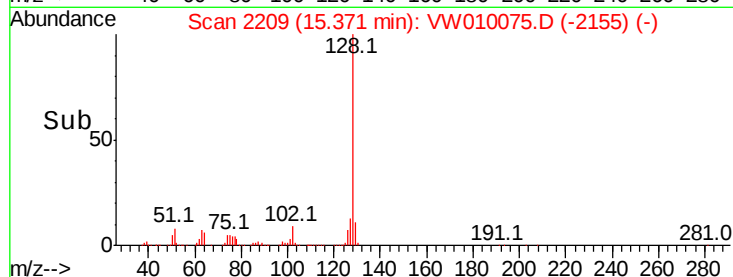
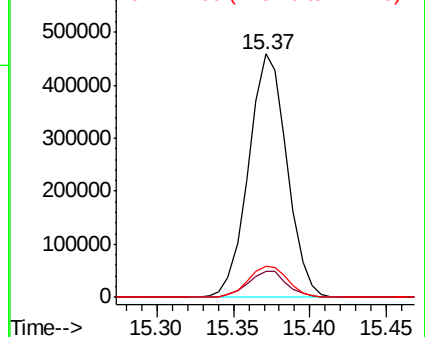
128 100

129 10.9 8.6 12.8

127 13.2 10.6 16.0



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: 26.848 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010075.D

Acq: 19 Apr 2019 21:00

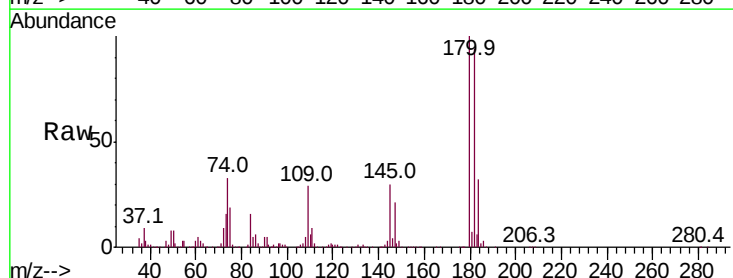
Tgt Ion:180 Resp: 305654

Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 32.7 26.3 39.5



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

