

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\
 Data File : VW005831.D
 Acq On : 04 Oct 2018 00:11
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 07:05:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 04 07:04:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	270054	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	265903	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	138362	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	65435	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
7) Chloroethane-d5	2.90	69	58310	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.84%
10) 1,1-Dichloroethene-d2	4.02	63	157816	21.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.00%
20) 2-Butanone-d5	7.09	46	53127	48.07	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.14%
24) Chloroform-d	7.65	84	180978	26.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.36%
26) 1,2-Dichloroethane-d4	8.31	65	109720	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.44%
29) Benzene-d6	8.27	84	326865	24.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.32%
33) 1,2-Dichloropropane-d6	9.28	67	98707	25.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.76%
37) Toluene-d8	10.33	98	308681	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.00%
38) trans-1,3-Dichloropropene-	10.58	79	46029	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.16%
39) 2-Hexanone-d5	10.93	63	44270	49.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94837	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	127978	26.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	68438	21.612	ug/L 96
3) Chloromethane	2.21	50	56462	19.141	ug/L 99
5) Vinyl chloride	2.37	62	92102	21.654	ug/L 96
6) Bromomethane	2.79	94	56788	22.191	ug/L 99
8) Chloroethane	2.93	64	53733	22.721	ug/L 96
9) Trichlorofluoromethane	3.26	101	61754	19.002	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	87332	23.788	ug/L 99
12) 1,1-Dichloroethene	4.04	96	79166	22.578	ug/L 96
13) Acetone	4.15	43	40679	35.345	ug/L 68
14) Carbon disulfide	4.38	76	229600	20.884	ug/L 99
15) Methyl Acetate	4.68	43	47065	23.043	ug/L 99
16) Methylene chloride	4.92	84	102610	23.044	ug/L 94
17) Methyl tert-butyl Ether	5.43	73	132366	23.725	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	85093	23.597	ug/L 99
19) 1,1-Dichloroethane	6.22	63	167102	25.042	ug/L 98
21) 2-Butanone	7.18	43	59993	43.525	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	97606	24.901	ug/L 95

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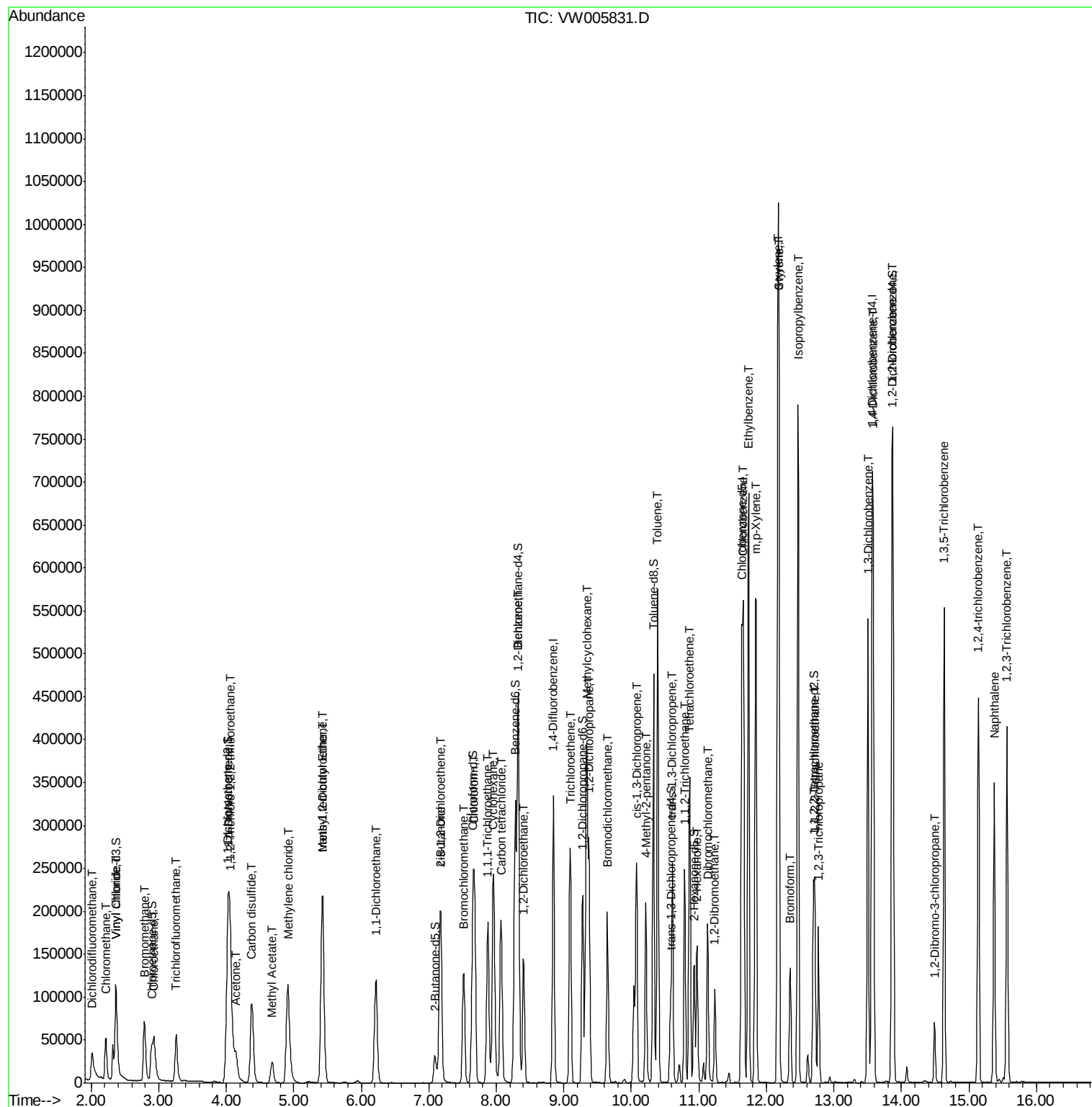
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	46927	25.795	ug/L	98
25) Chloroform	7.68	83	186699	26.151	ug/L	100
27) 1,2-Dichloroethane	8.40	62	137066	26.075	ug/L	99
30) Cyclohexane	7.96	56	132866	22.046	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	153519	23.576	ug/L	100
32) Carbon tetrachloride	8.07	117	147090	23.196	ug/L	100
34) Benzene	8.33	78	380855	25.349	ug/L	100
35) Trichloroethene	9.10	95	96307	23.960	ug/L	99
36) Methylcyclohexane	9.34	83	154205	22.063	ug/L	98
40) 1,2-Dichloropropane	9.37	63	95599	26.109	ug/L	99
41) Bromodichloromethane	9.65	83	133979	26.026	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	144867	23.958	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	131685	44.071	ug/L	99
44) Toluene	10.39	91	412628	24.576	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	135679	24.098	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76140	24.920	ug/L	99
47) Tetrachloroethene	10.87	164	82439	23.280	ug/L	95
49) 2-Hexanone	10.98	43	95988	45.765	ug/L	100
50) Dibromochloromethane	11.13	129	98904	25.811	ug/L	98
51) 1,2-Dibromoethane	11.24	107	73448	24.865	ug/L	91
52) Chlorobenzene	11.66	112	273222	24.736	ug/L	97
53) Ethylbenzene	11.74	91	473960	24.654	ug/L	100
54) m,p-Xylene	11.85	106	178317	24.621	ug/L	96
55) o-xylene	12.17	106	174265	25.528	ug/L	97
56) Styrene	12.19	104	314964	26.291	ug/L	99
57) Isopropylbenzene	12.47	105	479725	24.604	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	97123	24.919	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	73650	23.278	ug/L	97
62) Bromoform	12.35	173	62811	25.529	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	211618	24.078	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	235858	25.698	ug/L	91
65) 1,2-Dichlorobenzene	13.88	146	220803	26.110	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	18747	23.315	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	177426	24.598	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	149336	25.203	ug/L	99
69) Naphthalene	15.38	128	296671	24.987	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	143674	25.872	ug/L	100

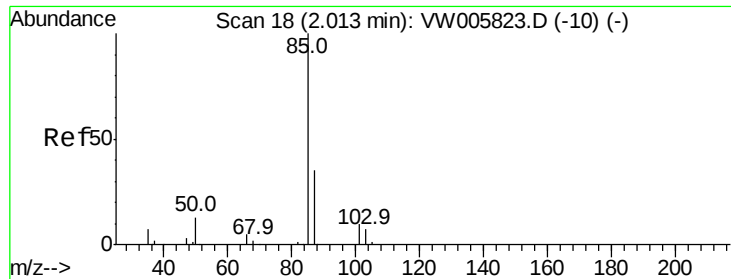
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.612 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

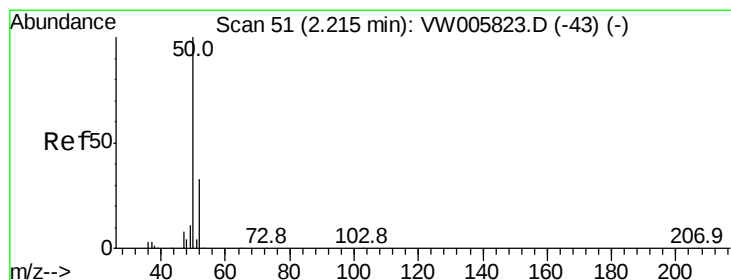
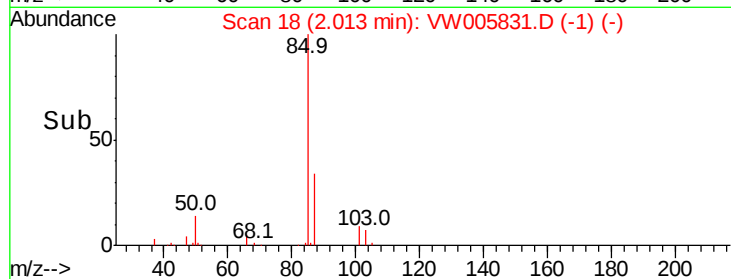
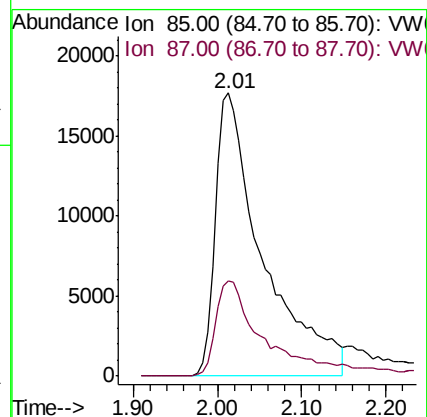
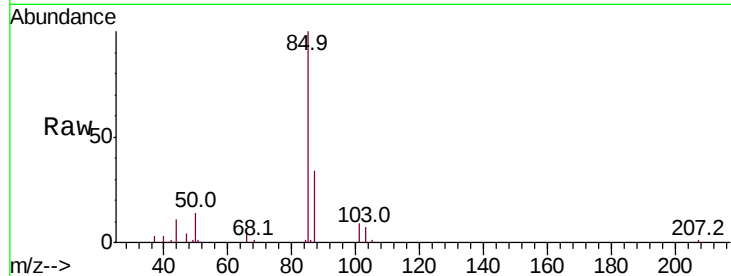
ClientSampled :

Tot Ion: 85 Resp: 68438

Ion Ratio Lower Upper

85 100

87 25.1 19.2 35.6



#3

Chloromethane

Concen: 19.141 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005831.D

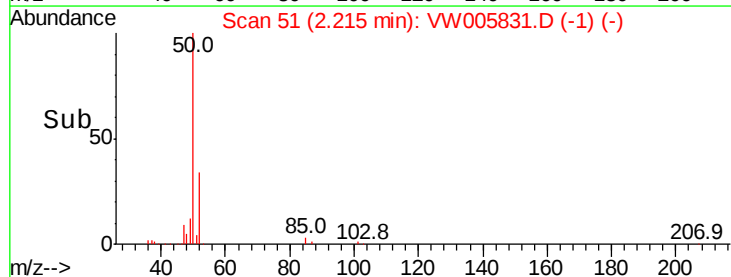
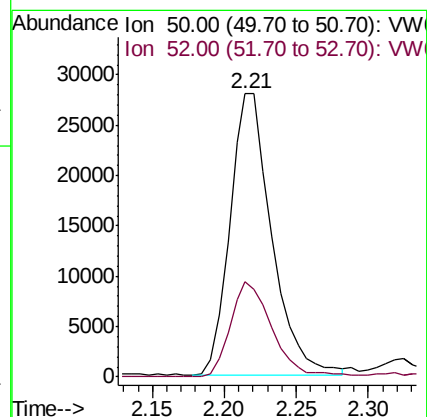
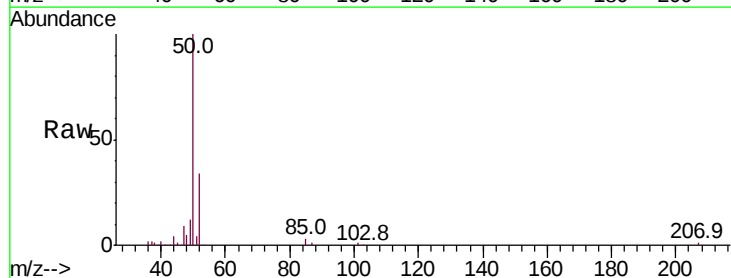
Acq: 04 Oct 2018 00:11

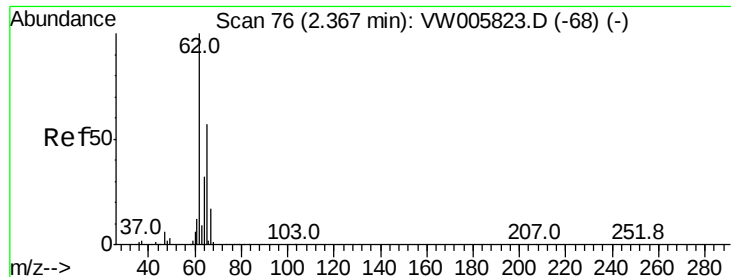
Tgt Ion: 50 Resp: 56462

Ion Ratio Lower Upper

50 100

52 33.8 23.4 43.4





#5

Vinyl chloride

Concen: 21.654 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

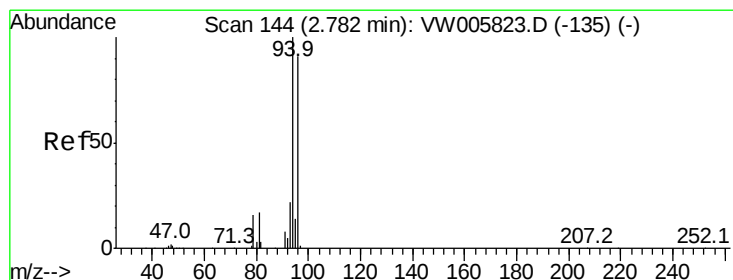
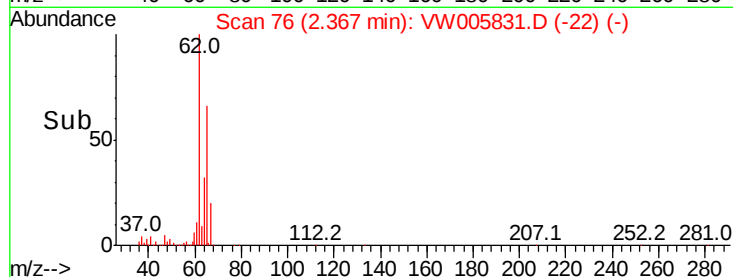
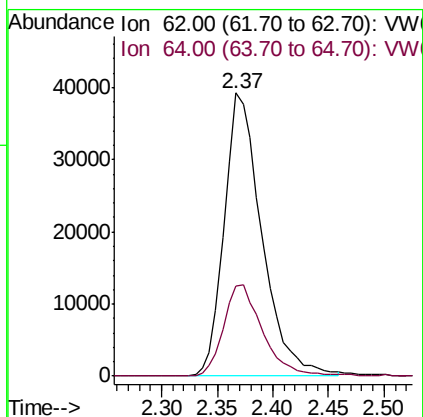
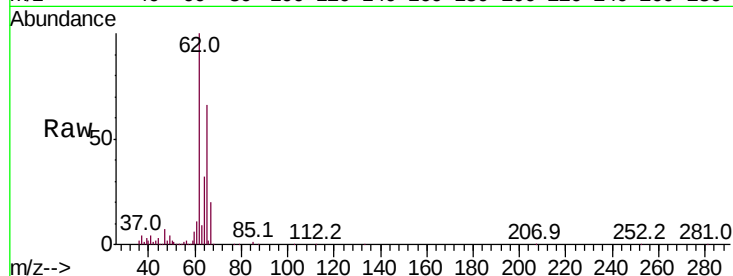
ClientSampled :

Tot Ion: 62 Resp: 92102

Ion Ratio Lower Upper

62 100

64 32.0 24.1 44.7



#6

Bromomethane

Concen: 22.191 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005831.D

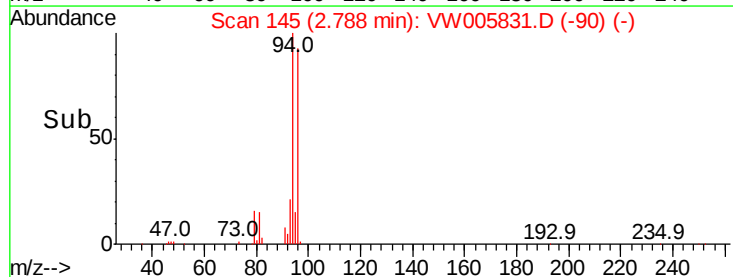
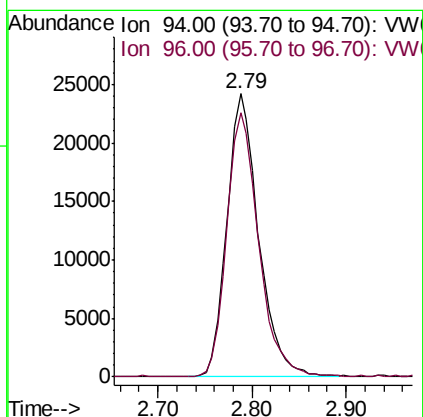
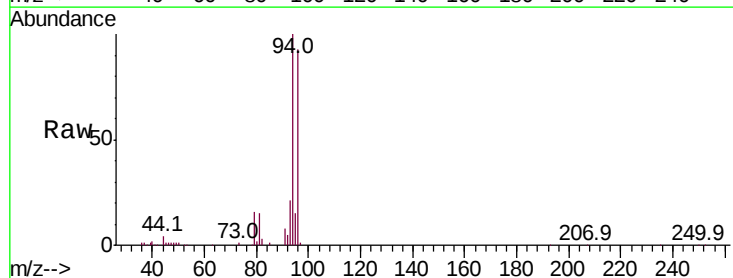
Acq: 04 Oct 2018 00:11

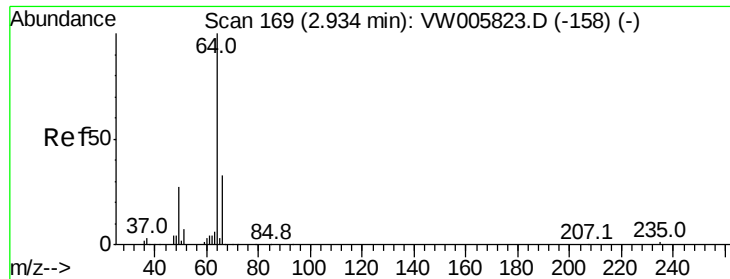
Tgt Ion: 94 Resp: 56788

Ion Ratio Lower Upper

94 100

96 94.2 9.6 181.6





#8

Chloroethane

Concen: 22.721 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

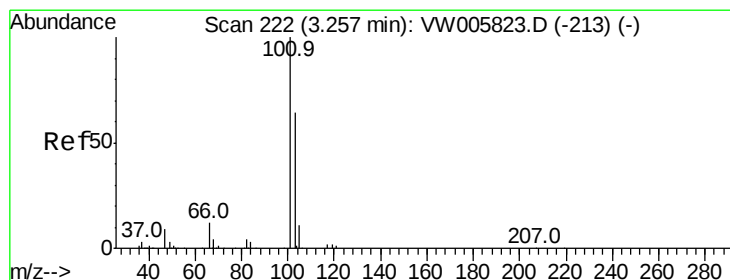
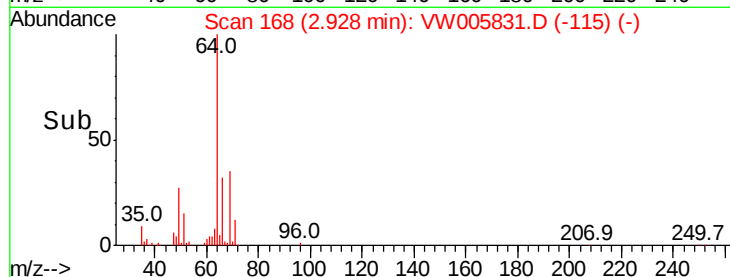
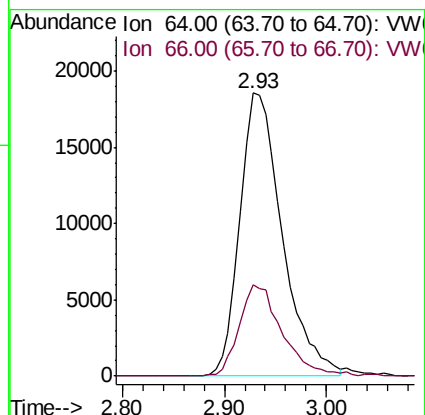
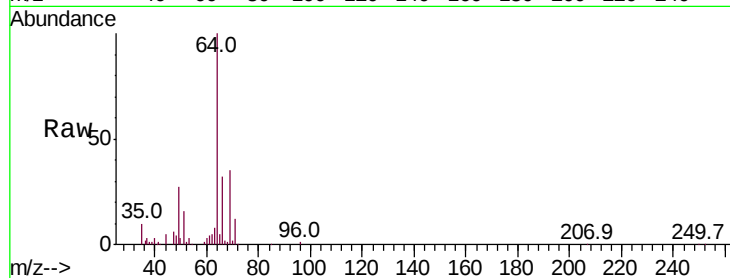
ClientSampleId :

Tot Ion: 64 Resp: 53733

Ion Ratio Lower Upper

64 100

66 32.3 21.1 39.3



#9

Trichlorofluoromethane

Concen: 19.002 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005831.D

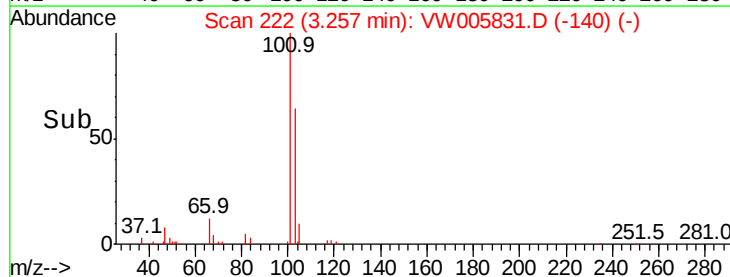
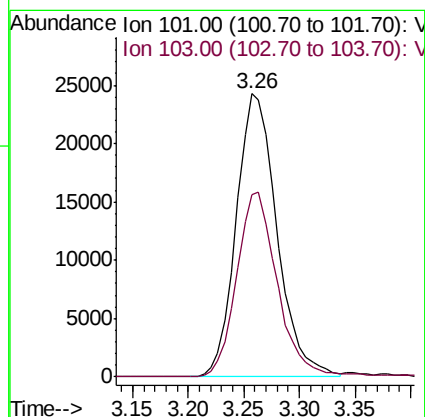
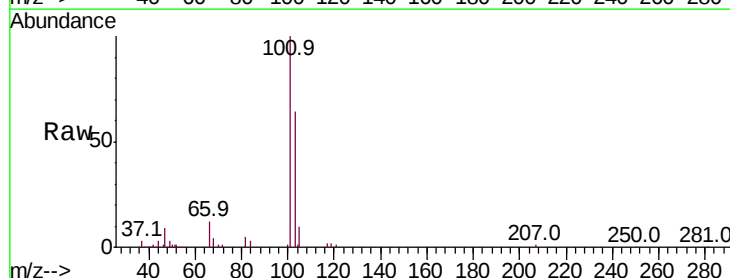
Acq: 04 Oct 2018 00:11

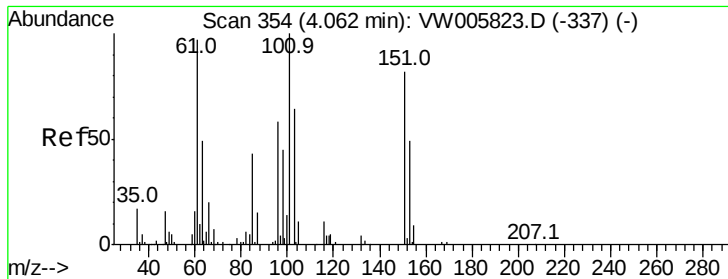
Tgt Ion: 101 Resp: 61754

Ion Ratio Lower Upper

101 100

103 65.3 44.9 83.5





#11

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

Concen: 23.788 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005831.D

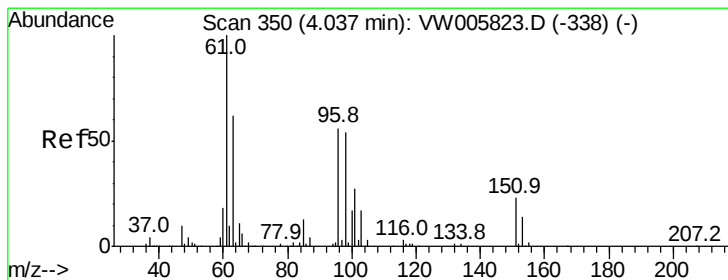
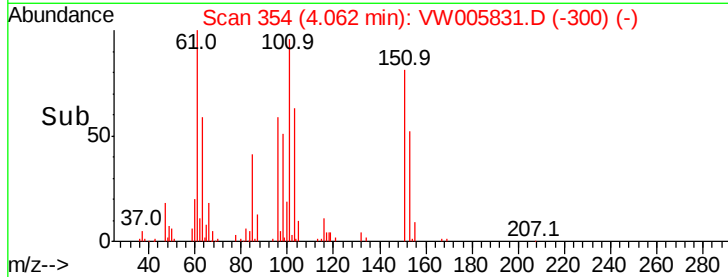
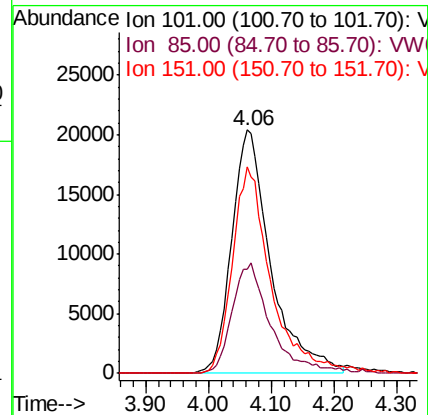
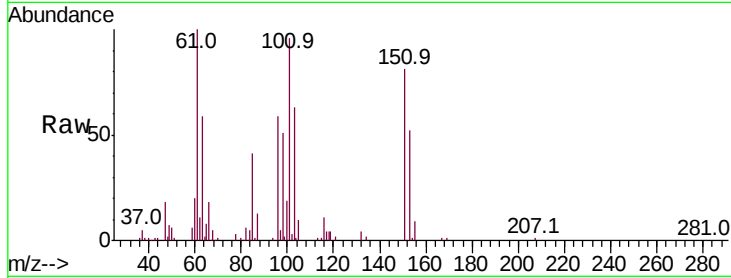
Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	87332
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.0	52.4
151	81.5	66.4	99.6



#12

1,1-Dichloroethene

Concen: 22.578 ug/L

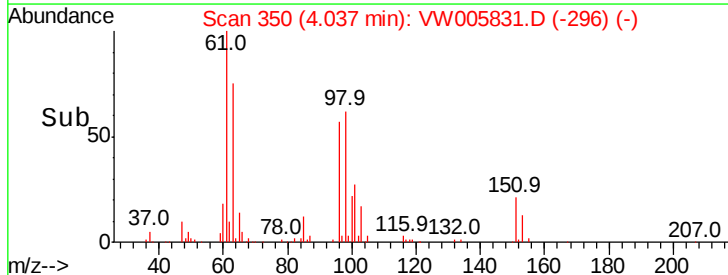
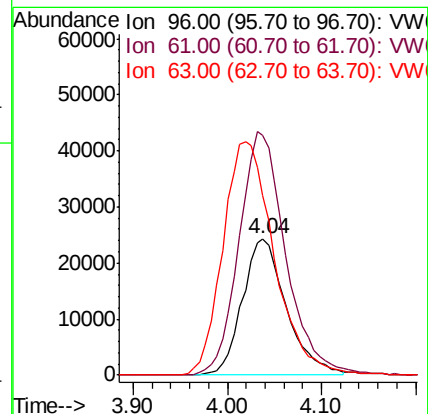
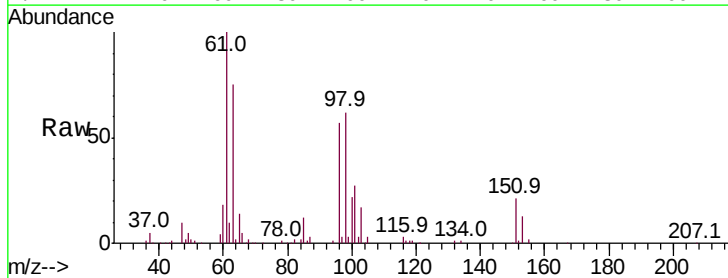
RT: 4.04 min Scan# 350

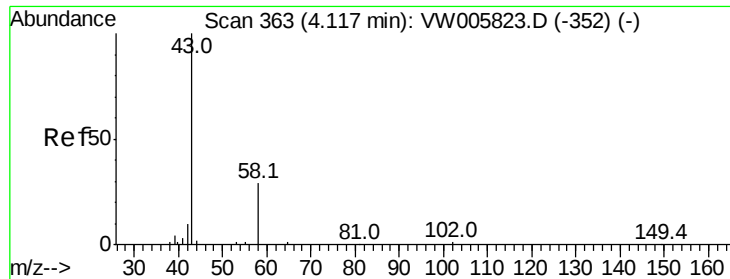
Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Tgt Ion:	96	Resp:	79166
Ion	Ratio	Lower	Upper
96	100		
61	175.7	121.4	225.6
63	131.6	87.2	161.9





#13

Acetone

Concen: 35.345 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

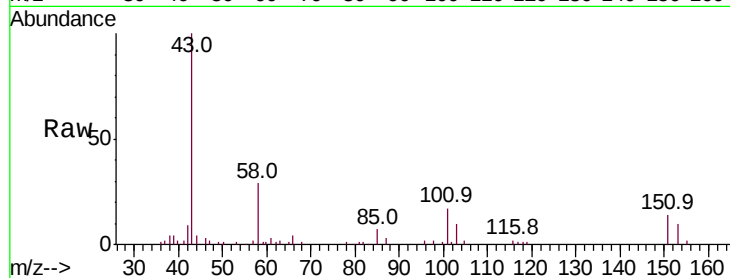
ClientSampleId :

Tot Ion: 43 Resp: 40679

Ion Ratio Lower Upper

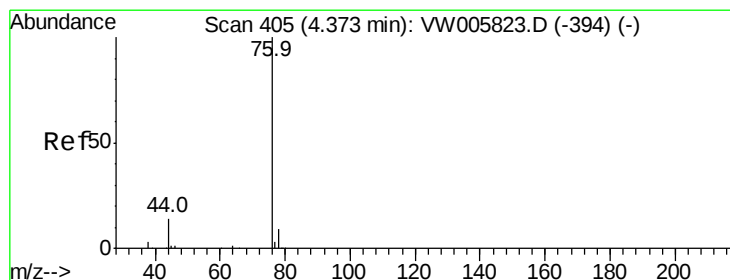
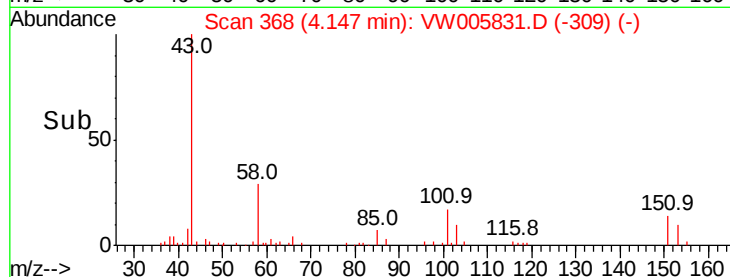
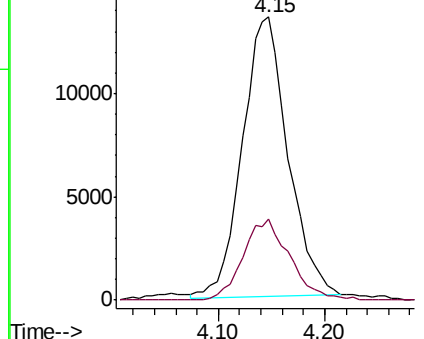
43 100

58 29.4 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 20.884 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005831.D

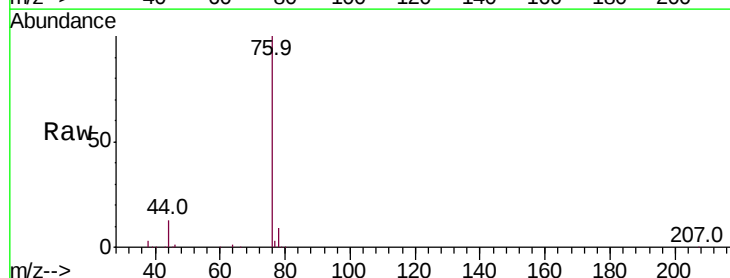
Acq: 04 Oct 2018 00:11

Tgt Ion: 76 Resp: 229600

Ion Ratio Lower Upper

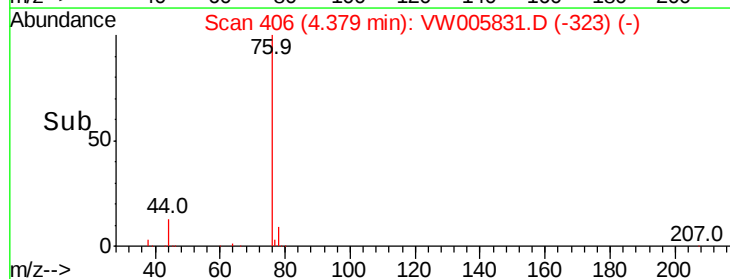
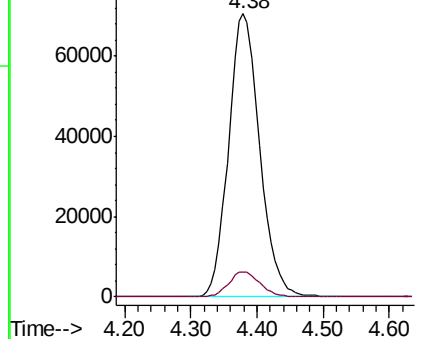
76 100

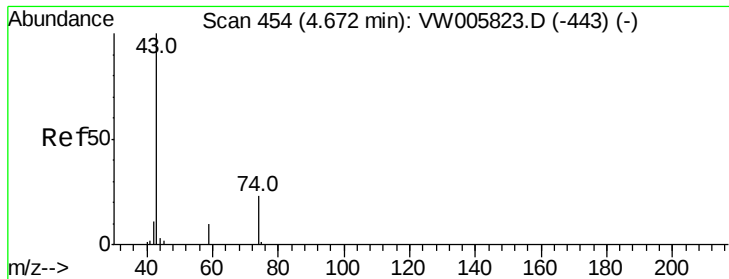
78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 23.043 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

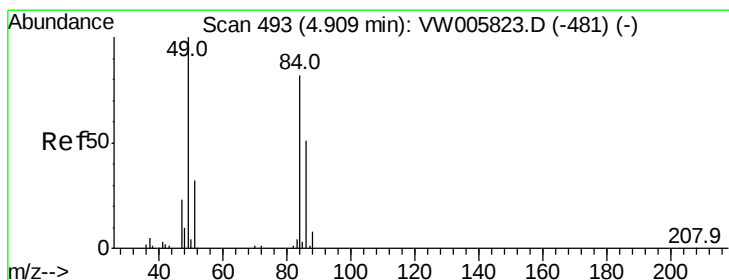
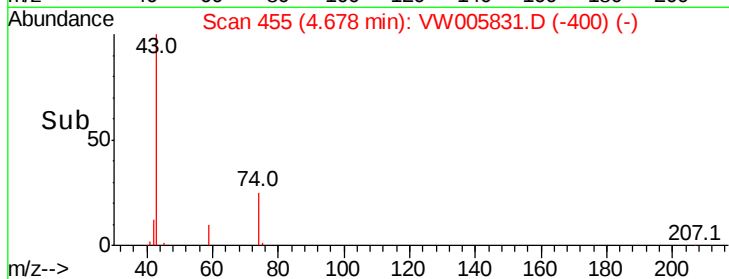
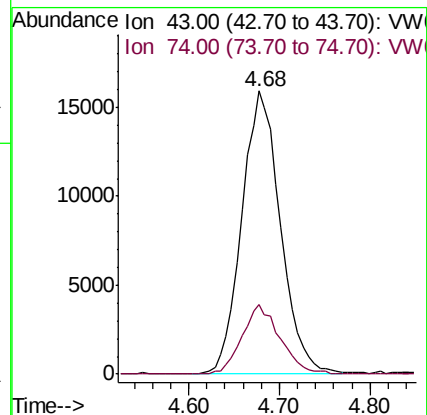
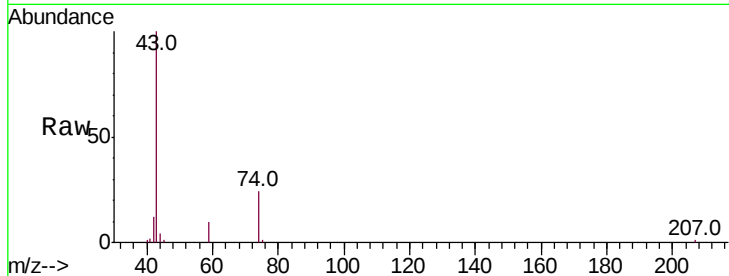
ClientSampleId :

Tot Ion: 43 Resp: 47065

Ion Ratio Lower Upper

43 100

74 23.9 19.5 29.3



#16

Methylene chloride

Concen: 23.044 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

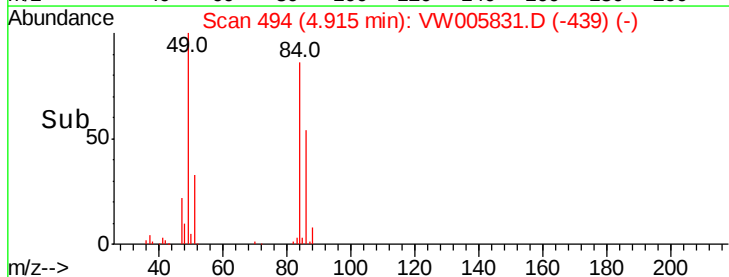
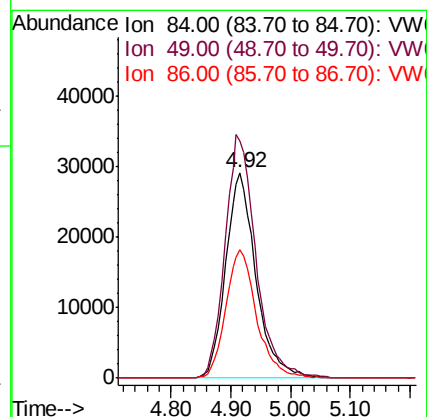
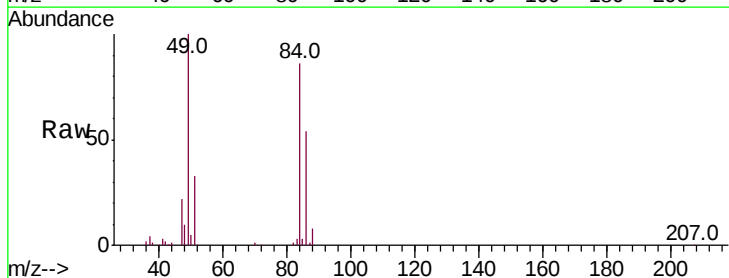
Tgt Ion: 84 Resp: 102610

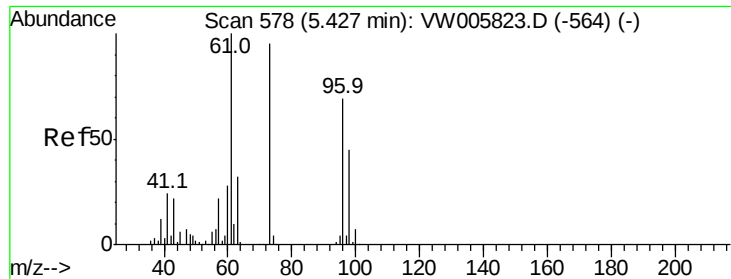
Ion Ratio Lower Upper

84 100

49 115.6 87.2 162.0

86 62.4 43.2 80.2

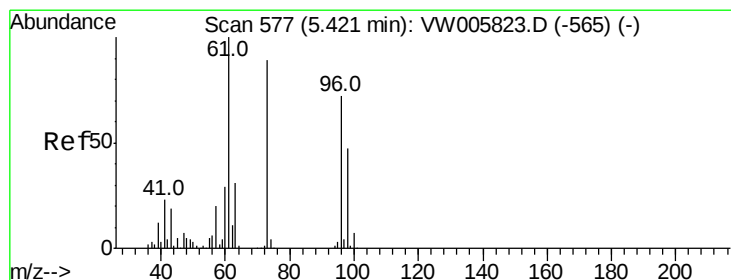
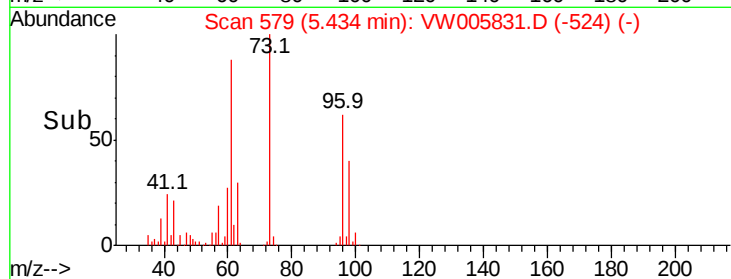
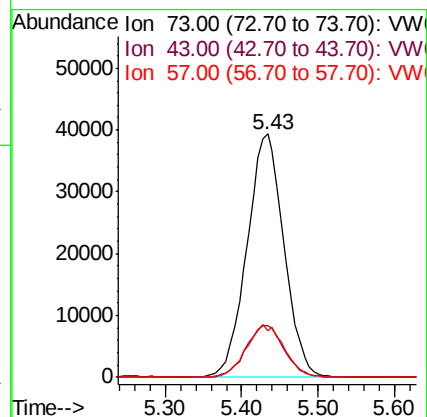
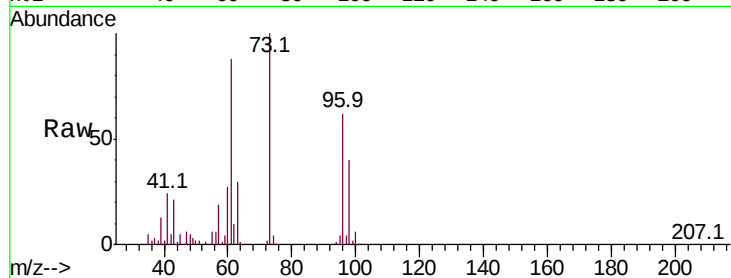




#17
Methvl tert-butvl Ether
Concen: 23.725 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005831.D
Acq: 04 Oct 2018 00:11

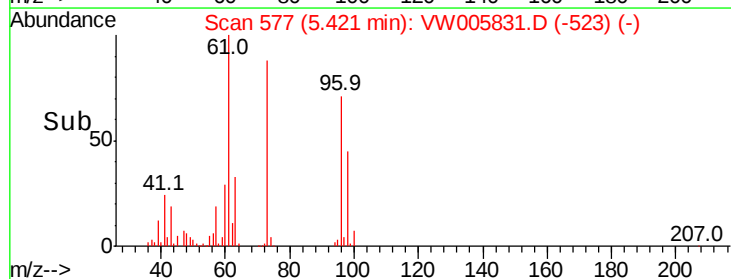
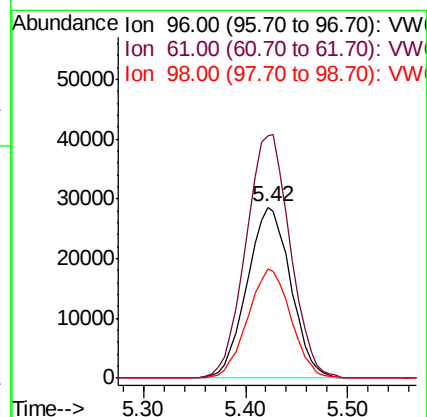
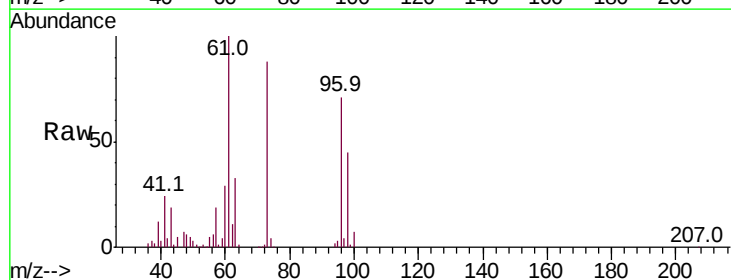
Instrument :
MSVOA_W
ClientSampleId :

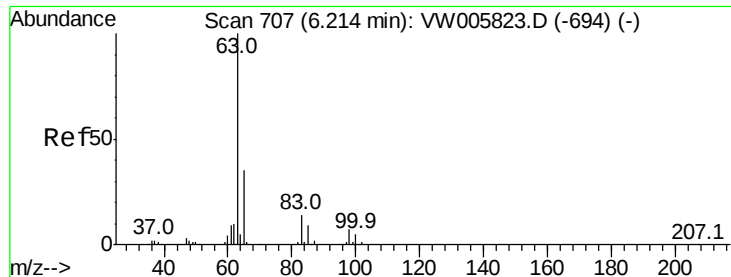
Tot Ion: 73 Resp: 132366
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 21.9 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 23.597 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005831.D
Acq: 04 Oct 2018 00:11

Tgt Ion: 96 Resp: 85093
Ion Ratio Lower Upper
96 100
61 141.6 98.6 183.2
98 64.0 43.7 81.1





#19

1,1-Dichloroethane

Concen: 25.042 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

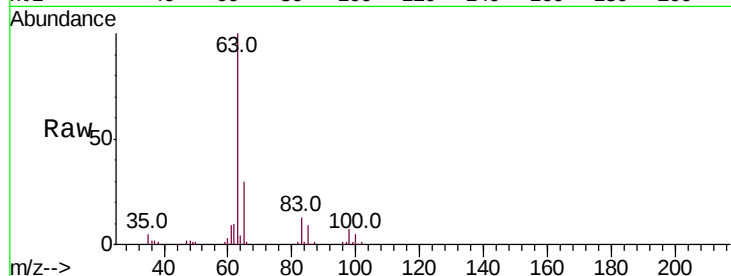
Tot Ion: 63 Resp: 167102

Ion Ratio Lower Upper

63 100

65 29.8 21.8 40.4

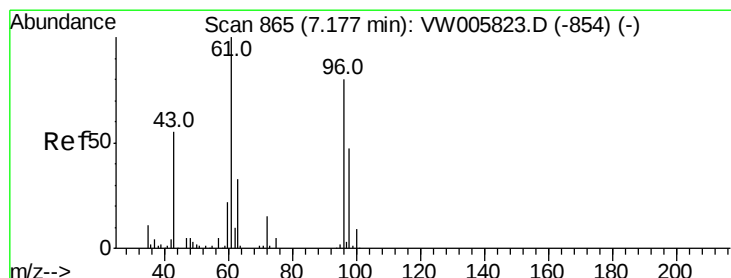
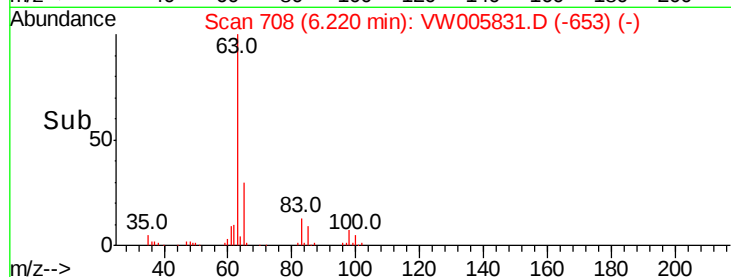
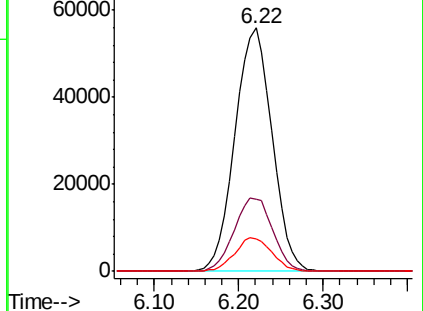
83 13.1 9.7 18.1



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: 43.525 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005831.D

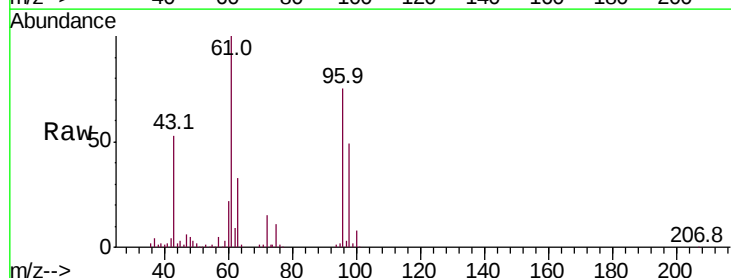
Acq: 04 Oct 2018 00:11

Tgt Ion: 43 Resp: 59993

Ion Ratio Lower Upper

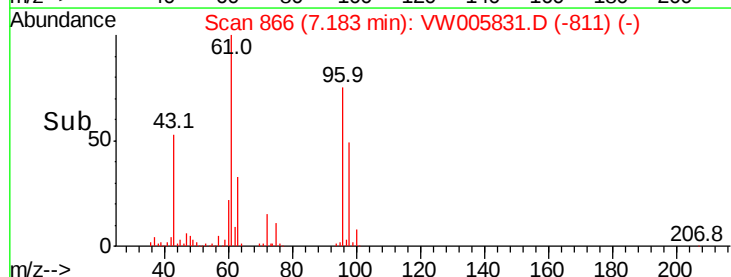
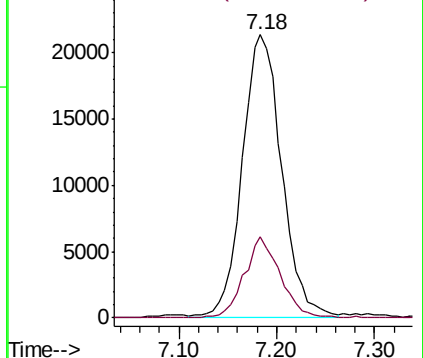
43 100

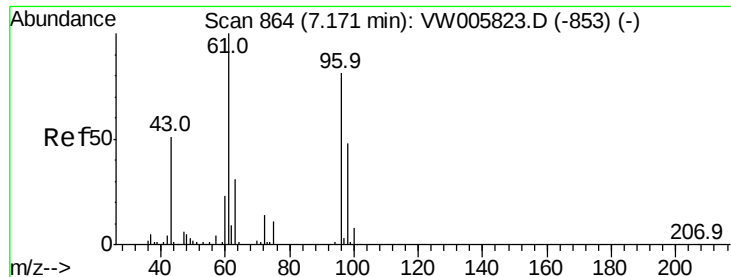
72 25.8 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



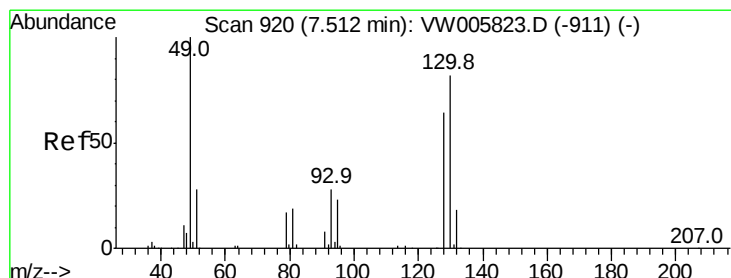
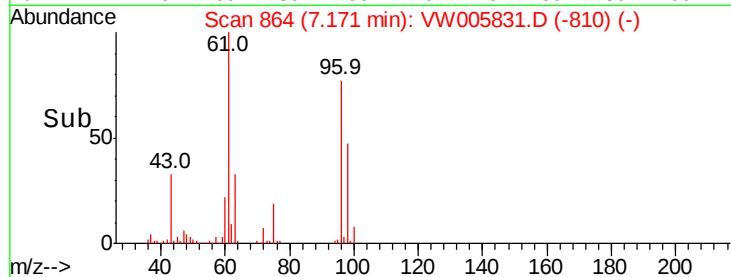
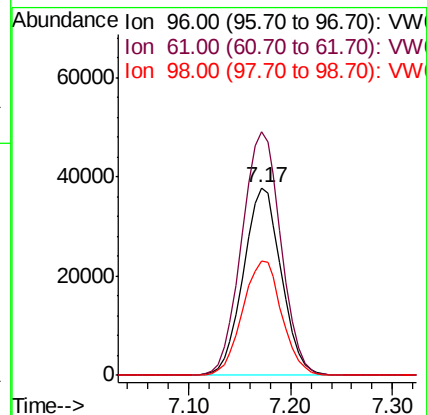
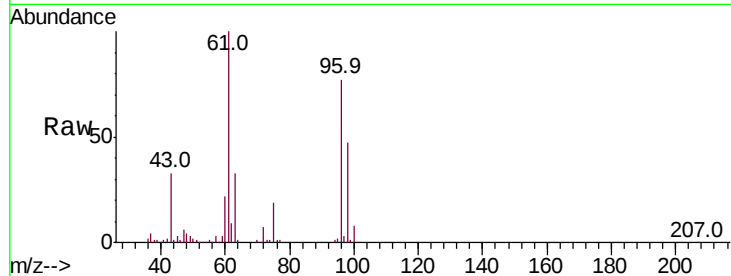


#22

cis-1,2-Dichloroethene
Concen: 24.901 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005831.D
Acq: 04 Oct 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :

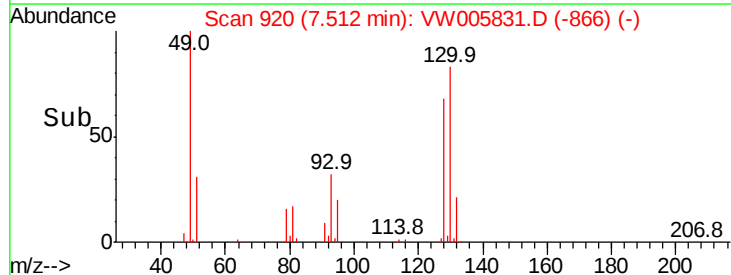
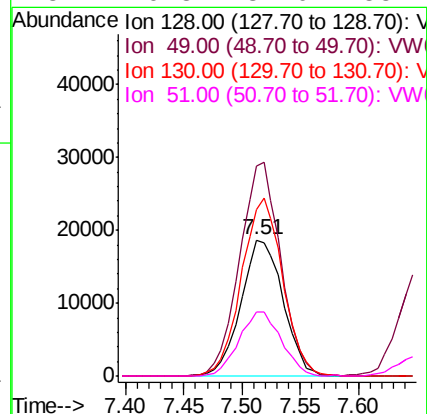
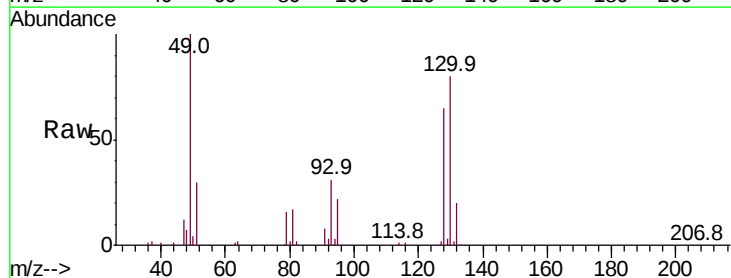
Tot Ion: 96 Resp: 97606
Ion Ratio Lower Upper
96 100
61 129.8 95.7 177.7
98 60.6 44.1 81.9

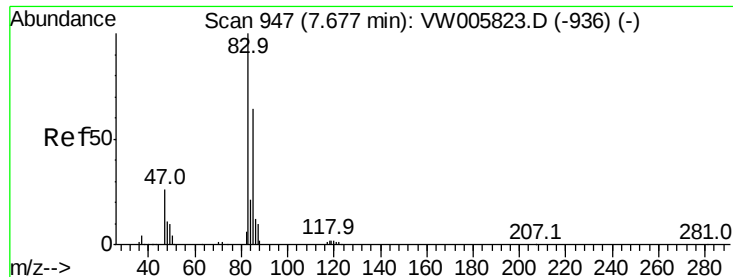


#23

Bromochloromethane
Concen: 25.795 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW005831.D
Acq: 04 Oct 2018 00:11

Tgt Ion: 128 Resp: 46927
Ion Ratio Lower Upper
128 100
49 154.2 108.1 200.7
130 122.7 89.3 165.9
51 46.8 37.0 55.4





#25

Chloroform

Concen: 26.151 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

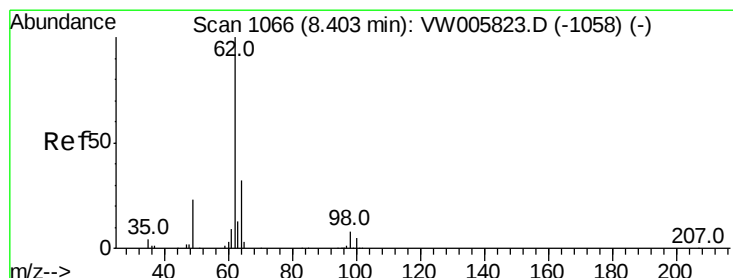
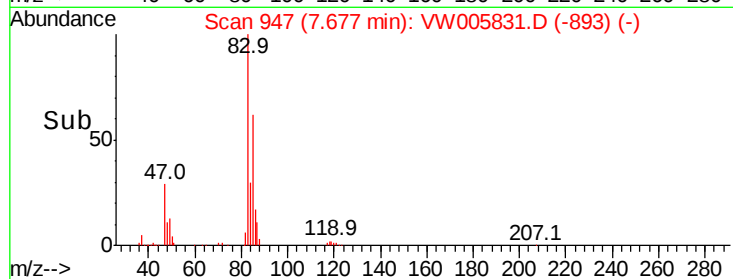
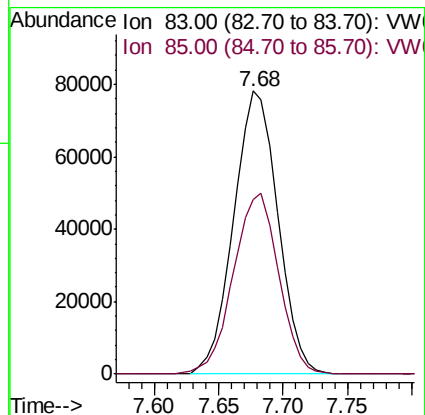
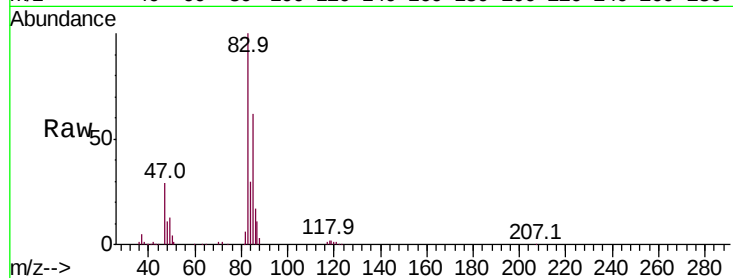
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 186699

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.075 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005831.D

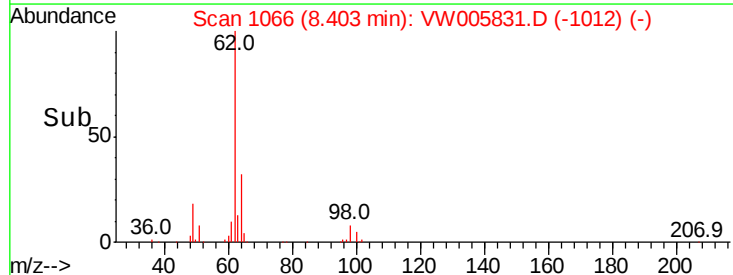
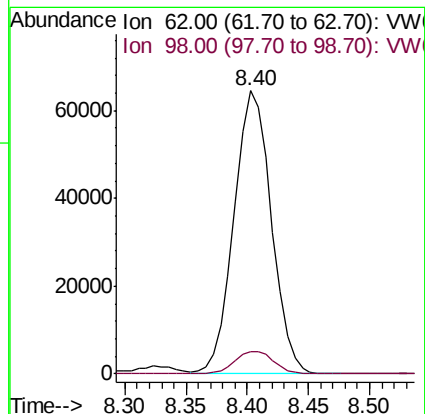
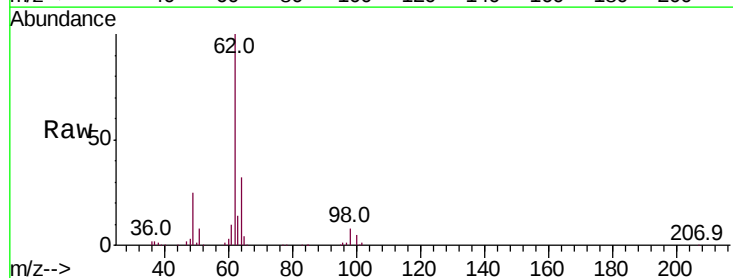
Acq: 04 Oct 2018 00:11

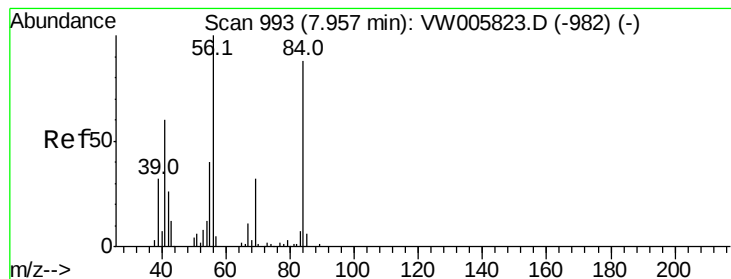
Tgt Ion: 62 Resp: 137066

Ion Ratio Lower Upper

62 100

98 7.9 6.2 9.2





#30

Cyclohexane

Concen: 22.046 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :
MSVOA_W
ClientSampleId :

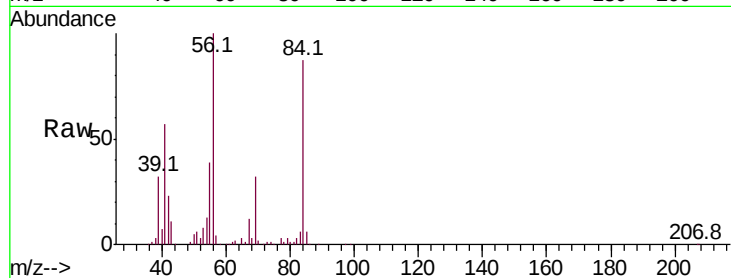
Tot Ion: 56 Resp: 132866

Ion Ratio Lower Upper

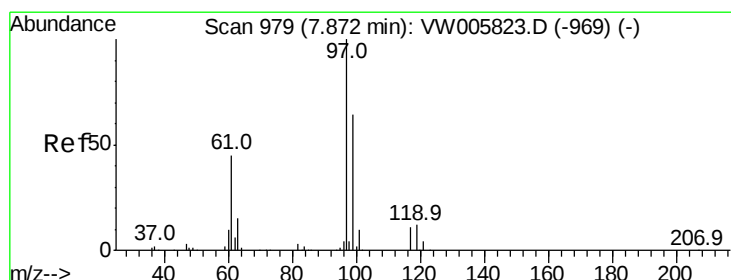
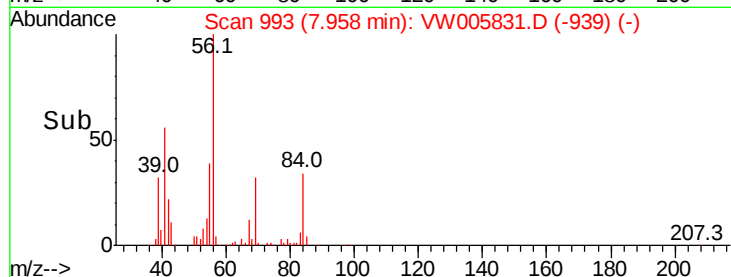
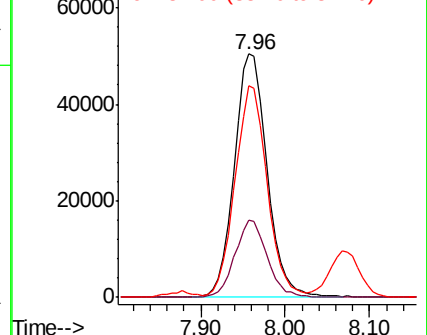
56 100

69 31.0 25.0 37.6

84 85.4 70.2 105.2



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



#31

1,1,1-Trichloroethane

Concen: 23.576 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

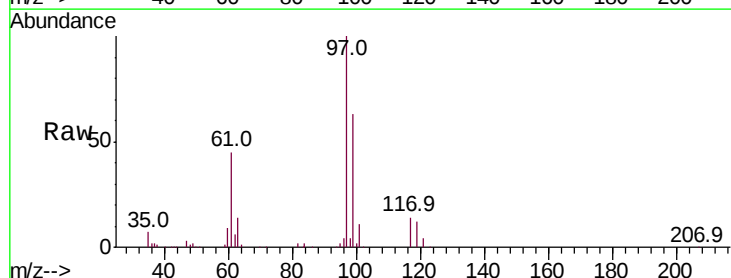
Tgt Ion: 97 Resp: 153519

Ion Ratio Lower Upper

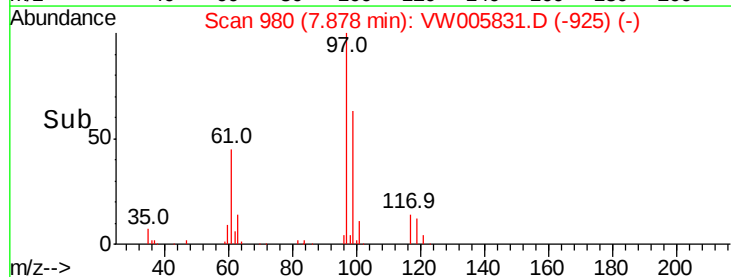
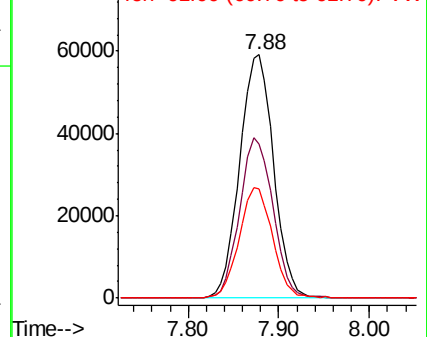
97 100

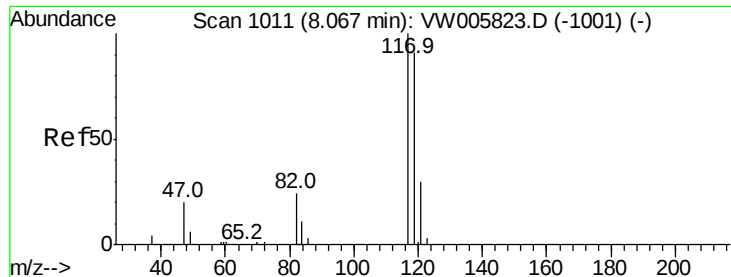
99 65.0 51.8 77.8

61 44.7 35.4 53.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.196 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

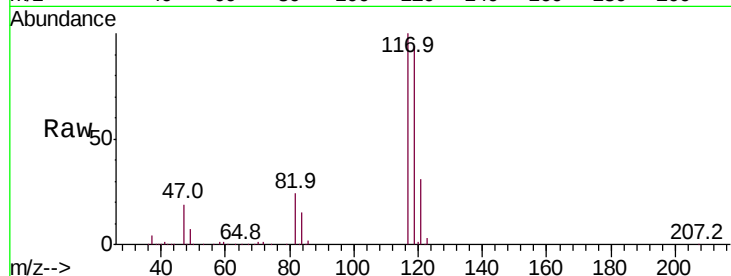
ClientSampleId :

Tot Ion:117 Resp: 147090

Ion Ratio Lower Upper

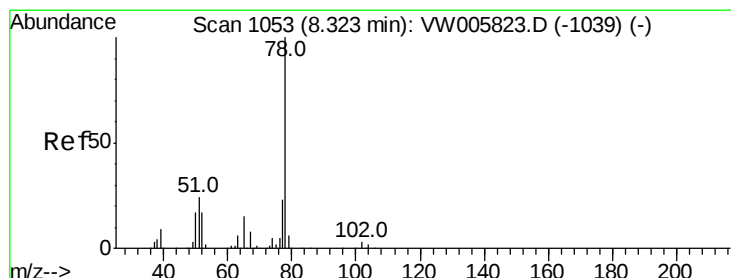
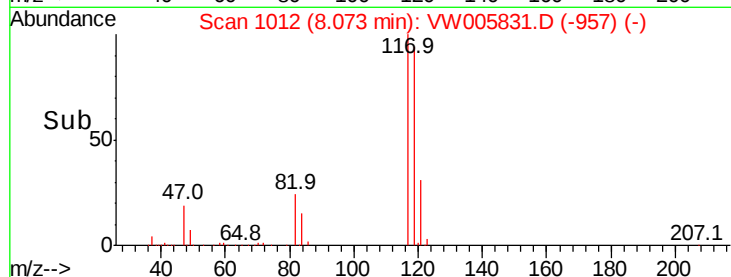
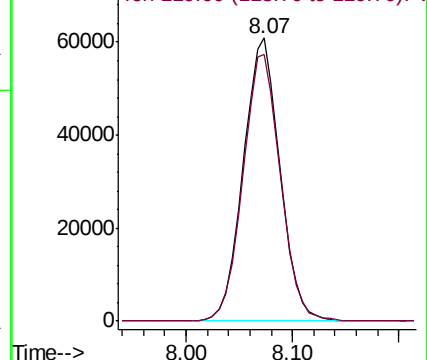
117 100

119 96.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.349 ug/L

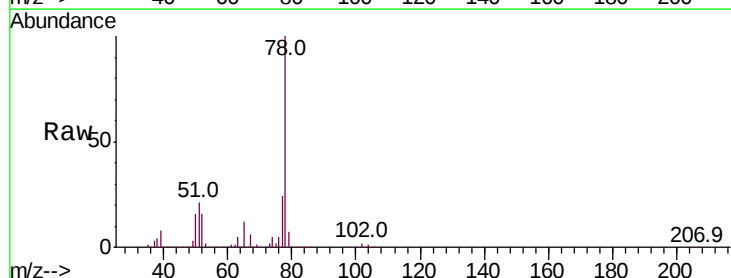
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

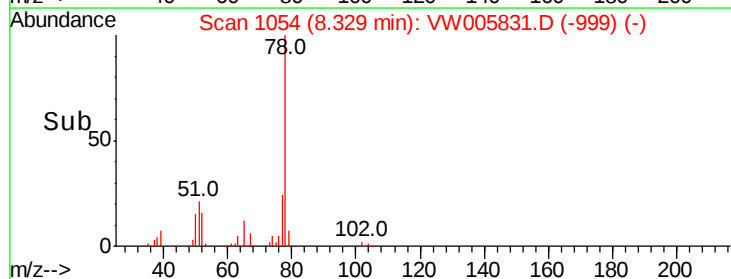
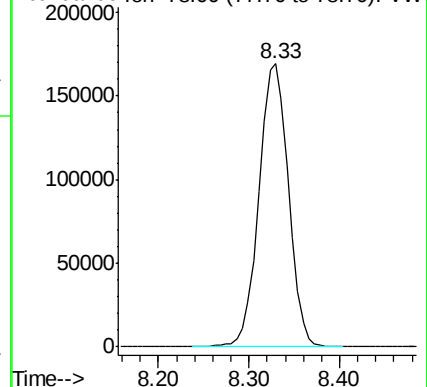
Lab File: VW005831.D

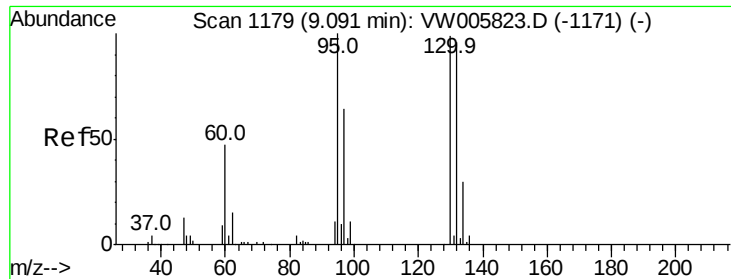
Acq: 04 Oct 2018 00:11

Tgt Ion: 78 Resp: 380855



Abundance Ion 78.00 (77.70 to 78.70): VW



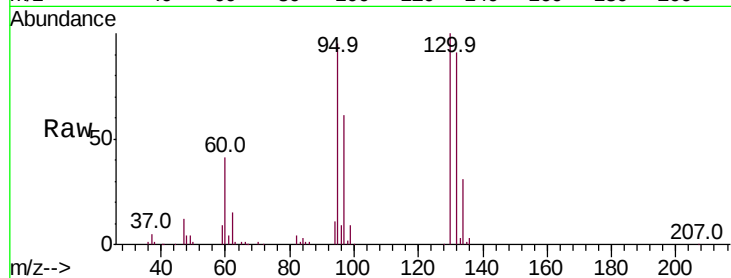


#35
 Trichloroethene
 Concen: 23.960 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

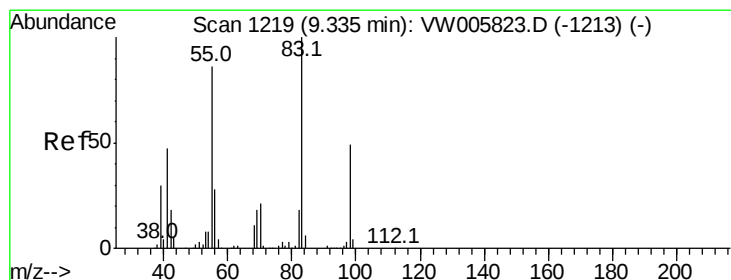
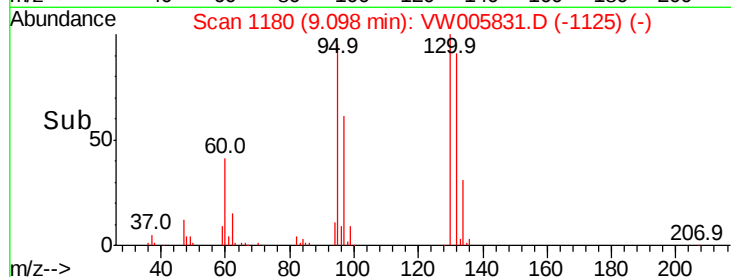
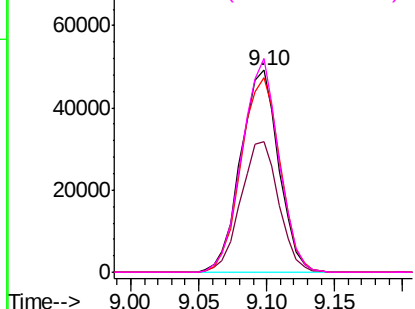
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 96307

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.2	84.0
132	98.7	68.0	126.4
130	102.7	71.3	132.5



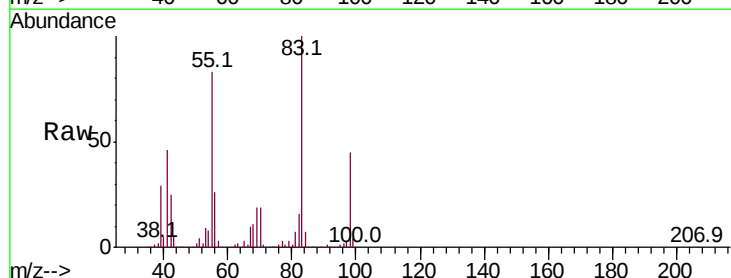
Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



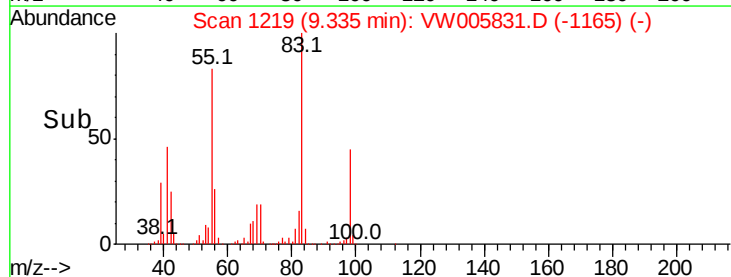
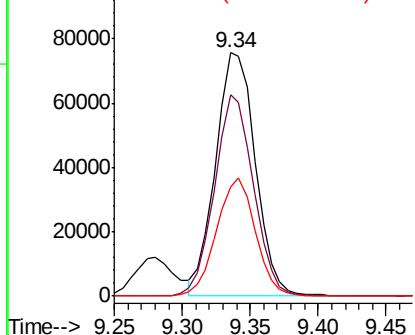
#36
 Methylcyclohexane
 Concen: 22.063 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

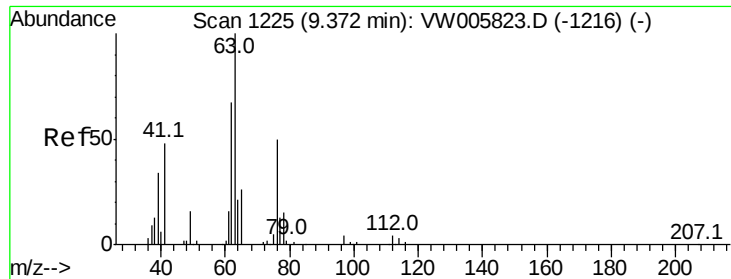
Tgt Ion: 83 Resp: 154205

Ion	Ratio	Lower	Upper
83	100		
55	80.4	62.5	93.7
98	47.3	37.7	56.5



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

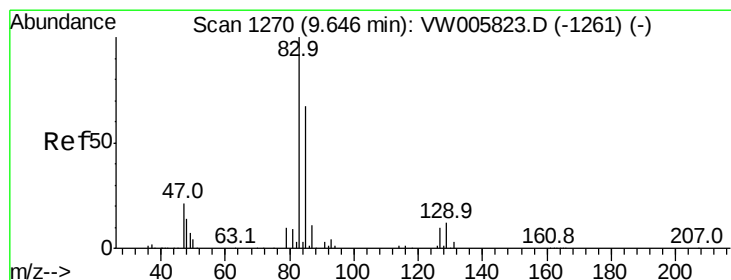
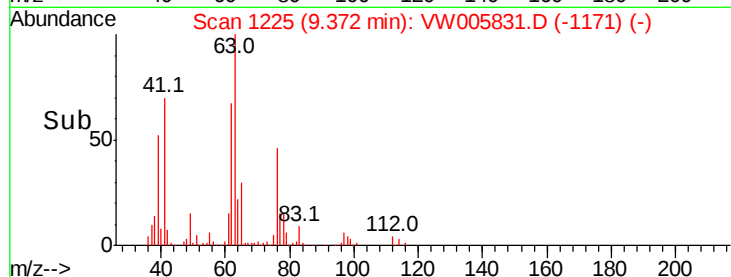
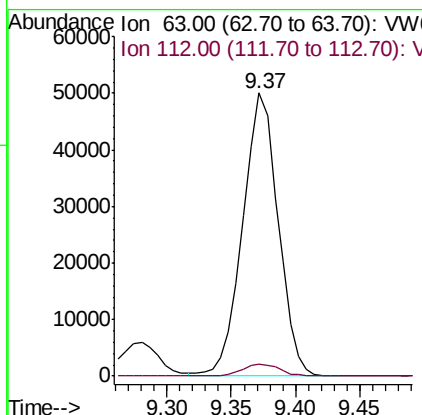
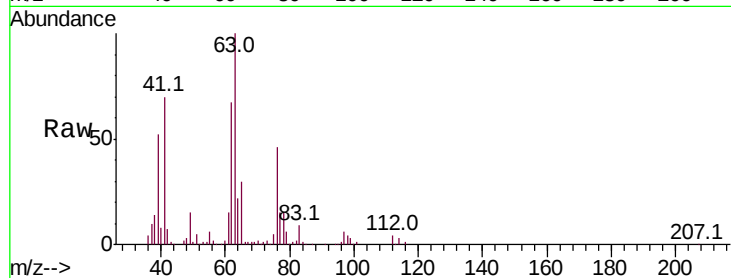




#40
 1,2-Dichloropropane
 Concen: 26.109 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

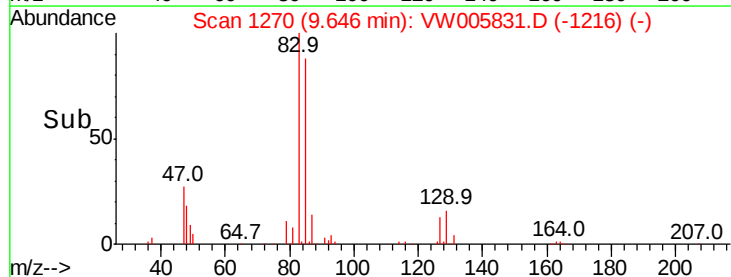
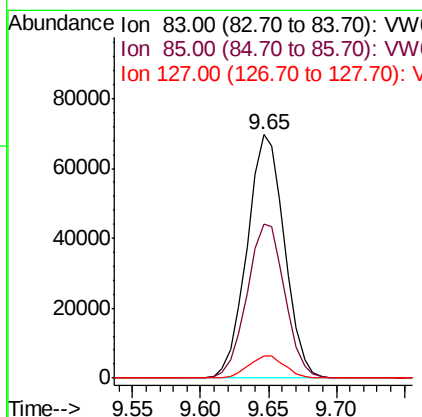
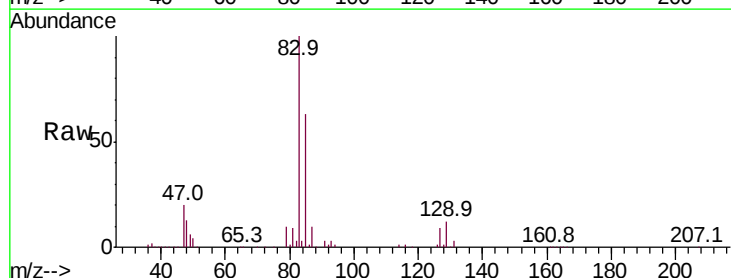
Instrument :
 MSVOA_W
 ClientSampled :

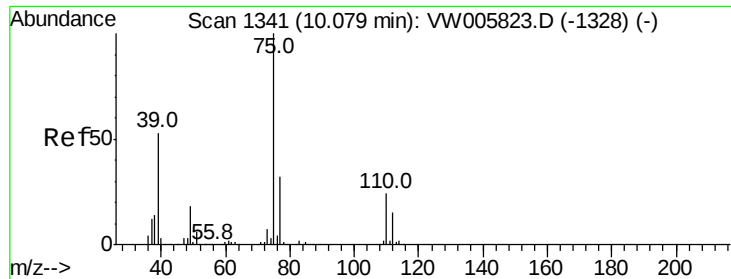
Tot Ion: 63 Resp: 95599
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#41
 Bromodichloromethane
 Concen: 26.026 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

Tgt Ion: 83 Resp: 133979
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.1 81.9
 127 9.2 7.5 11.3

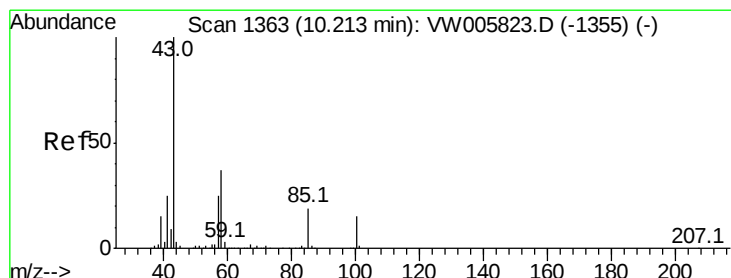
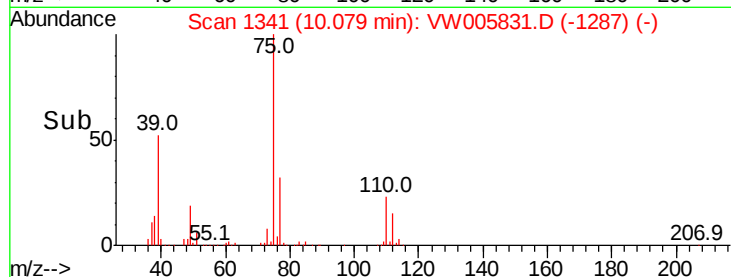
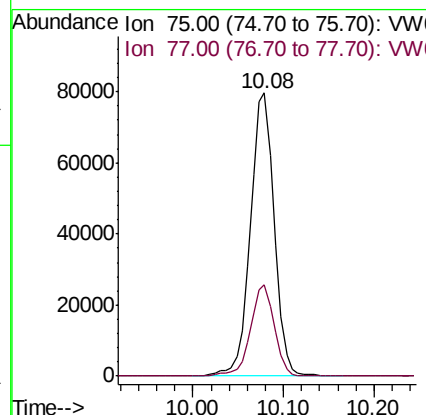
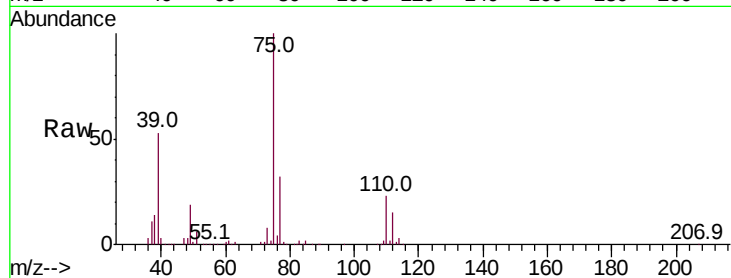




#42
 cis-1,3-Dichloropropene
 Concen: 23.958 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

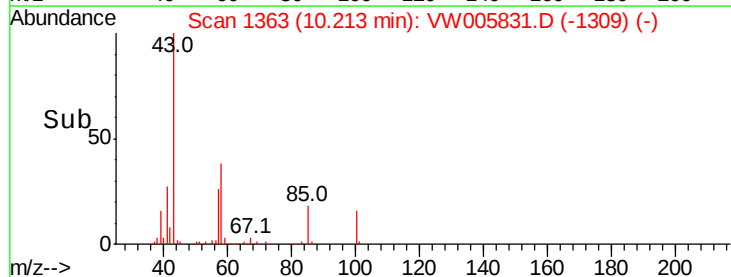
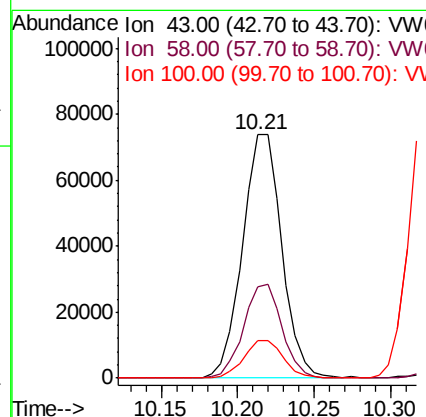
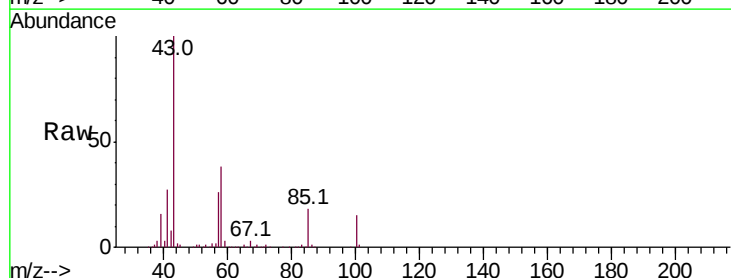
Instrument :
 MSVOA_W
 ClientSampled :

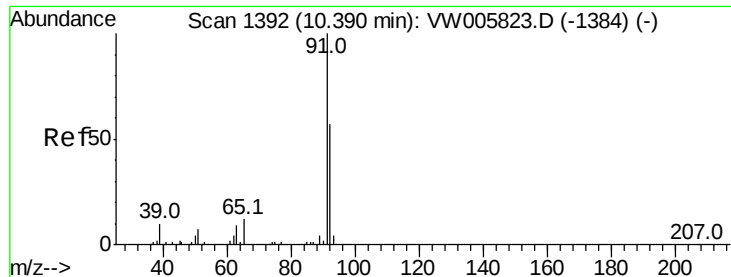
Tot Ion: 75 Resp: 144867
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 44.071 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

Tgt Ion: 43 Resp: 131685
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.8 44.8
 100 15.5 12.2 18.4





#44

Toluene

Concen: 24.576 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

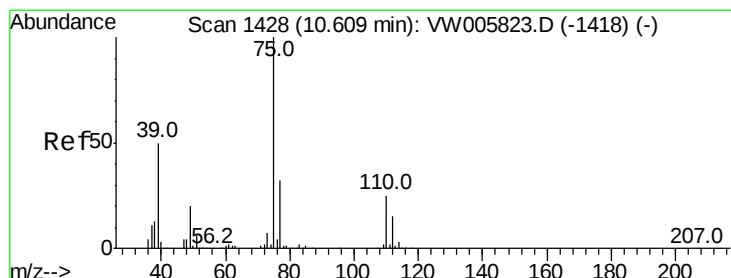
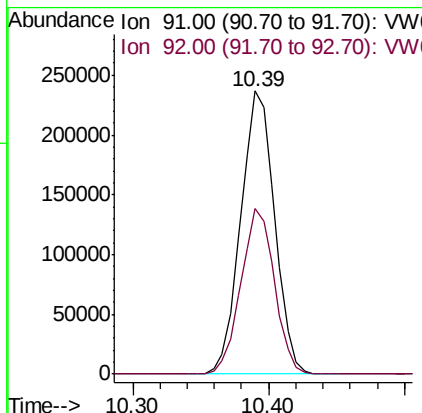
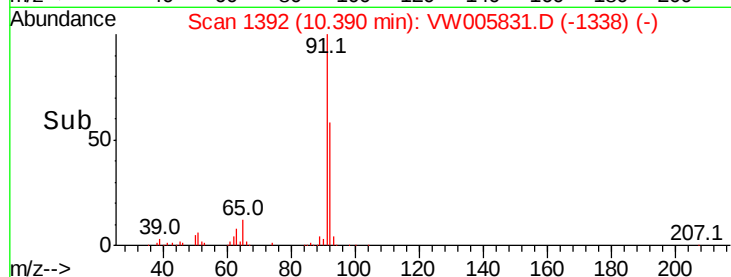
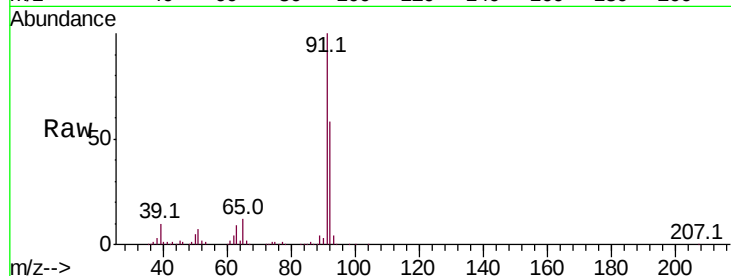
ClientSampled :

Tot Ion: 91 Resp: 412628

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.098 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005831.D

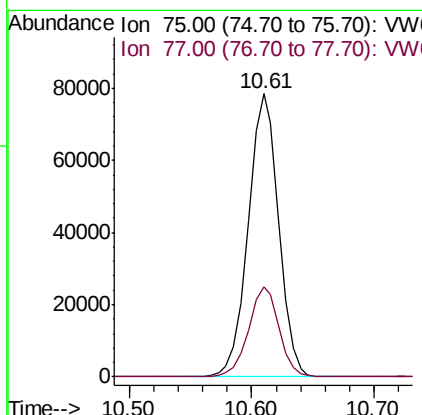
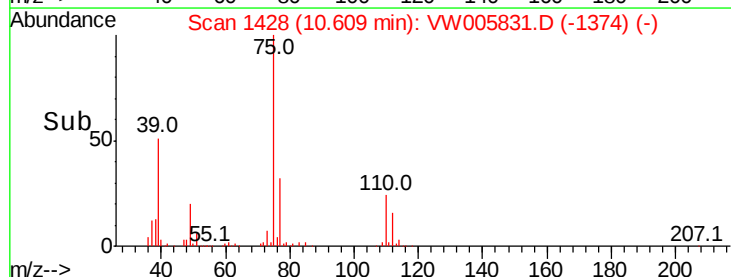
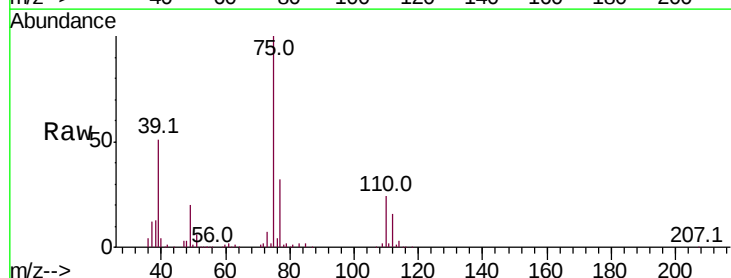
Acq: 04 Oct 2018 00:11

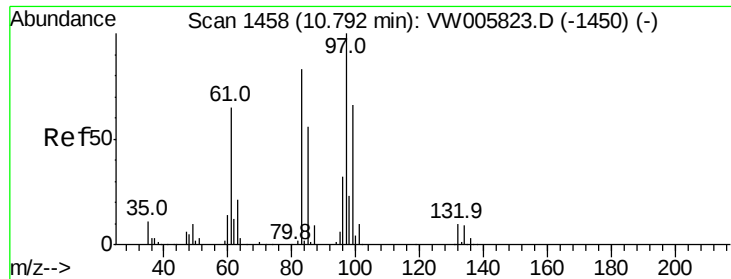
Tgt Ion: 75 Resp: 135679

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 24.920 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

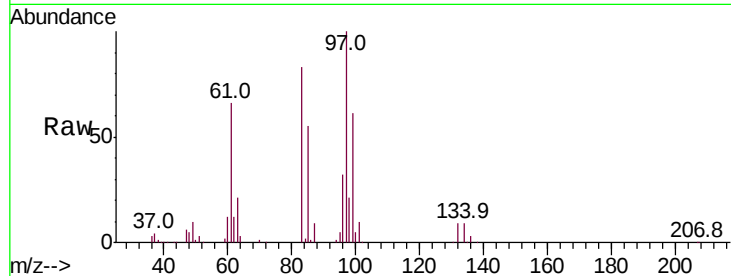
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 76140

Ion	Ratio	Lower	Upper
97	100		
83	82.6	58.3	108.3
85	54.9	38.0	70.6
99	61.3	42.8	79.4



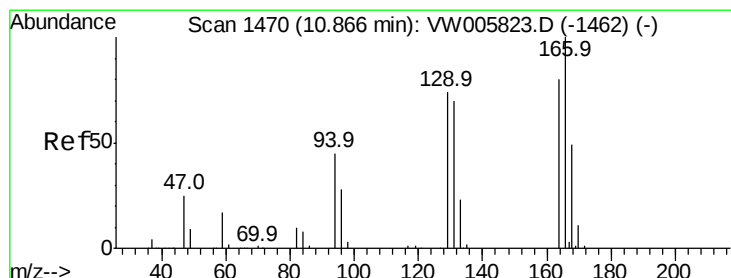
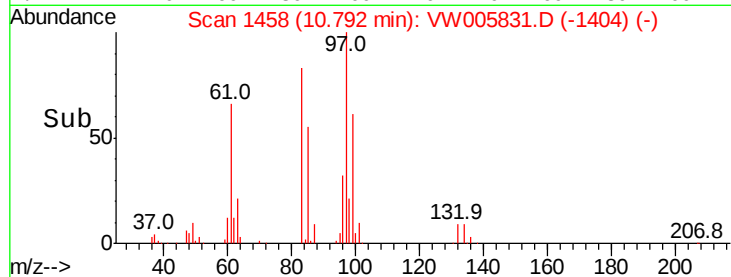
Abundance

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: 23.280 ug/L

RT: 10.87 min Scan# 1470

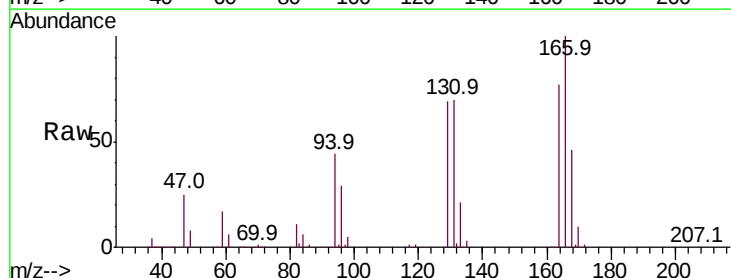
Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Tgt Ion: 164 Resp: 82439

Ion	Ratio	Lower	Upper
164	100		
129	89.0	63.8	118.4
131	90.8	61.5	114.3
166	129.5	83.2	154.6



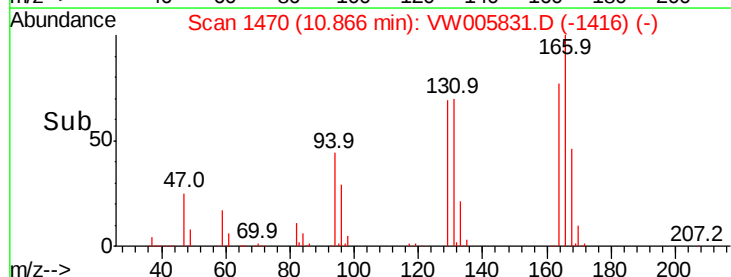
Abundance

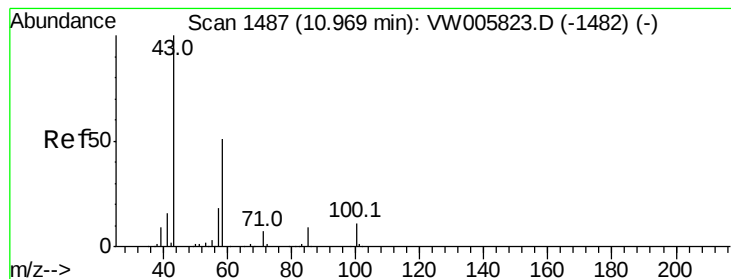
Ion 164.00 (163.70 to 164.70): V

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: 45.765 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 95988

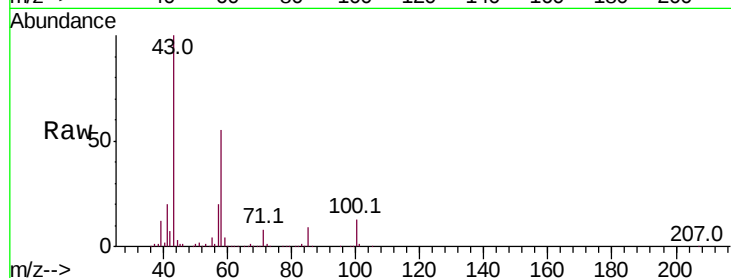
Ion Ratio Lower Upper

43 100

58 52.3 42.0 63.0

57 19.7 15.7 23.5

100 11.7 9.7 14.5

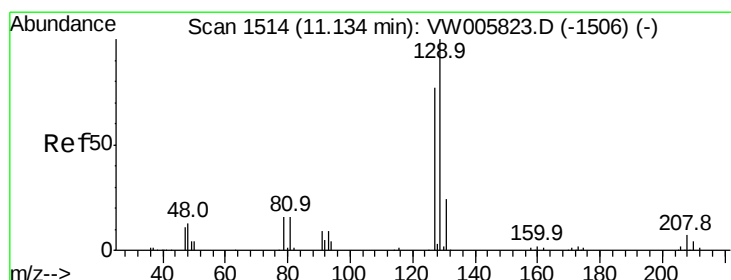
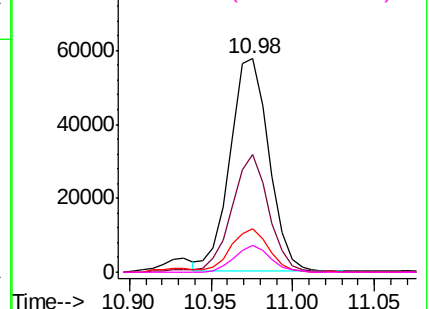
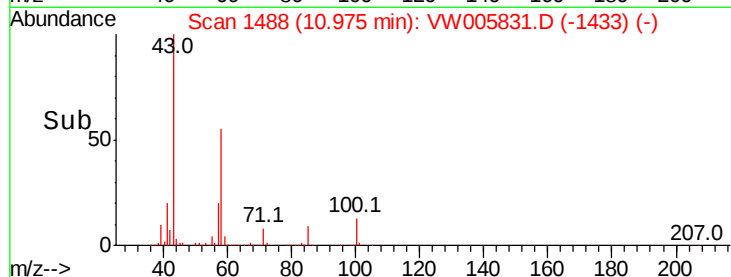


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.811 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005831.D

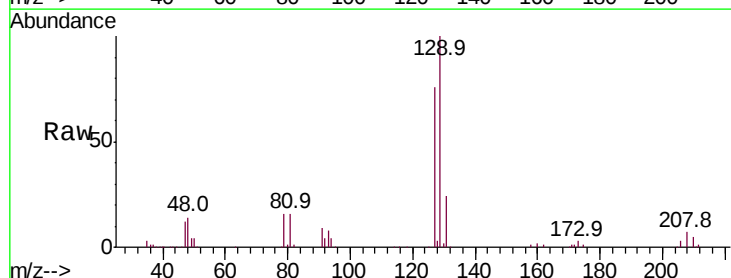
Acq: 04 Oct 2018 00:11

Tgt Ion: 129 Resp: 98904

Ion Ratio Lower Upper

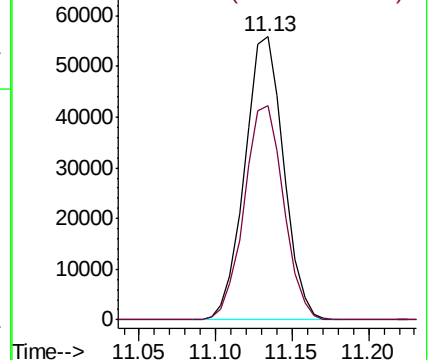
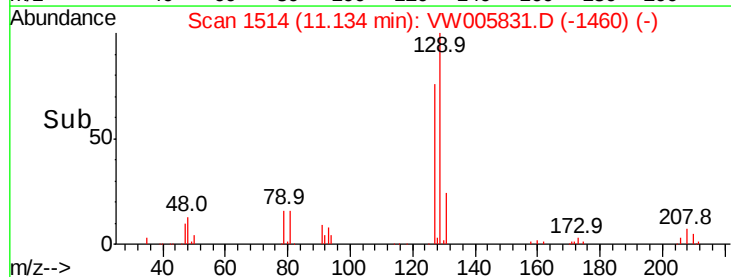
129 100

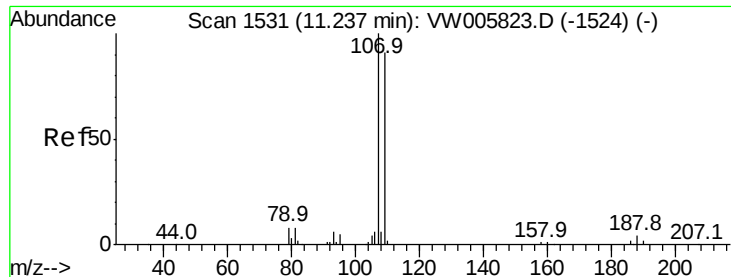
127 75.7 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.865 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampled :

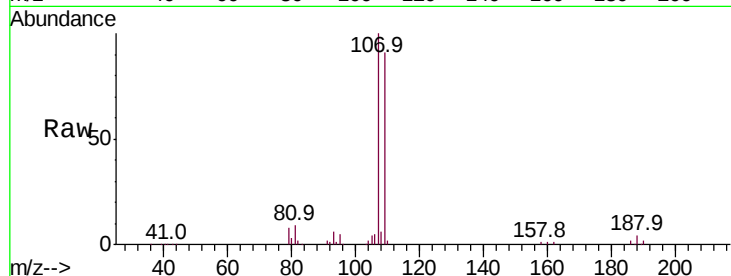
Tot Ion:107 Resp: 73448

Ion Ratio Lower Upper

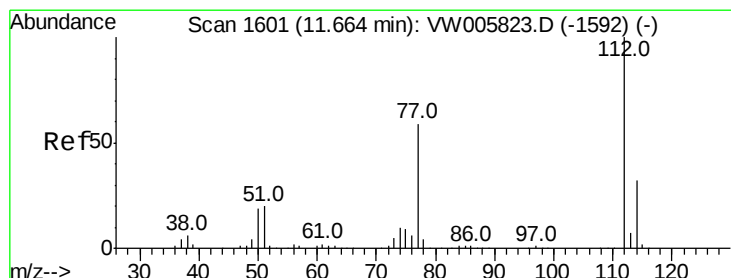
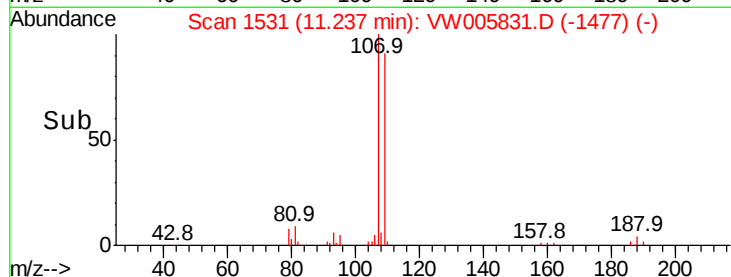
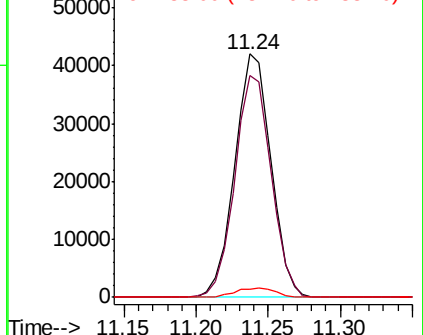
107 100

109 91.0 70.1 130.3

188 3.6 3.4 5.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.736 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

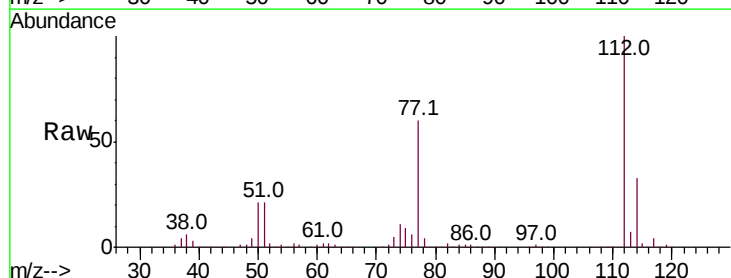
Tgt Ion:112 Resp: 273222

Ion Ratio Lower Upper

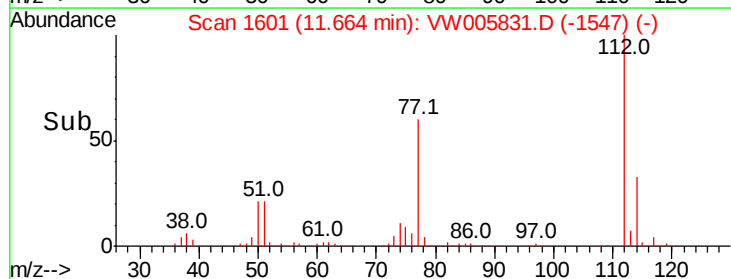
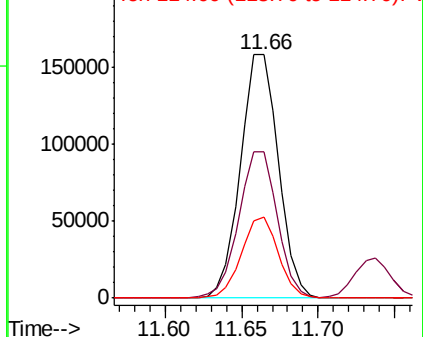
112 100

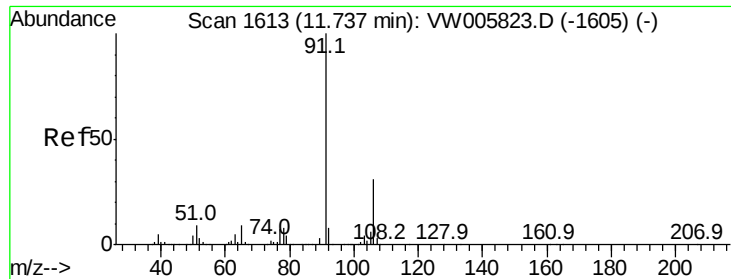
77 60.1 46.7 70.1

114 33.2 21.8 40.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.654 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

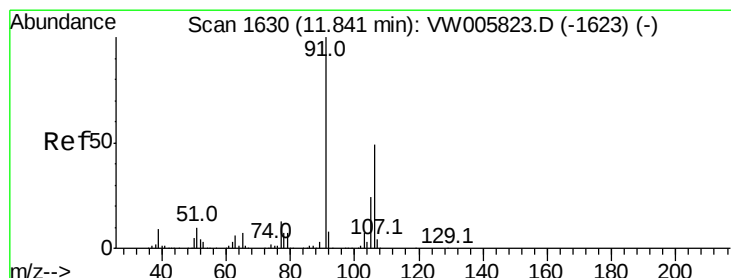
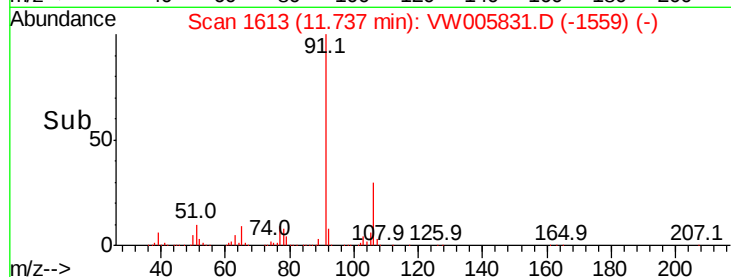
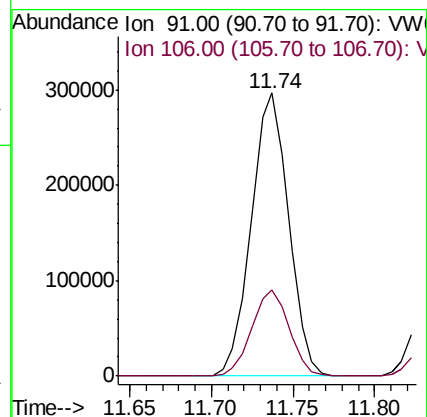
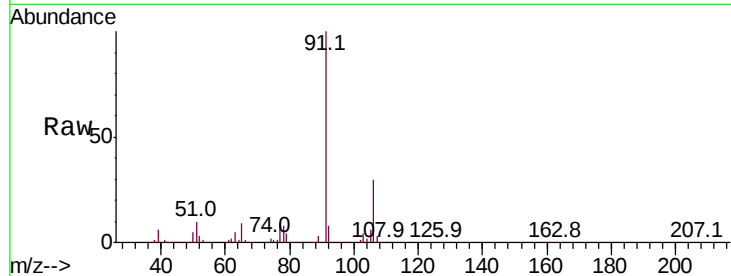
ClientSampleId :

Tot Ion: 91 Resp: 473960

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#54

m,p-Xylene

Concen: 24.621 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW005831.D

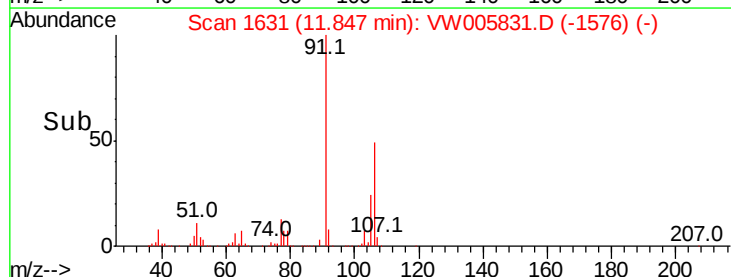
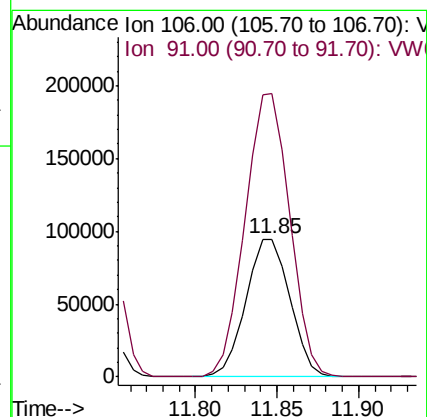
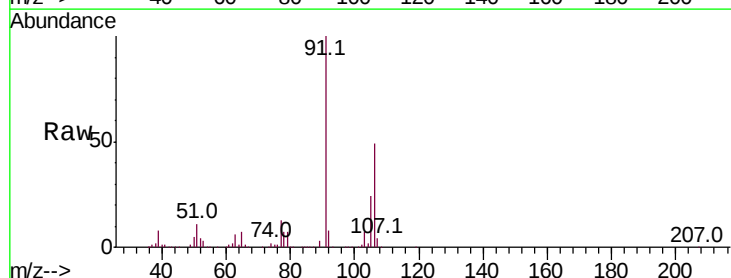
Acq: 04 Oct 2018 00:11

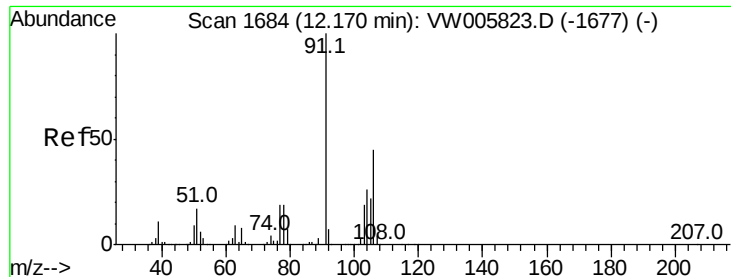
Tgt Ion: 106 Resp: 178317

Ion Ratio Lower Upper

106 100

91 205.3 147.7 274.3

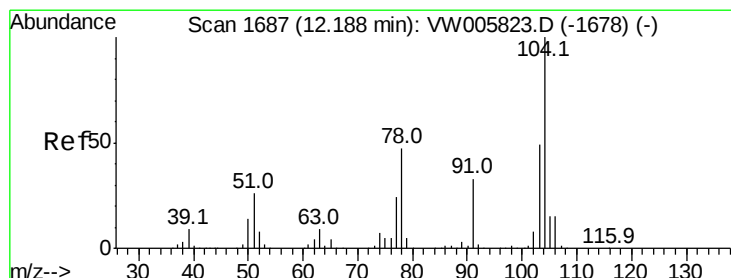
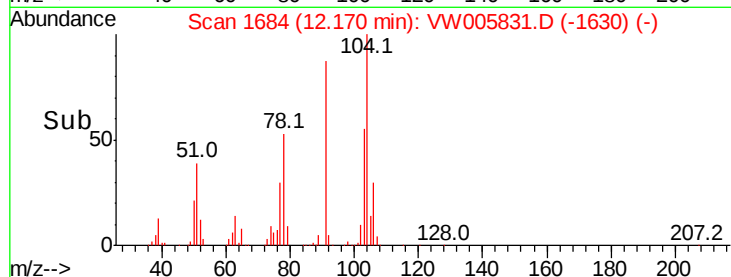
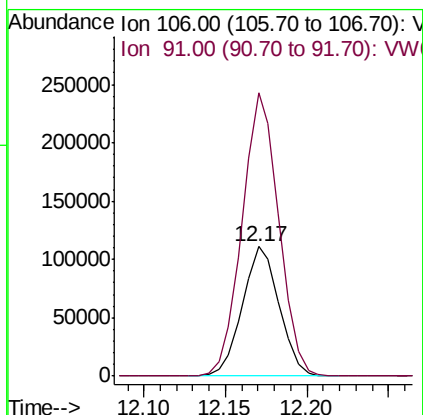
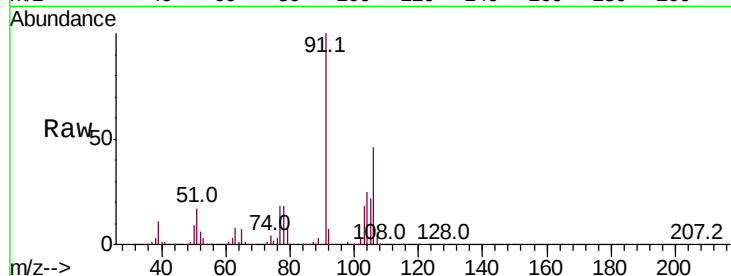




#55
o-xylene
Concen: 25.528 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005831.D
Acq: 04 Oct 2018 00:11

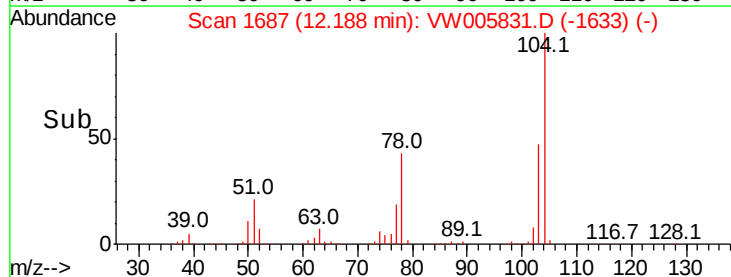
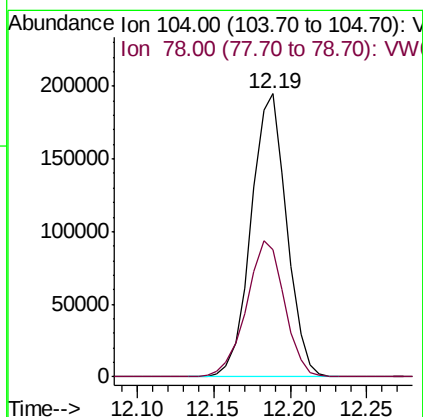
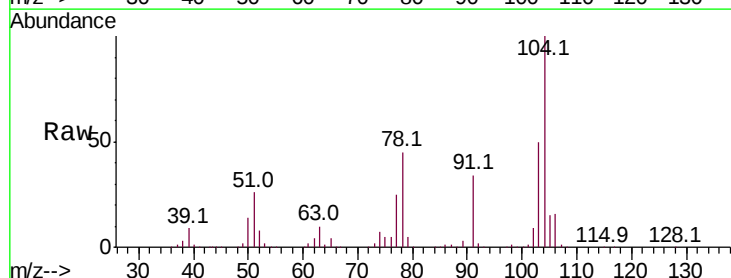
Instrument :
MSVOA_W
ClientSampleId :

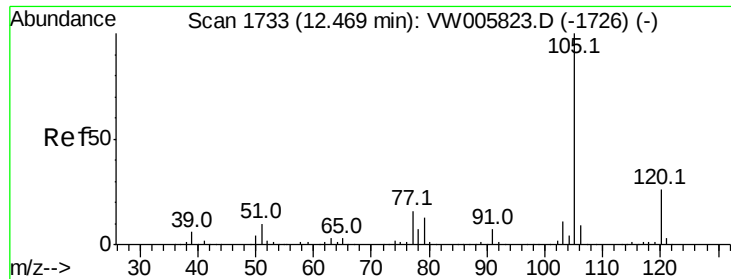
Tot Ion:106 Resp: 174265
Ion Ratio Lower Upper
106 100
91 218.4 156.5 290.7



#56
Styrene
Concen: 26.291 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005831.D
Acq: 04 Oct 2018 00:11

Tgt Ion:104 Resp: 314964
Ion Ratio Lower Upper
104 100
78 45.1 32.2 59.8





#57

Isopropylbenzene

Concen: 24.604 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

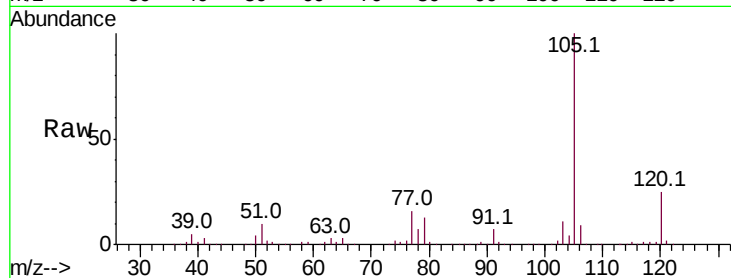
Tot Ion:105 Resp: 479725

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

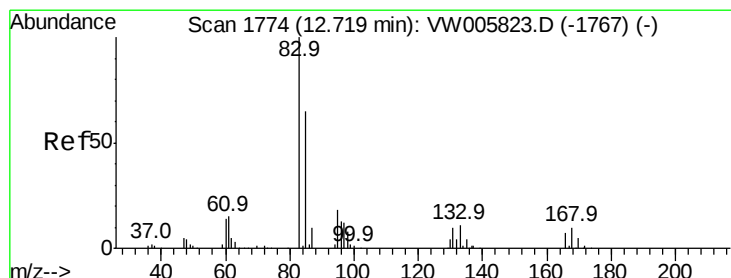
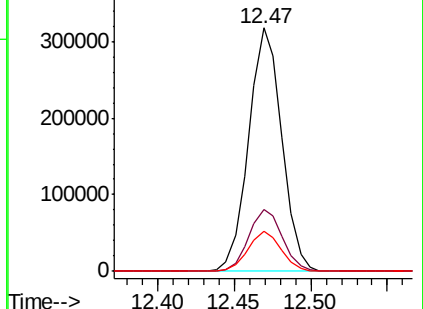
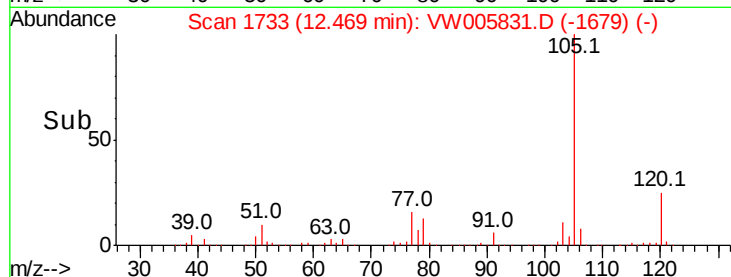
77 16.3 13.0 19.6



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: 24.919 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

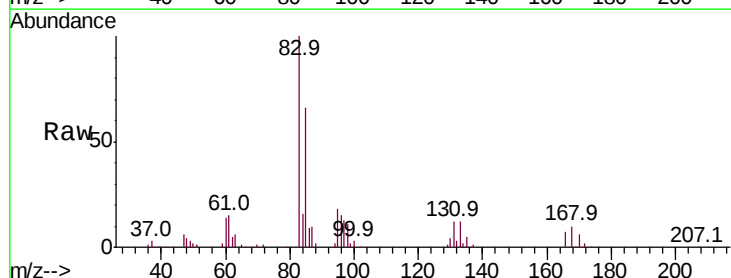
Tgt Ion: 83 Resp: 97123

Ion Ratio Lower Upper

83 100

85 66.1 43.0 80.0

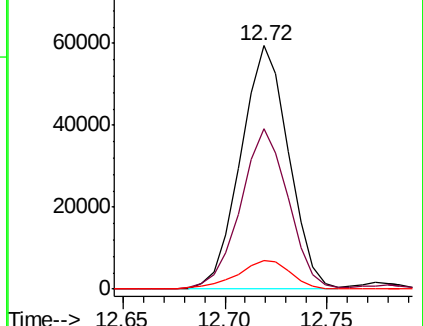
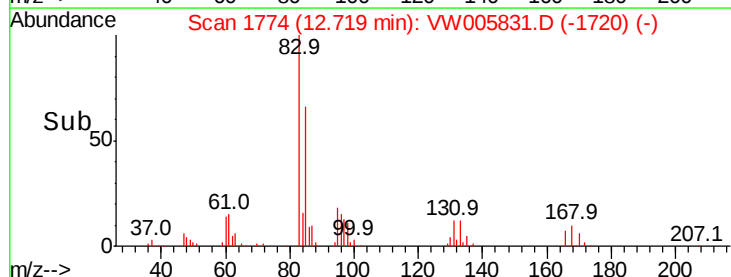
131 11.6 8.0 12.0

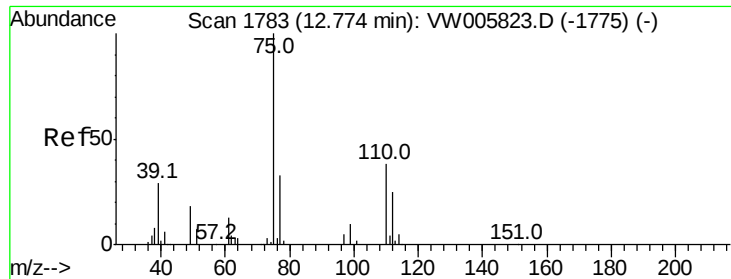


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.278 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

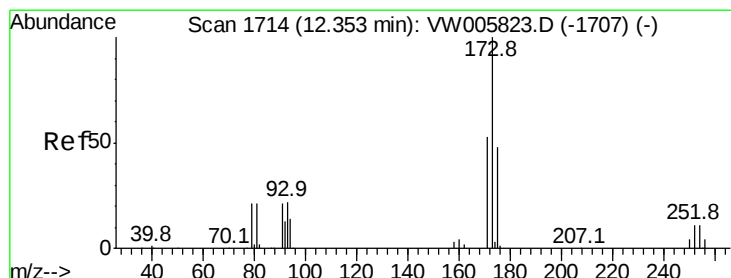
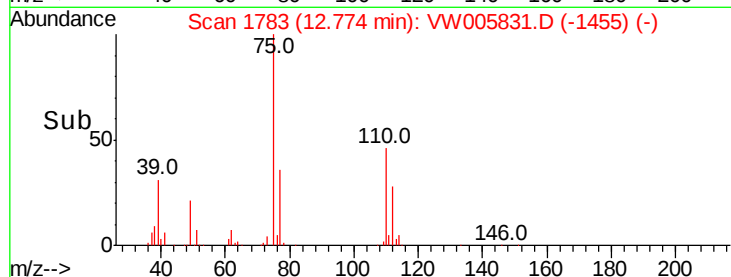
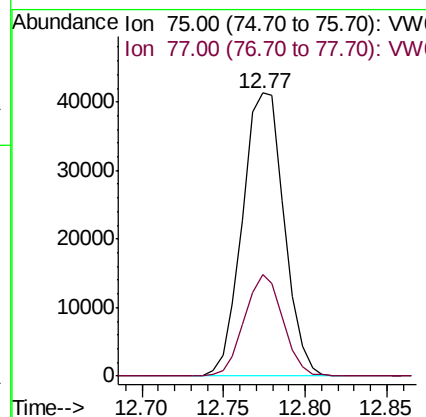
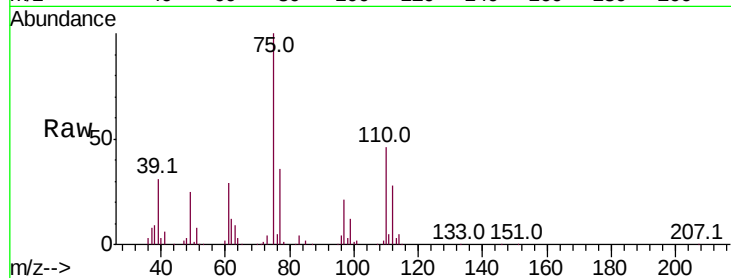
ClientSampleId :

Tot Ion: 75 Resp: 73650

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8



#62

Bromoform

Concen: 25.529 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

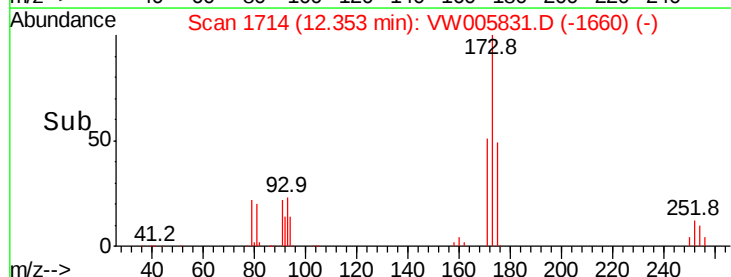
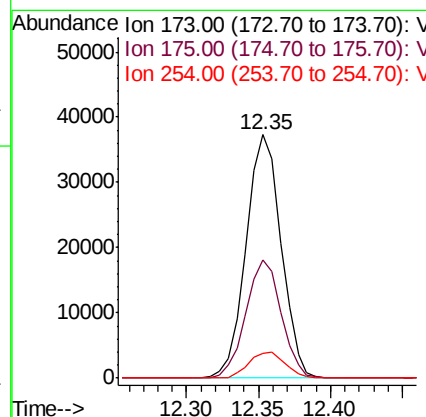
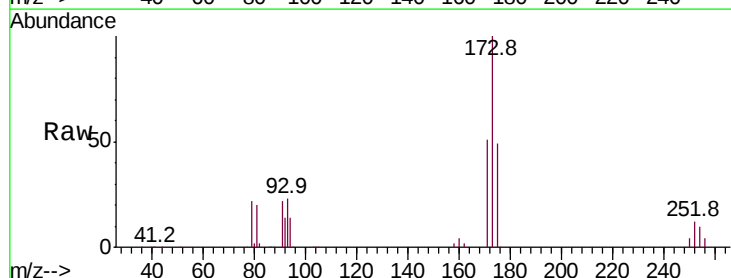
Tgt Ion: 173 Resp: 62811

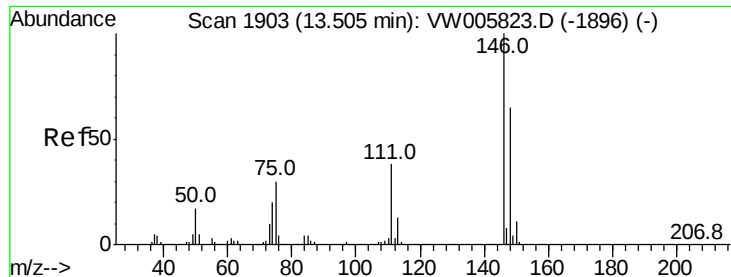
Ion Ratio Lower Upper

173 100

175 49.0 40.0 60.0

254 10.9 8.6 13.0

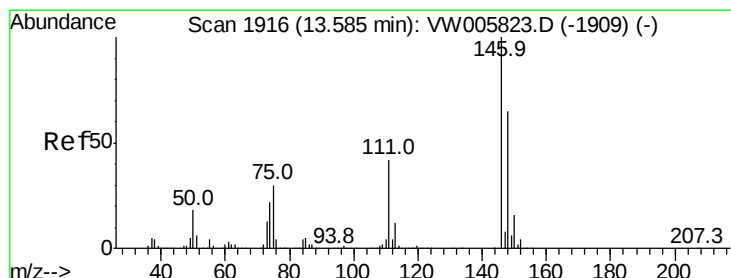
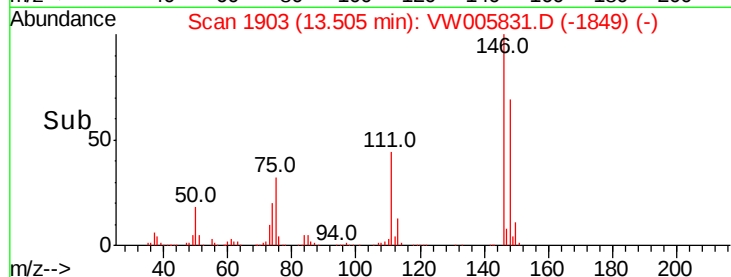
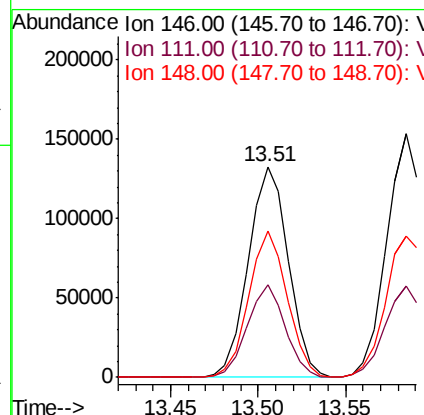
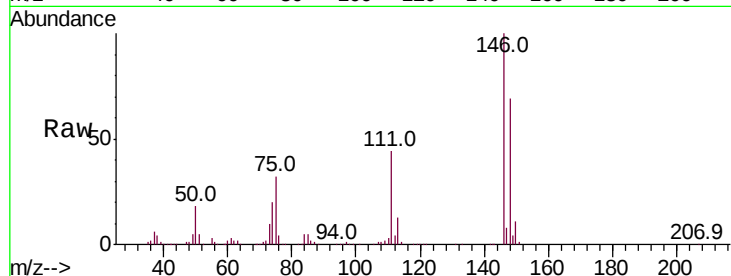




#63
 1,3-Dichlorobenzene
 Concen: 24.078 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

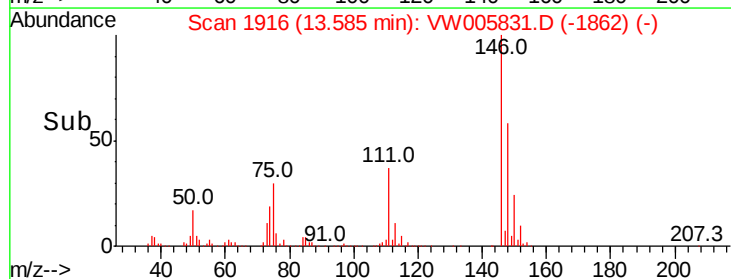
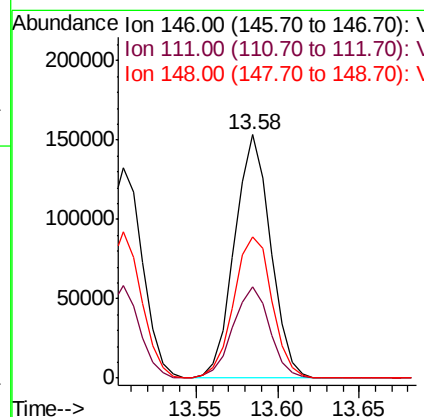
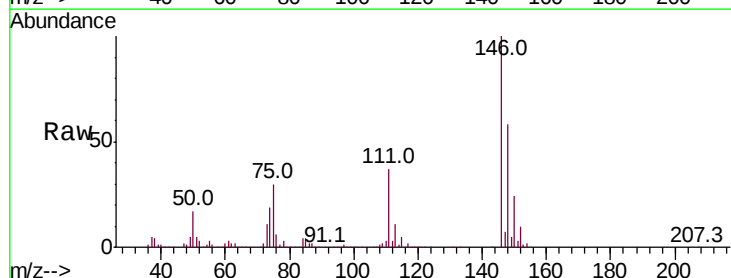
Instrument :
 MSVOA_W
 ClientSampleId :

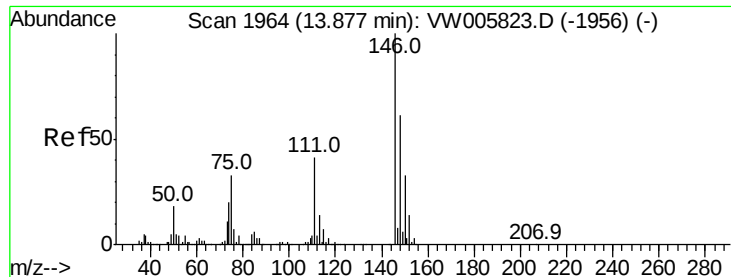
Tot Ion:146 Resp: 211618
 Ion Ratio Lower Upper
 146 100
 111 43.7 27.2 50.6
 148 69.2 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 25.698 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

Tgt Ion:146 Resp: 235858
 Ion Ratio Lower Upper
 146 100
 111 37.4 28.4 52.8
 148 57.8 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 26.110 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

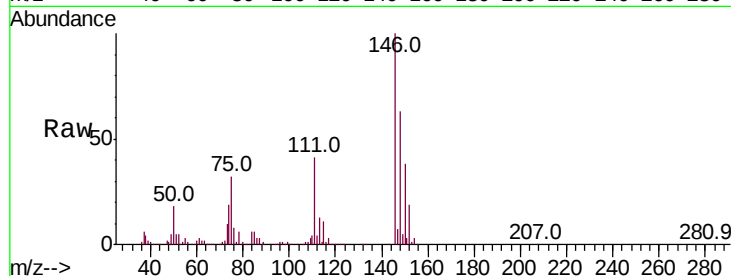
Tot Ion:146 Resp: 220803

Ion Ratio Lower Upper

146 100

111 40.7 34.6 51.8

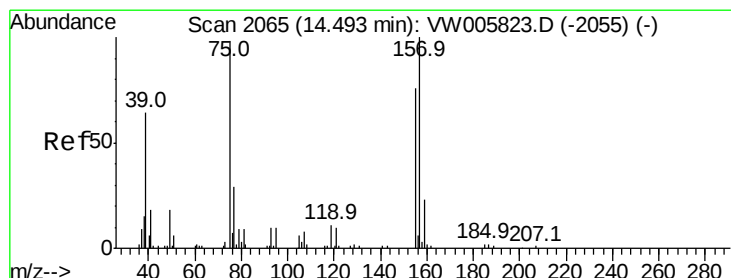
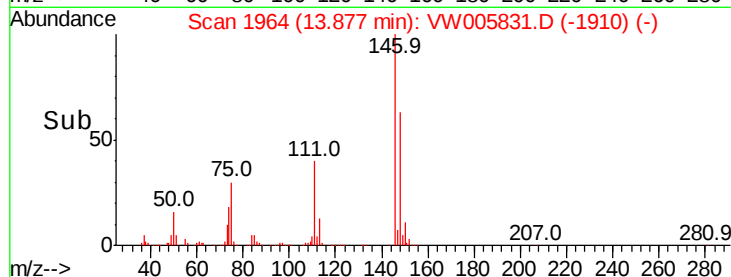
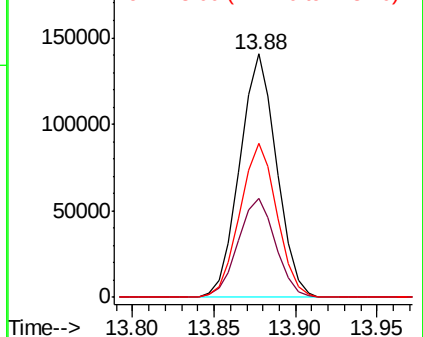
148 63.2 51.5 77.3



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: 23.315 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

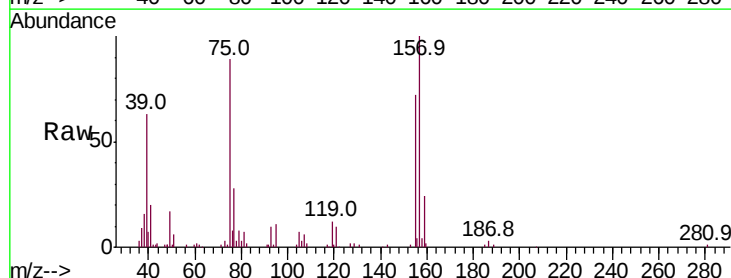
Tgt Ion: 75 Resp: 18747

Ion Ratio Lower Upper

75 100

157 111.9 76.9 115.3

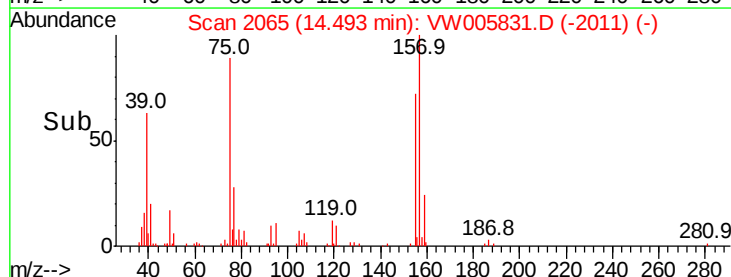
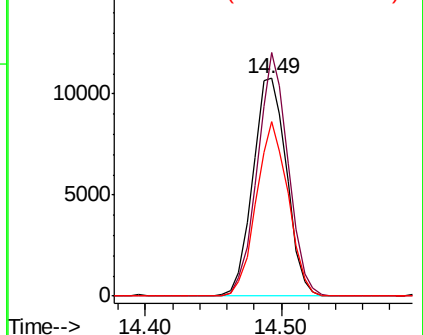
155 80.1 64.2 96.2

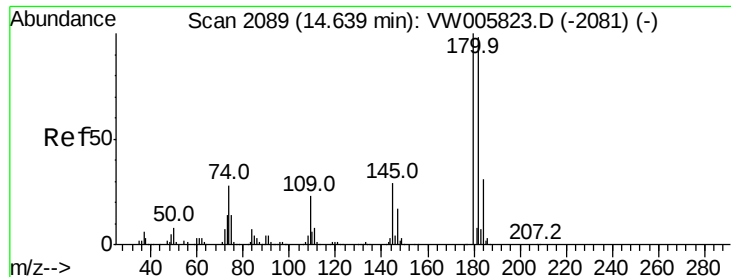


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

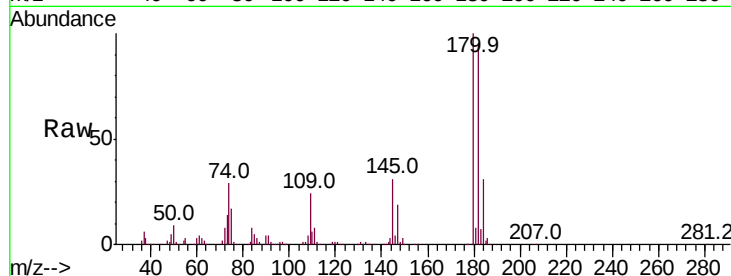




#67
 1,3,5-Trichlorobenzene
 Concen: 24.598 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.7	116.5
184	30.9	24.6	37.0
145	29.7	23.8	35.6



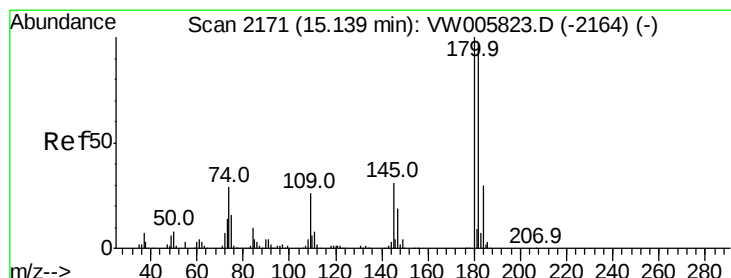
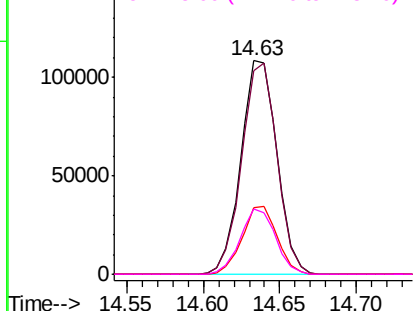
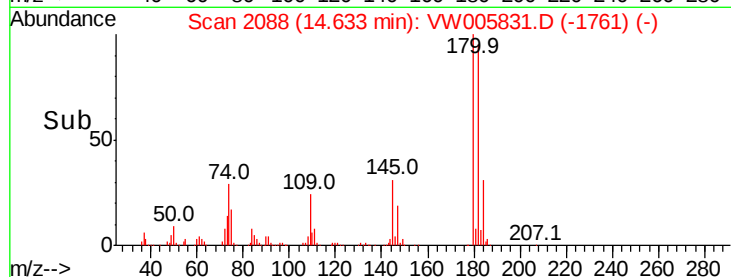
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

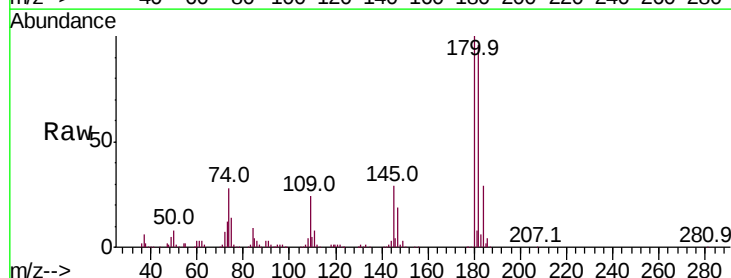
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.203 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005831.D
 Acq: 04 Oct 2018 00:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.6
145	29.3	23.8	35.6

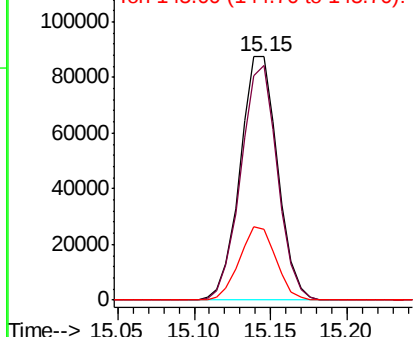
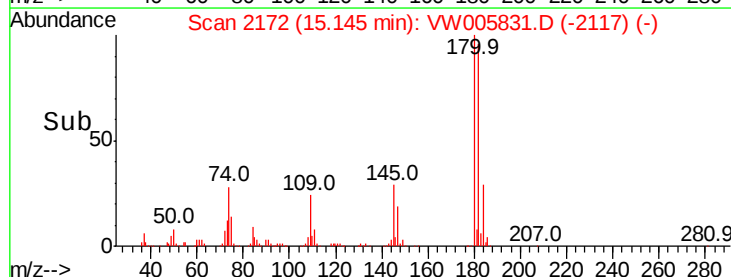


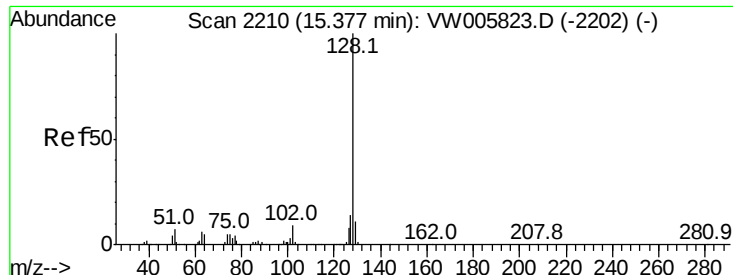
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.987 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

Instrument :

MSVOA_W

ClientSampleId :

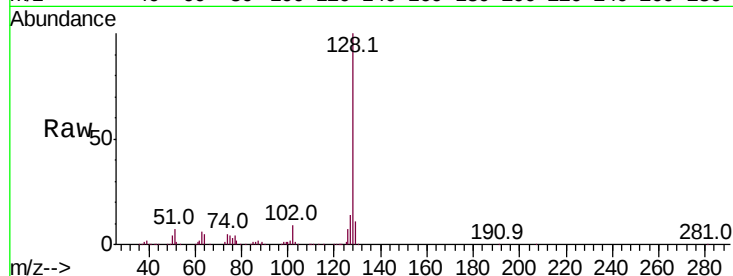
Tot Ion:128 Resp: 296671

Ion Ratio Lower Upper

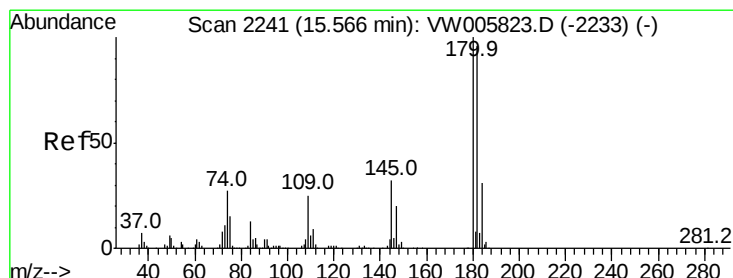
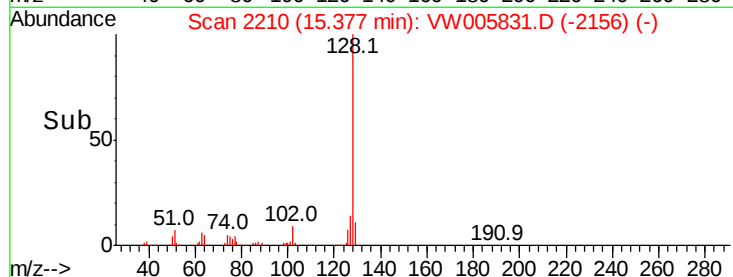
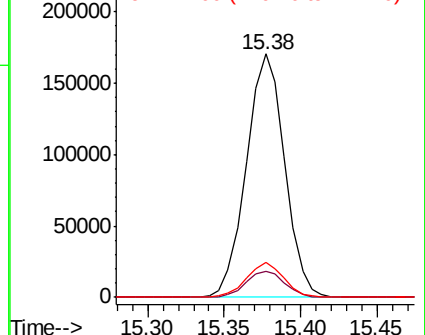
128 100

129 10.8 8.8 13.2

127 13.7 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.872 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005831.D

Acq: 04 Oct 2018 00:11

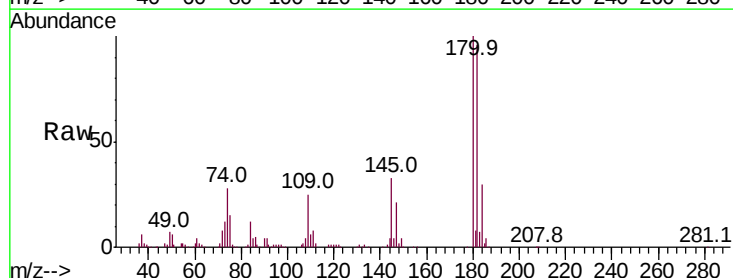
Tgt Ion:180 Resp: 143674

Ion Ratio Lower Upper

180 100

182 96.3 76.8 115.2

145 31.9 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

