

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073118\
 Data File : VW004365.D
 Acq On : 31 Jul 2018 19:22
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV83

Quant Time: Aug 01 04:40:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 31 20:28:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	351541	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323332	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	172613	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74546	27.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.88%
7) Chloroethane-d5	2.89	69	55937	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
10) 1,1-Dichloroethene-d2	4.01	63	194981	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.60%
20) 2-Butanone-d5	7.09	46	87540	51.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.10%
24) Chloroform-d	7.65	84	204551	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.31	65	116591	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.84%
29) Benzene-d6	8.27	84	404546	24.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.92%
33) 1,2-Dichloropropane-d6	9.28	67	126350	24.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.72%
37) Toluene-d8	10.33	98	388862	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.59	79	61142	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	10.93	63	71702	53.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	139560	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	155568	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	77945	24.282	ug/L	95
3) Chloromethane	2.22	50	73152	24.014	ug/L	99
5) Vinyl chloride	2.37	62	107062	28.470	ug/L	98
6) Bromomethane	2.78	94	63354	23.524	ug/L	99
8) Chloroethane	2.93	64	60617	22.924	ug/L	100
9) Trichlorofluoromethane	3.25	101	68123	21.608	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113627	24.449	ug/L	95
12) 1,1-Dichloroethene	4.04	96	111324	25.508	ug/L	90
13) Acetone	4.13	43	73791	49.663	ug/L	100
14) Carbon disulfide	4.38	76	333955	25.870	ug/L	100
15) Methyl Acetate	4.67	43	75124	25.359	ug/L	95
16) Methylene chloride	4.92	84	118901	21.400	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	163286	23.820	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	115047	24.287	ug/L	98
19) 1,1-Dichloroethane	6.21	63	207962	25.252	ug/L	99
21) 2-Butanone	7.18	43	103893	51.305	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	127656	24.450	ug/L	96

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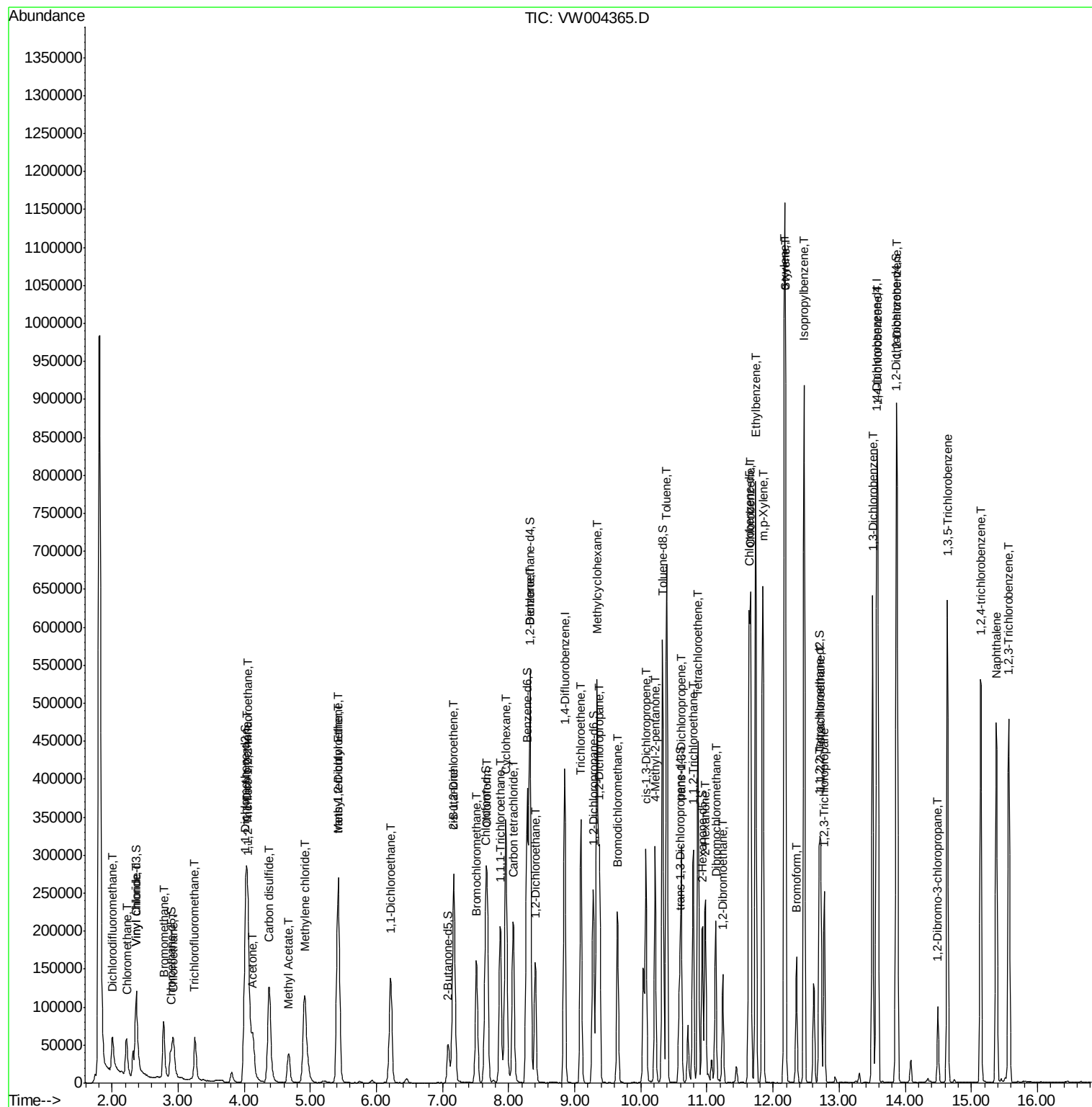
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59698	24.345	ug/L	89
25) Chloroform	7.68	83	212990	24.581	ug/L	99
27) 1,2-Dichloroethane	8.40	62	144570	24.702	ug/L	99
30) Cyclohexane	7.96	56	198828	26.039	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	173665	24.511	ug/L	98
32) Carbon tetrachloride	8.07	117	171441	24.845	ug/L	99
34) Benzene	8.33	78	472210	25.193	ug/L	100
35) Trichloroethene	9.09	95	122261	24.367	ug/L	99
36) Methylcyclohexane	9.34	83	223592	24.983	ug/L	96
40) 1,2-Dichloropropane	9.37	63	120400	25.607	ug/L	99
41) Bromodichloromethane	9.65	83	151353	24.880	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	185981	25.217	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	204614	53.755	ug/L	97
44) Toluene	10.39	91	506299	25.119	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	168565	25.458	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	97546	25.158	ug/L	98
47) Tetrachloroethene	10.87	164	107067	24.852	ug/L	99
49) 2-Hexanone	10.98	43	155464	54.953	ug/L	98
50) Dibromochloromethane	11.13	129	117377	24.850	ug/L	97
51) 1,2-Dibromoethane	11.24	107	95663	24.894	ug/L	91
52) Chlorobenzene	11.66	112	325333	24.249	ug/L	96
53) Ethylbenzene	11.74	91	557124	24.432	ug/L	97
54) m,p-Xylene	11.85	106	215679	25.005	ug/L	95
55) o-xylene	12.17	106	204708	25.128	ug/L	91
56) Styrene	12.19	104	363983	25.810	ug/L	96
57) Isopropylbenzene	12.47	105	588242	25.754	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	138832	26.080	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105760	25.805	ug/L	99
62) Bromoform	12.35	173	78443	24.361	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	273322	24.549	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	276632	24.149	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	261400	24.835	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26090	25.156	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	214677	24.320	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	183857	24.526	ug/L	99
69) Naphthalene	15.38	128	408785	24.129	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	173512	25.014	ug/L	98

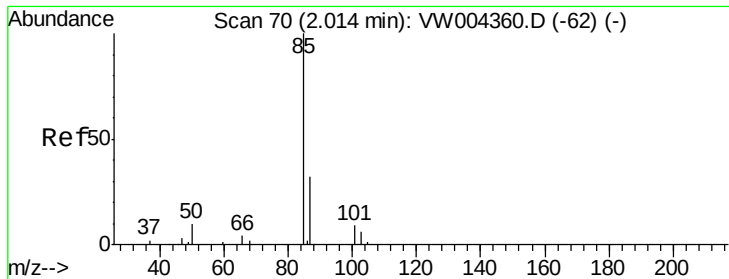
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.282 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampled :

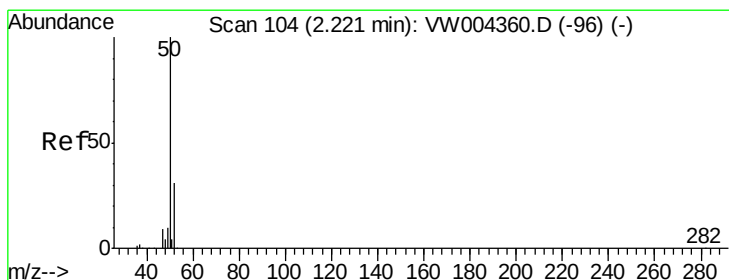
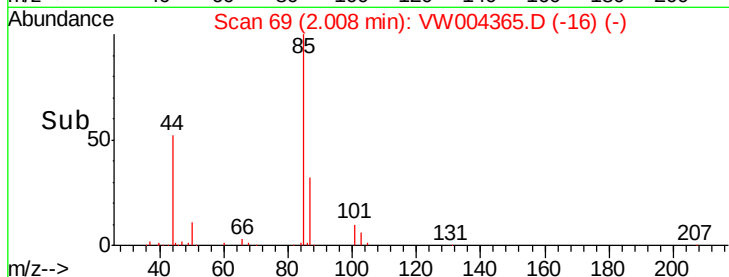
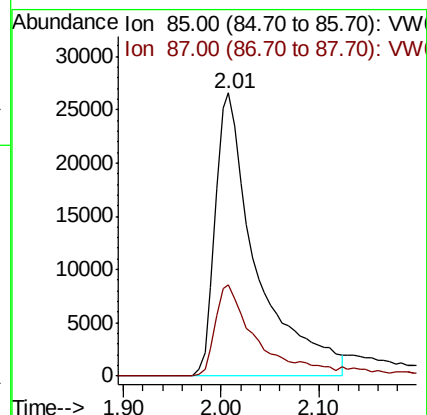
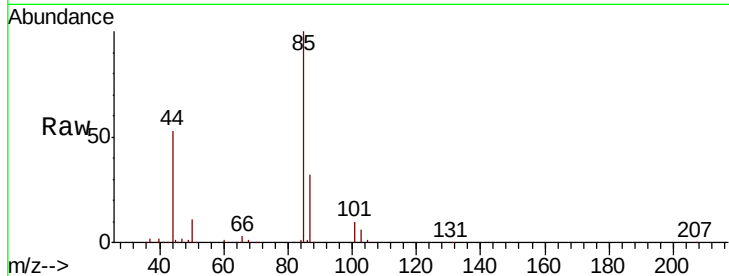
VICV83

Tot Ion: 85 Resp: 77945

Ion Ratio Lower Upper

85 100

87 29.1 22.1 41.1



#3

Chloromethane

Concen: 24.014 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW004365.D

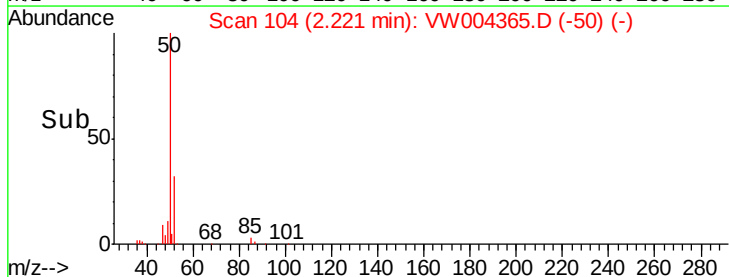
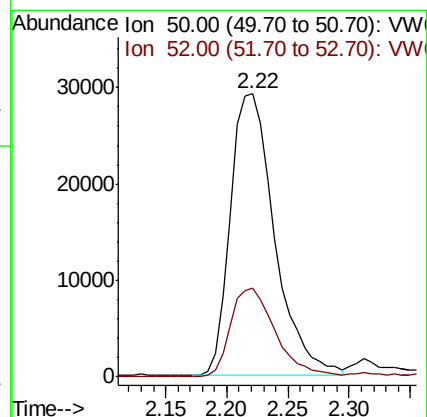
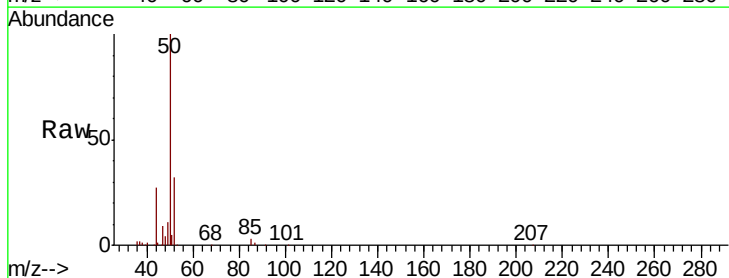
Acq: 31 Jul 2018 19:22

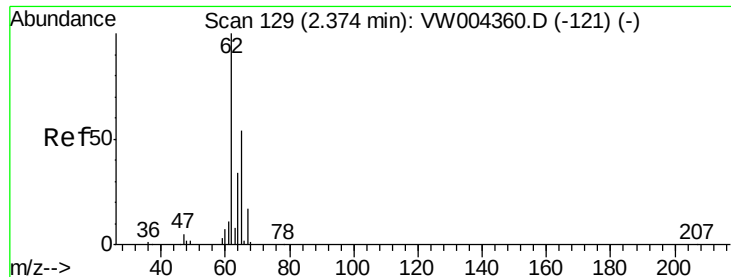
Tgt Ion: 50 Resp: 73152

Ion Ratio Lower Upper

50 100

52 31.5 21.6 40.0





#5

Vinyl chloride

Concen: 28.470 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

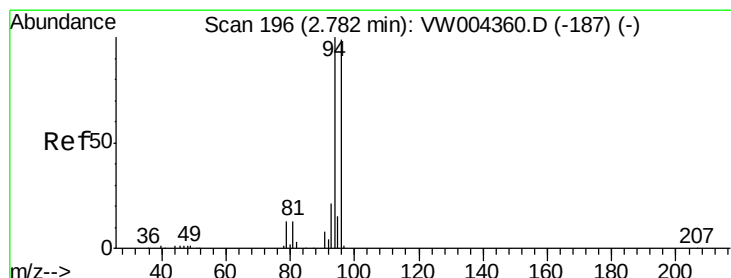
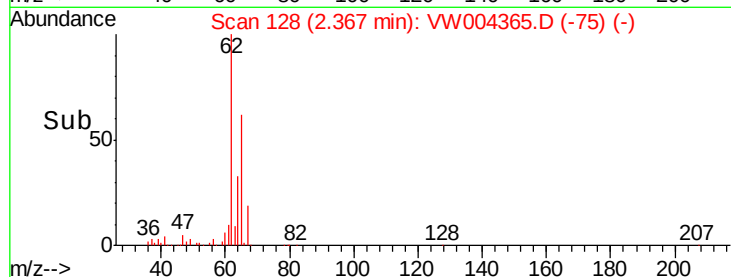
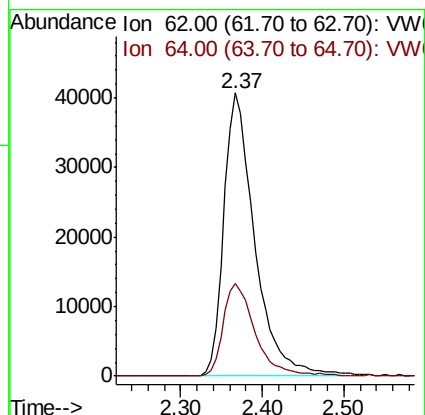
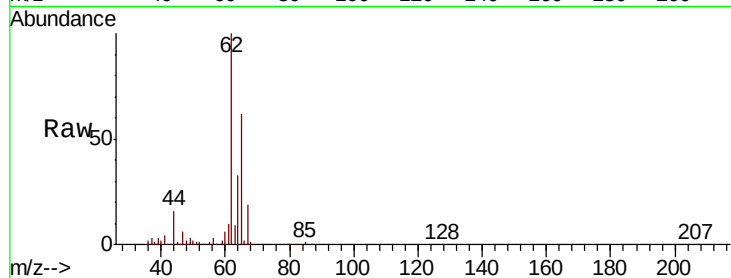
VICV83

Tot Ion: 62 Resp: 107062

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



#6

Bromomethane

Concen: 23.524 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004365.D

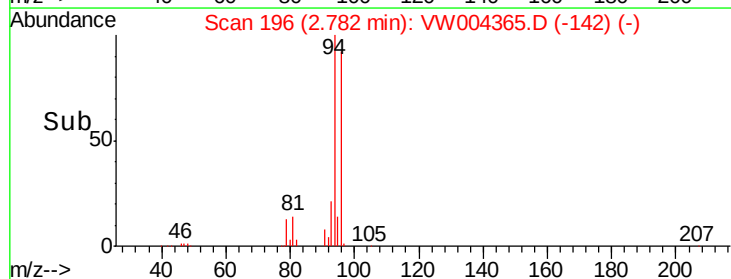
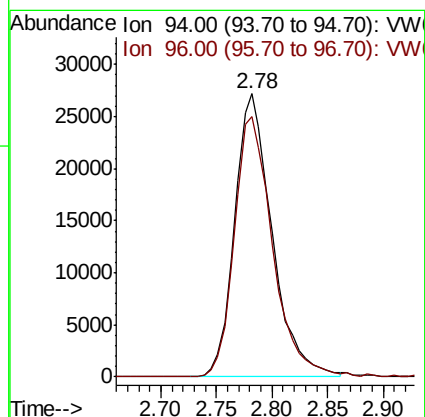
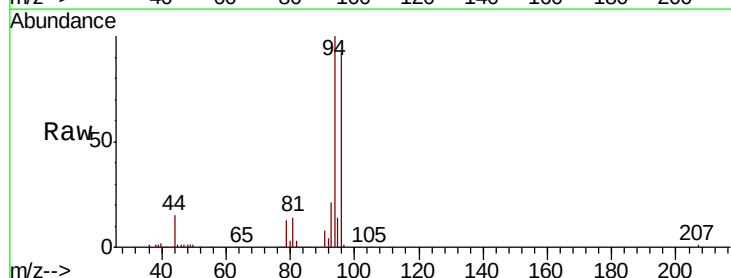
Acq: 31 Jul 2018 19:22

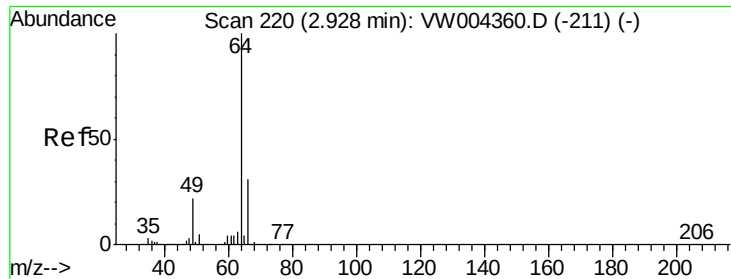
Tgt Ion: 94 Resp: 63354

Ion Ratio Lower Upper

94 100

96 93.9 9.5 181.1

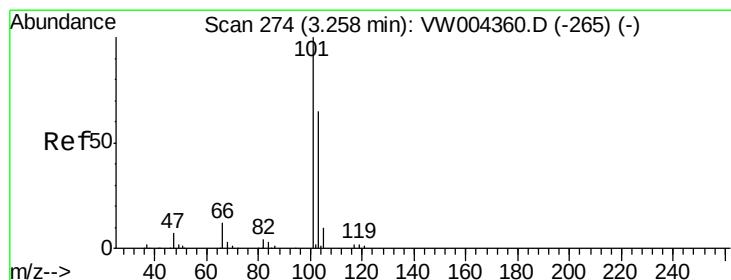
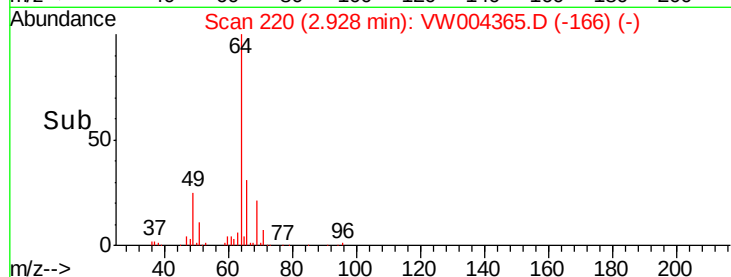
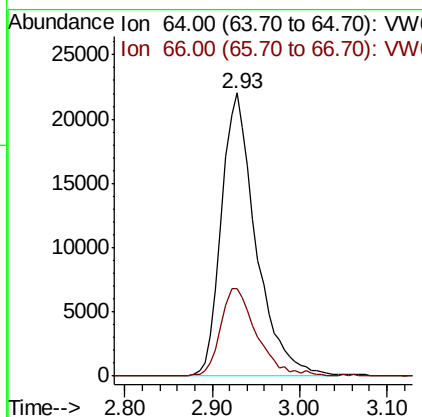
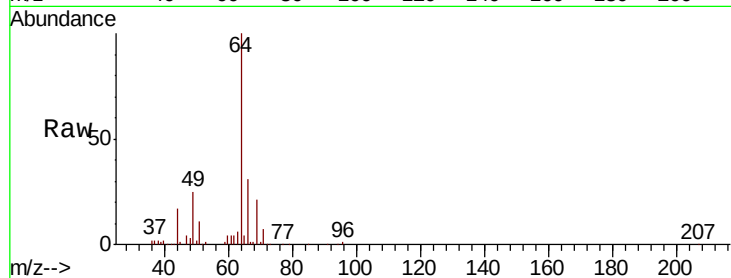




#8
Chloroethane
Concen: 22.924 ug/L
RT: 2.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

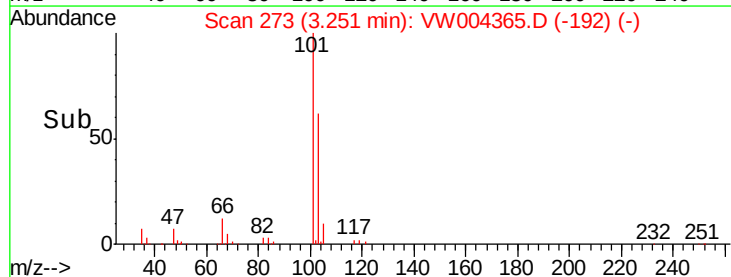
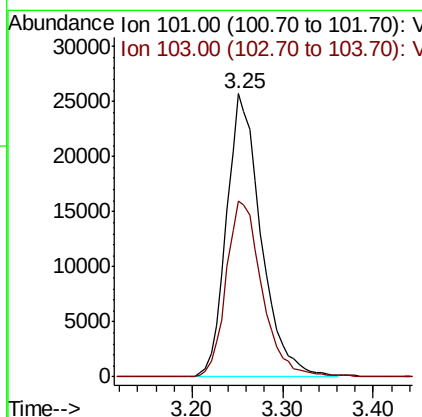
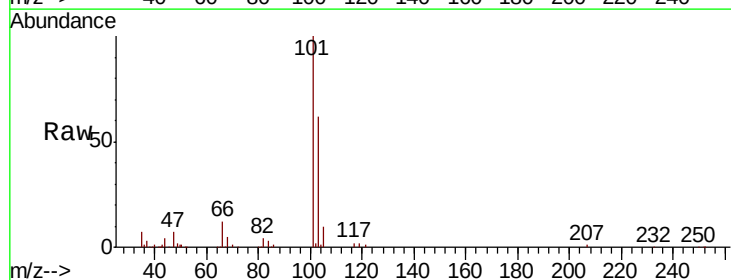
Instrument :
MSVOA_W
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VICV83

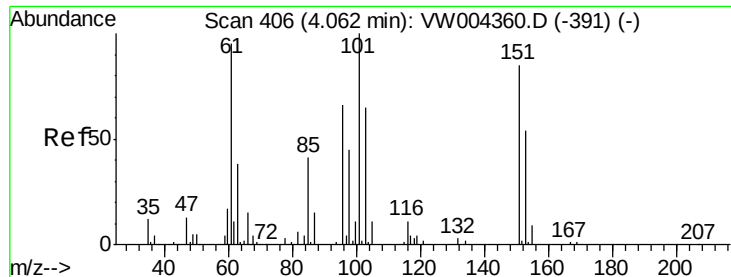
Tot Ion: 64 Resp: 60617
Ion Ratio Lower Upper
64 100
66 30.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 21.608 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion: 101 Resp: 68123
Ion Ratio Lower Upper
101 100
103 64.4 45.3 84.1





#11

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

Concen: 24.449 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampled :

VICV83

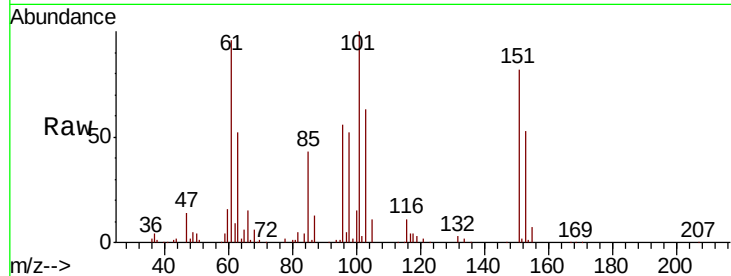
Tot Ion:101 Resp: 113627

Ion Ratio Lower Upper

101 100

85 42.5 32.4 48.6

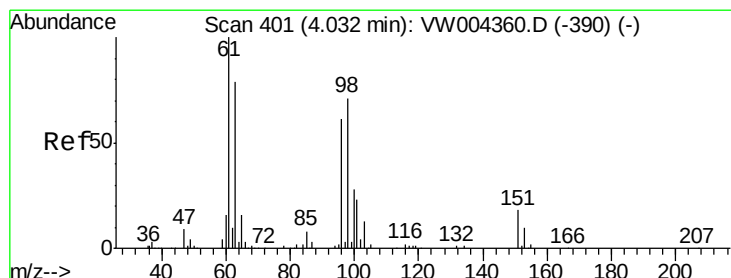
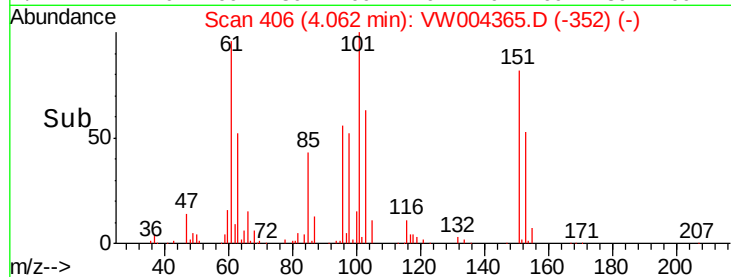
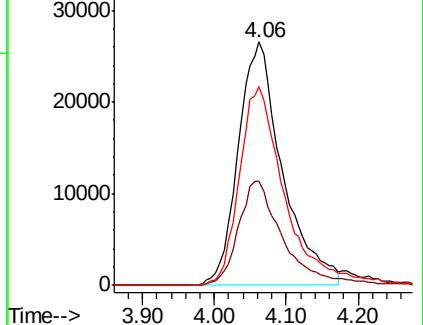
151 80.7 69.2 103.8



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: 25.508 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

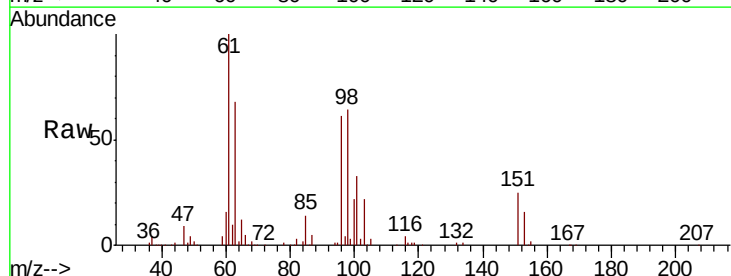
Tgt Ion: 96 Resp: 111324

Ion Ratio Lower Upper

96 100

61 162.7 115.4 214.4

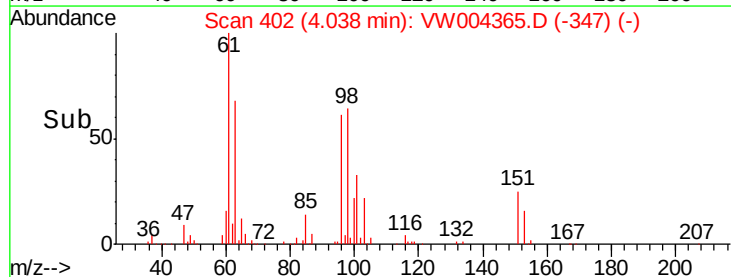
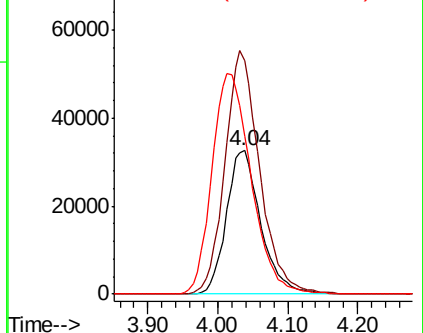
63 110.3 94.4 175.2

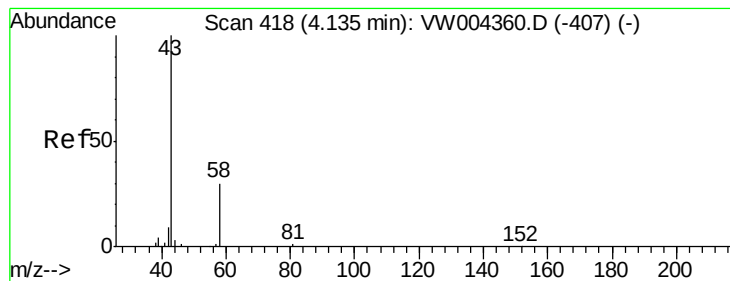


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.663 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

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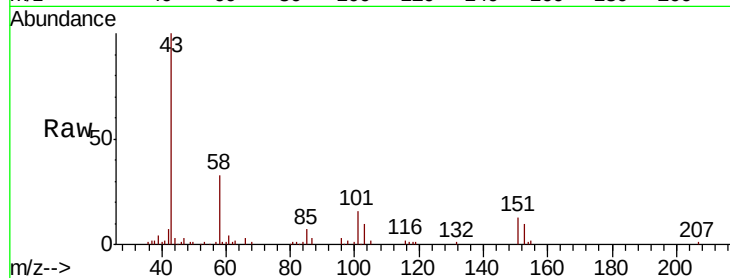
VICV83

Tot Ion: 43 Resp: 73791

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

25000

20000

15000

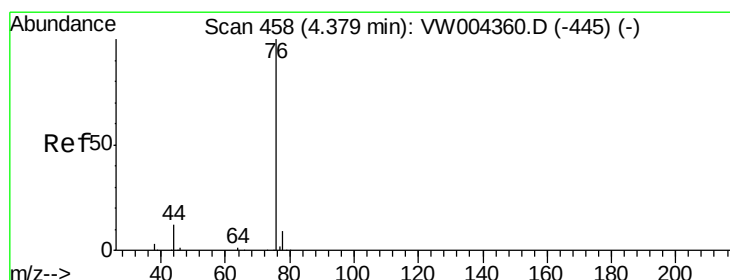
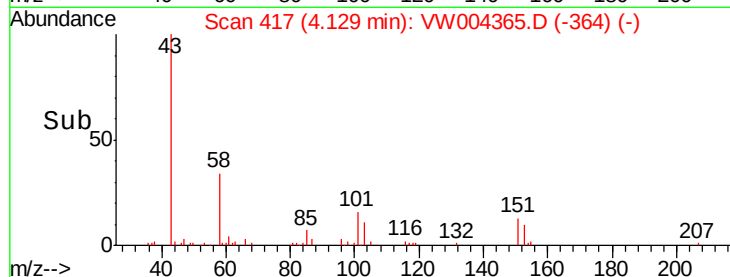
10000

5000

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Time-->

4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 25.870 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004365.D

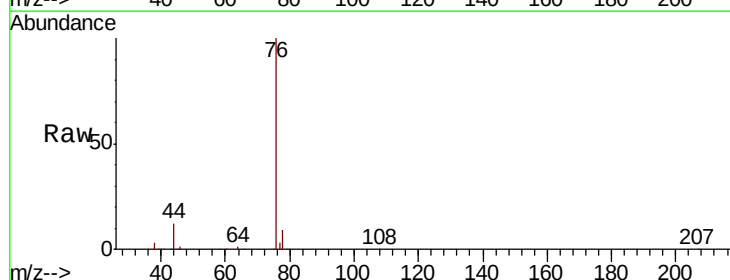
Acq: 31 Jul 2018 19:22

Tgt Ion: 76 Resp: 333955

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

100000

80000

60000

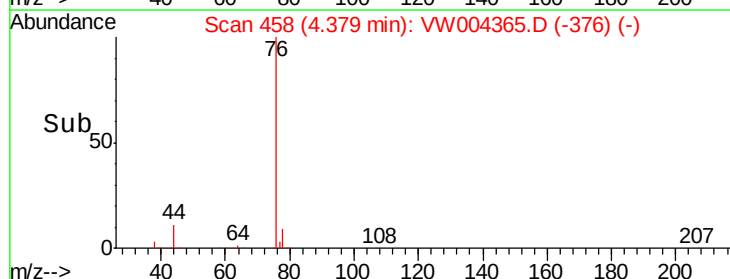
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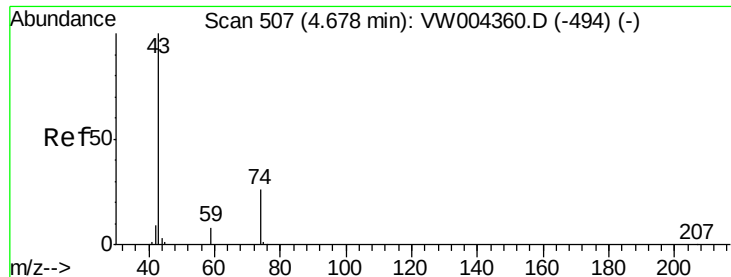
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Time-->

4.30 4.40 4.50

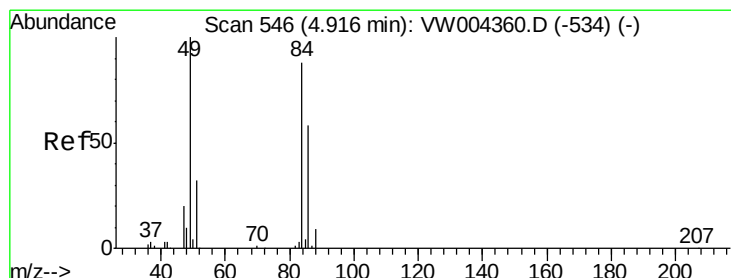
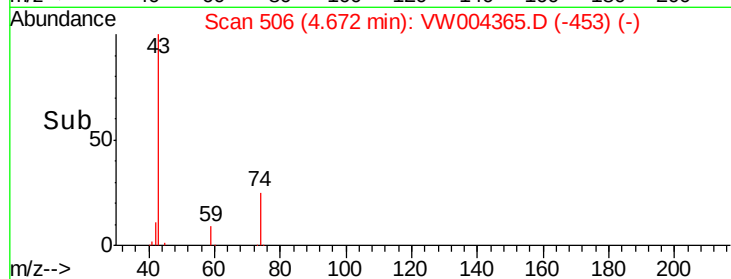
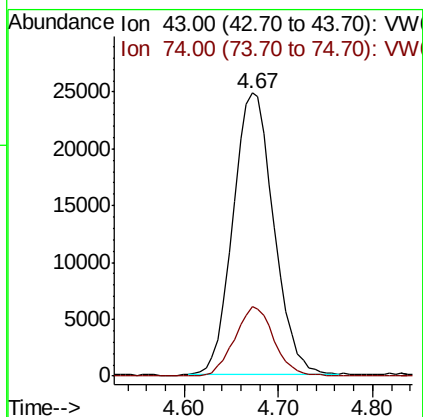
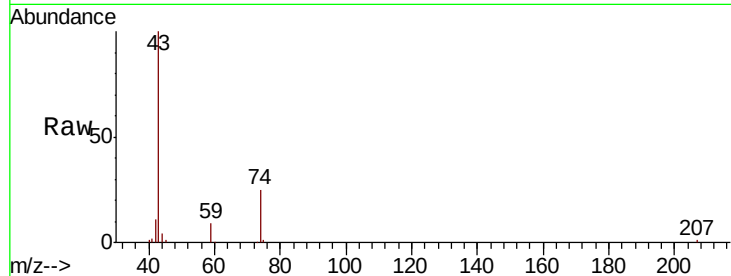




#15
Methyl Acetate
Concen: 25.359 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

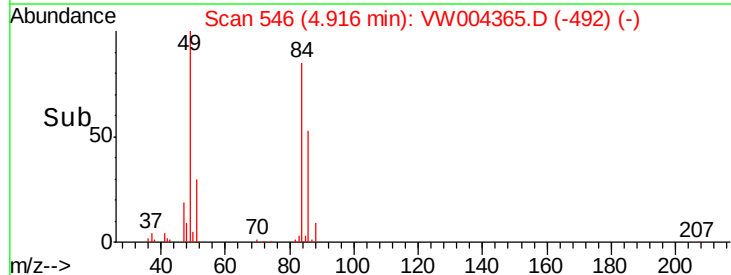
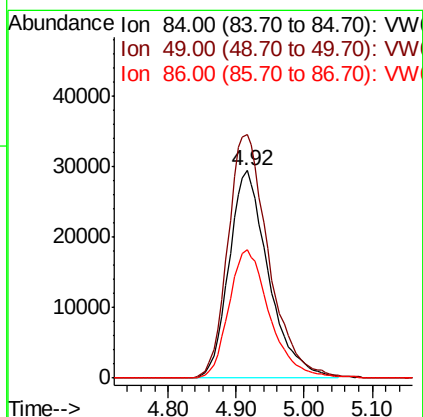
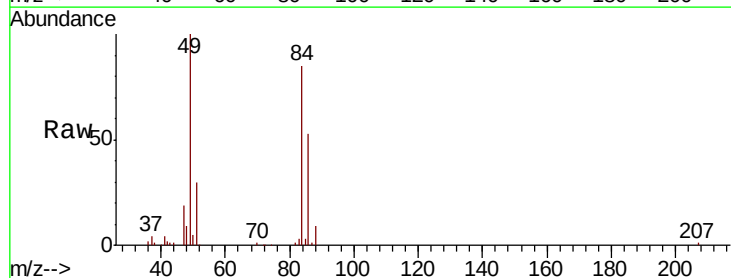
Instrument :
MSVOA_W
ClientSampled :
VICV83

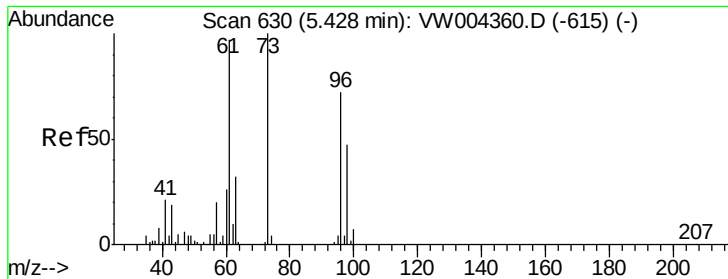
Tot Ion: 43 Resp: 75124
Ion Ratio Lower Upper
43 100
74 23.5 20.6 31.0



#16
Methylene chloride
Concen: 21.400 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion: 84 Resp: 118901
Ion Ratio Lower Upper
84 100
49 117.5 79.5 147.7
86 62.2 45.8 85.2

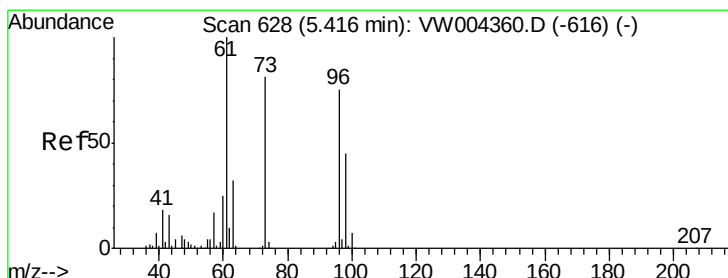
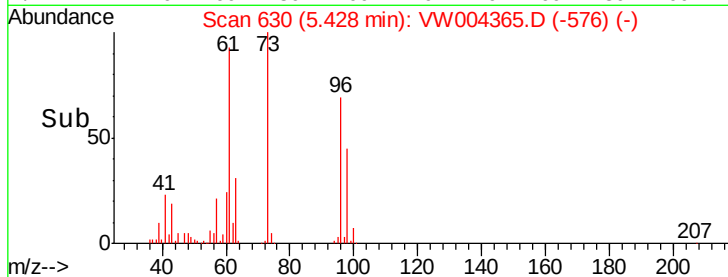
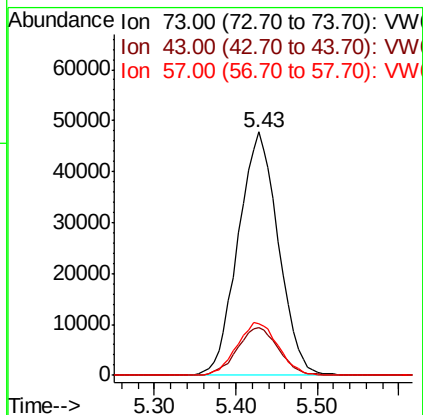
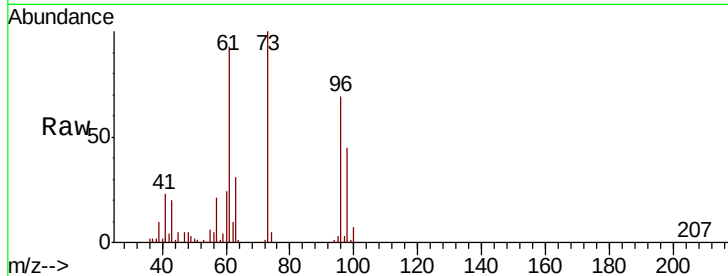




#17
Methyl tert-butyl Ether
Concen: 23.820 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

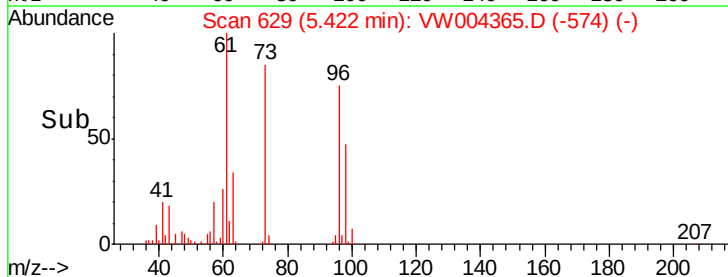
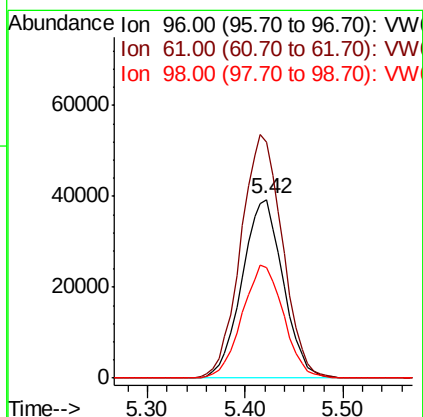
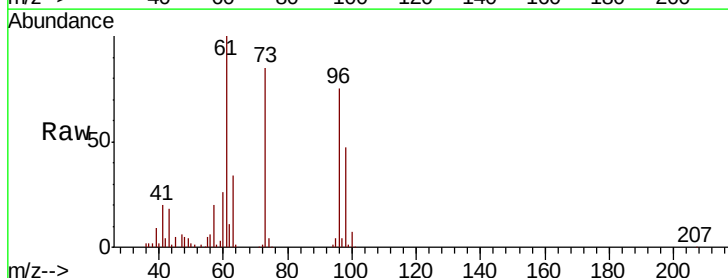
Instrument :
MSVOA_W
ClientSampled :
VICV83

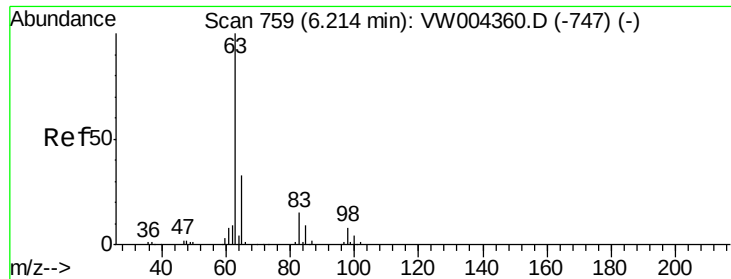
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	15.1	22.7
57	22.3	17.1	25.7



#18
trans-1,2-Dichloroethene
Concen: 24.287 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.5	93.7	174.1
98	62.1	41.9	77.7

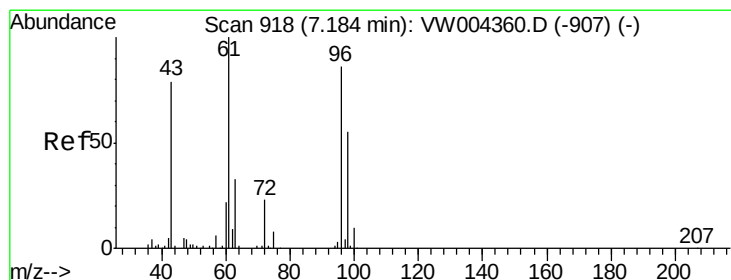
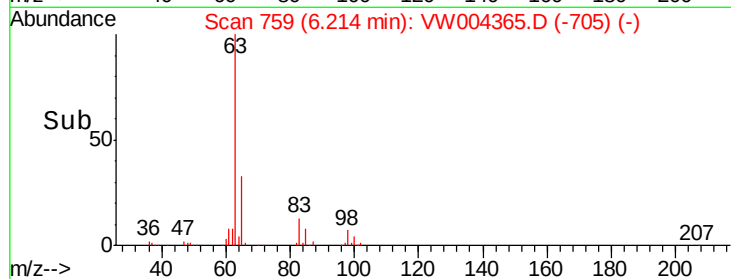
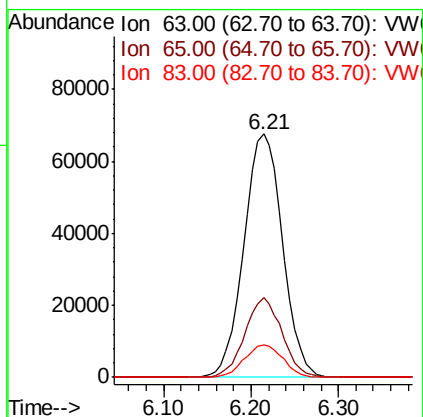
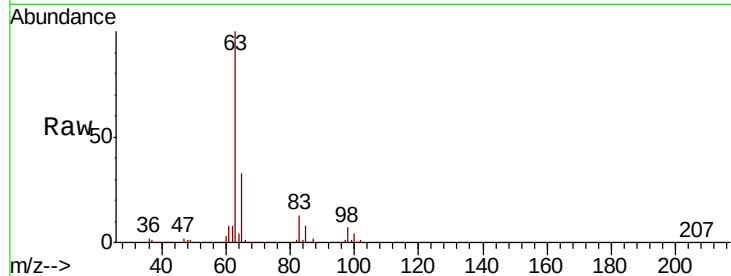




#19
 1,1-Dichloroethane
 Concen: 25.252 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

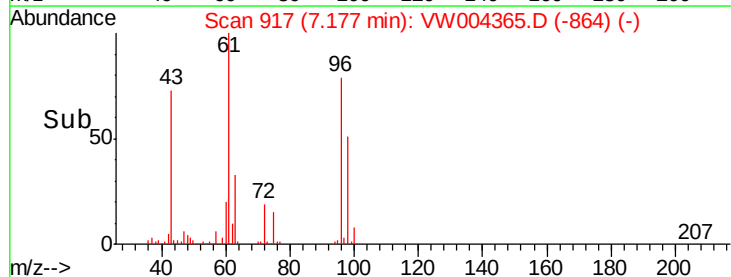
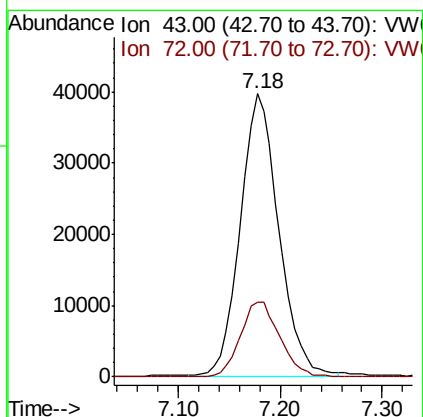
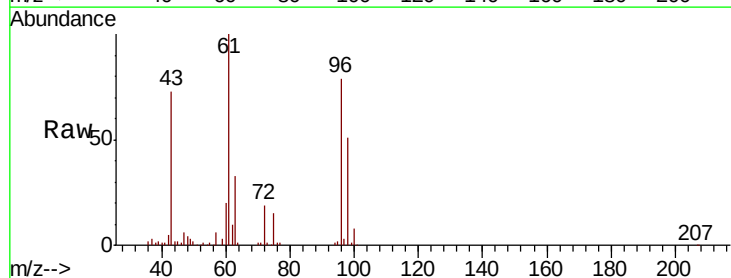
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV83

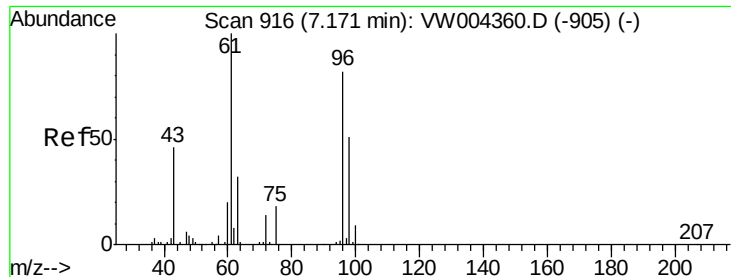
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	23.0	42.8
83	13.2	10.3	19.1



#21
 2-Butanone
 Concen: 51.305 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.1	14.4	43.2



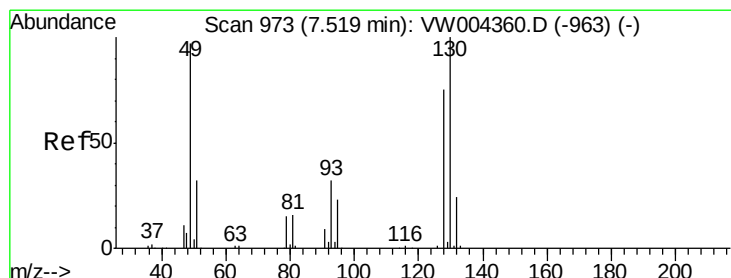
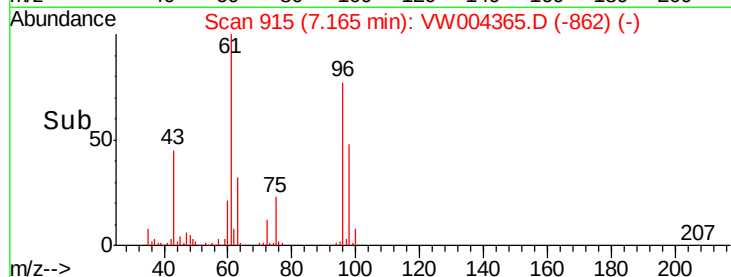
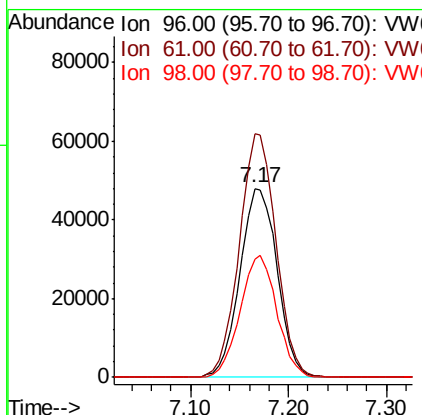
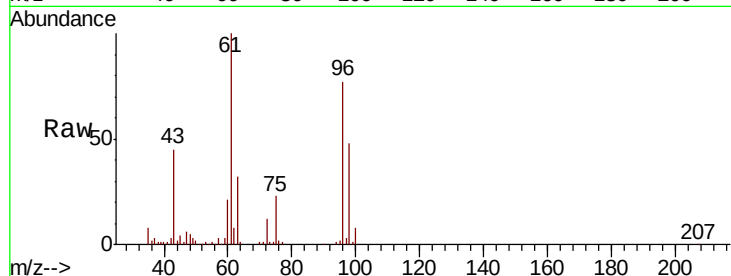


#22

cis-1,2-Dichloroethene
Concen: 24.450 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Instrument :
MSVOA_W
ClientSampleId :
VICV83

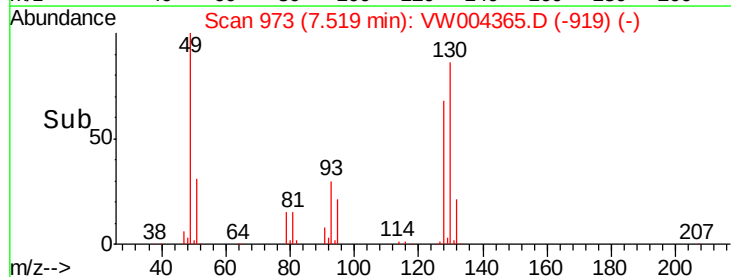
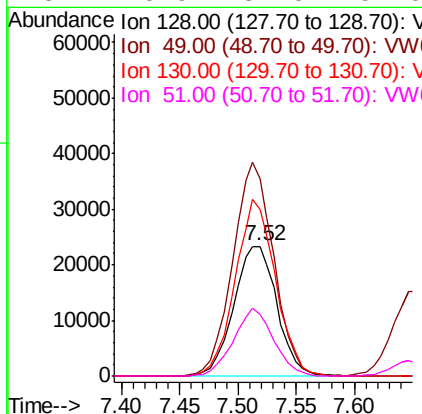
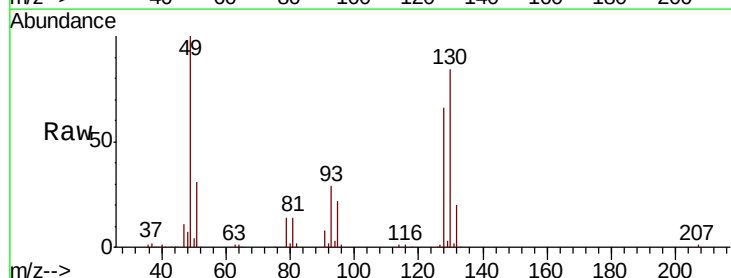
Tot Ion	96	Resp	127656
Ion	Ratio	Lower	Upper
96	100		
61	129.1	85.7	159.1
98	62.4	43.8	81.3

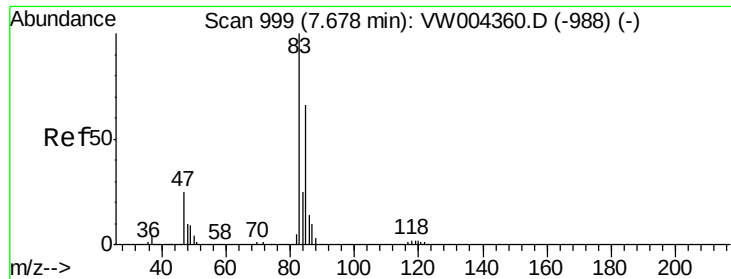


#23

Bromochloromethane
Concen: 24.345 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion	128	Resp	59698
Ion	Ratio	Lower	Upper
128	100		
49	151.7	90.9	168.7
130	127.7	93.8	174.2
51	46.9	34.0	51.0





#25

Chloroform

Concen: 24.581 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

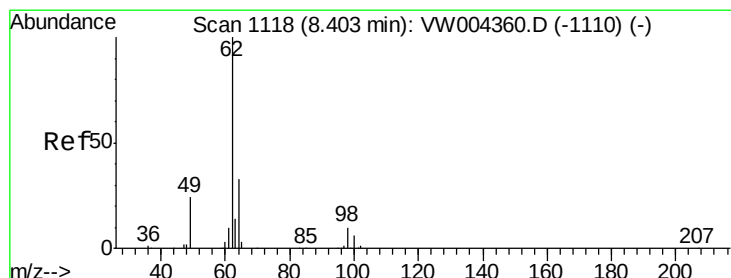
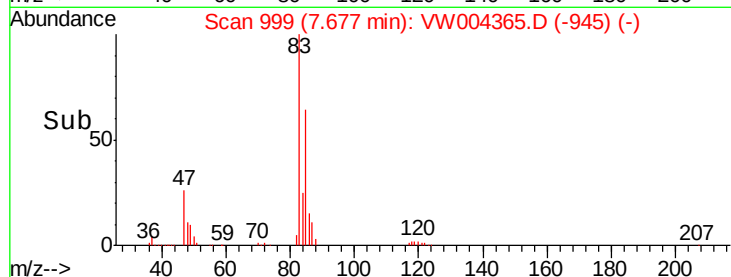
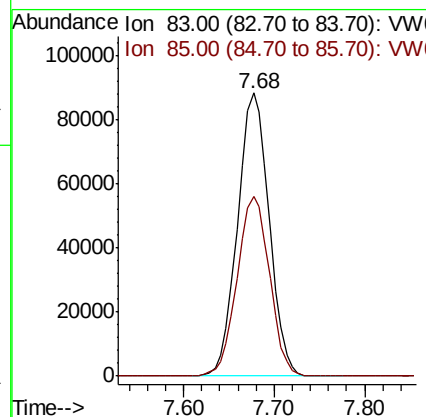
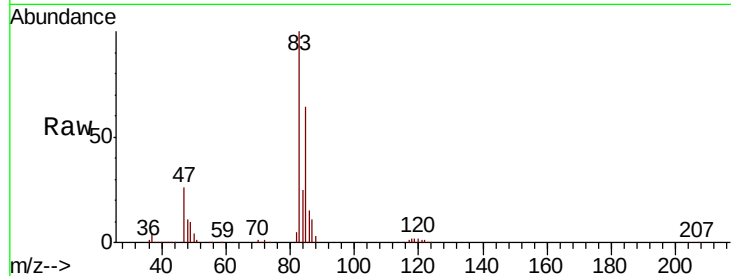
VICV83

Tot Ion: 83 Resp: 212990

Ion Ratio Lower Upper

83 100

85 65.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 24.702 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004365.D

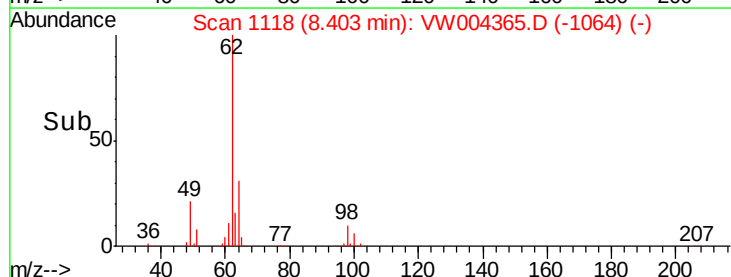
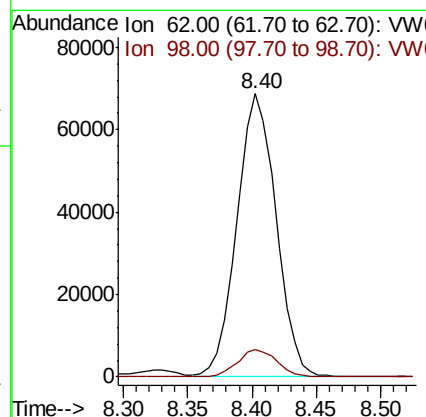
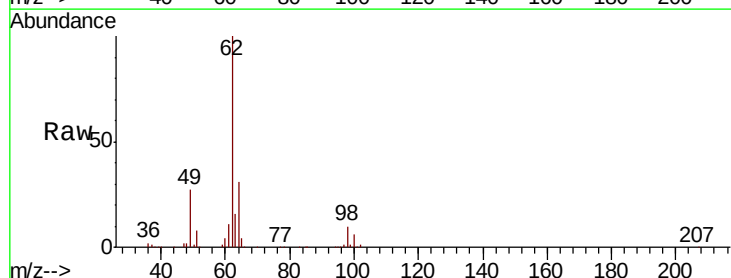
Acq: 31 Jul 2018 19:22

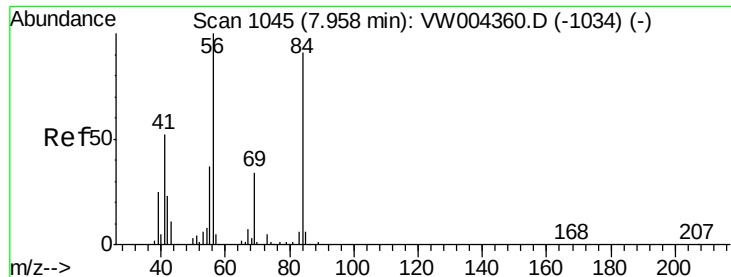
Tgt Ion: 62 Resp: 144570

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.8

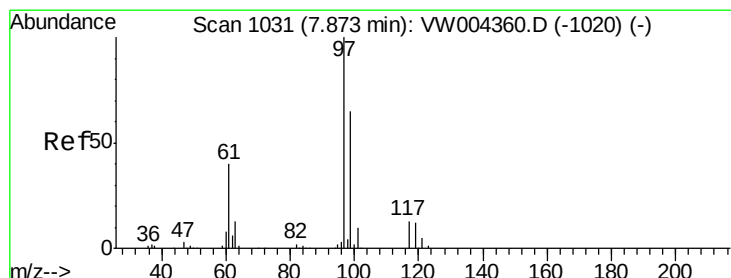
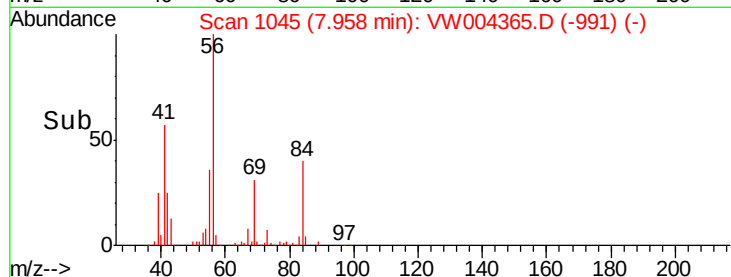
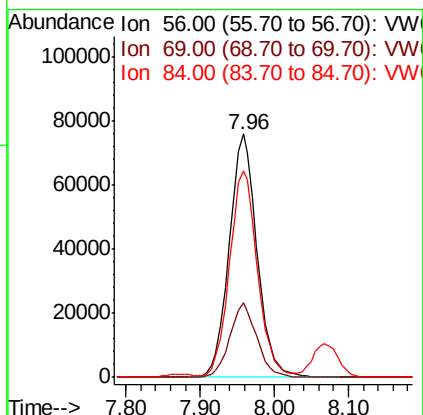
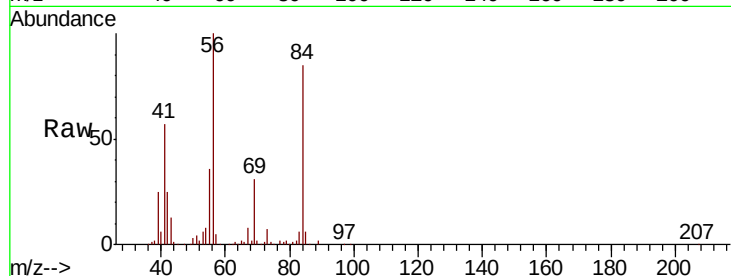




#30
Cyclohexane
Concen: 26.039 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

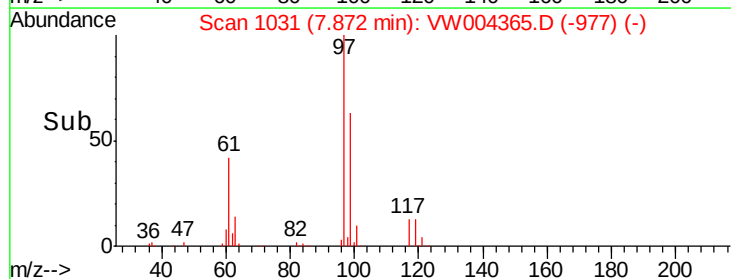
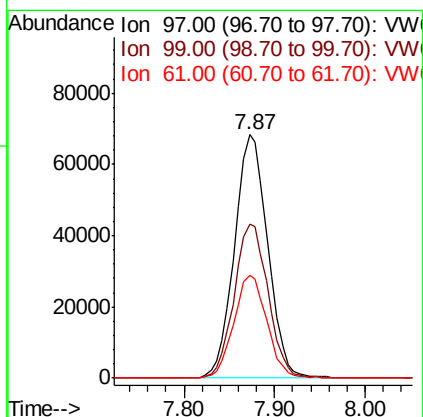
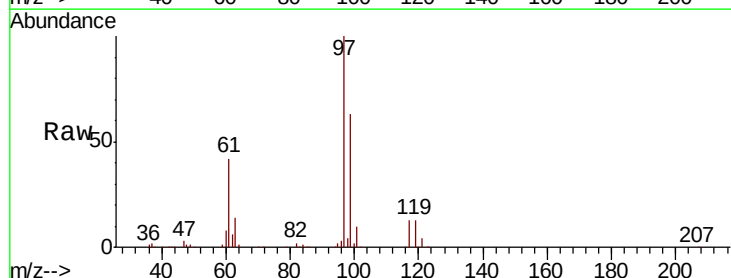
Instrument :
MSVOA_W
ClientSampled :
VICV83

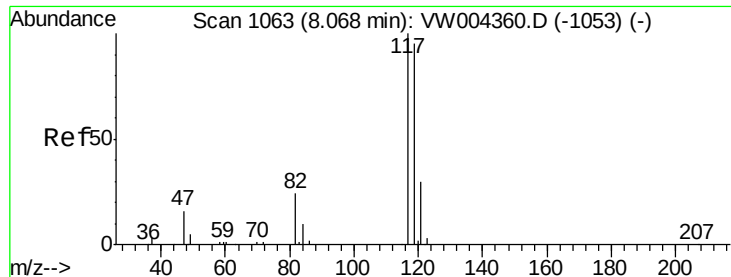
Tot Ion	56	Resp	198828
Ion Ratio	Lower	Upper	
56	100		
69	29.9	25.7	38.5
84	85.4	73.8	110.6



#31
1,1,1-Trichloroethane
Concen: 24.511 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion	97	Resp	173665
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.4	77.0
61	42.3	32.2	48.2





#32

Carbon tetrachloride

Concen: 24.845 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

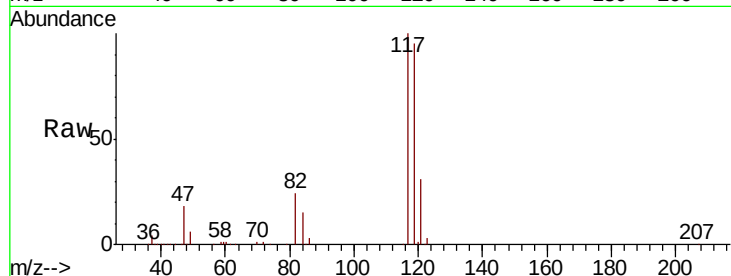
VICV83

Tot Ion:117 Resp: 171441

Ion Ratio Lower Upper

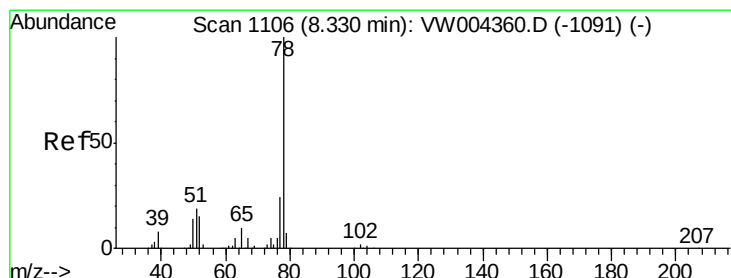
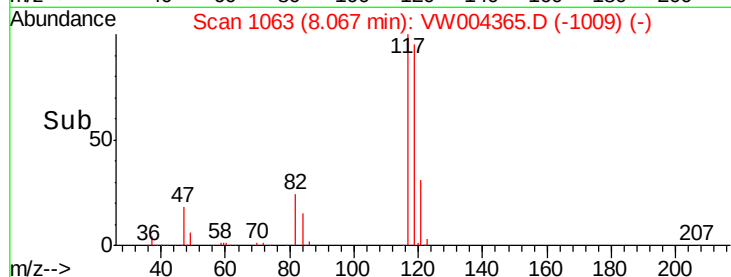
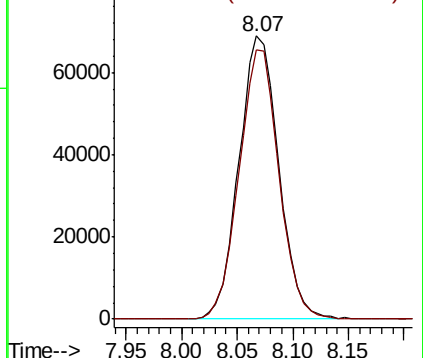
117 100

119 95.5 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.193 ug/L

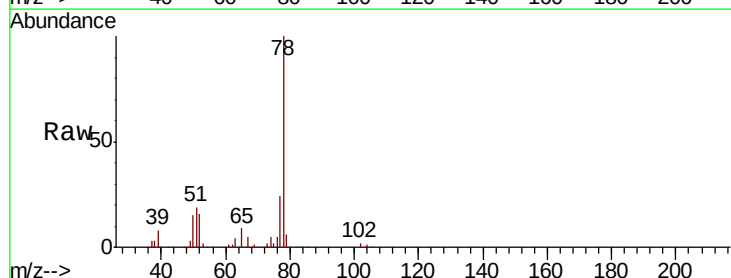
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

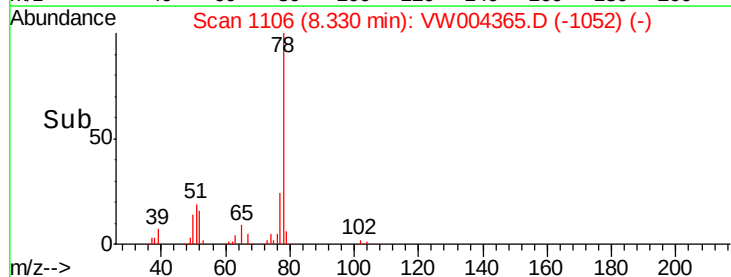
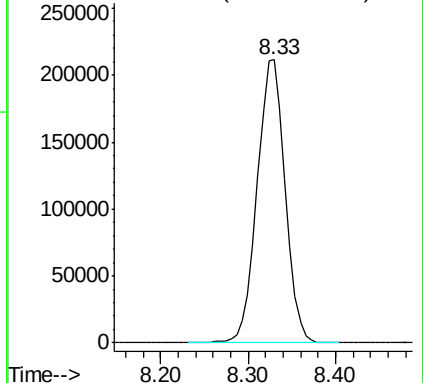
Lab File: VW004365.D

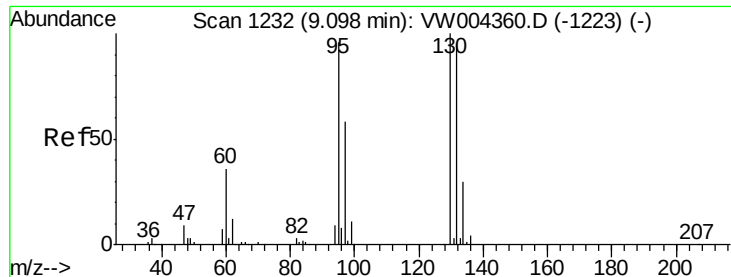
Acq: 31 Jul 2018 19:22

Tgt Ion: 78 Resp: 472210



Abundance Ion 78.00 (77.70 to 78.70): VW

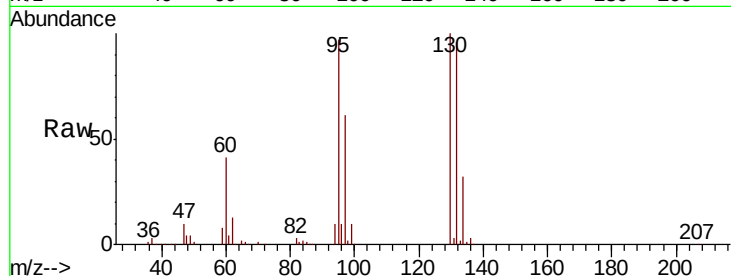




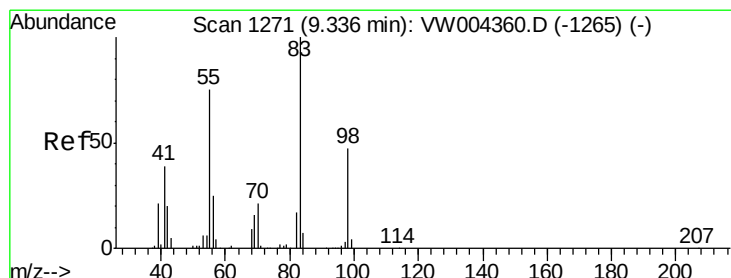
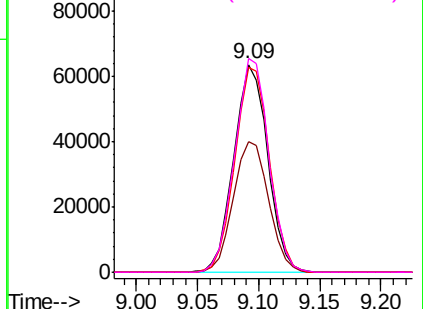
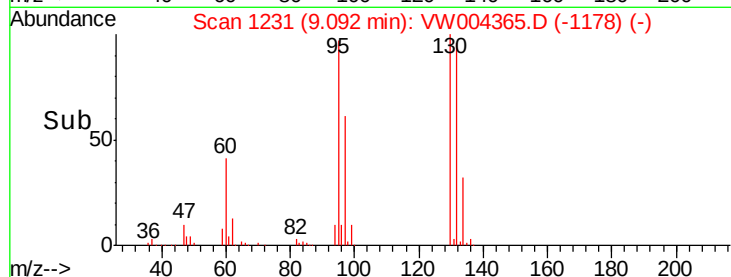
#35
 Trichloroethene
 Concen: 24.367 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Instrument :
 MSVOA_W
 ClientSampleID :
 VICV83

Tot Ion:	95	Resp:	122261
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.6	84.6
132	100.7	71.2	132.2
130	103.7	73.9	137.3

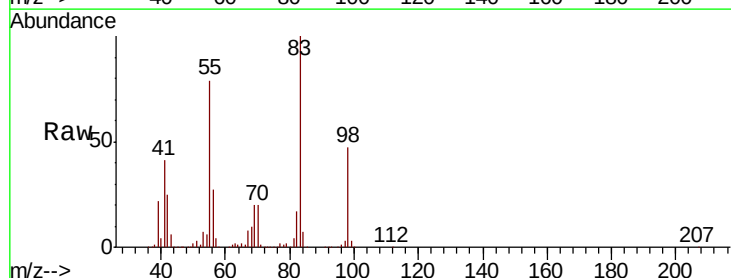


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

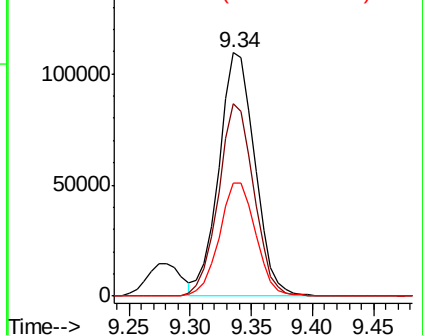
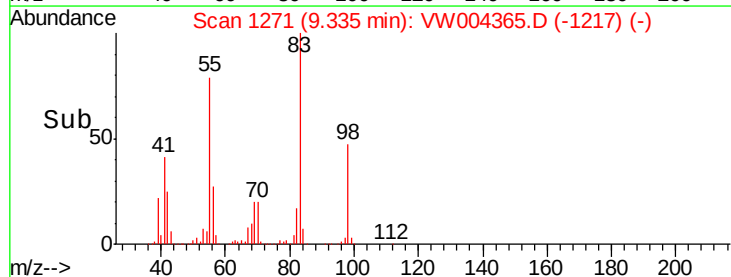


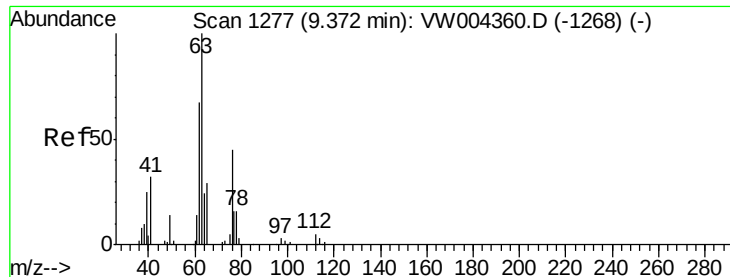
#36
 Methylcyclohexane
 Concen: 24.983 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Tgt Ion:	83	Resp:	223592
Ion	Ratio	Lower	Upper
83	100		
55	78.1	58.2	87.2
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

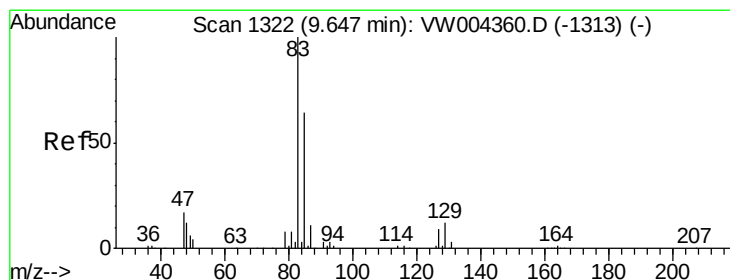
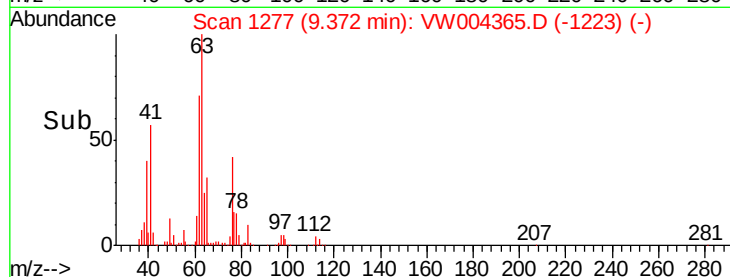
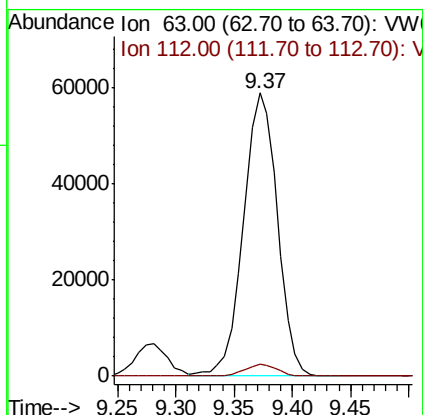
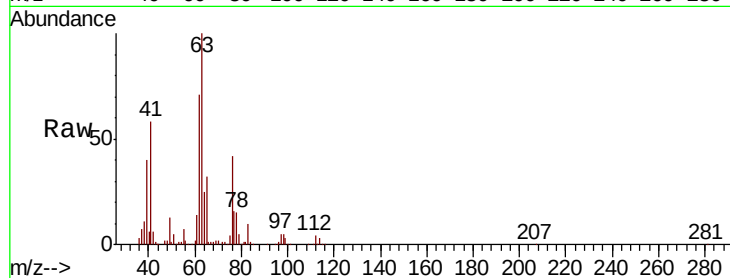




#40
 1,2-Dichloropropane
 Concen: 25.607 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

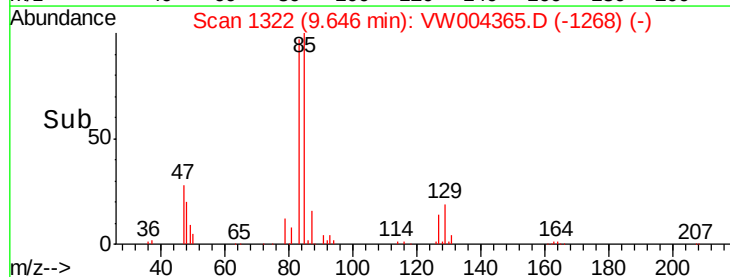
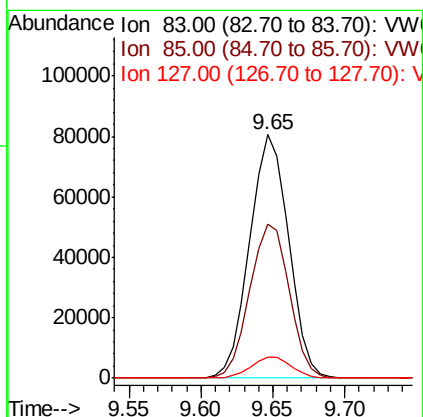
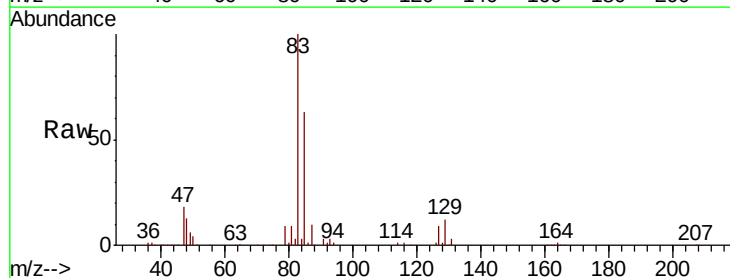
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV83

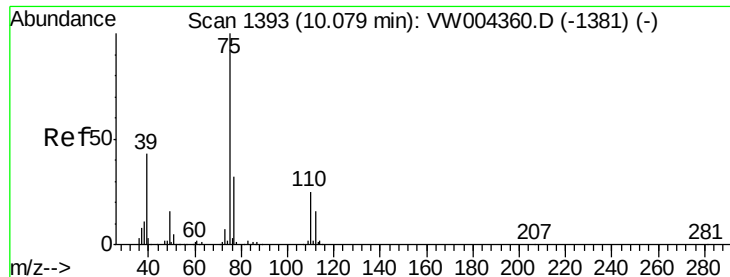
Tot Ion: 63 Resp: 120400
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.880 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Tgt Ion: 83 Resp: 151353
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.9 83.3
 127 8.8 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.217 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampled :

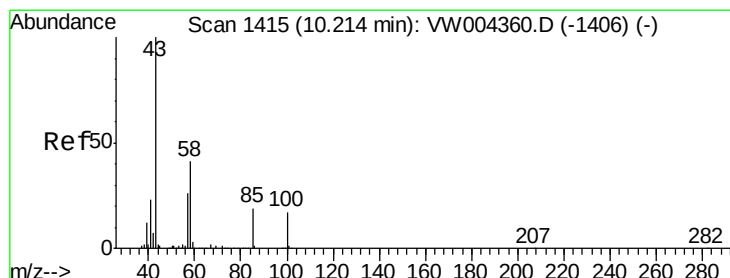
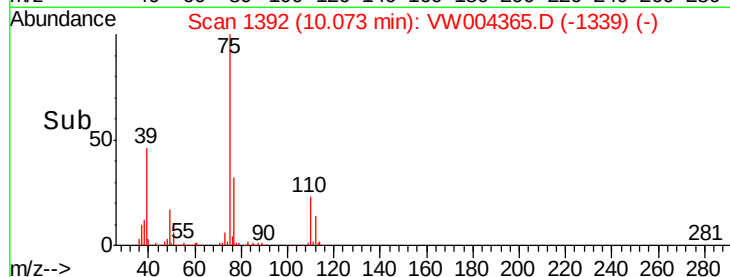
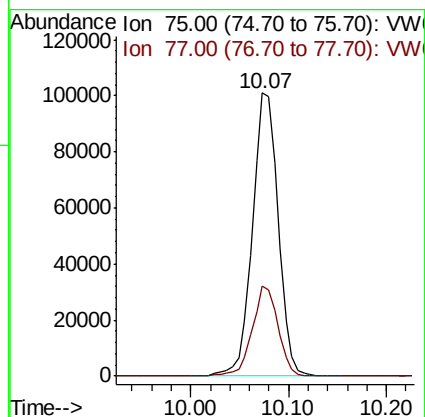
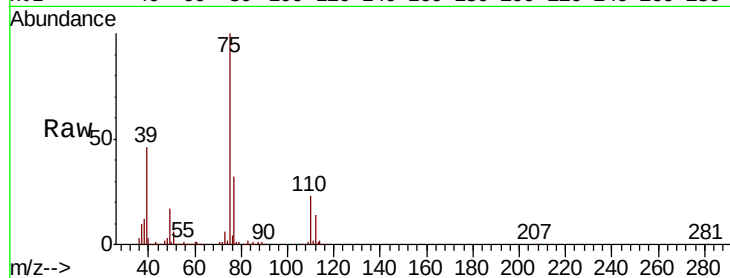
VICV83

Tot Ion: 75 Resp: 185981

Ion Ratio Lower Upper

75 100

77 31.7 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 53.755 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

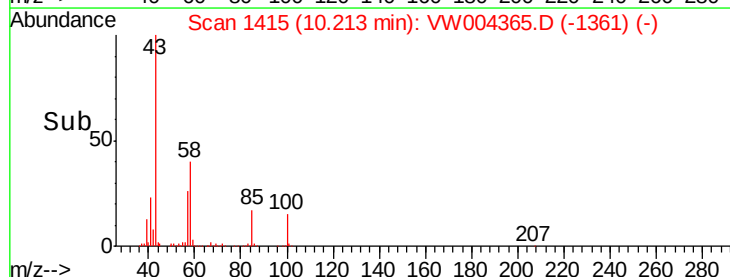
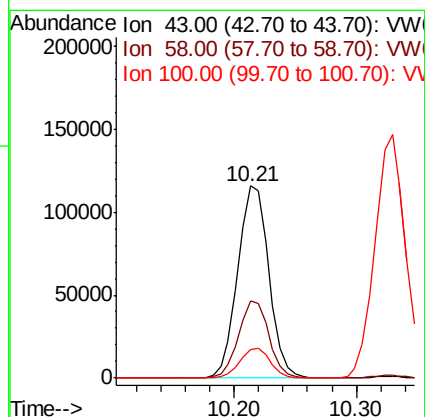
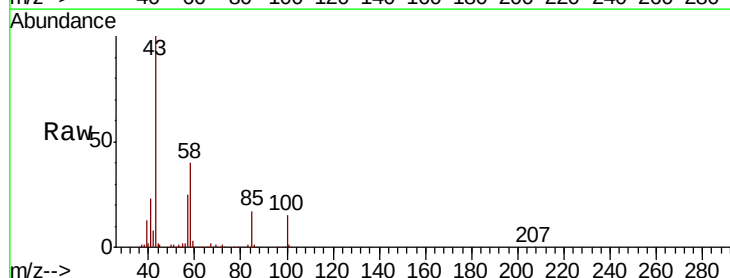
Tgt Ion: 43 Resp: 204614

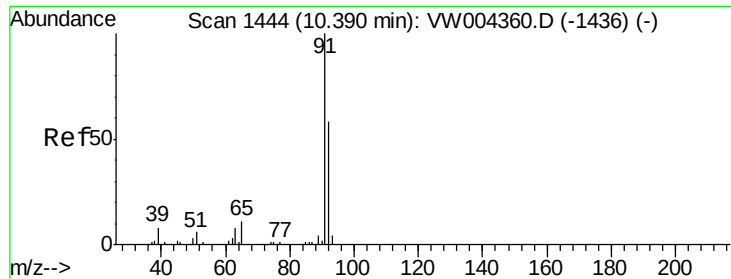
Ion Ratio Lower Upper

43 100

58 39.2 32.3 48.5

100 15.2 13.9 20.9





#44

Toluene

Concen: 25.119 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampled :

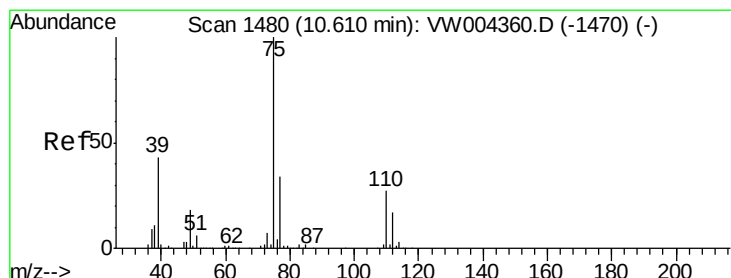
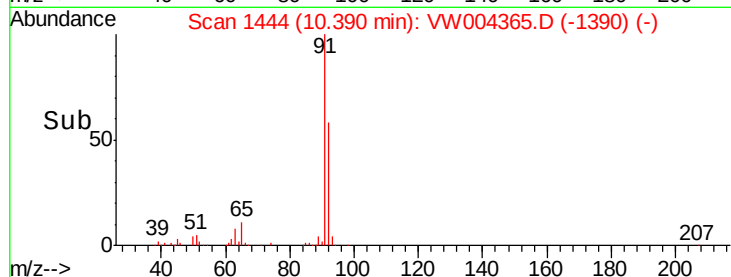
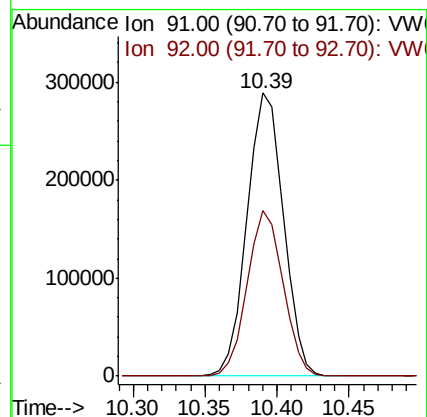
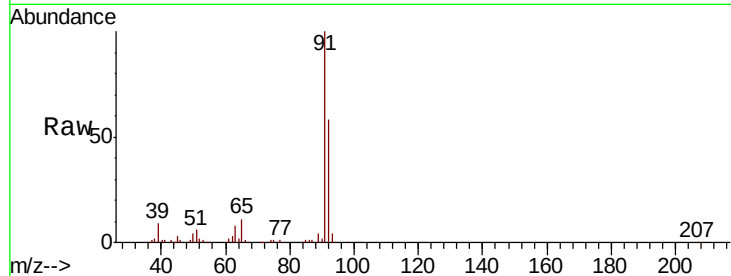
VICV83

Tot Ion: 91 Resp: 506299

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 25.458 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004365.D

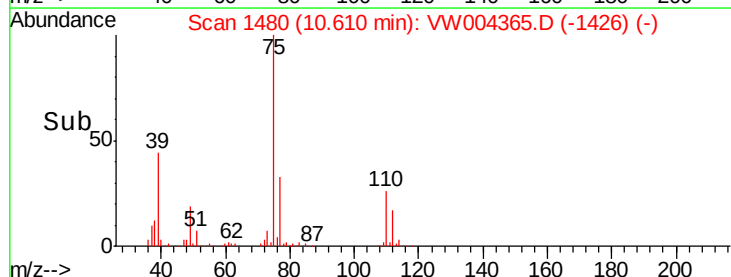
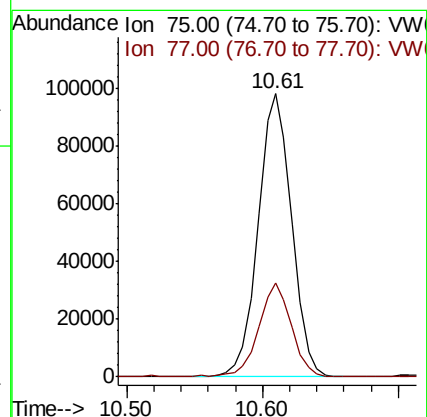
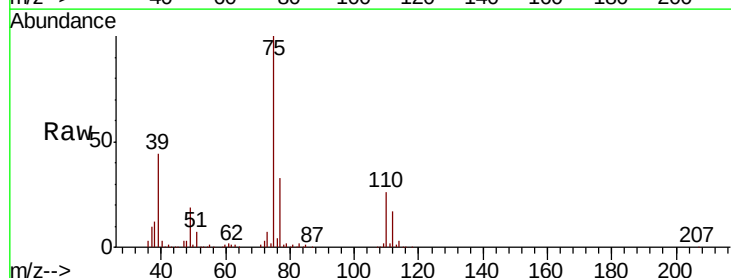
Acq: 31 Jul 2018 19:22

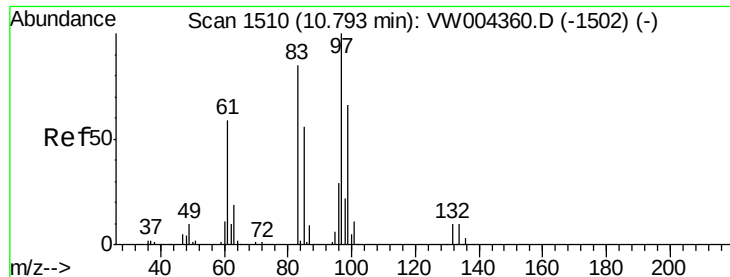
Tgt Ion: 75 Resp: 168565

Ion Ratio Lower Upper

75 100

77 33.0 23.9 44.5

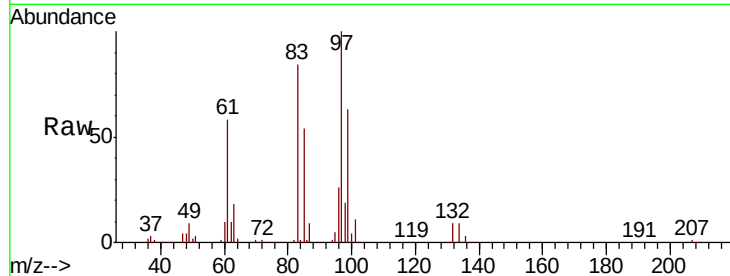




#46
 1,1,2-Trichloroethane
 Concen: 25.158 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Instrument :
 MSVOA_W
 ClientSampled :
 VICV83

Tot Ion:	97	Resp:	97546
Ion	Ratio	Lower	Upper
97	100		
83	84.5	59.4	110.2
85	54.0	39.0	72.4
99	62.7	46.0	85.4



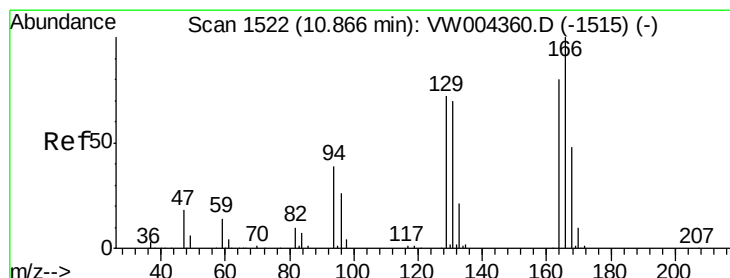
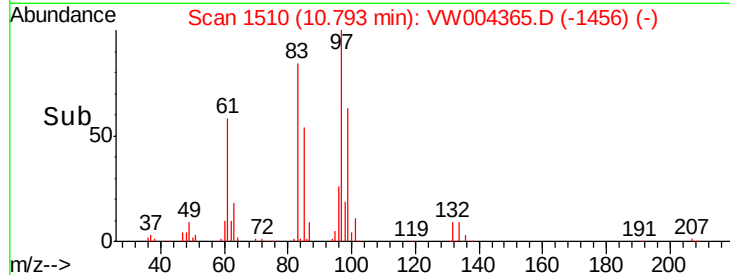
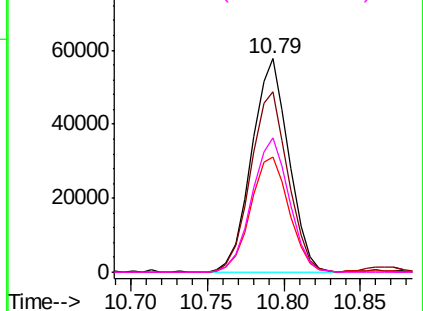
Abundance

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: 24.852 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Tgt Ion:	164	Resp:	107067
Ion	Ratio	Lower	Upper
164	100		
129	92.8	63.7	118.3
131	86.9	61.6	114.4
166	125.7	87.9	163.3

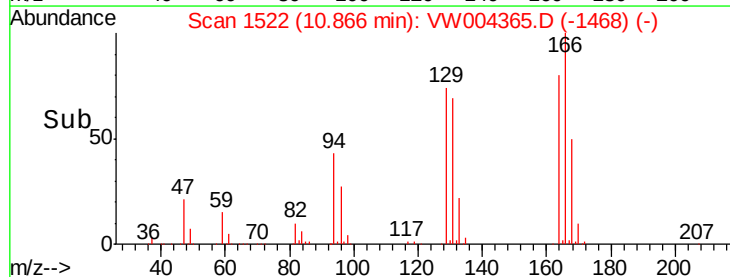
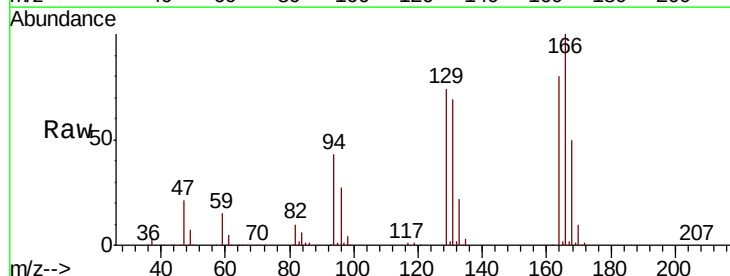
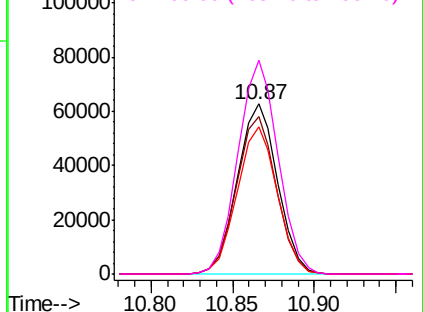
Abundance

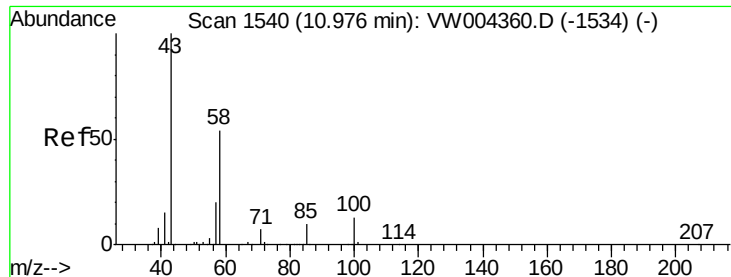
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

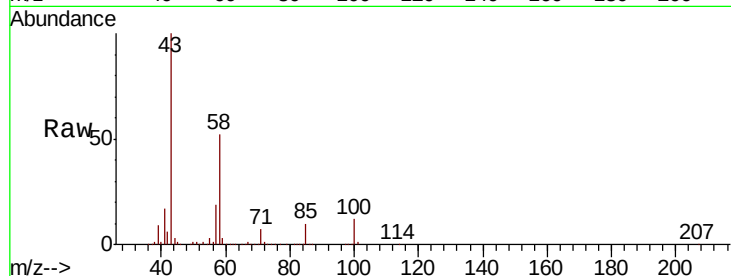




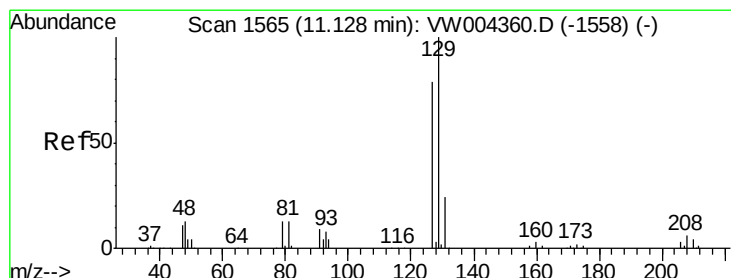
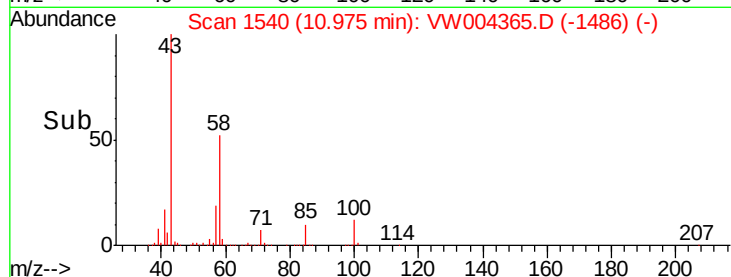
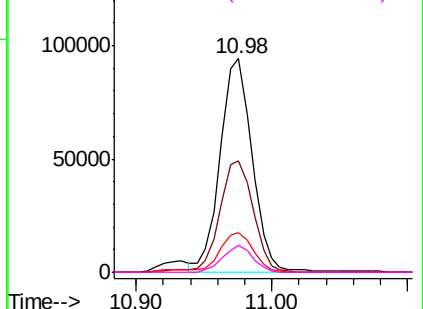
#49
2-Hexanone
Concen: 54.953 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Instrument :
MSVOA_W
ClientSampleId :
VICV83

Tot Ion: 43 Resp: 155464
Ion Ratio Lower Upper
43 100
58 53.7 44.0 66.0
57 19.1 16.0 24.0
100 11.7 10.7 16.1

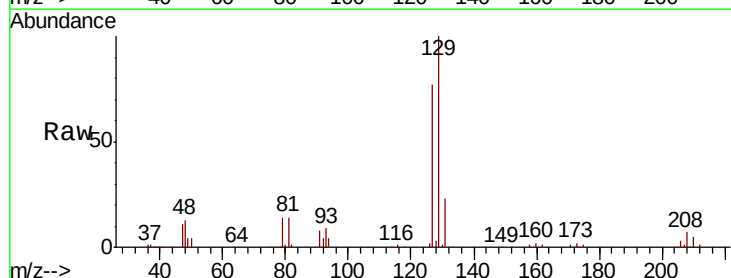


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

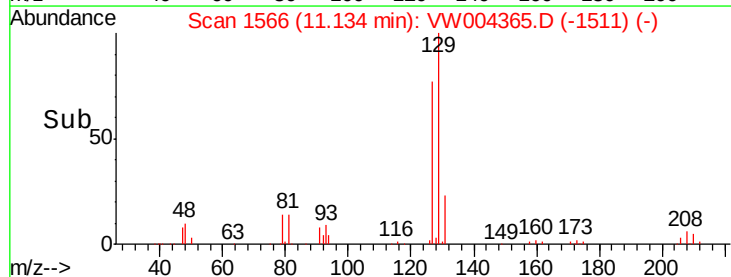
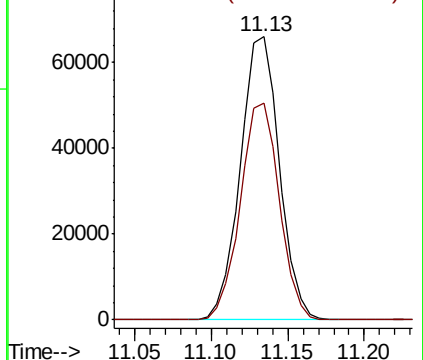


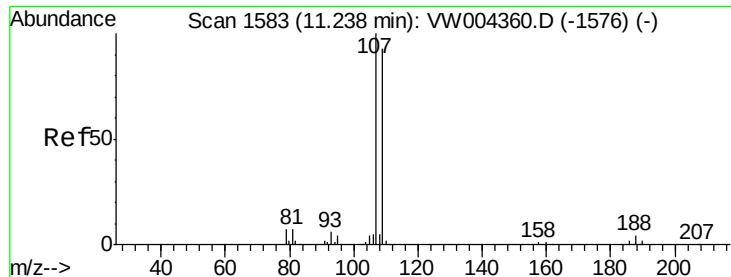
#50
Dibromochloromethane
Concen: 24.850 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion: 129 Resp: 117377
Ion Ratio Lower Upper
129 100
127 76.7 55.6 103.2



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





#51

1,2-Dibromoethane

Concen: 24.894 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

VICV83

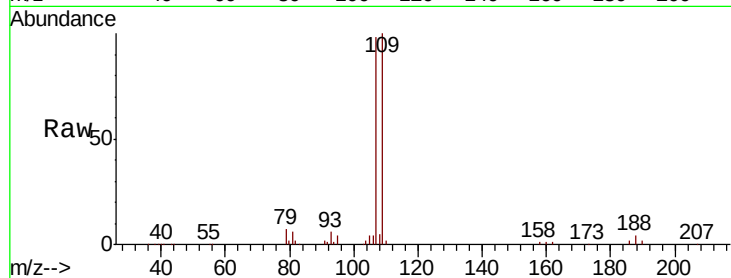
Tot Ion:107 Resp: 95663

Ion Ratio Lower Upper

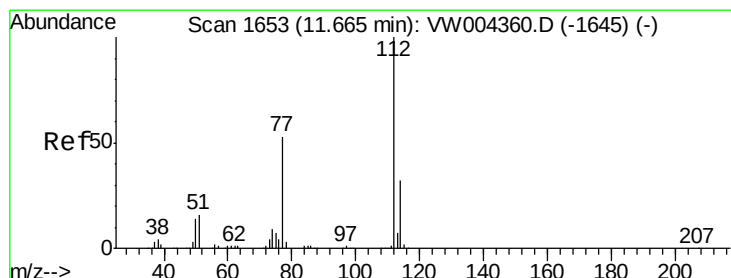
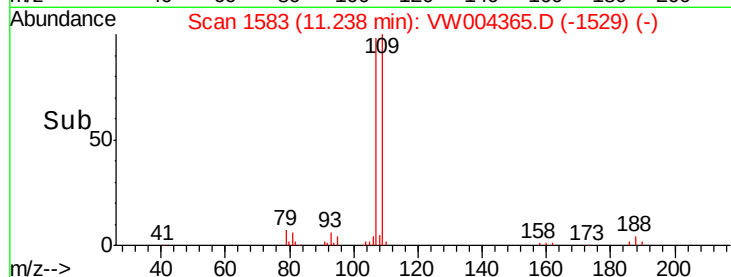
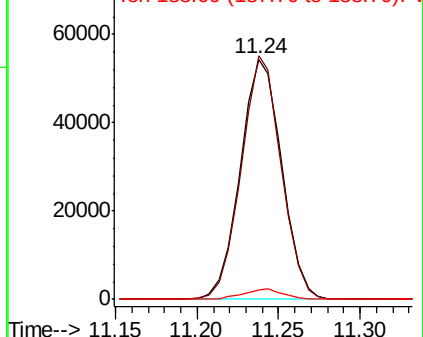
107 100

109 101.5 65.1 120.9

188 3.8 3.2 4.8



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: 24.249 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

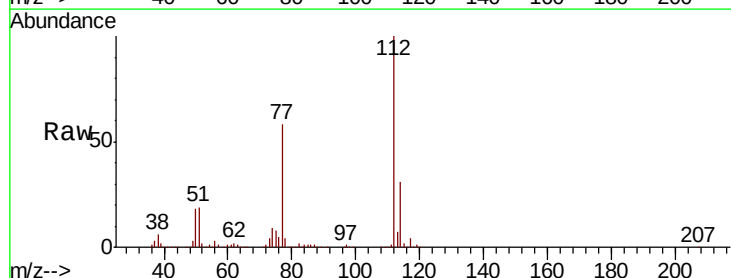
Tgt Ion:112 Resp: 325333

Ion Ratio Lower Upper

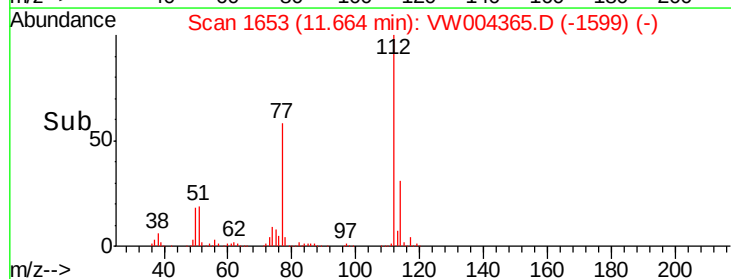
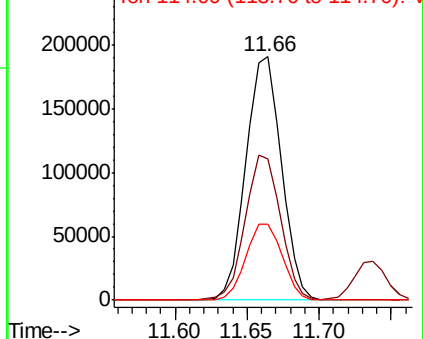
112 100

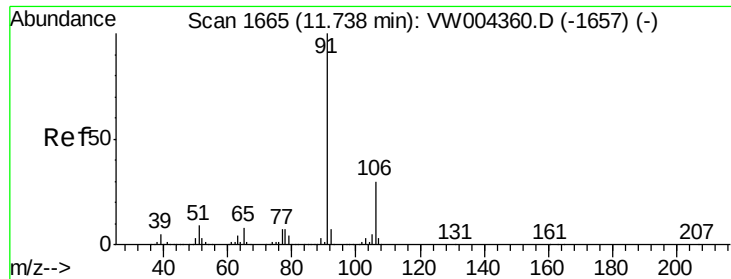
77 58.0 42.9 64.3

114 31.2 22.0 41.0



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: 24.432 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

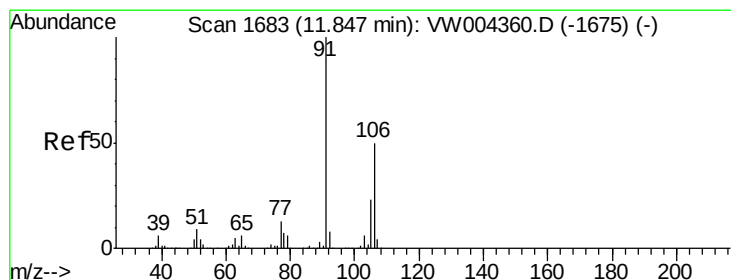
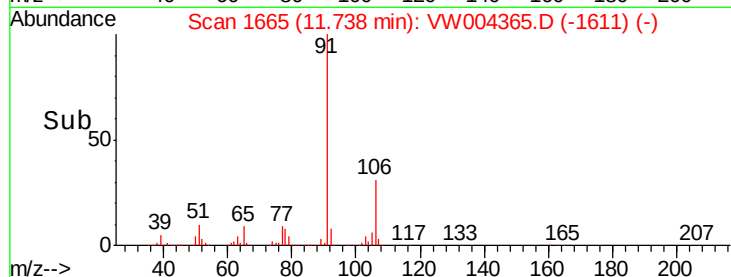
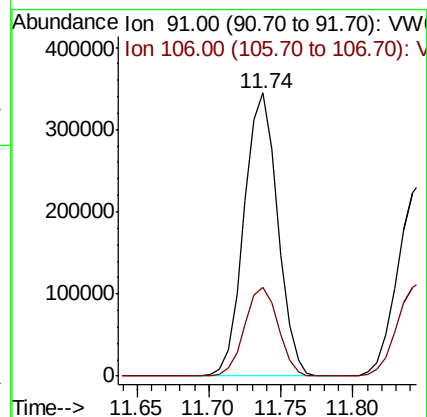
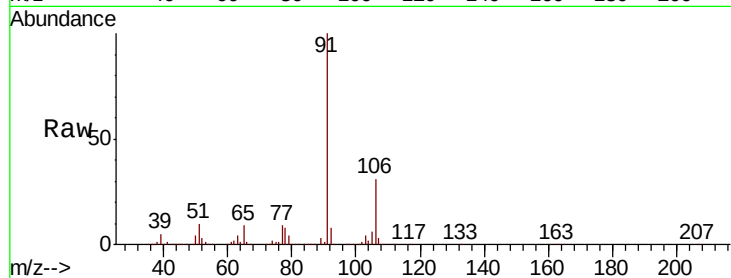
VICV83

Tot Ion: 91 Resp: 557124

Ion Ratio Lower Upper

91 100

106 31.4 20.7 38.5



#54

m,p-Xylene

Concen: 25.005 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004365.D

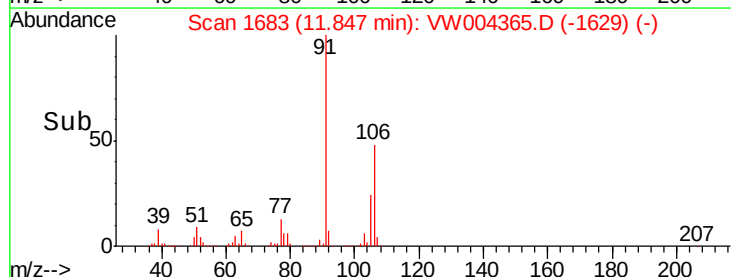
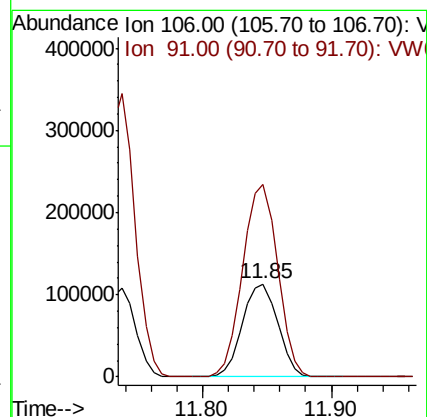
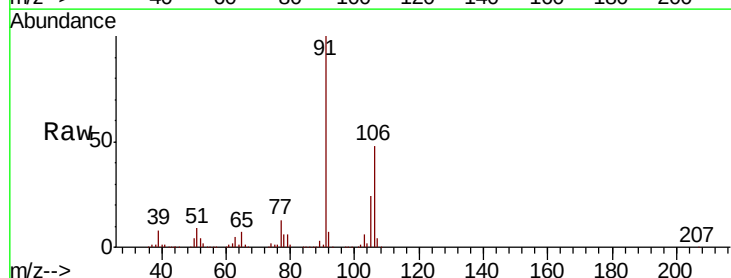
Acq: 31 Jul 2018 19:22

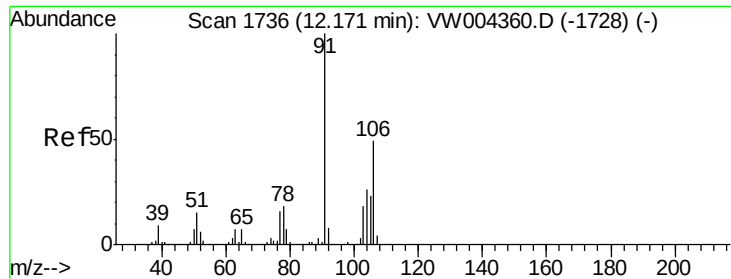
Tgt Ion: 106 Resp: 215679

Ion Ratio Lower Upper

106 100

91 206.8 139.2 258.6

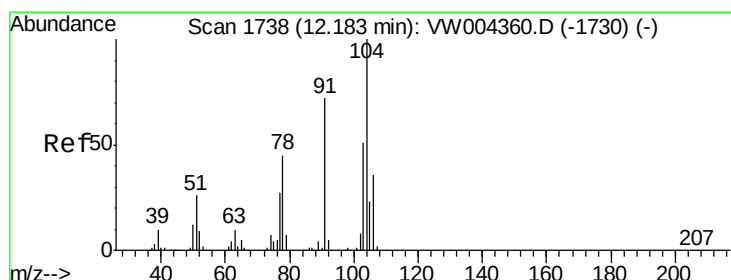
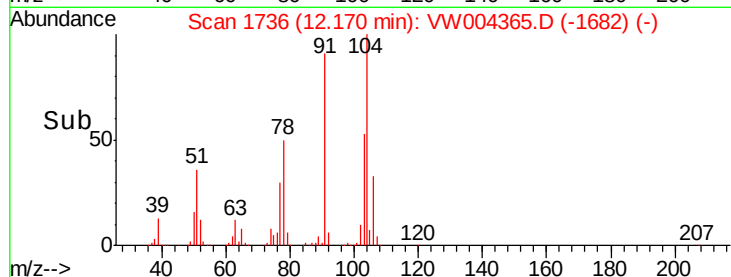
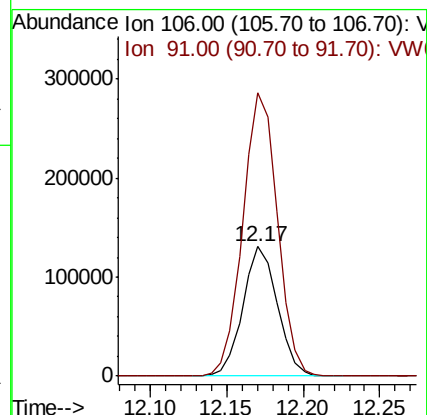
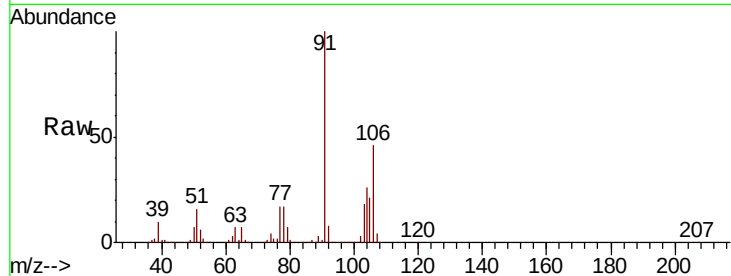




#55
o-xylene
Concen: 25.128 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

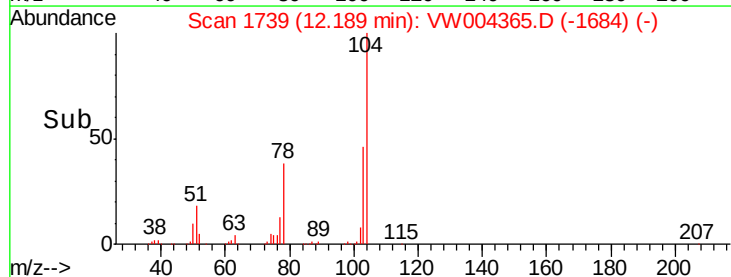
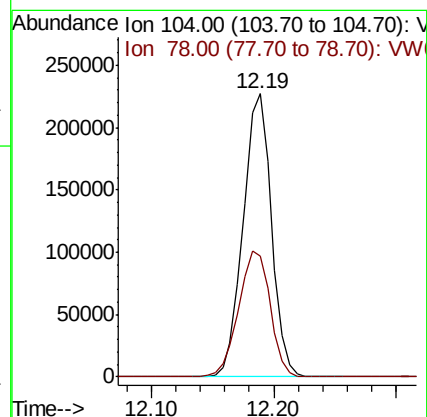
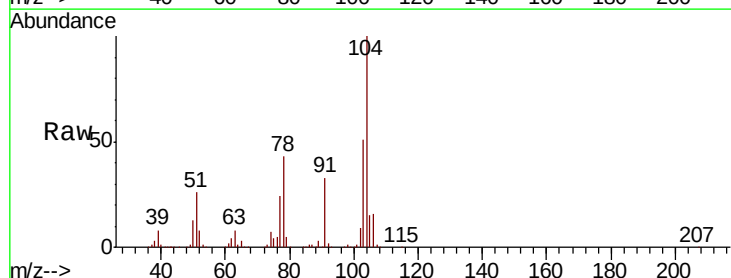
Instrument :
MSVOA_W
ClientSampleId :
VICV83

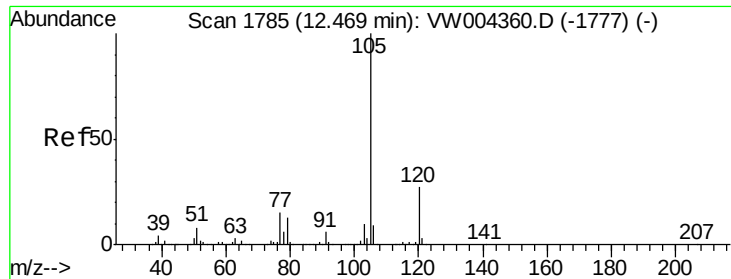
Tot Ion:106 Resp: 204708
Ion Ratio Lower Upper
106 100
91 218.3 143.4 266.4



#56
Styrene
Concen: 25.810 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004365.D
Acq: 31 Jul 2018 19:22

Tgt Ion:104 Resp: 363983
Ion Ratio Lower Upper
104 100
78 42.7 31.7 58.9





#57

Isopropylbenzene

Concen: 25.754 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

VICV83

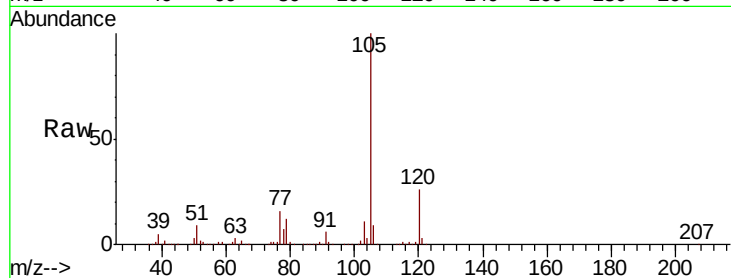
Tot Ion:105 Resp: 588242

Ion Ratio Lower Upper

105 100

120 26.3 21.8 32.8

77 15.2 11.8 17.8

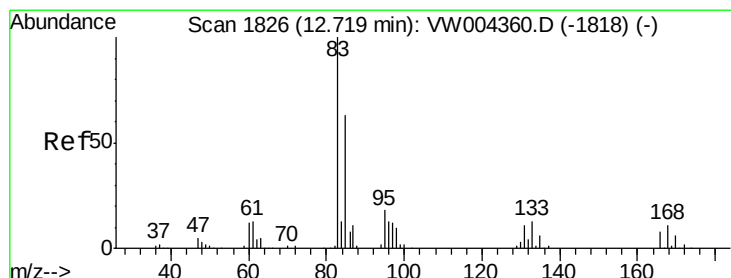
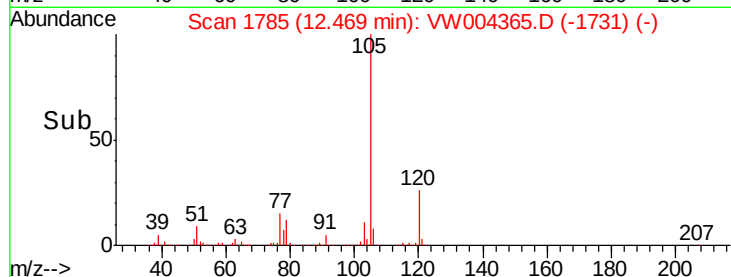
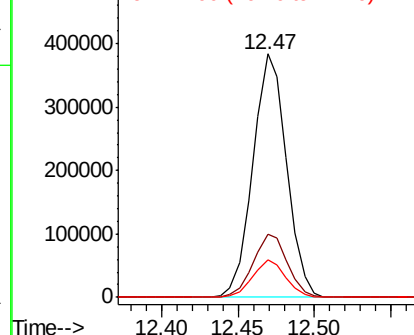


Abundance

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: 26.080 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

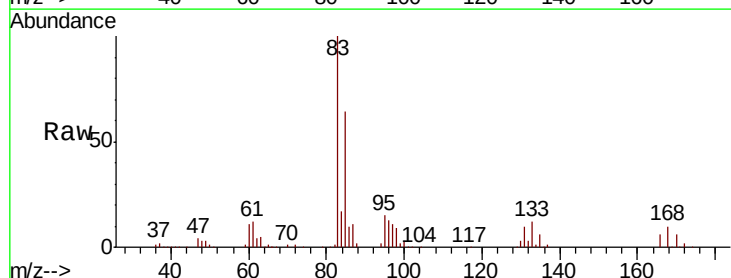
Tgt Ion: 83 Resp: 138832

Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

131 9.6 9.1 13.7

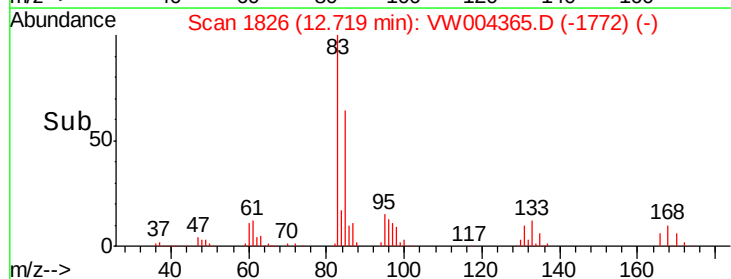
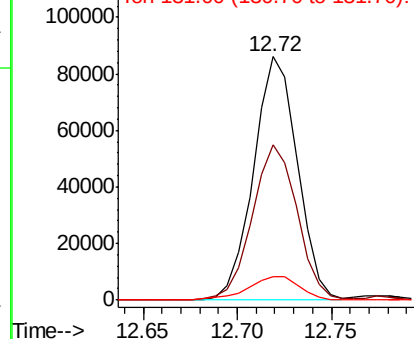


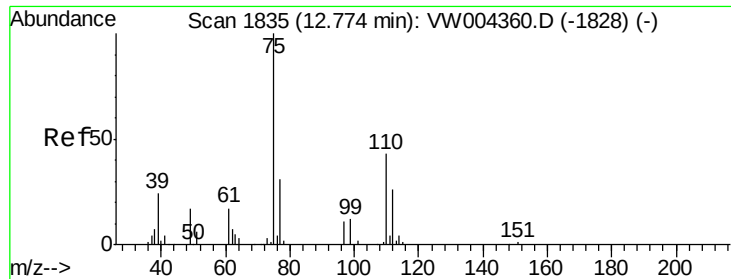
Abundance

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: 25.805 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampled :

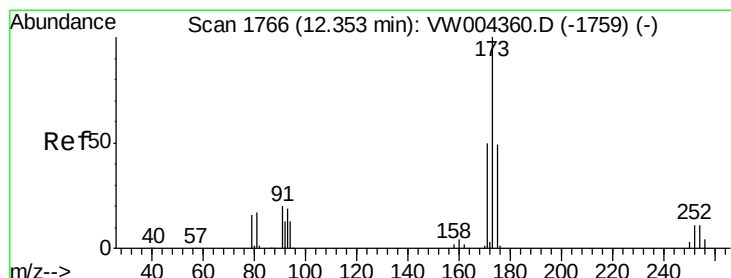
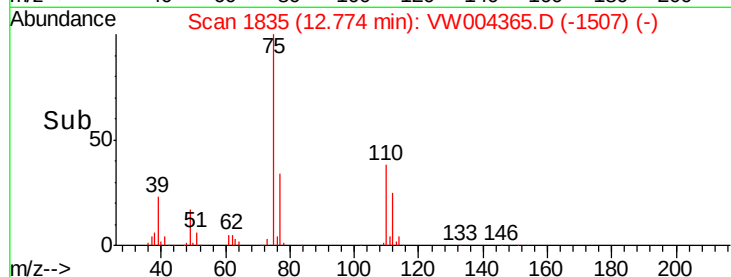
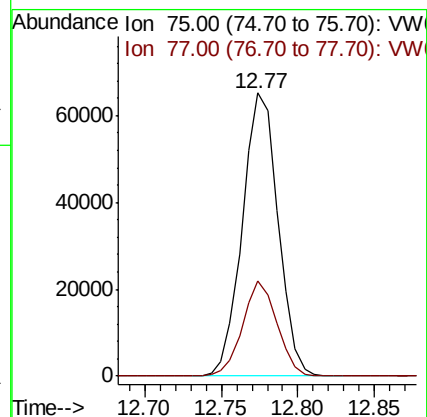
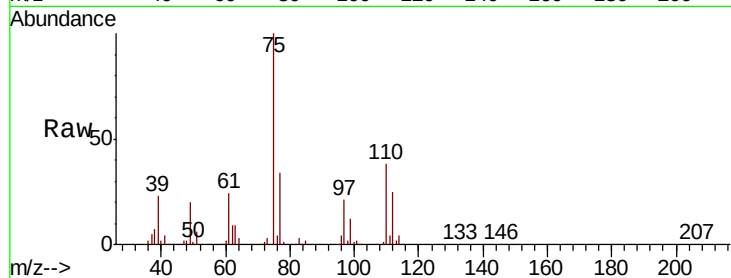
VICV83

Tot Ion: 75 Resp: 105760

Ion Ratio Lower Upper

75 100

77 32.5 26.6 40.0



#62

Bromoform

Concen: 24.361 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

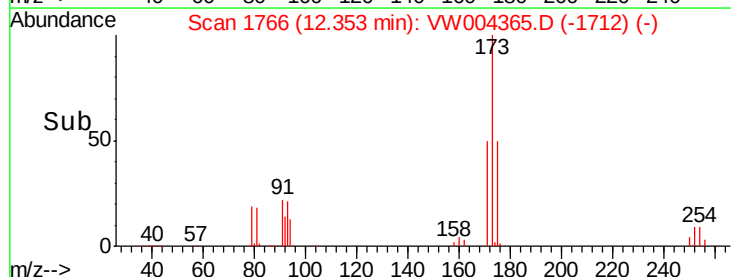
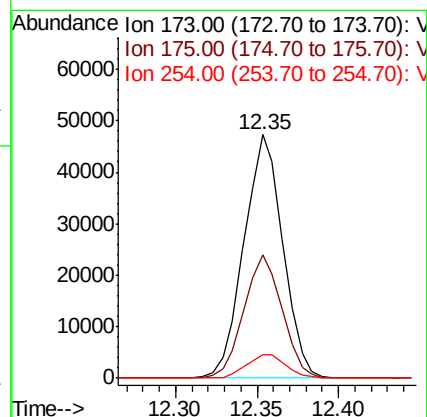
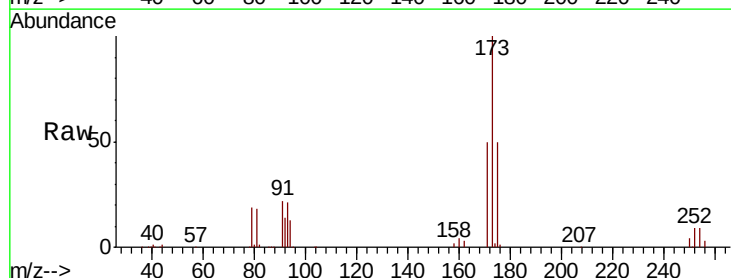
Tgt Ion:173 Resp: 78443

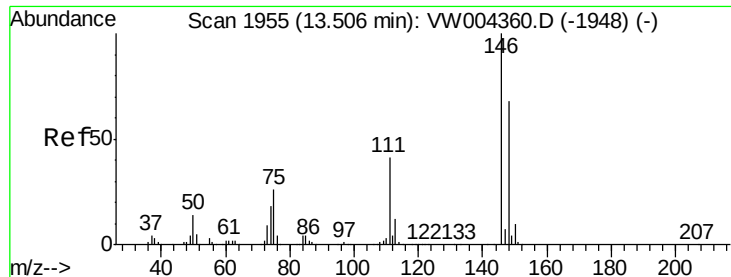
Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

254 9.9 8.6 12.8





#63

1,3-Dichlorobenzene

Concen: 24.549 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampleId :

VICV83

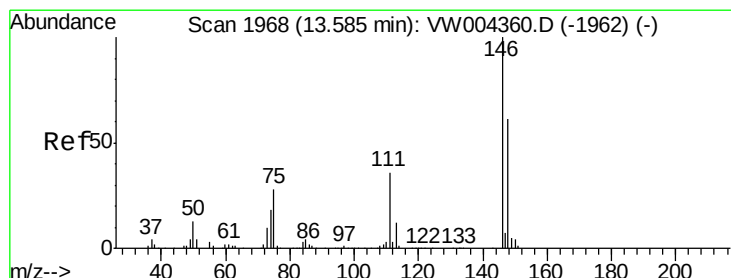
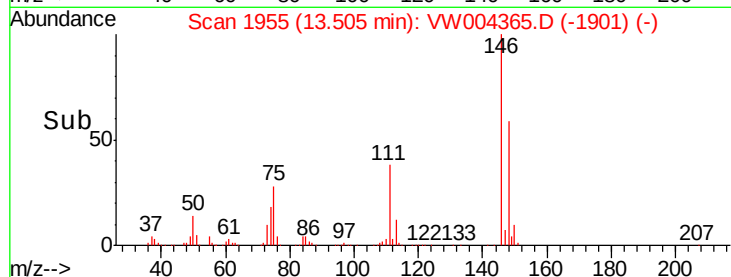
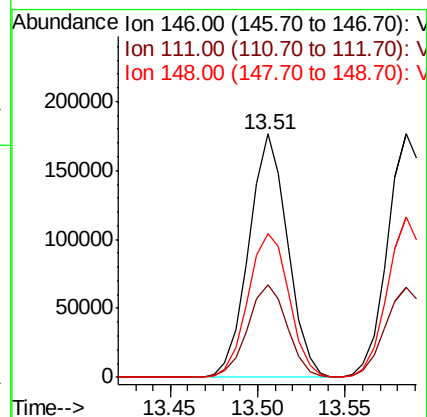
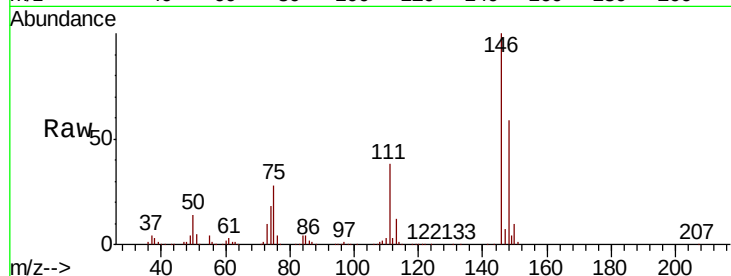
Tot Ion:146 Resp: 273322

Ion Ratio Lower Upper

146 100

111 37.8 28.6 53.2

148 59.0 47.7 88.5



#64

1,4-Dichlorobenzene

Concen: 24.149 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

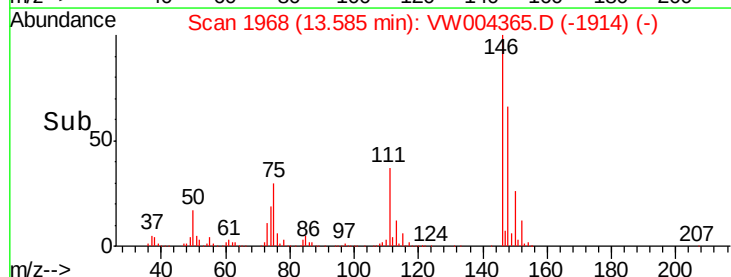
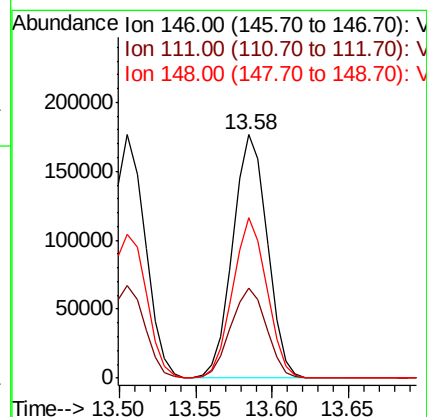
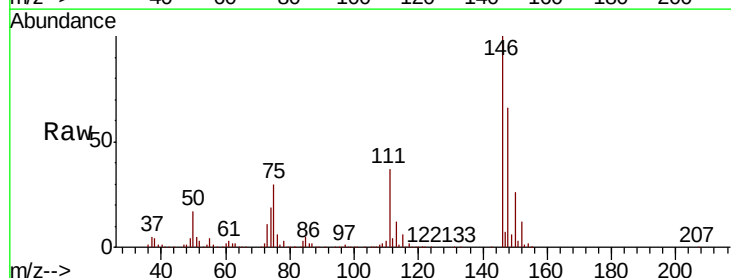
Tgt Ion:146 Resp: 276632

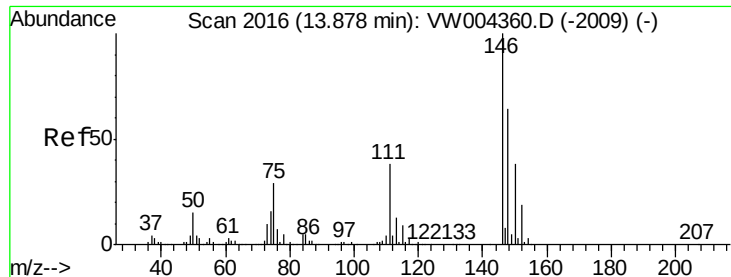
Ion Ratio Lower Upper

146 100

111 36.8 25.4 47.2

148 65.8 42.8 79.6

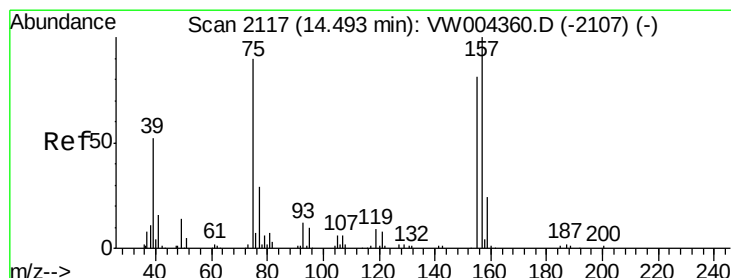
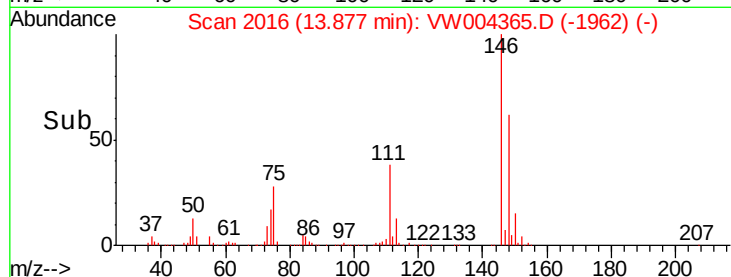
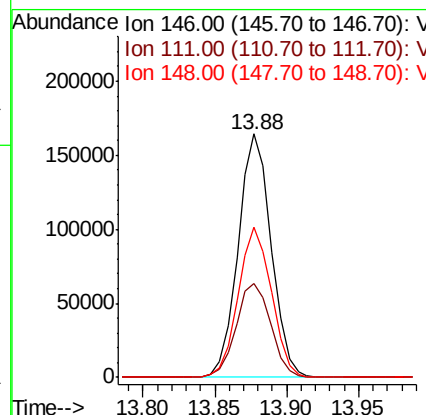
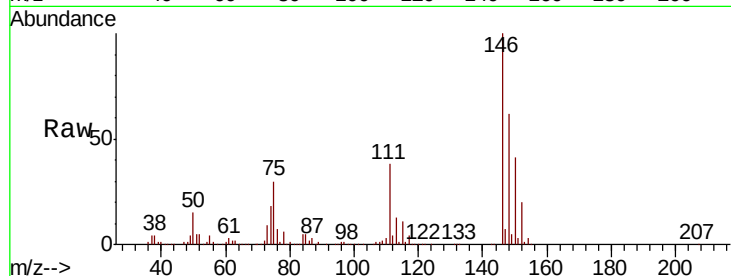




#65
 1,2-Dichlorobenzene
 Concen: 24.835 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

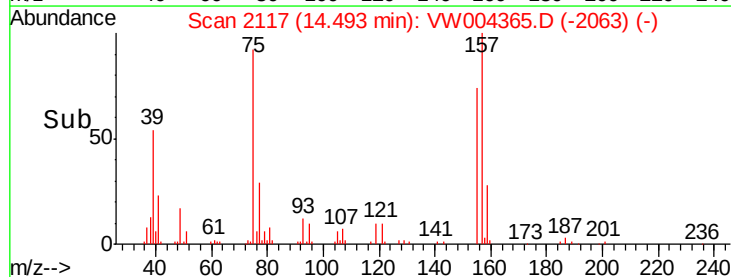
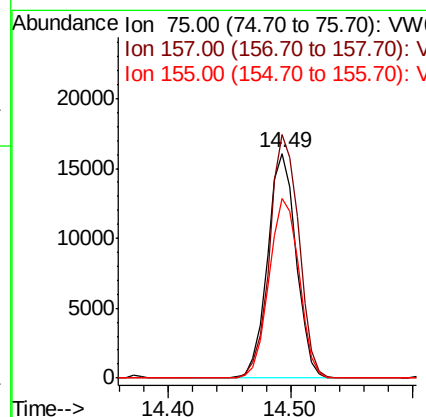
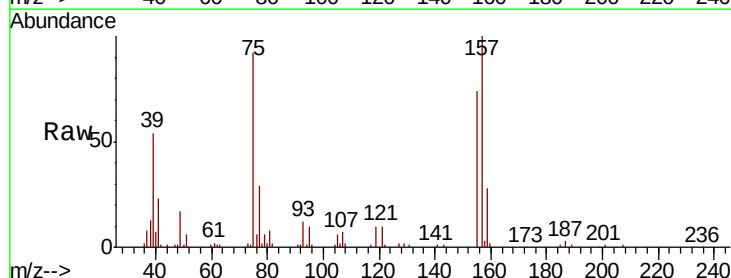
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV83

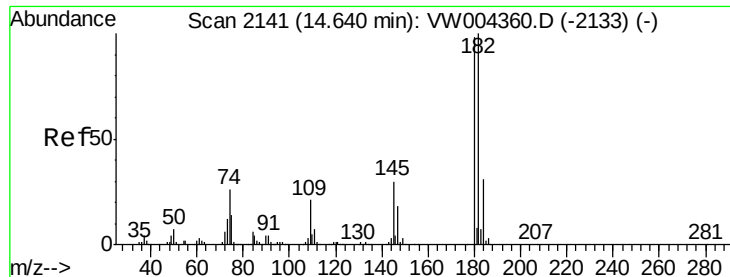
Tot Ion:146 Resp: 261400
 Ion Ratio Lower Upper
 146 100
 111 38.4 30.2 45.4
 148 61.6 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.156 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Tgt Ion: 75 Resp: 26090
 Ion Ratio Lower Upper
 75 100
 157 108.4 88.6 132.8
 155 79.7 71.8 107.6

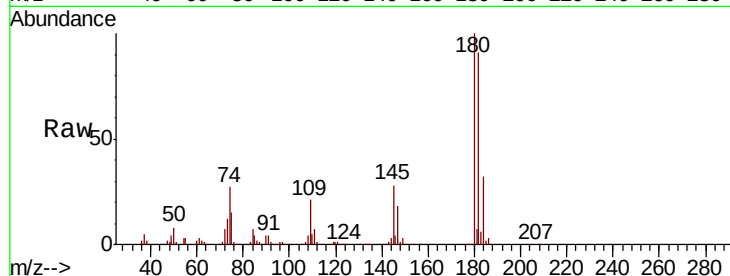




#67
 1,3,5-Trichlorobenzene
 Concen: 24.320 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV83

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.7	116.5
184	30.3	24.6	37.0
145	29.1	23.6	35.4



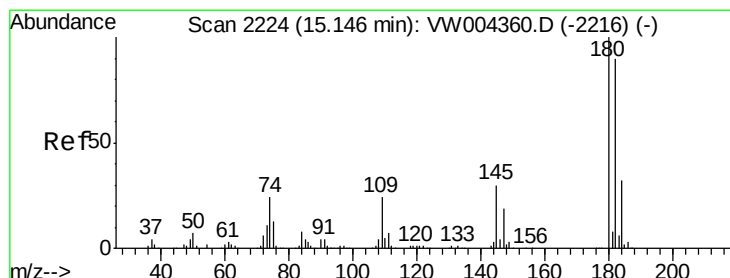
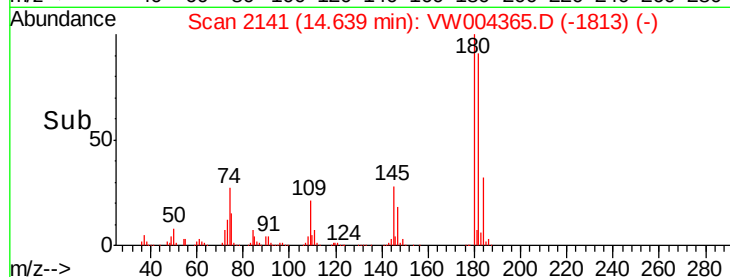
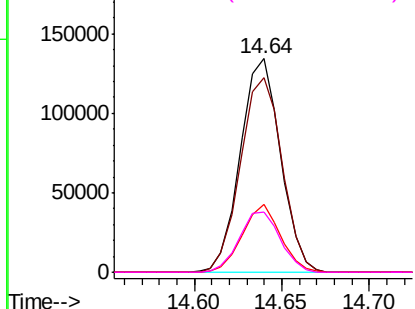
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

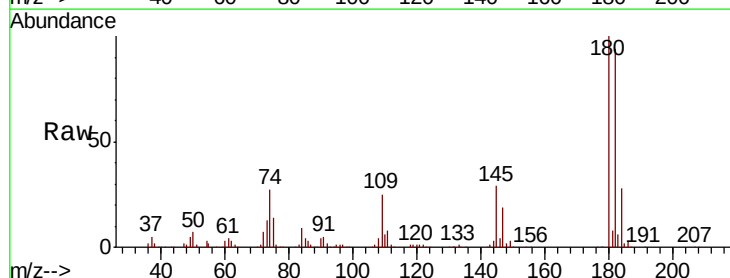
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.526 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004365.D
 Acq: 31 Jul 2018 19:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.5	113.3
145	29.4	24.2	36.2

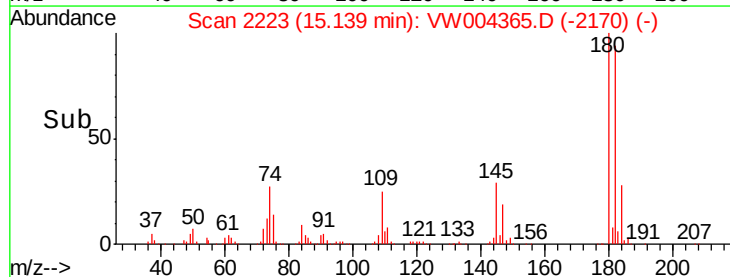
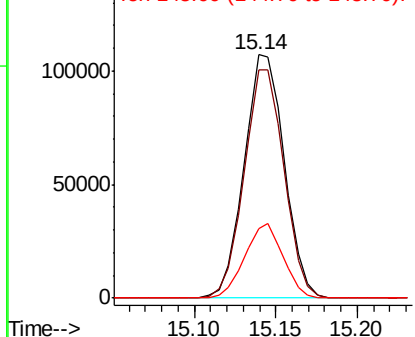


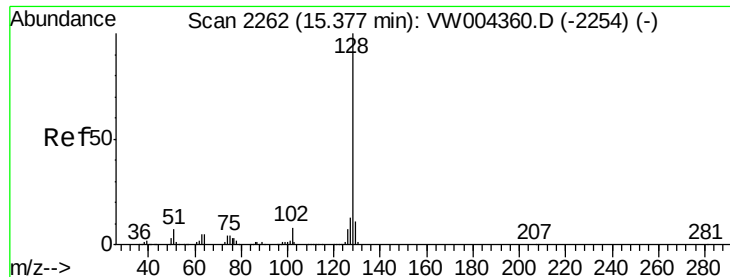
Abundance

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: 24.129 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

Instrument :

MSVOA_W

ClientSampled :

VICV83

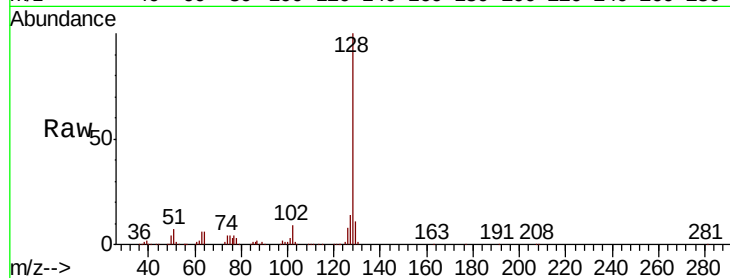
Tot Ion:128 Resp: 408785

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.6 10.4 15.6

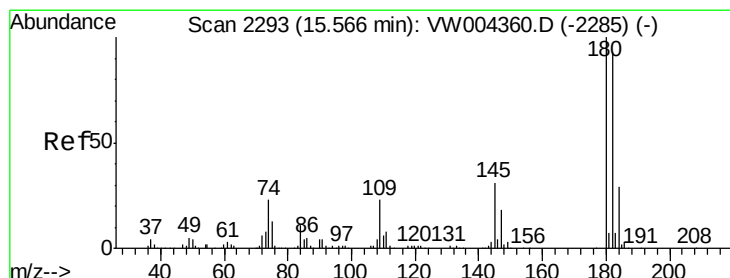
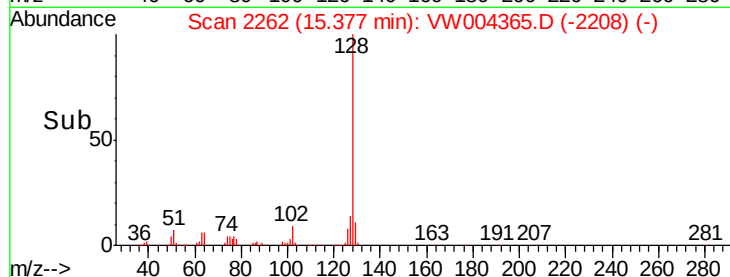
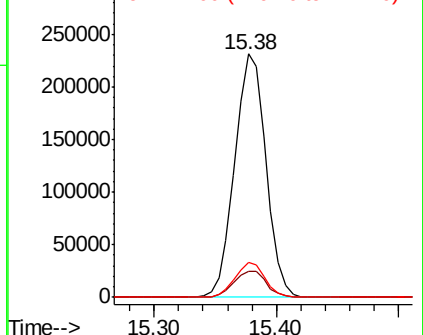


Abundance

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: 25.014 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004365.D

Acq: 31 Jul 2018 19:22

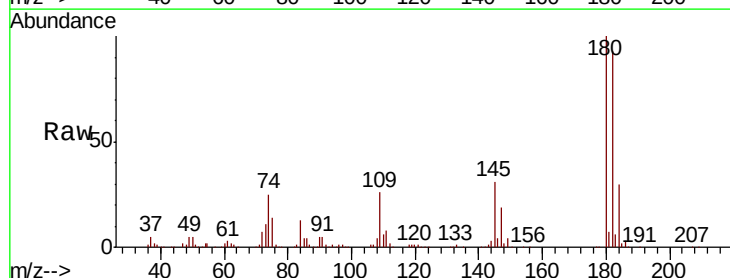
Tgt Ion:180 Resp: 173512

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.4

145 32.1 25.4 38.0



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

