

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080718\
 Data File : VW004504.D
 Acq On : 07 Aug 2018 20:45
 Operator : SY/AP
 Sample : VW0807SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Quant Time: Aug 08 07:40:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 05:39:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1086061	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1045391	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	561894	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.22	65	397	0.03	ug/L	-0.13
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.12%#
7) Chloroethane-d5	2.98	69	189	0.02	ug/L	0.09
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.08%#
10) 1,1-Dichloroethene-d2	4.03	63	77549	2.83	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	11.32%#
20) 2-Butanone-d5	7.10	46	34	0.01	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.02%#
24) Chloroform-d	7.68	84	11874	0.40	ug/L	0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	1.60%#
26) 1,2-Dichloroethane-d4	8.31	65	396576	24.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.76%
29) Benzene-d6	8.24	84	55	0.00	ug/L	-0.04
Spiked Amount	25.000	Range	20 - 135	Recovery	=	0.00%#
33) 1,2-Dichloropropane-d6	9.27	67	54	0.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.00%#
37) Toluene-d8	10.33	98	1439535	29.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.44%
38) trans-1,3-Dichloropropene-	10.59	79	80	0.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.04%#
39) 2-Hexanone-d5	10.70	63	61	0.01	ug/L	-0.23
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.02%#
48) 1,1,2,2-Tetrachloroethane-	12.73	84	3066	0.16	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.64%#
61) 1,2-Dichlorobenzene-d4	13.63	152	26	0.00	ug/L	-0.23
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.00%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	84694	7.500	ug/L 98
3) Chloromethane	2.22	50	124163	8.325	ug/L 99
5) Vinyl chloride	2.37	62	182057	9.354	ug/L 94
6) Bromomethane	2.78	94	111689	9.922	ug/L 97
8) Chloroethane	2.93	64	113493	9.720	ug/L 99
9) Trichlorofluoromethane	3.25	101	67012	7.548	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140398	9.108	ug/L 97
12) 1,1-Dichloroethene	4.04	96	148153	9.838	ug/L # 75
13) Acetone	4.15	43	199472	38.655	ug/L 100
14) Carbon disulfide	4.38	76	479093	10.372	ug/L 100
15) Methyl Acetate	4.68	43	92970	8.839	ug/L 100
16) Methylene chloride	4.92	84	246695	11.436	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	208246	10.216	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	160613	10.429	ug/L 95
19) 1,1-Dichloroethane	6.21	63	303913	10.400	ug/L 97
21) 2-Butanone	7.18	43	301881	42.739	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	176831	10.520	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

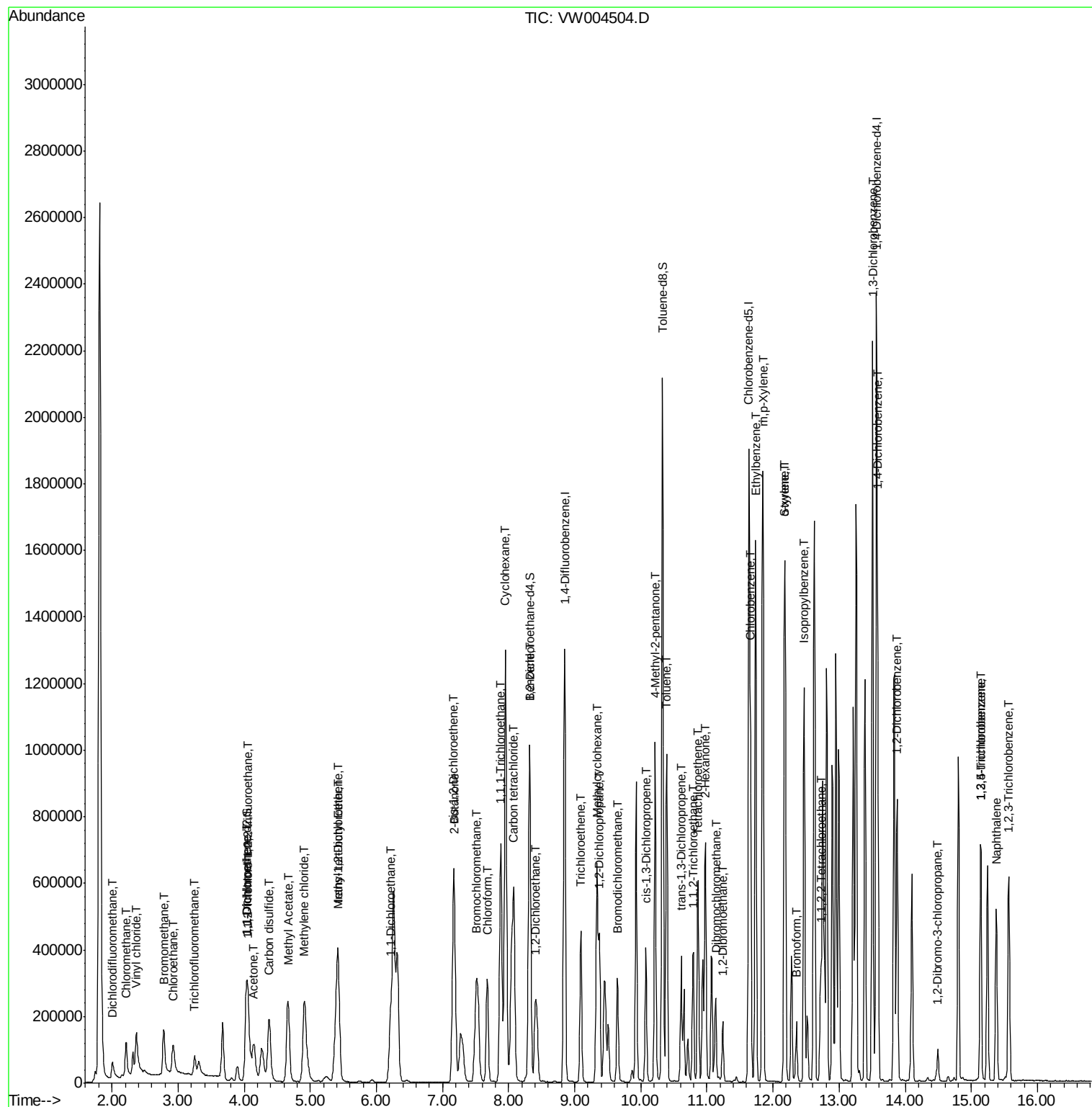
23) Bromochloromethane	7.51	128	77694	9.657	ug/L	96
25) Chloroform	7.68	83	302949	10.156	ug/L	98
27) 1,2-Dichloroethane	8.40	62	195409	9.751	ug/L	99
30) Cyclohexane	7.96	56	265896	10.755	ug/L #	91
31) 1,1,1-Trichloroethane	7.87	97	217663	9.800	ug/L	98
32) Carbon tetrachloride	8.07	117	201671	9.422	ug/L	100
34) Benzene	8.32	78	688417	10.681	ug/L	100
35) Trichloroethene	9.09	95	162516	10.024	ug/L	98
36) Methylcyclohexane	9.34	83	256454	9.011	ug/L	98
40) 1,2-Dichloropropane	9.37	63	173839	10.184	ug/L	99
41) Bromodichloromethane	9.65	83	206208	10.056	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	241574	10.345	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	663163	51.812	ug/L	100
44) Toluene	10.39	91	715956	11.038	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	204131	9.725	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	128251	9.664	ug/L	98
47) Tetrachloroethene	10.87	164	140839	10.980	ug/L	99
49) 2-Hexanone	10.98	43	445108	46.276	ug/L	100
50) Dibromochloromethane	11.13	129	135206	9.184	ug/L	98
51) 1,2-Dibromoethane	11.24	107	120651	9.484	ug/L	98
52) Chlorobenzene	11.66	112	452823	10.323	ug/L	98
53) Ethylbenzene	11.74	91	749040	10.277	ug/L	99
54) m,p-Xylene	11.85	106	594828	21.874	ug/L	96
55) o-xylene	12.17	106	277686	10.777	ug/L	100
56) Styrene	12.18	104	474483	10.568	ug/L	96
57) Isopropylbenzene	12.47	105	732114	10.497	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	160824	8.350	ug/L	98
62) Bromoform	12.35	173	83854	8.211	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	379398	10.851	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	382670	10.184	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	349461	9.975	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25226	7.010	ug/L	96
67) 1,3,5-Trichlorobenzene	15.15	180	238507	8.605	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	238507	10.637	ug/L	99
69) Naphthalene	15.38	128	430704	8.423	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	218691	10.015	ug/L	100

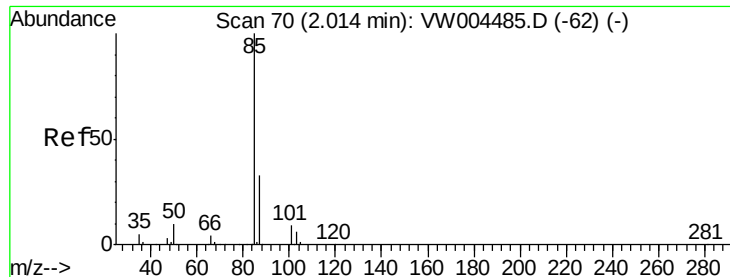
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 7.500 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

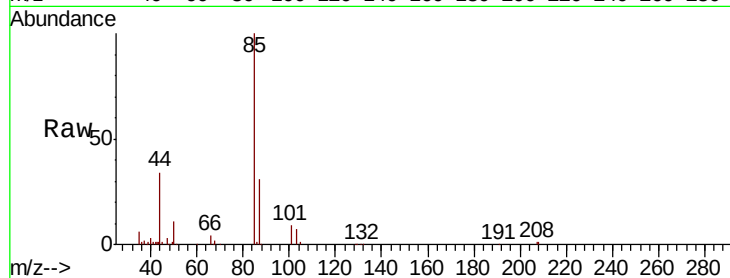
VW0808SBSD01

Tgt Ion: 85 Resp: 84694

Ion Ratio Lower Upper

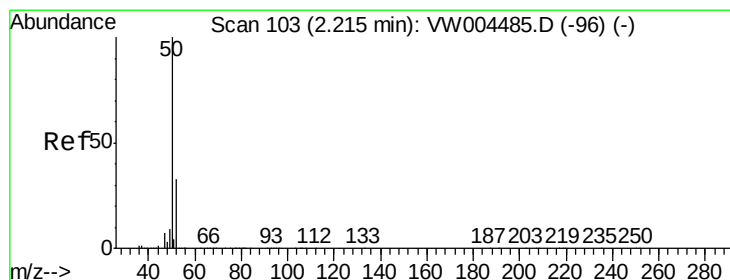
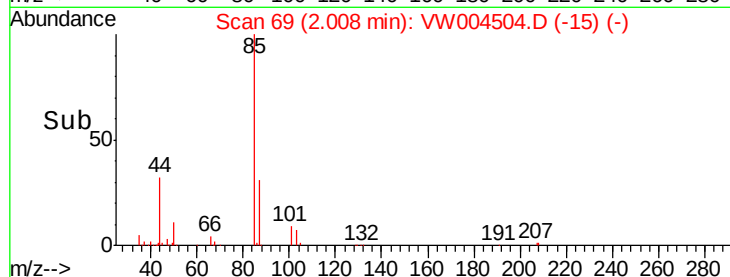
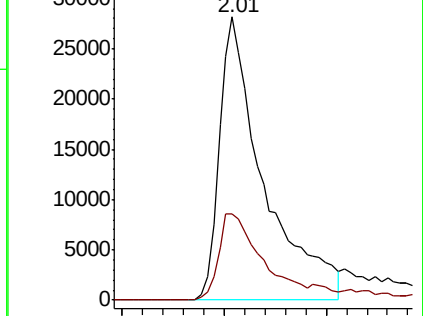
85 100

87 30.0 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 8.325 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004504.D

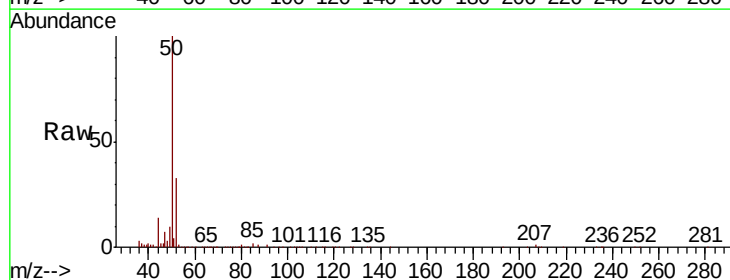
Acq: 07 Aug 2018 20:45

Tgt Ion: 50 Resp: 124163

Ion Ratio Lower Upper

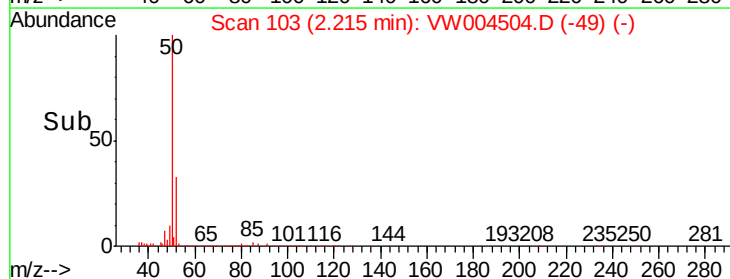
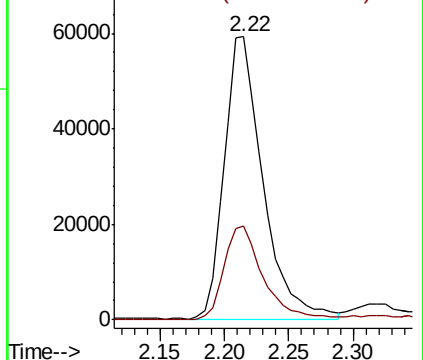
50 100

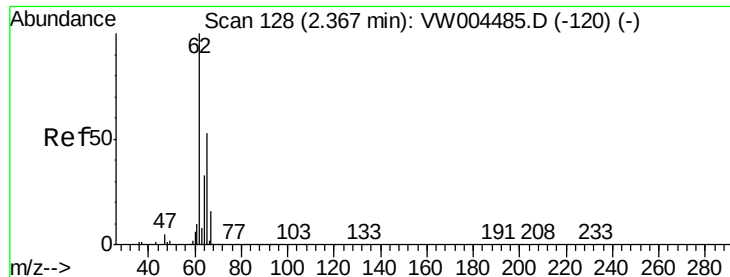
52 33.0 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 9.354 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

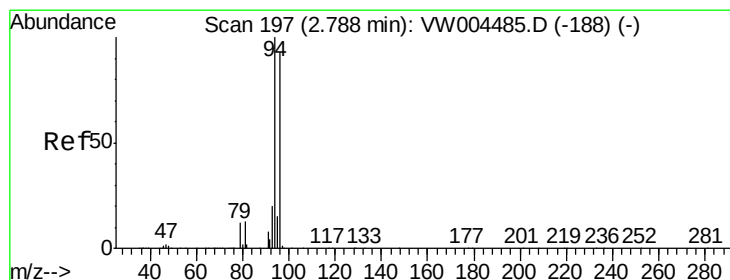
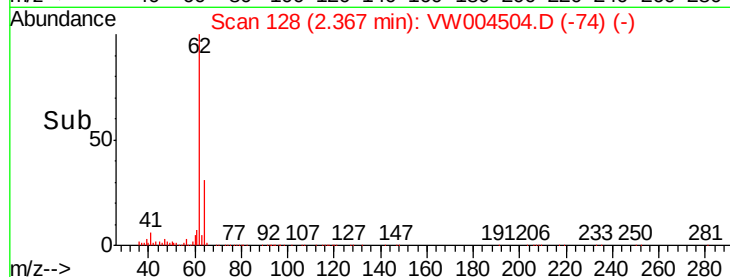
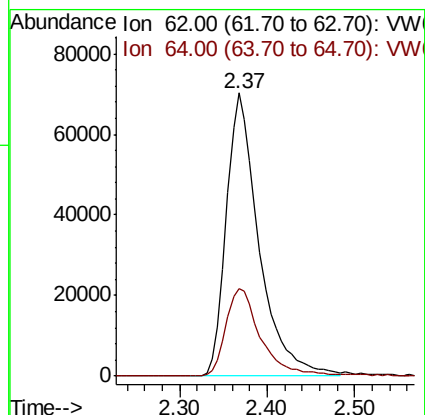
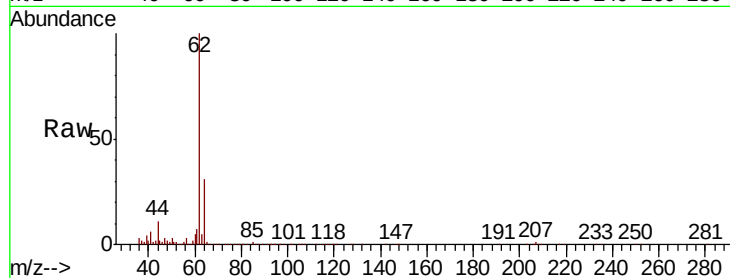
VW0808SBSD01

Tgt Ion: 62 Resp: 182057

Ion Ratio Lower Upper

62 100

64 30.8 24.0 44.6



#6

Bromomethane

Concen: 9.922 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004504.D

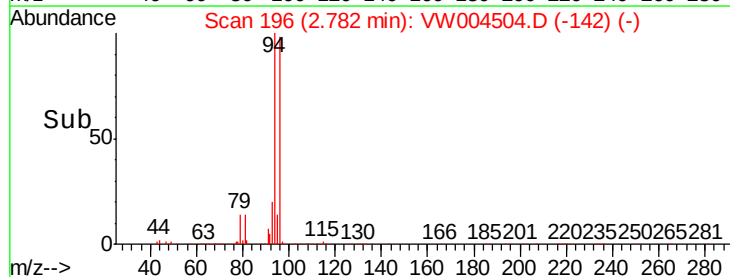
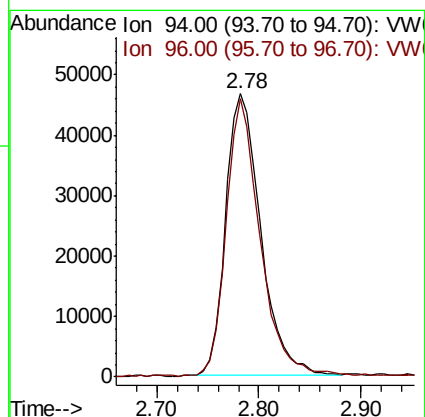
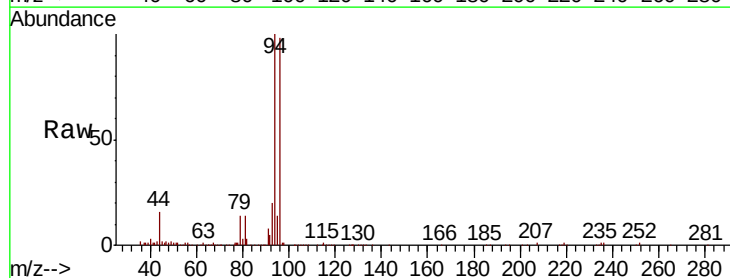
Acq: 07 Aug 2018 20:45

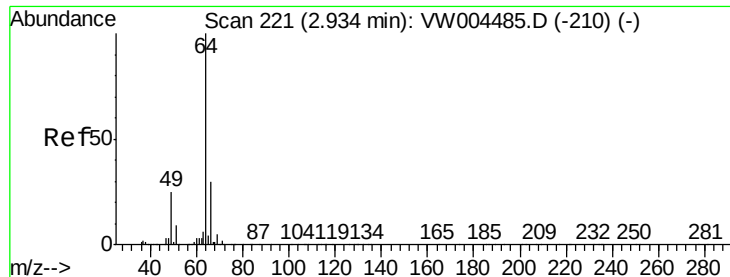
Tgt Ion: 94 Resp: 111689

Ion Ratio Lower Upper

94 100

96 94.8 9.2 175.2





#8

Chloroethane

Concen: 9.720 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

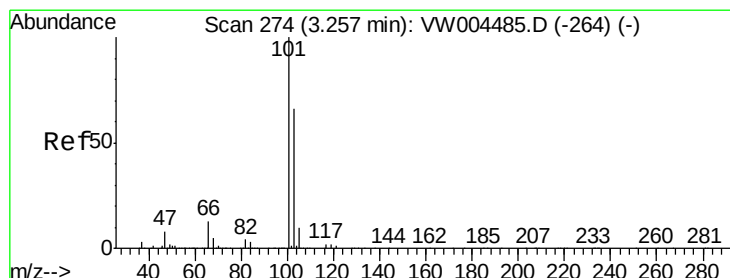
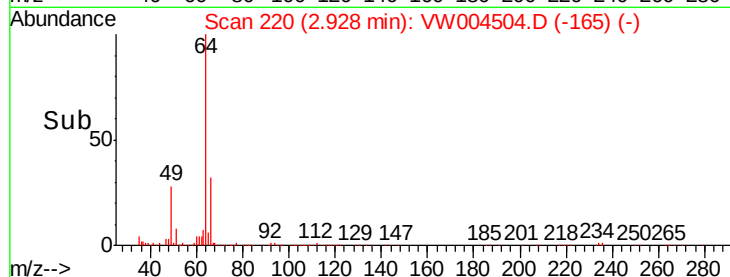
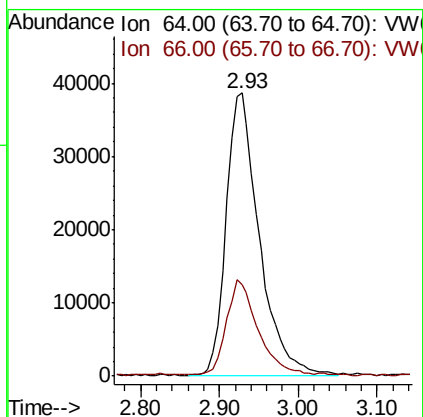
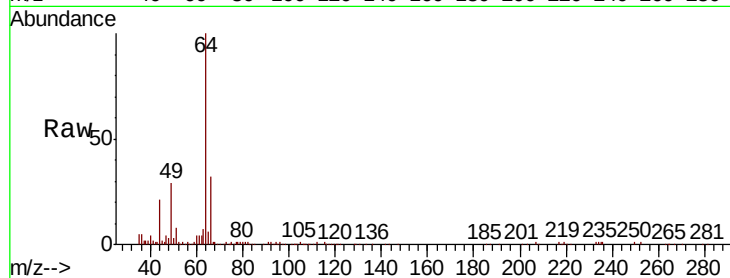
VW0808SBSD01

Tgt Ion: 64 Resp: 113493

Ion Ratio Lower Upper

64 100

66 32.2 22.8 42.4



#9

Trichlorofluoromethane

Concen: 7.548 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW004504.D

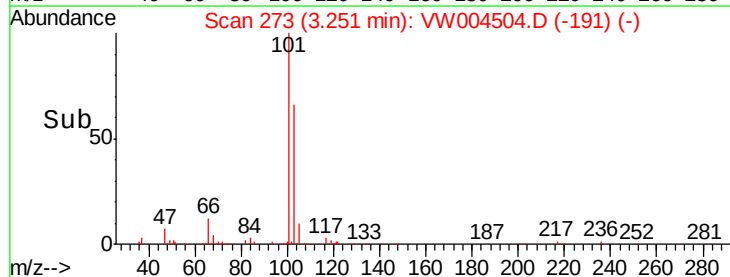
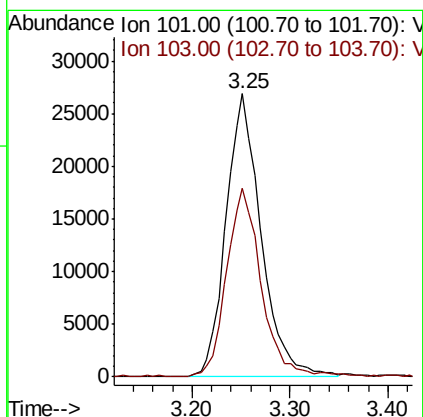
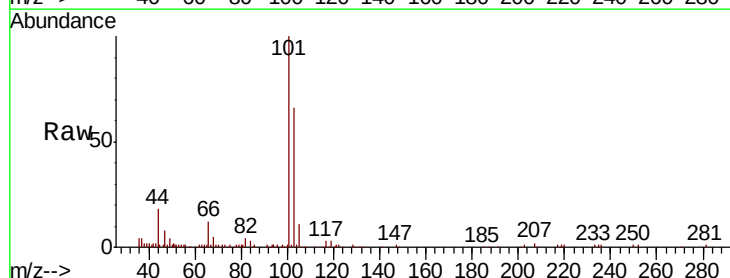
Acq: 07 Aug 2018 20:45

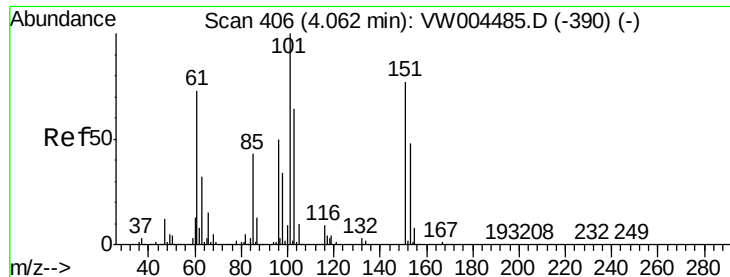
Tgt Ion: 101 Resp: 67012

Ion Ratio Lower Upper

101 100

103 64.9 45.3 84.1





#11

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

Concen: 9.108 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

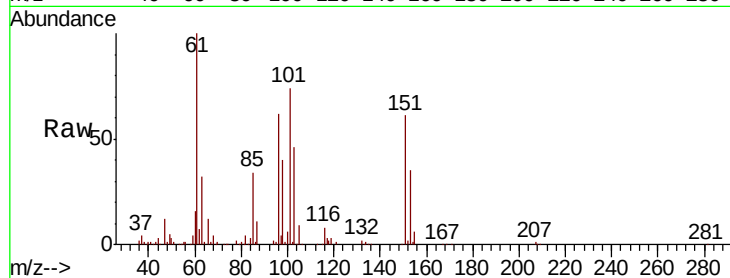
Tgt Ion: 101 Resp: 140398

Ion Ratio Lower Upper

101 100

85 44.4 35.6 53.4

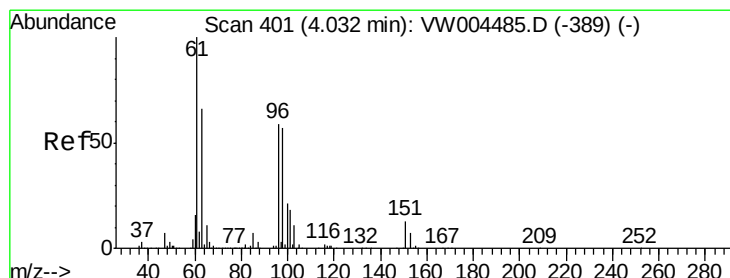
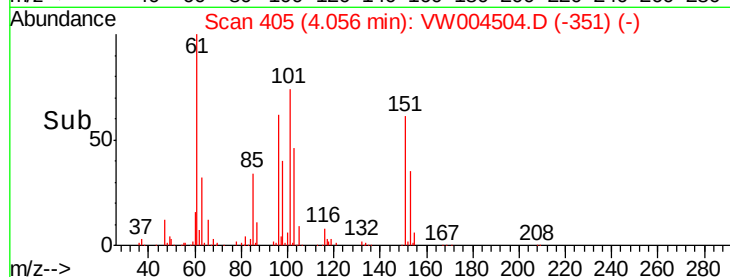
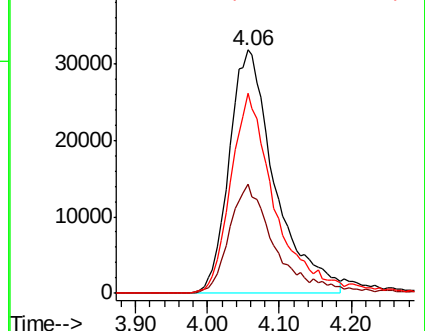
151 74.3 62.6 94.0



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: 9.838 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

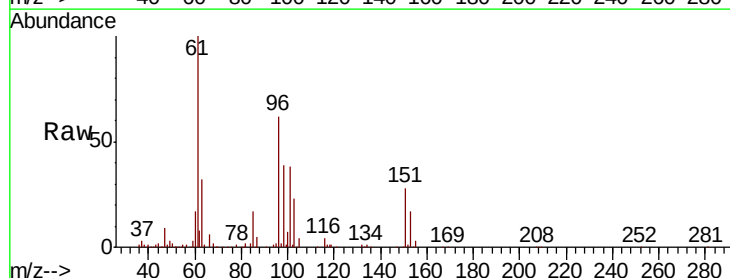
Tgt Ion: 96 Resp: 148153

Ion Ratio Lower Upper

96 100

61 160.9 115.9 215.3

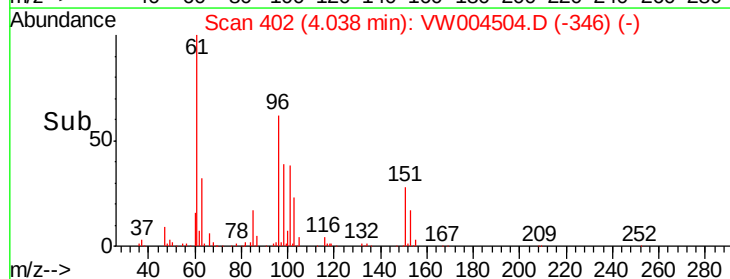
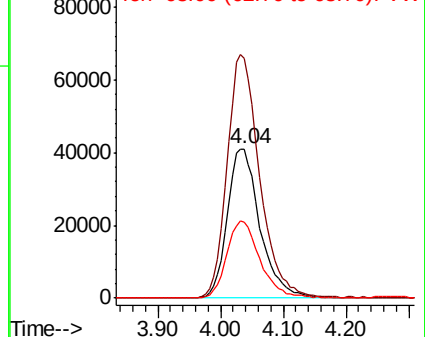
63 50.7 78.0 144.9#

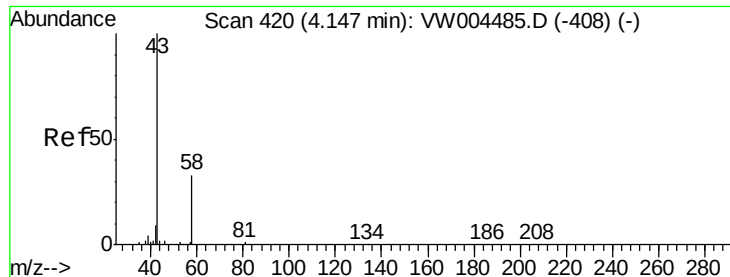


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.655 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004504.D

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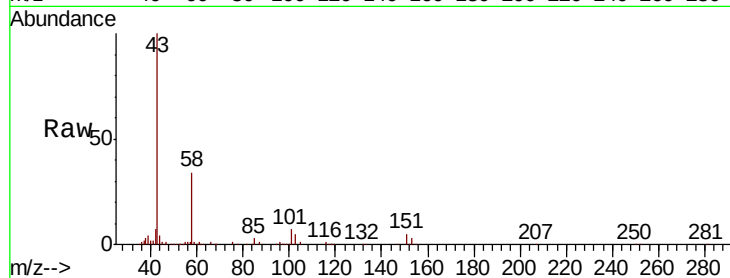
VW0808SBS01

Tgt Ion: 43 Resp: 199472

Ion Ratio Lower Upper

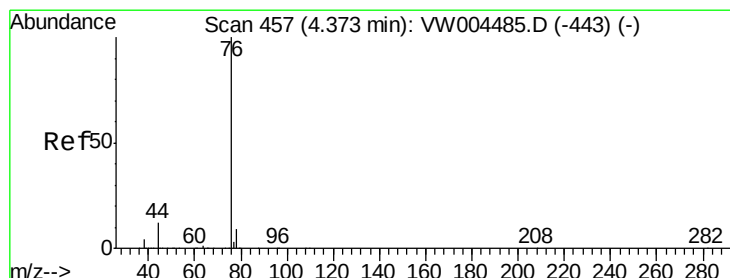
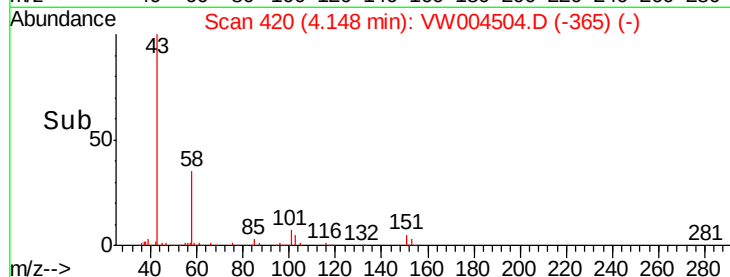
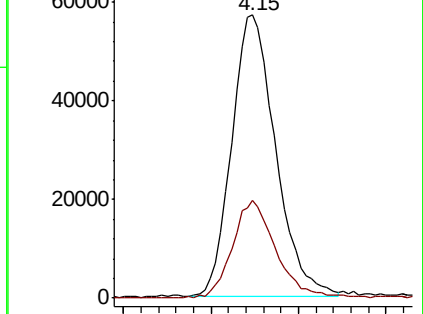
43 100

58 33.3 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 10.372 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004504.D

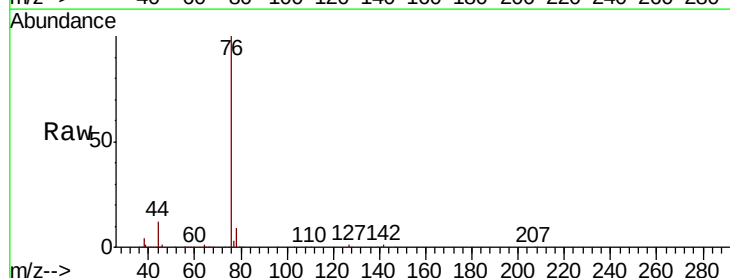
Acq: 07 Aug 2018 20:45

Tgt Ion: 76 Resp: 479093

Ion Ratio Lower Upper

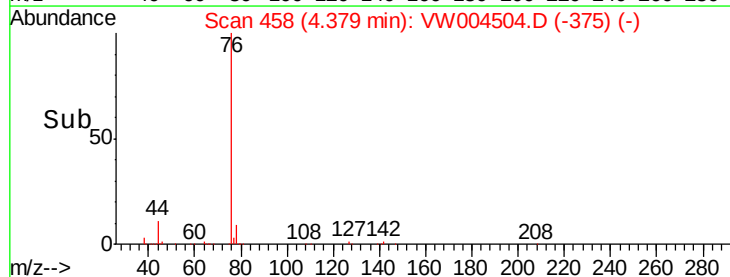
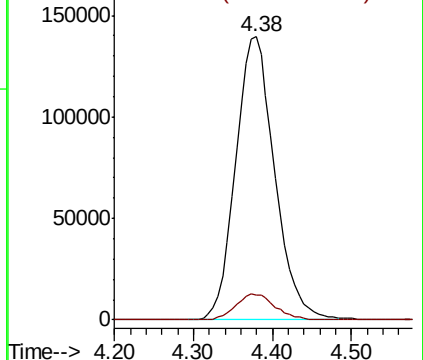
76 100

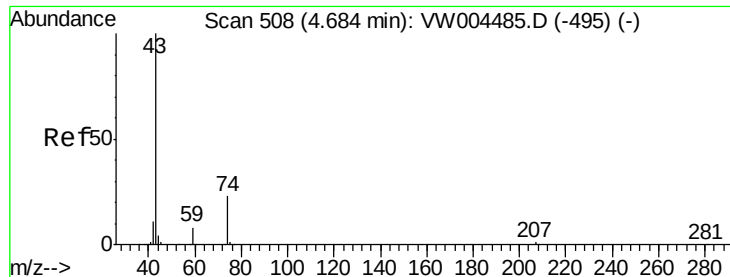
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

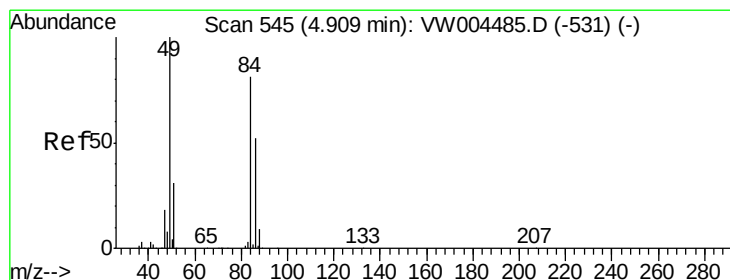
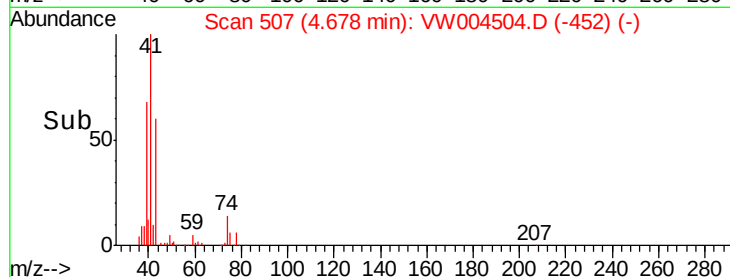
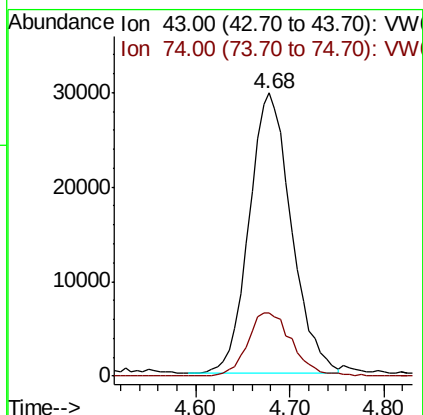
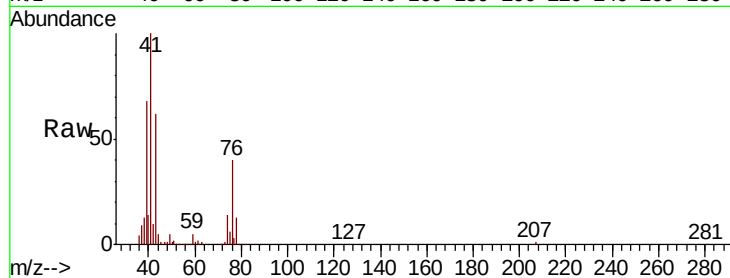




#15
Methyl Acetate
Concen: 8.839 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

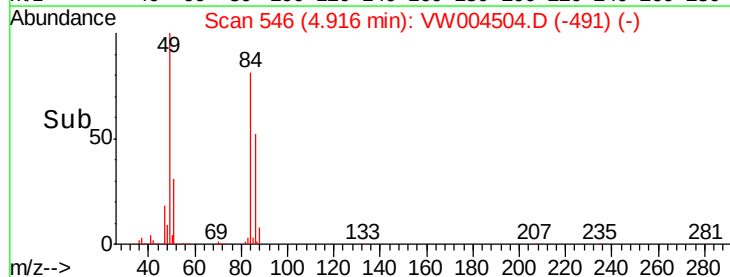
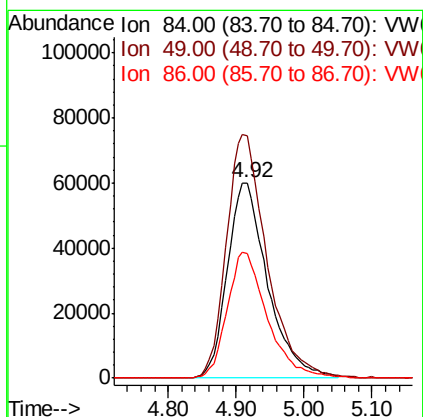
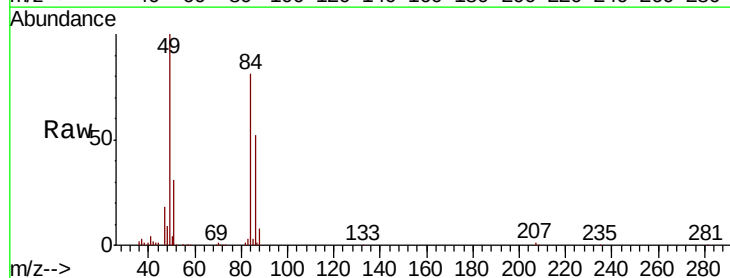
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

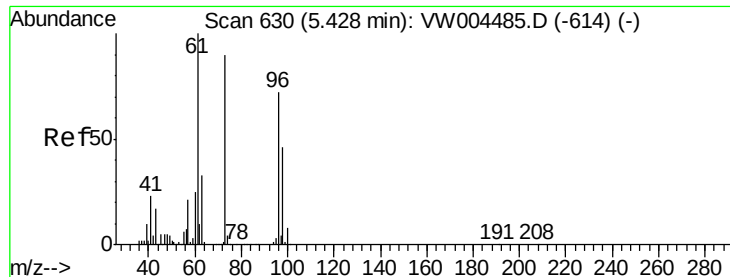
Tgt Ion: 43 Resp: 92970
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0



#16
Methylene chloride
Concen: 11.436 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 84 Resp: 246695
Ion Ratio Lower Upper
84 100
49 123.9 86.0 159.6
86 63.9 43.5 80.9

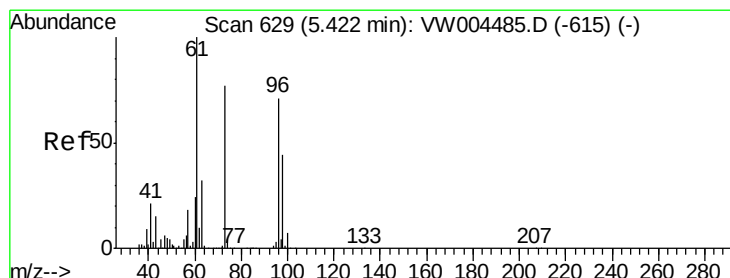
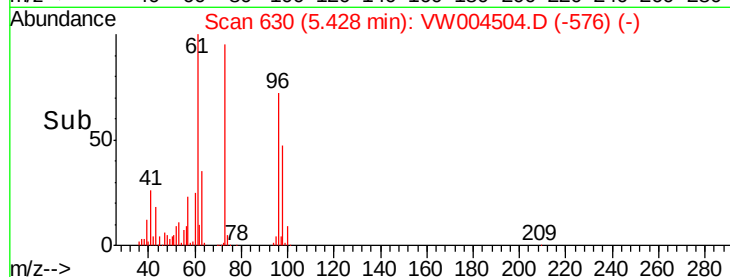
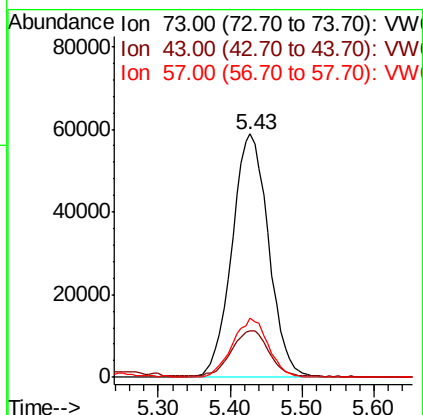
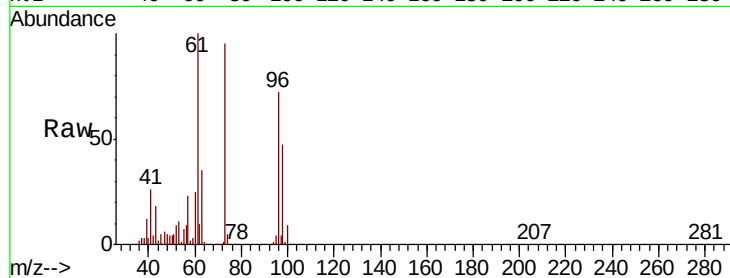




#17
Methyl tert-butyl Ether
Concen: 10.216 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

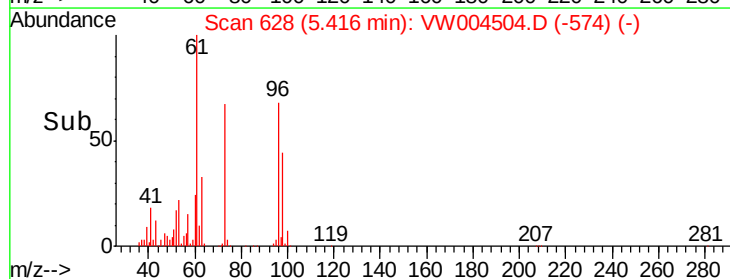
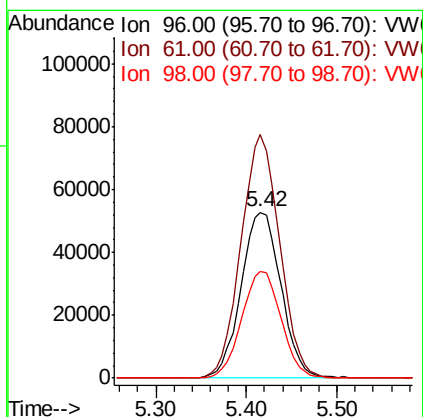
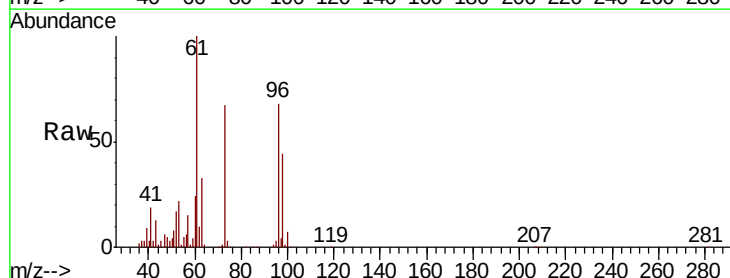
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

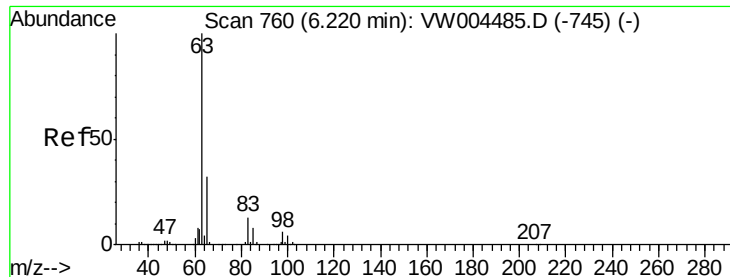
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.8	16.2	24.2
57	23.8	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 10.429 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	97.9	181.7
98	64.6	43.0	79.8





#19

1,1-Dichloroethane

Concen: 10.400 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

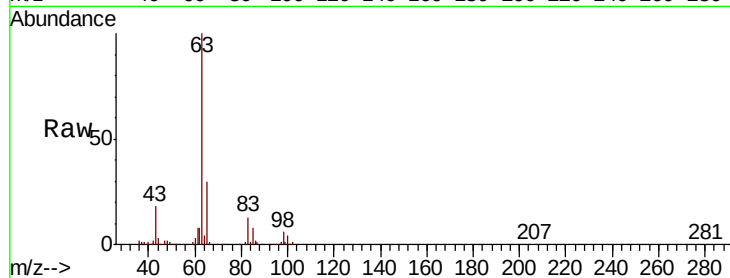
Tgt Ion: 63 Resp: 303913

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

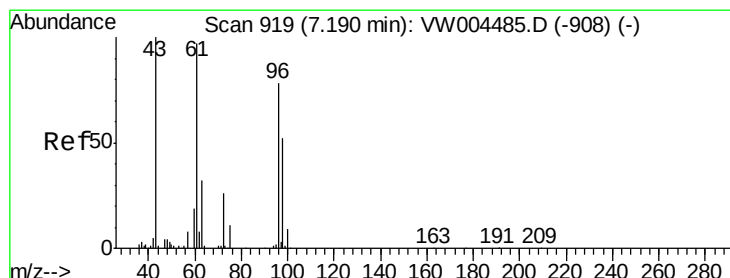
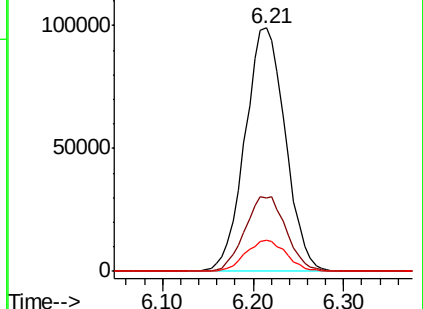
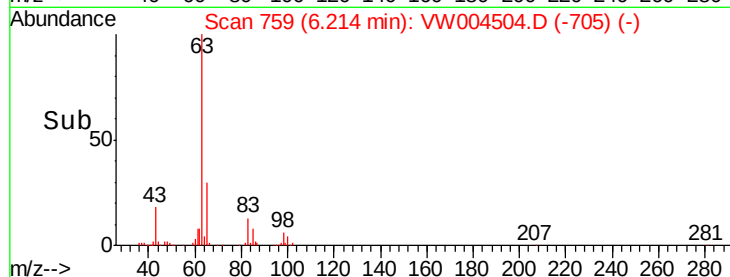
83 13.0 9.3 17.3



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: 42.739 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW004504.D

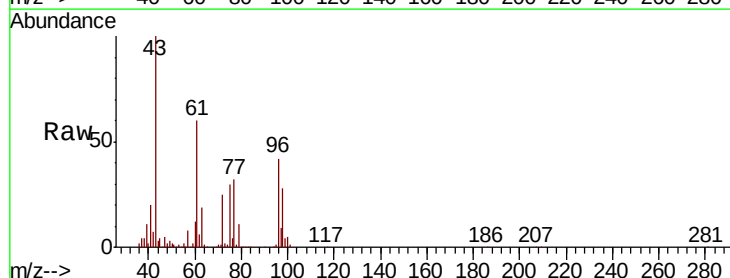
Acq: 07 Aug 2018 20:45

Tgt Ion: 43 Resp: 301881

Ion Ratio Lower Upper

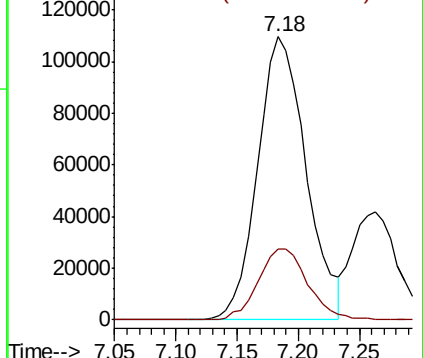
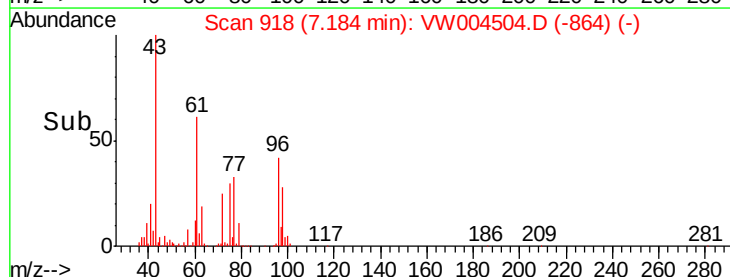
43 100

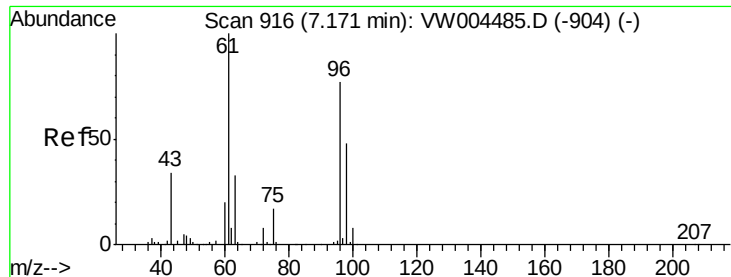
72 25.6 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



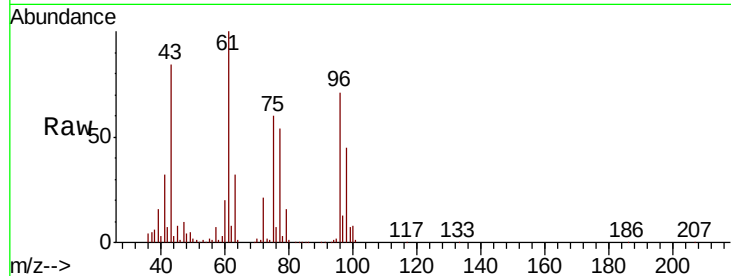


#22

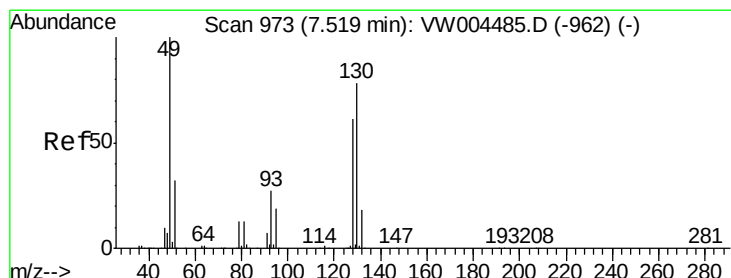
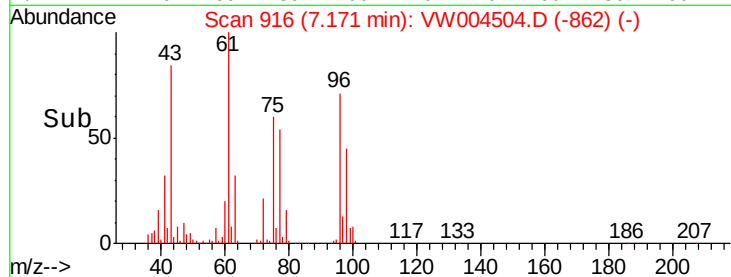
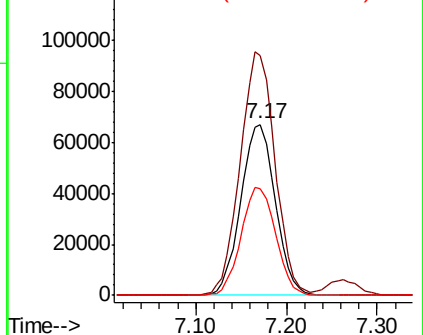
cis-1,2-Dichloroethene
Concen: 10.520 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

Tgt Ion: 96 Resp: 176831
Ion Ratio Lower Upper
96 100
61 140.1 92.5 171.7
98 62.5 44.1 81.9



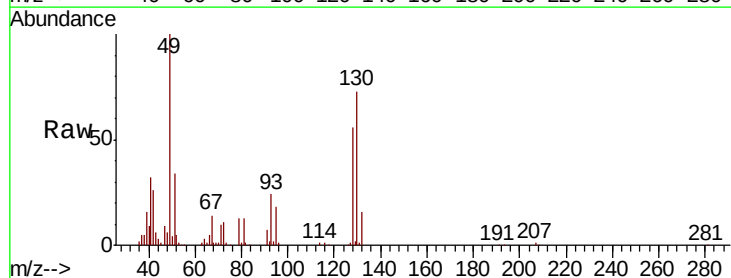
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



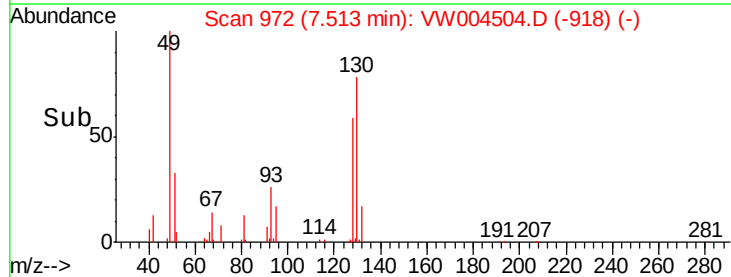
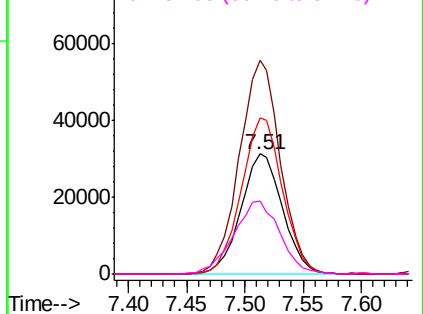
#23

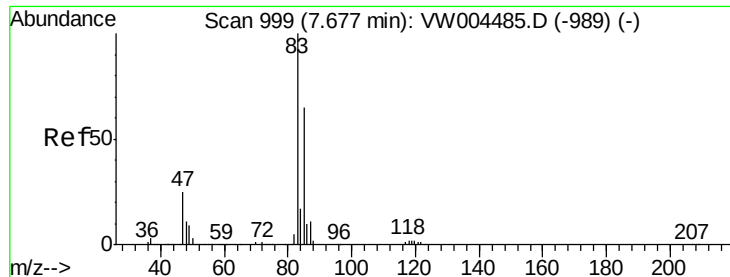
Bromochloromethane
Concen: 9.657 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 128 Resp: 77694
Ion Ratio Lower Upper
128 100
49 178.2 122.0 226.6
130 130.8 88.8 164.8
51 60.9 44.0 66.0



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





#25

Chloroform

Concen: 10.156 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

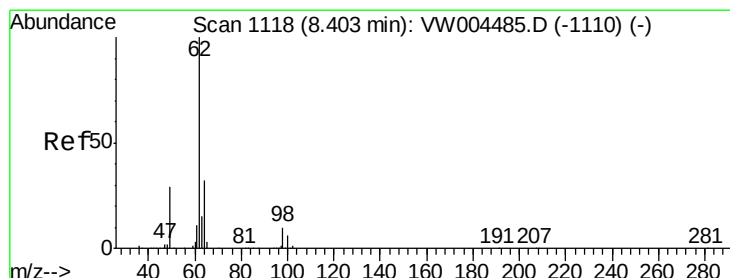
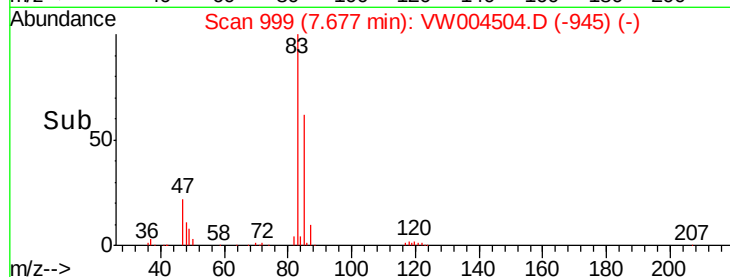
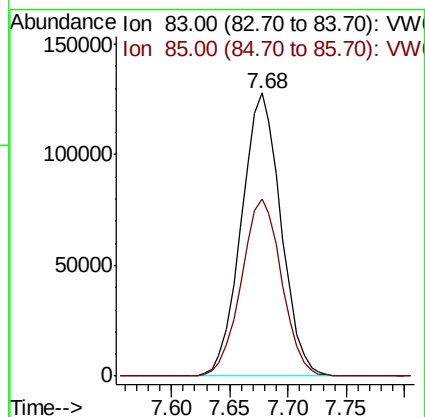
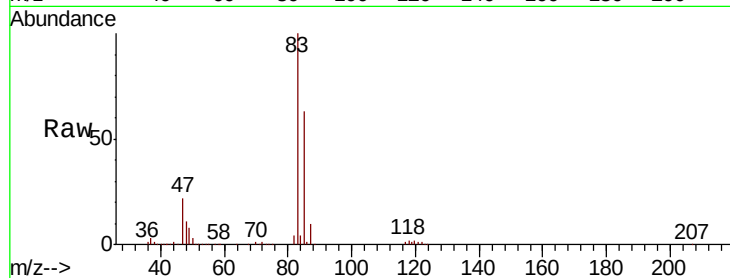
VW0808SBSD01

Tgt Ion: 83 Resp: 302949

Ion Ratio Lower Upper

83 100

85 63.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 9.751 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004504.D

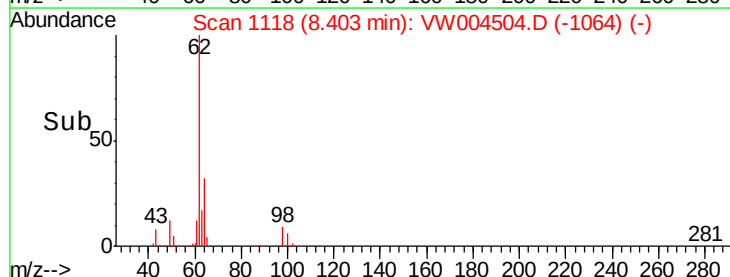
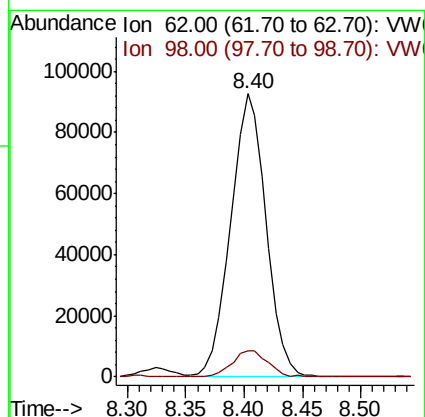
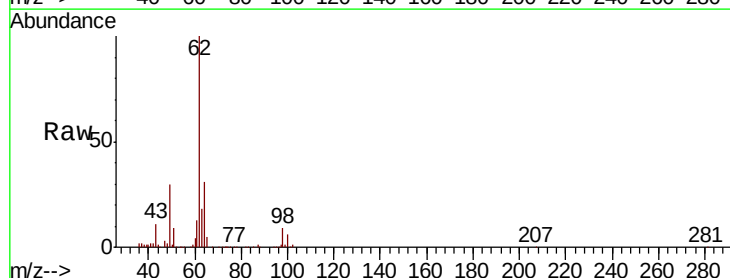
Acq: 07 Aug 2018 20:45

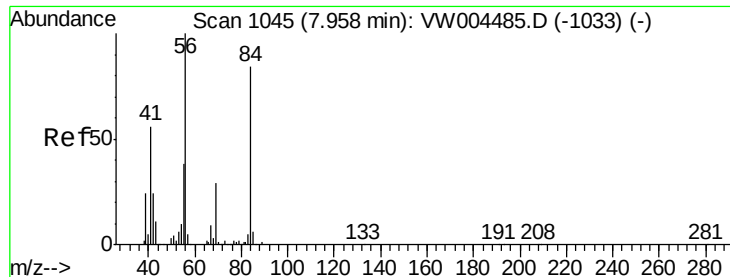
Tgt Ion: 62 Resp: 195409

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4

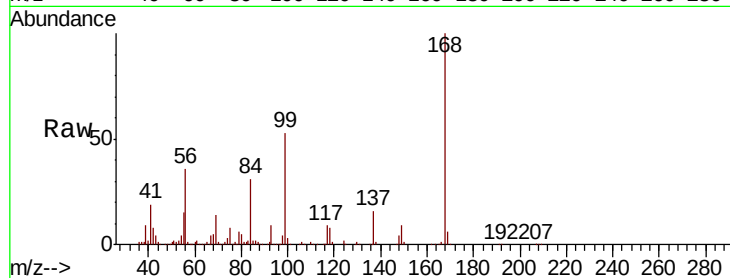




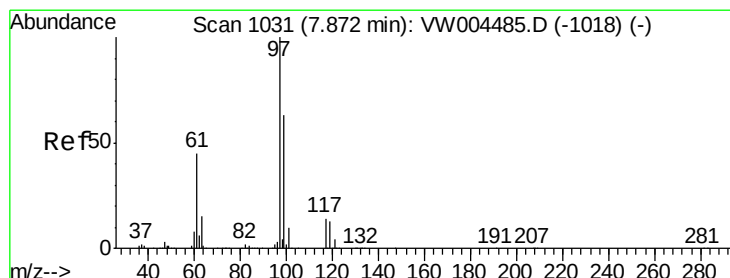
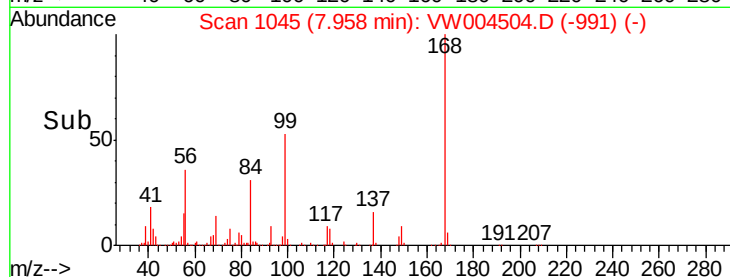
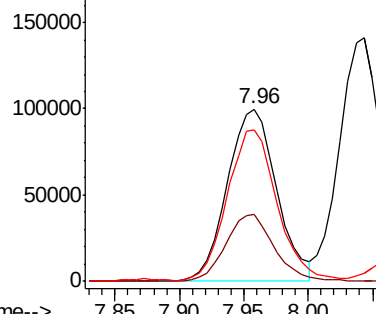
#30
Cyclohexane
Concen: 10.755 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBSD01

Tgt Ion: 56 Resp: 265896
Ion Ratio Lower Upper
56 100
69 38.4 24.0 36.0#
84 88.9 66.7 100.1

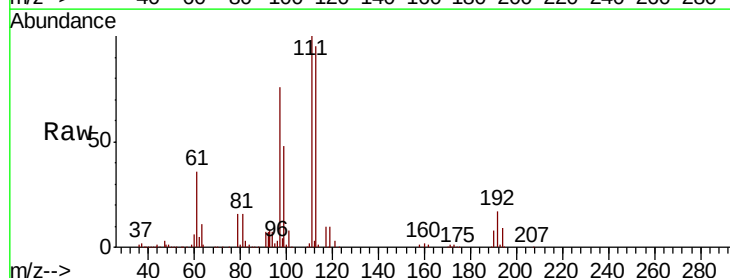


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

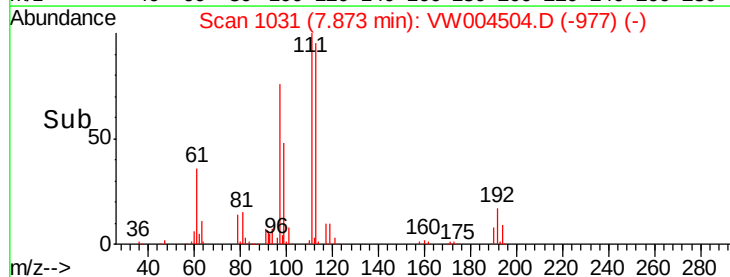
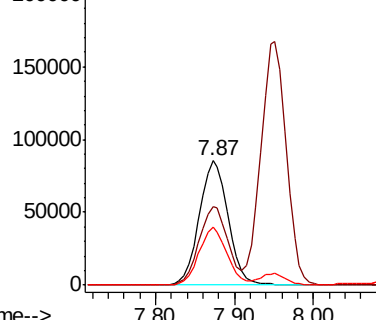


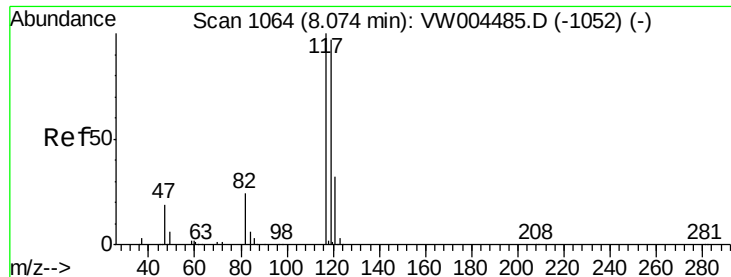
#31
1,1,1-Trichloroethane
Concen: 9.800 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004504.D
Acq: 07 Aug 2018 20:45

Tgt Ion: 97 Resp: 217663
Ion Ratio Lower Upper
97 100
99 62.9 51.8 77.6
61 44.8 37.3 55.9



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: 9.422 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

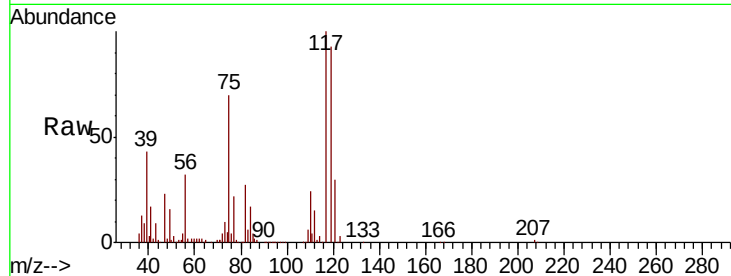
VW0808SBSD01

Tgt Ion:117 Resp: 201671

Ion Ratio Lower Upper

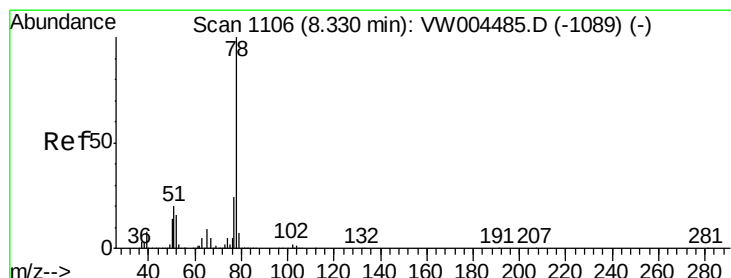
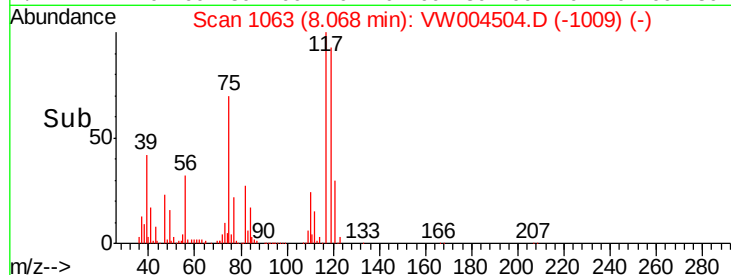
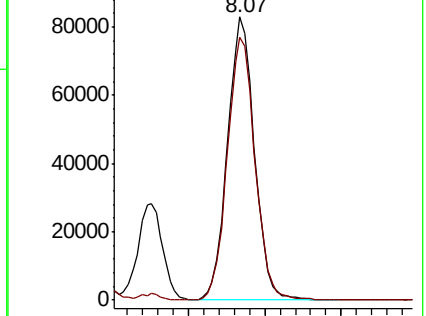
117 100

119 95.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 10.681 ug/L

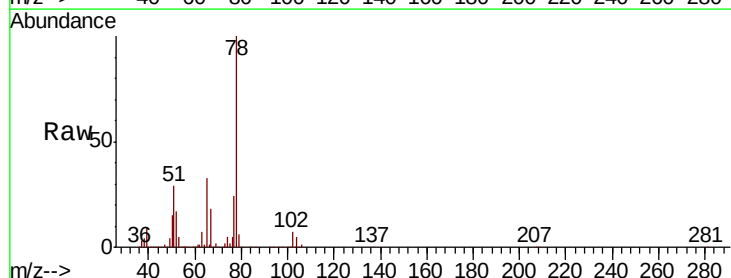
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

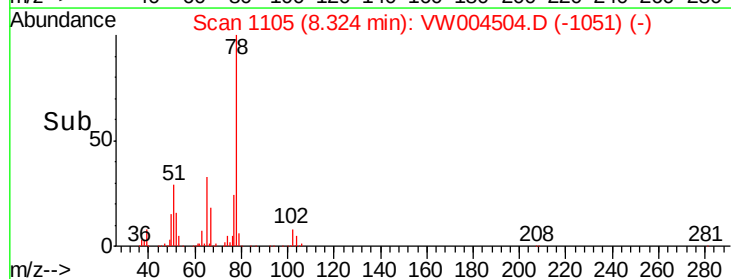
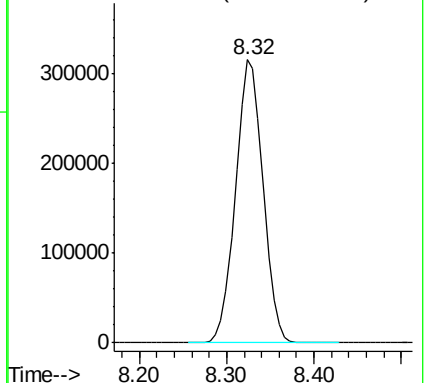
Lab File: VW004504.D

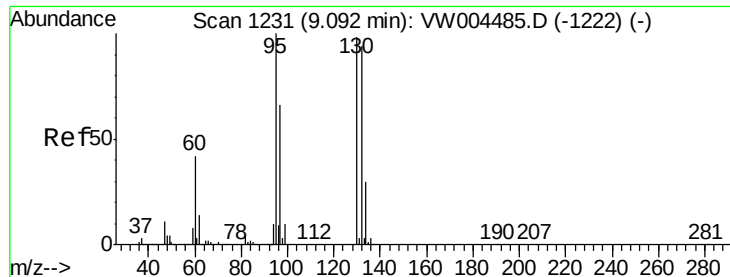
Acq: 07 Aug 2018 20:45

Tgt Ion: 78 Resp: 688417



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 10.024 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

Tgt Ion: 95 Resp: 162516

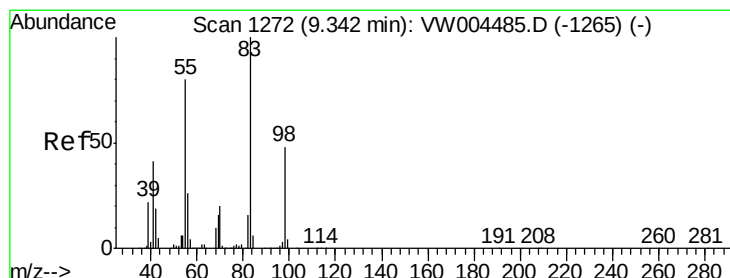
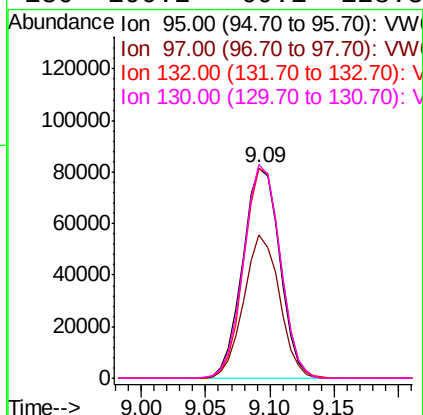
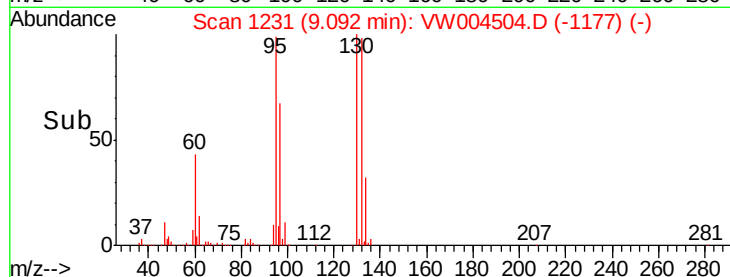
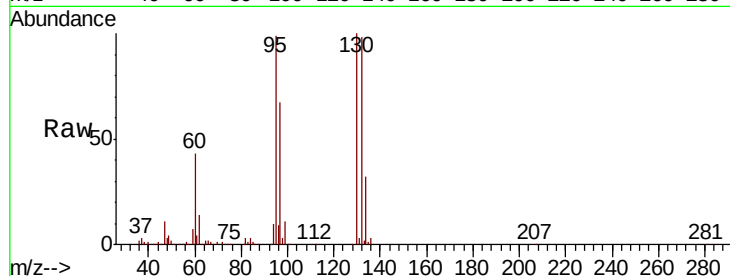
Ion Ratio Lower Upper

95 100

97 65.6 44.9 83.5

132 98.2 67.6 125.6

130 100.2 69.1 128.3



#36

Methylcyclohexane

Concen: 9.011 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

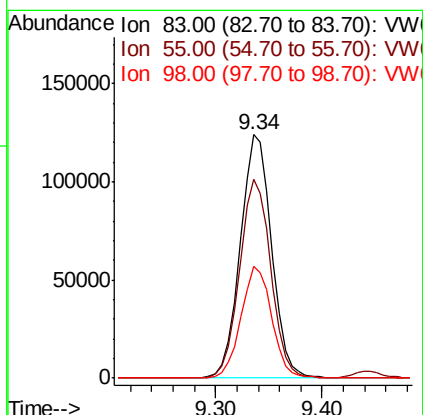
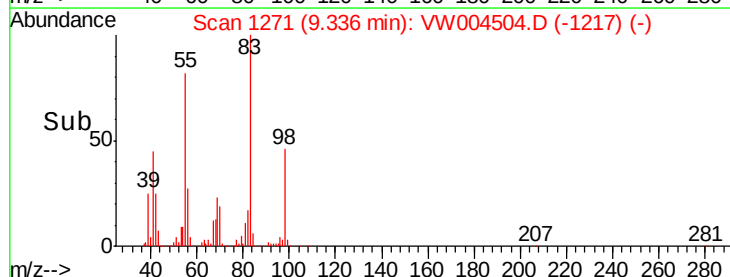
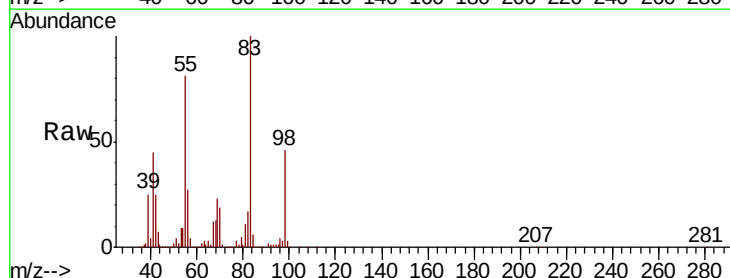
Tgt Ion: 83 Resp: 256454

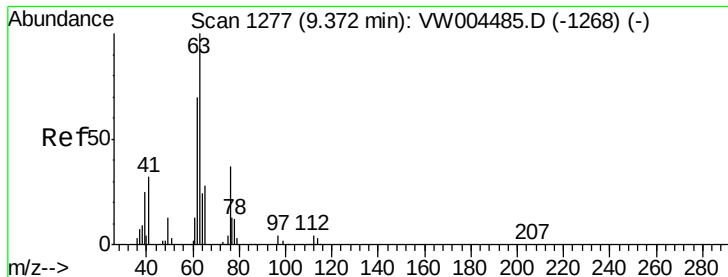
Ion Ratio Lower Upper

83 100

55 81.3 62.8 94.2

98 45.0 36.6 54.8





#40

1,2-Dichloropropane

Concen: 10.184 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

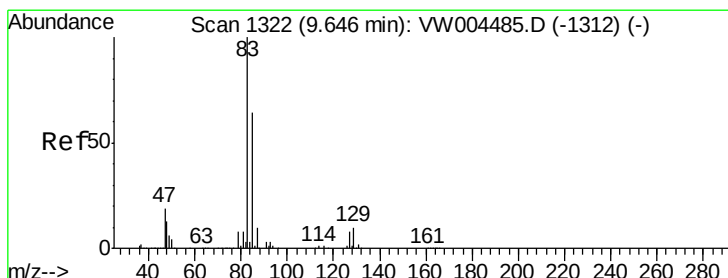
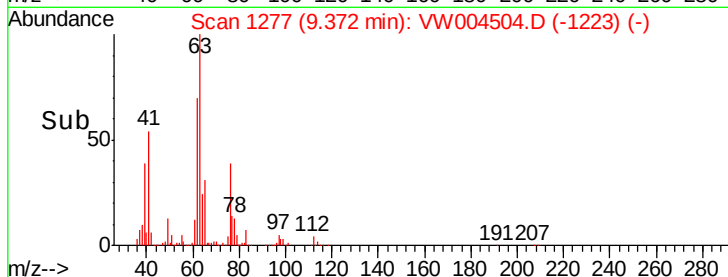
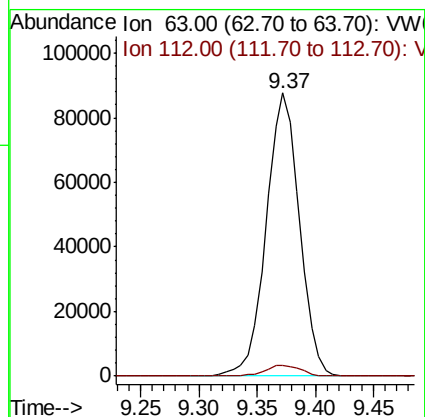
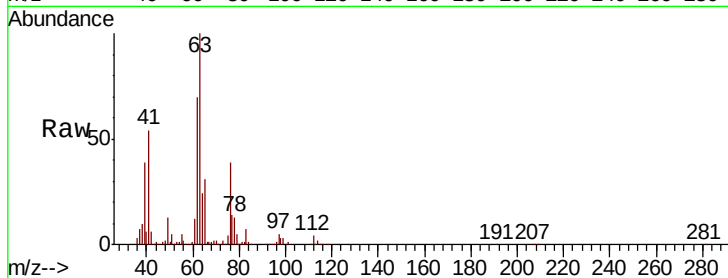
VW0808SBSD01

Tgt Ion: 63 Resp: 173839

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.6



#41

Bromodichloromethane

Concen: 10.056 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

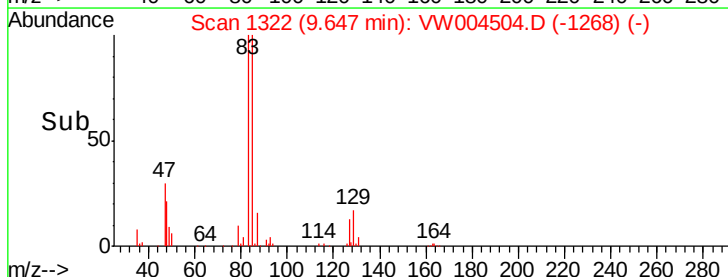
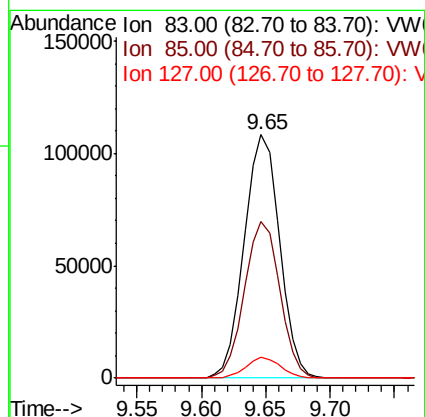
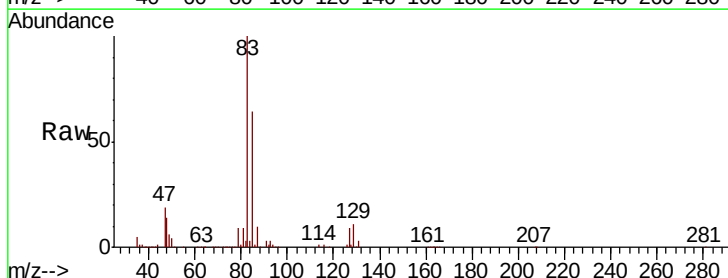
Tgt Ion: 83 Resp: 206208

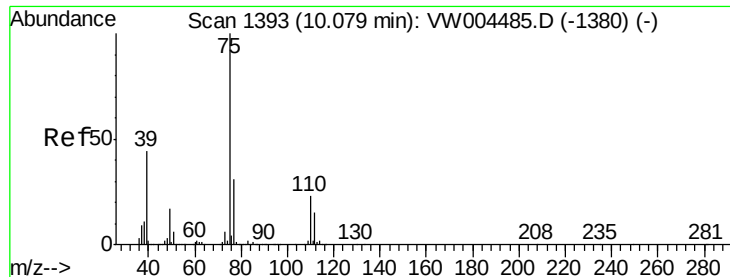
Ion Ratio Lower Upper

83 100

85 64.4 43.7 81.1

127 8.6 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 10.345 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

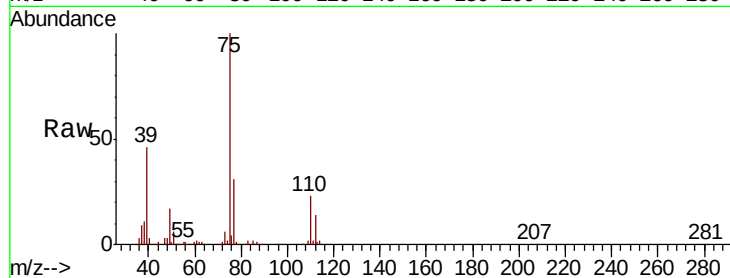
VW0808SBSD01

Tgt Ion: 75 Resp: 241574

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

150000

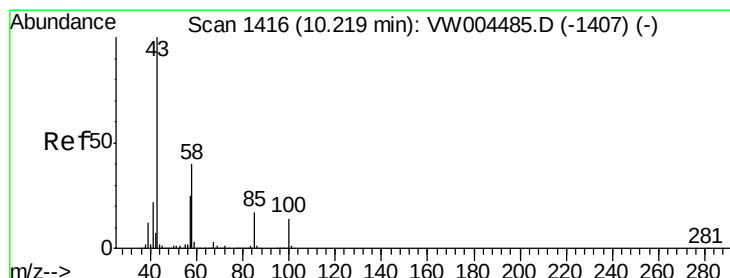
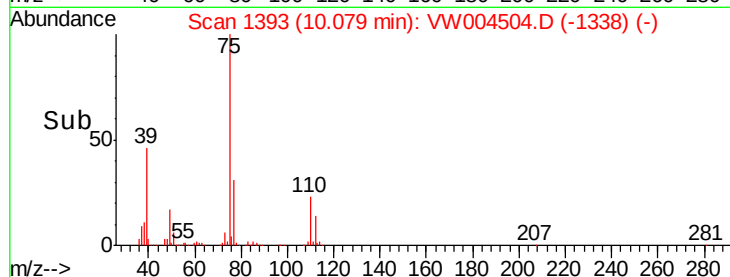
100000

50000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 51.812 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

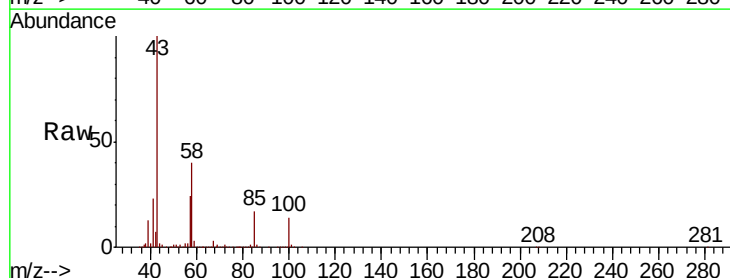
Tgt Ion: 43 Resp: 663163

Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3

100 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

600000

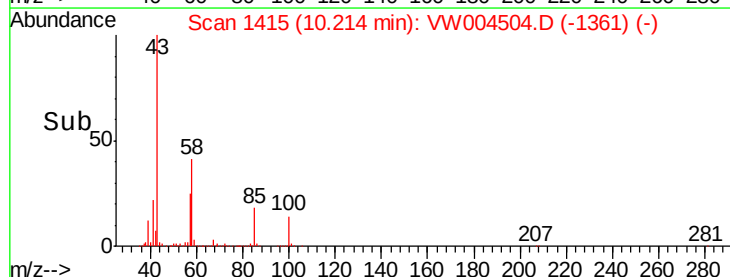
400000

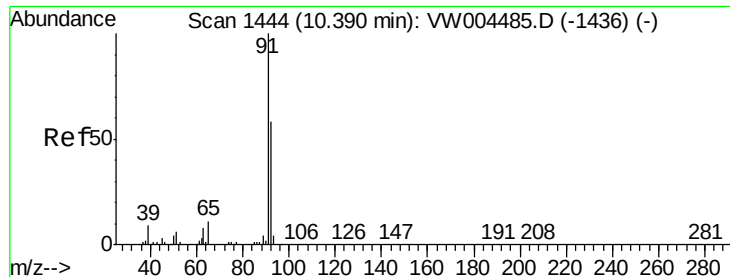
200000

0

Time-->

10.20 10.30





#44

Toluene

Concen: 11.038 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

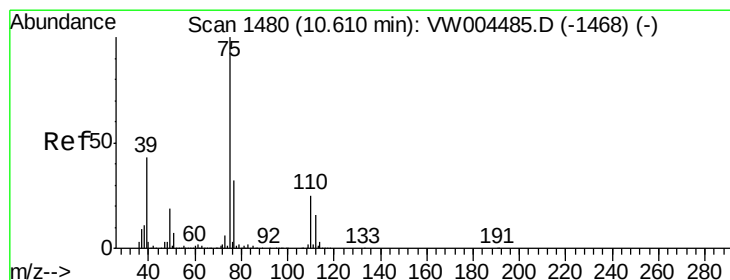
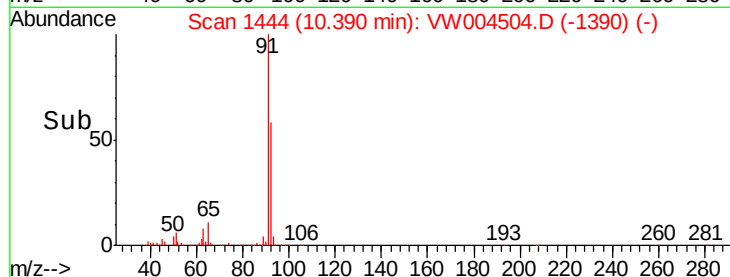
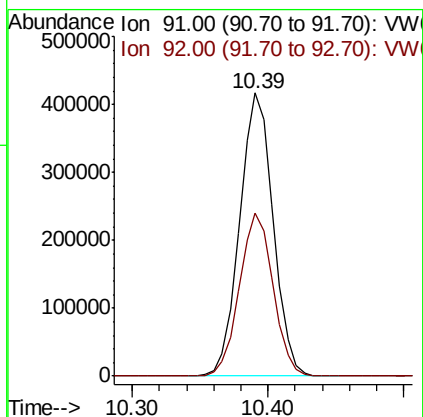
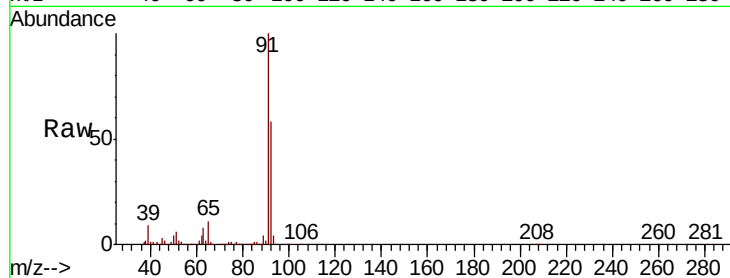
VW0808SBSD01

Tgt Ion: 91 Resp: 715956

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 9.725 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004504.D

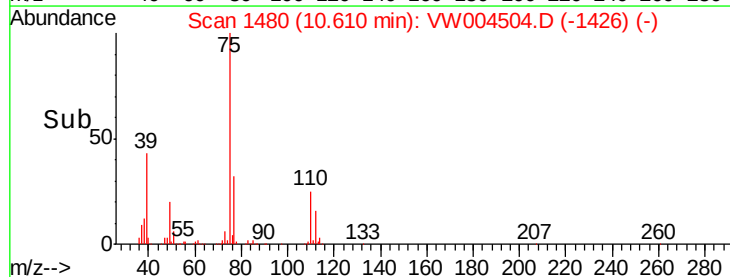
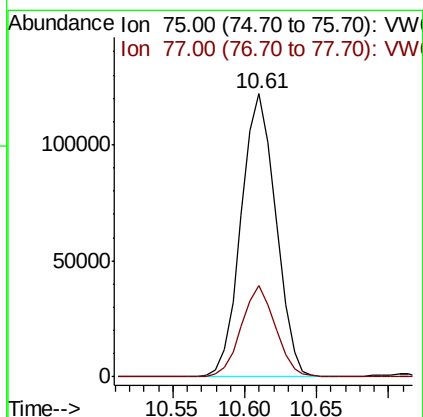
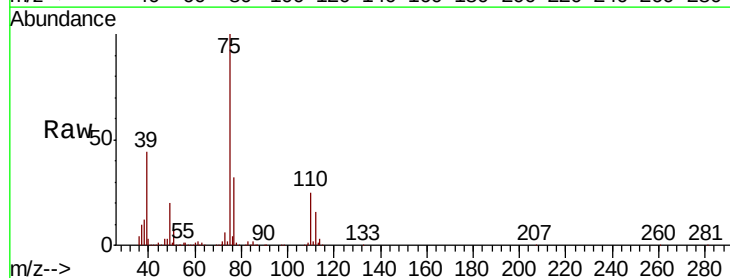
Acq: 07 Aug 2018 20:45

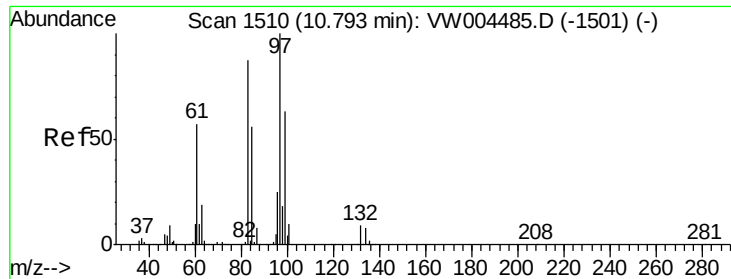
Tgt Ion: 75 Resp: 204131

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6

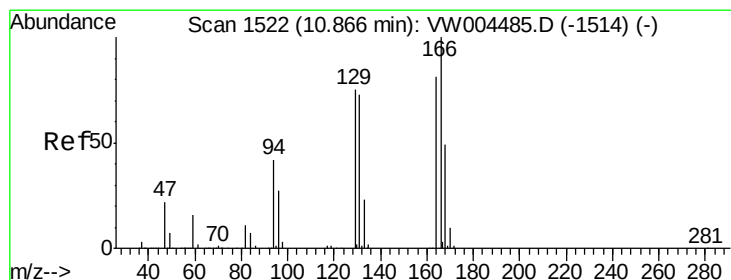
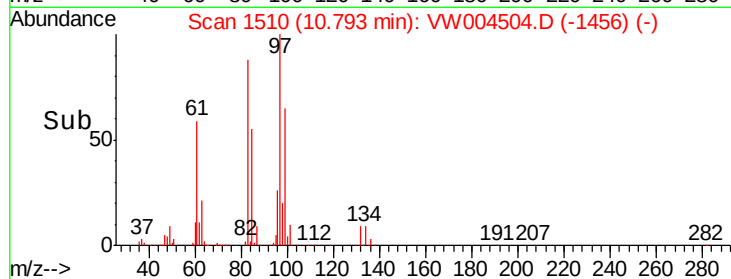
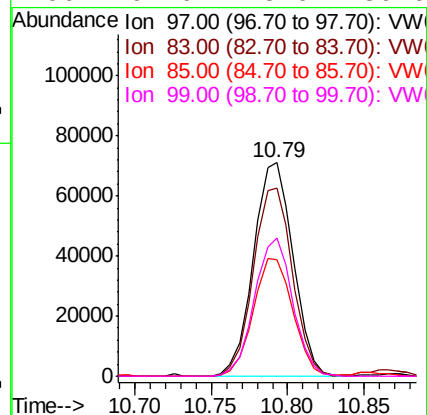
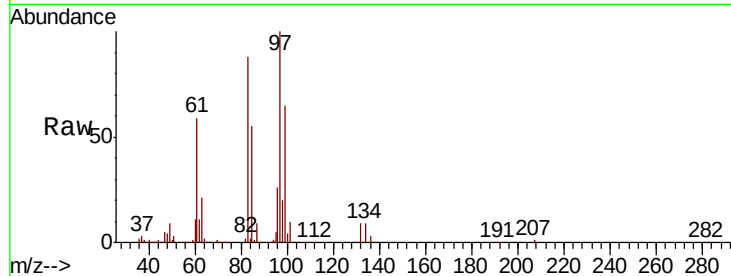




#46
 1,1,2-Trichloroethane
 Concen: 9.664 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

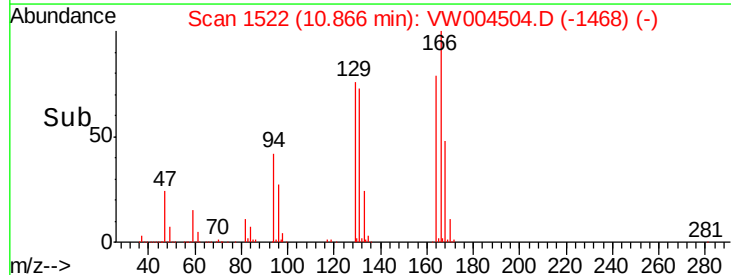
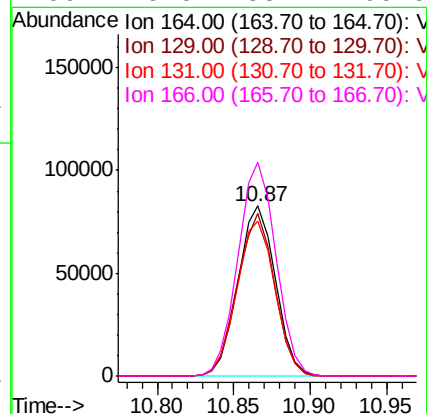
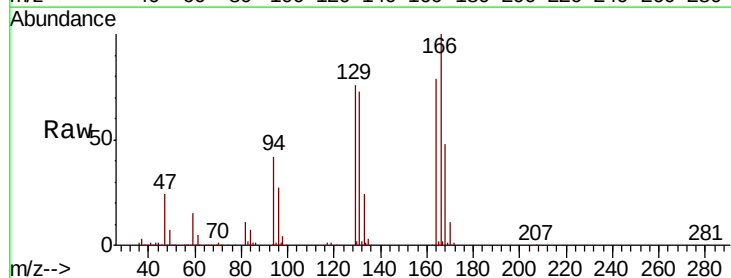
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

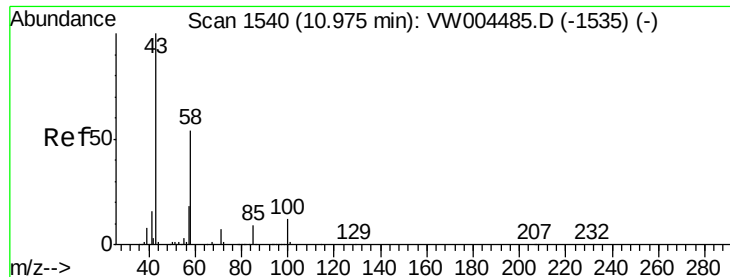
Tgt Ion:	97	Resp:	128251
Ion	Ratio	Lower	Upper
97	100		
83	88.0	61.8	114.8
85	54.7	38.8	72.0
99	64.6	43.0	80.0



#47
 Tetrachloroethene
 Concen: 10.980 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion:	164	Resp:	140839
Ion	Ratio	Lower	Upper
164	100		
129	96.0	65.4	121.4
131	91.2	63.8	118.6
166	125.8	88.1	163.5





#49

2-Hexanone

Concen: 46.276 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

Tgt Ion: 43 Resp: 445108

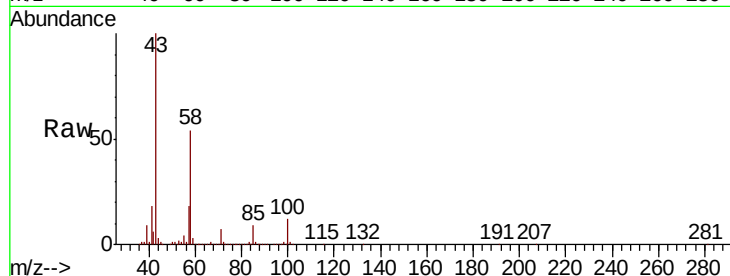
Ion Ratio Lower Upper

43 100

58 54.0 43.4 65.0

57 18.4 15.0 22.6

100 11.0 8.9 13.3



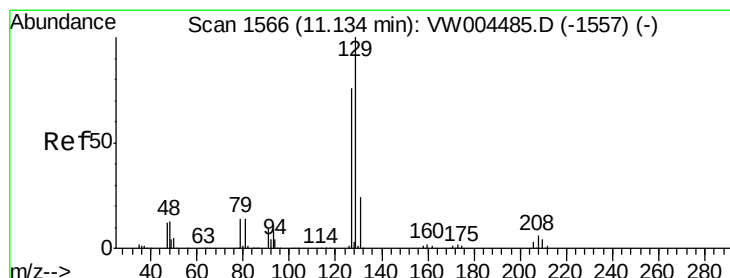
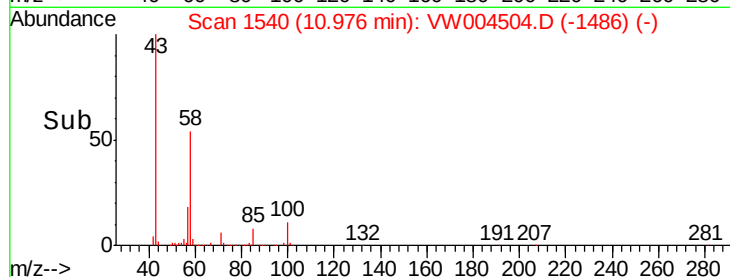
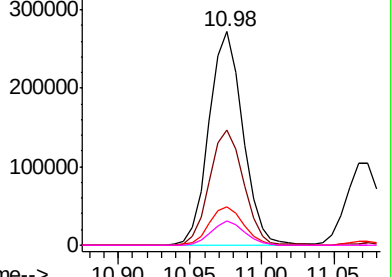
Abundance

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: 9.184 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004504.D

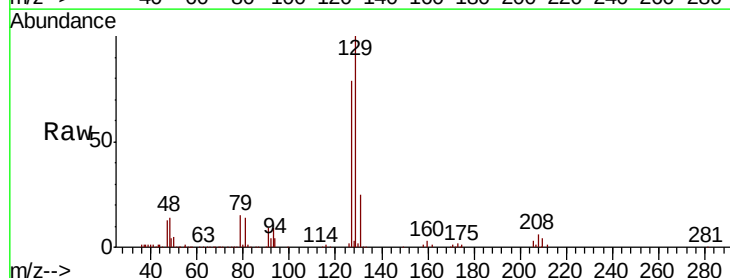
Acq: 07 Aug 2018 20:45

Tgt Ion: 129 Resp: 135206

Ion Ratio Lower Upper

129 100

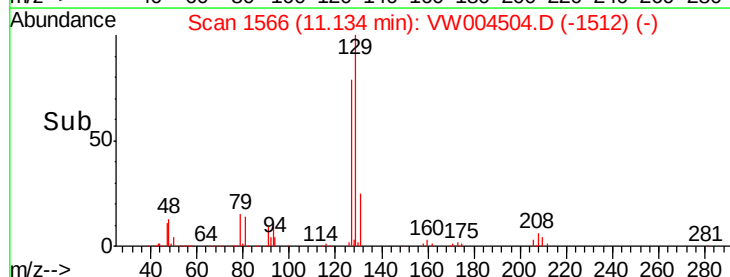
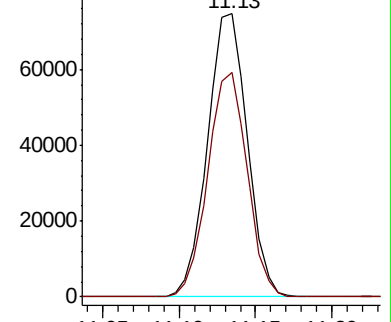
127 79.1 54.1 100.5

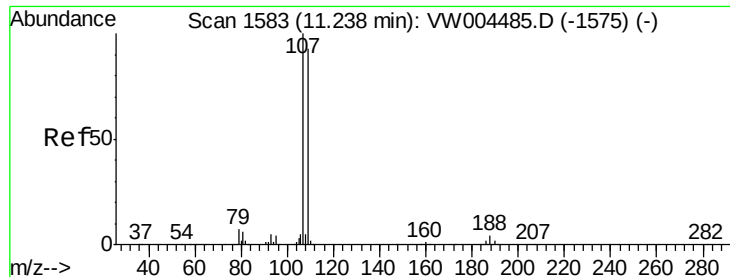


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 9.484 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

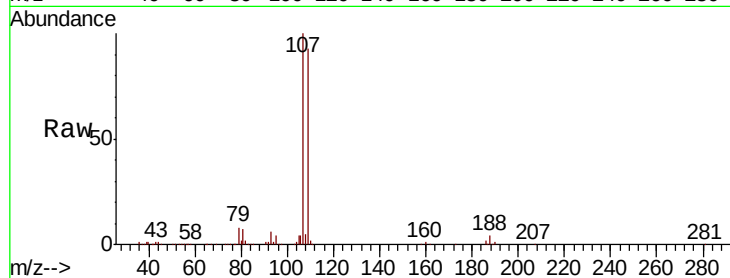
Tgt Ion:107 Resp: 120651

Ion Ratio Lower Upper

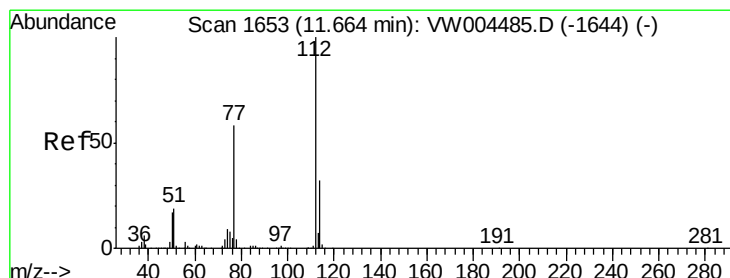
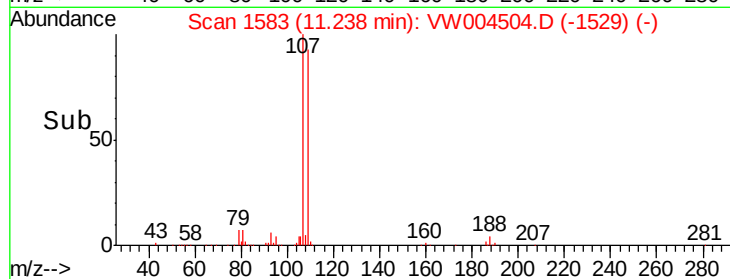
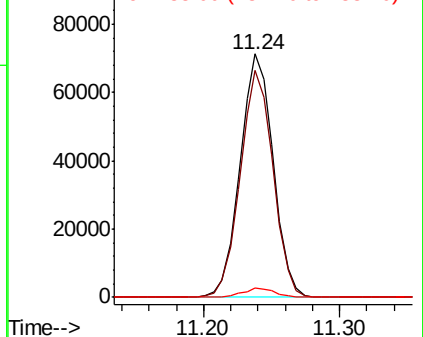
107 100

109 93.4 66.8 124.2

188 3.7 2.6 3.8



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: 10.323 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

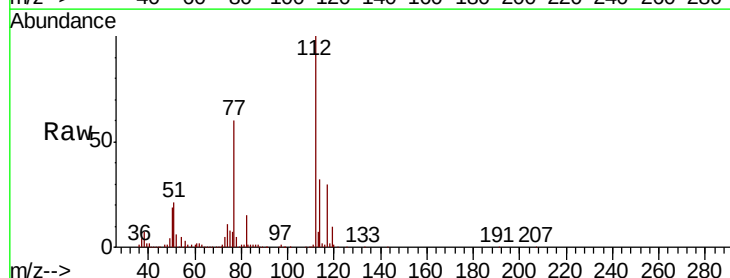
Tgt Ion:112 Resp: 452823

Ion Ratio Lower Upper

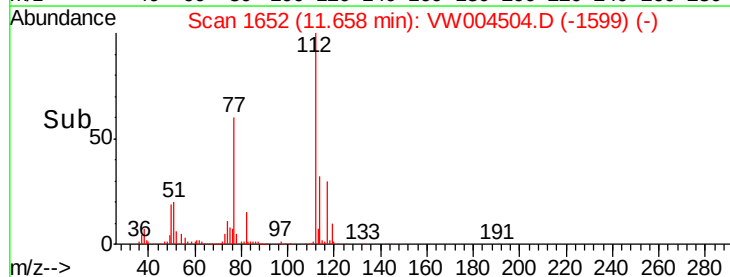
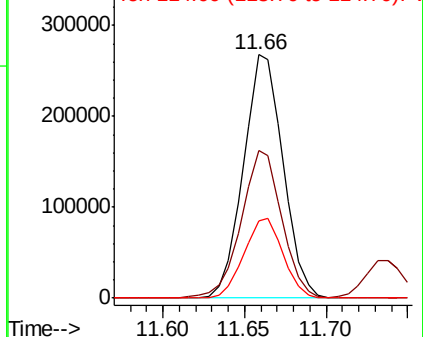
112 100

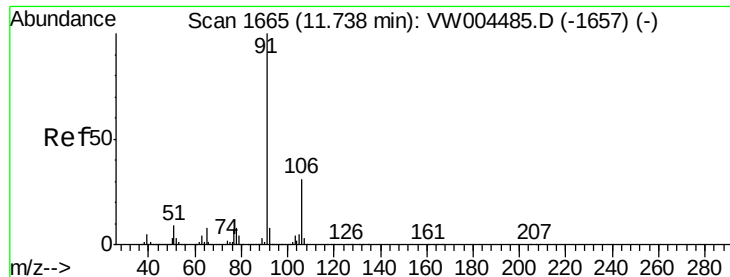
77 60.4 46.5 69.7

114 31.9 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: 10.277 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

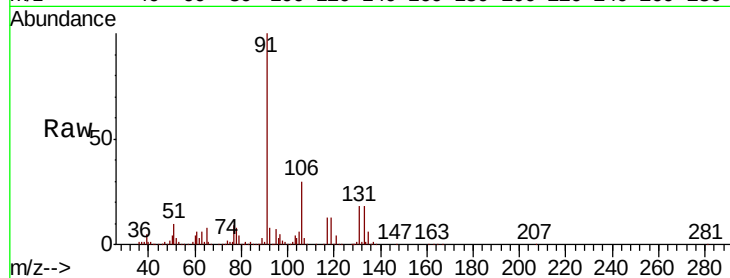
VW0808SBSD01

Tgt Ion: 91 Resp: 749040

Ion Ratio Lower Upper

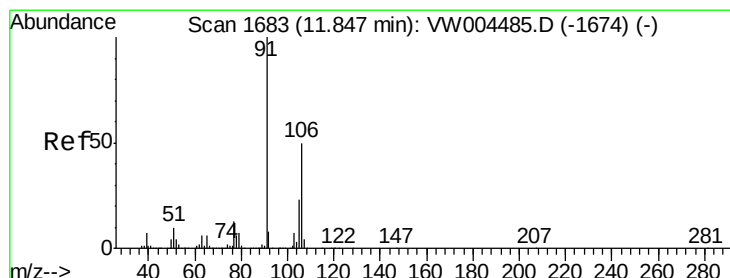
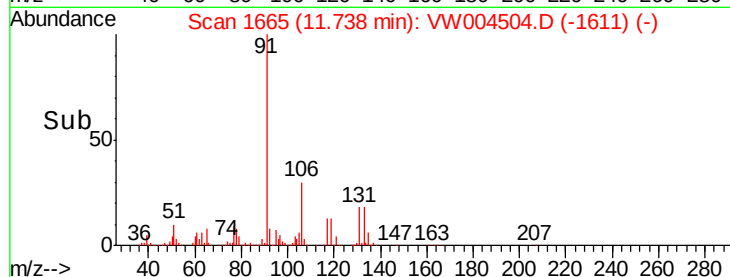
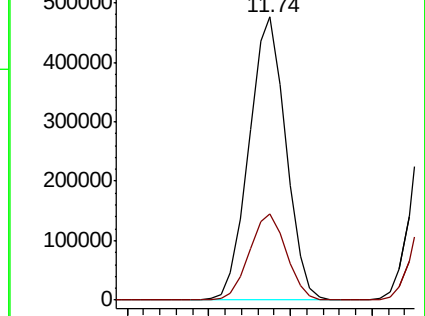
91 100

106 30.3 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 21.874 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004504.D

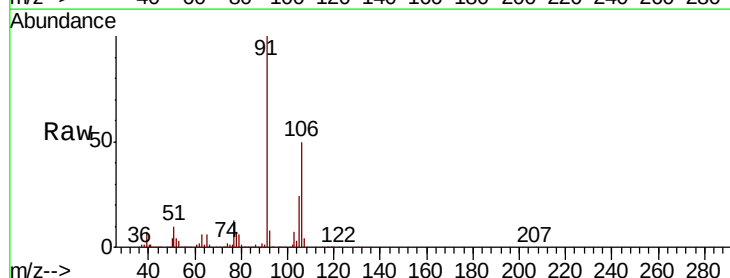
Acq: 07 Aug 2018 20:45

Tgt Ion: 106 Resp: 594828

Ion Ratio Lower Upper

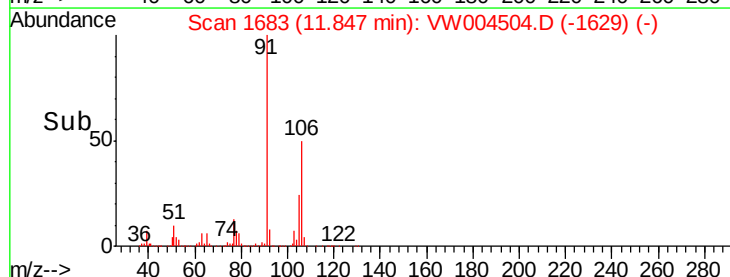
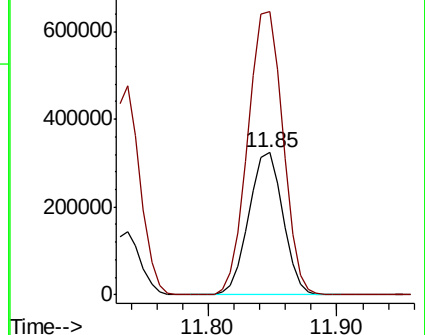
106 100

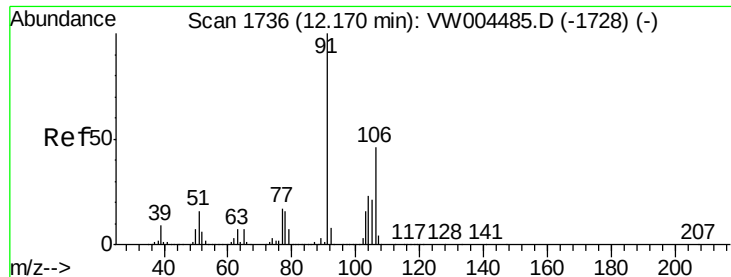
91 198.7 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 10.777 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

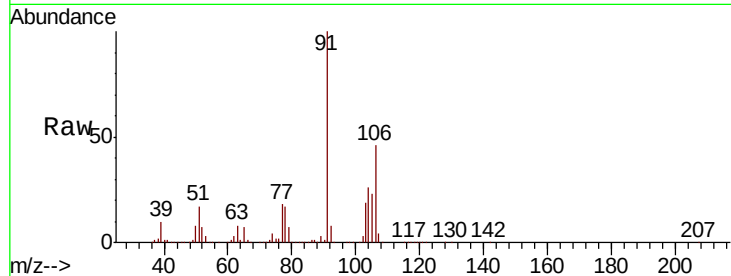
VW0808SBSD01

Tgt Ion:106 Resp: 277686

Ion Ratio Lower Upper

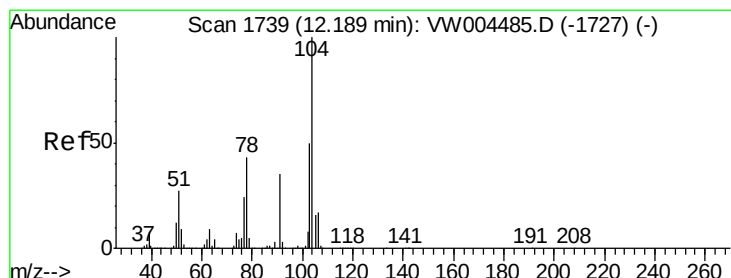
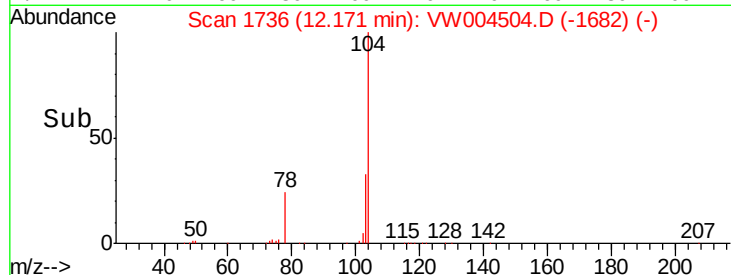
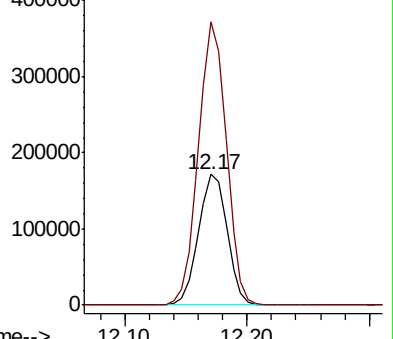
106 100

91 216.4 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 10.568 ug/L

RT: 12.18 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VW004504.D

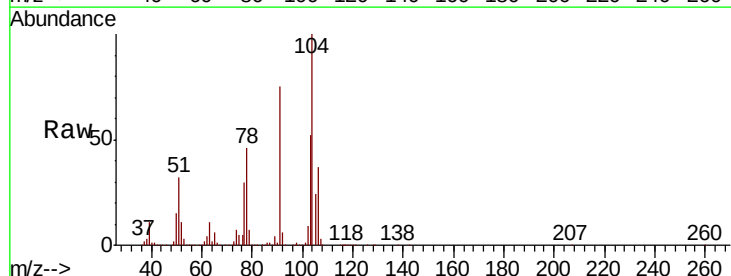
Acq: 07 Aug 2018 20:45

Tgt Ion:104 Resp: 474483

Ion Ratio Lower Upper

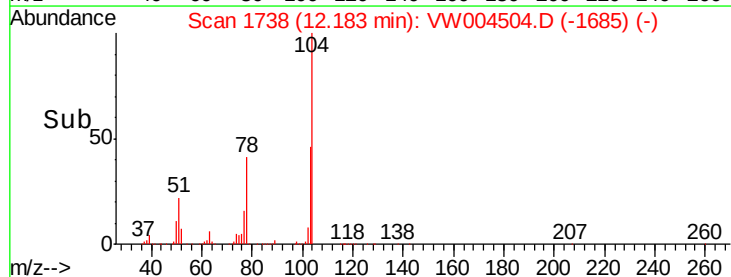
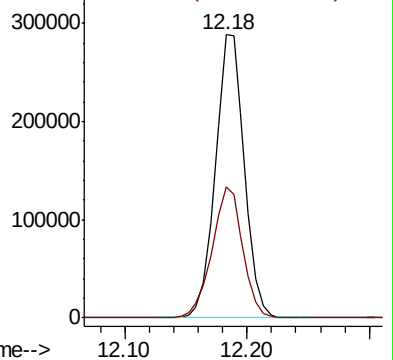
104 100

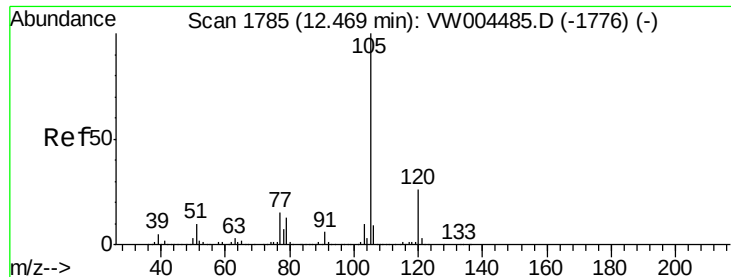
78 46.3 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 10.497 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

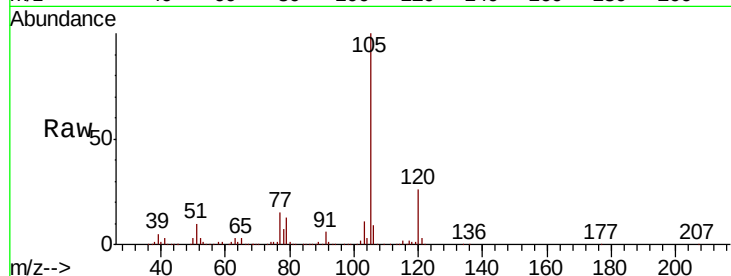
Tgt Ion:105 Resp: 732114

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

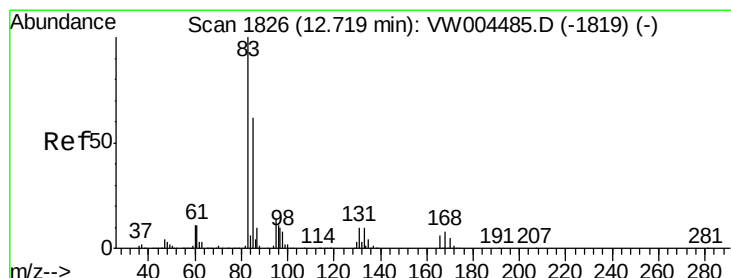
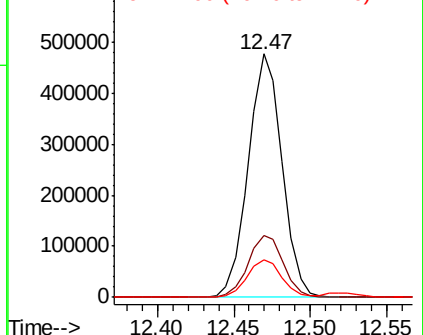
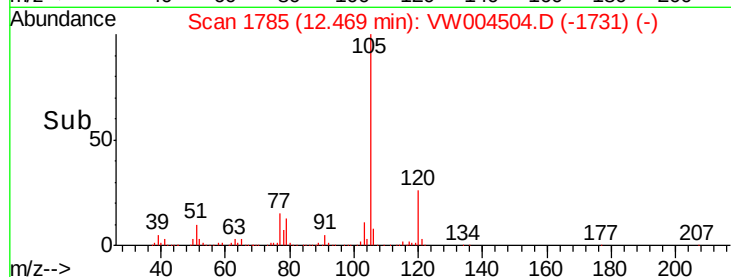
77 15.9 12.4 18.6



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: 8.350 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

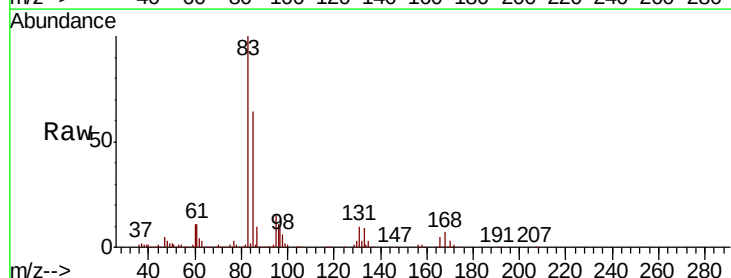
Tgt Ion: 83 Resp: 160824

Ion Ratio Lower Upper

83 100

85 64.1 46.1 85.5

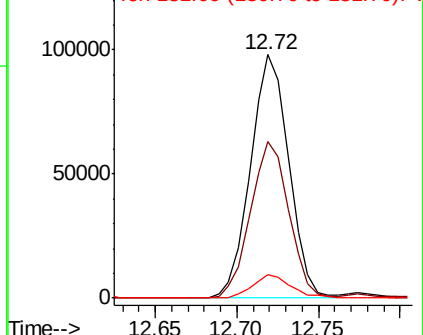
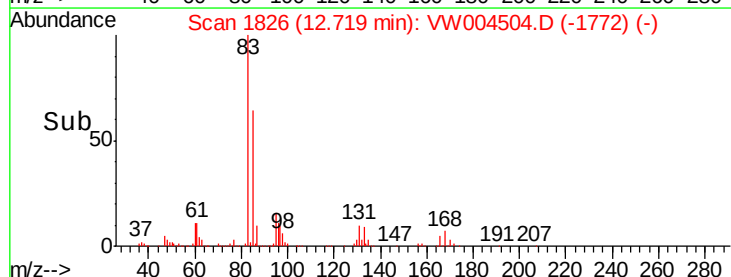
131 9.9 8.1 12.1

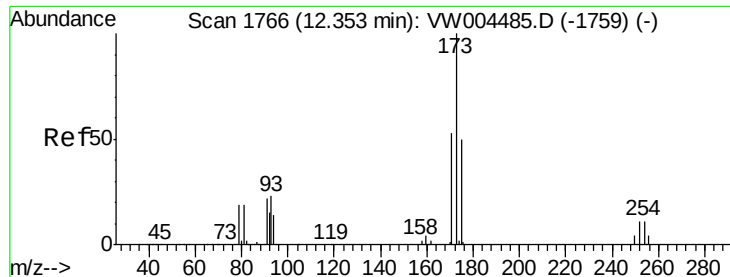


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#62

Bromoform

Concen: 8.211 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

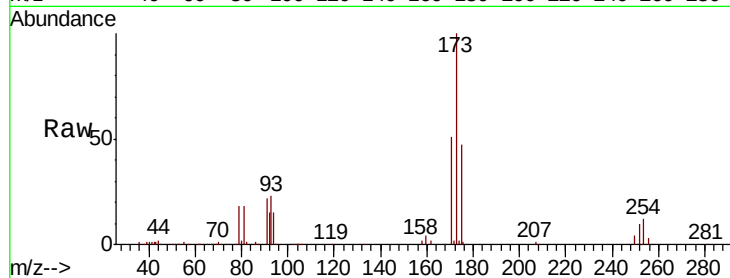
Tgt Ion:173 Resp: 83854

Ion Ratio Lower Upper

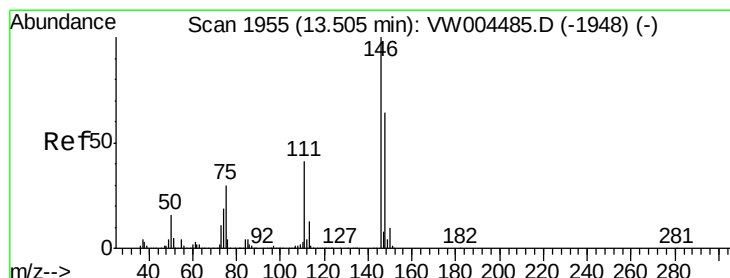
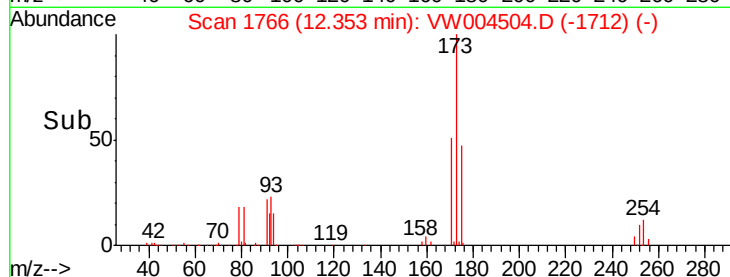
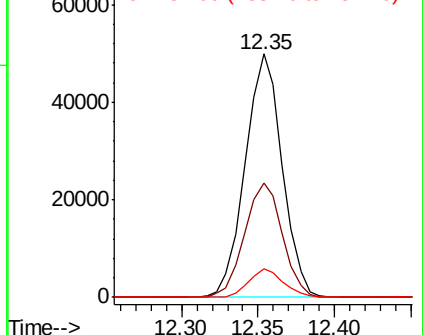
173 100

175 47.9 39.0 58.4

254 10.9 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 10.851 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

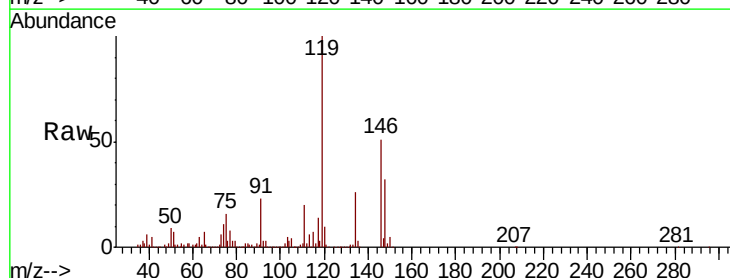
Tgt Ion:146 Resp: 379398

Ion Ratio Lower Upper

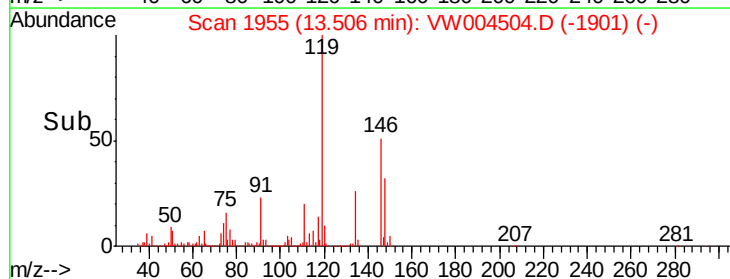
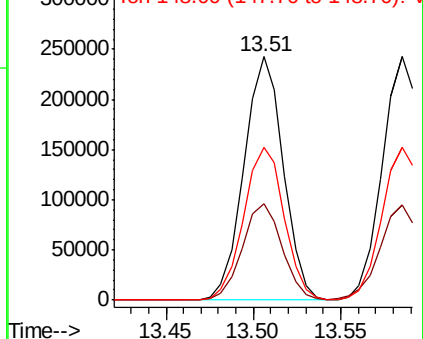
146 100

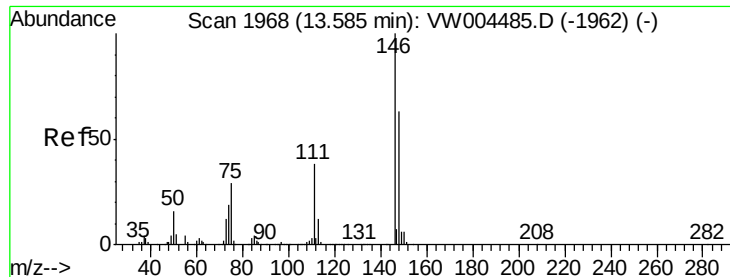
111 39.7 27.7 51.5

148 62.9 43.8 81.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 10.184 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

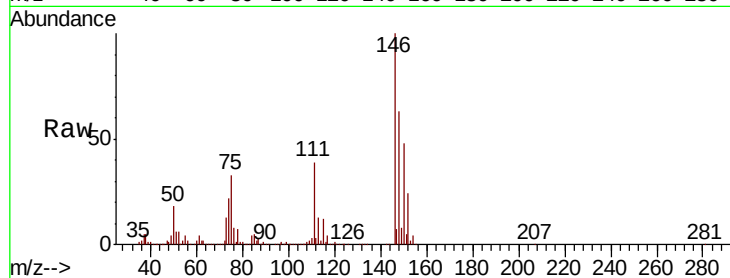
Tgt Ion:146 Resp: 382670

Ion Ratio Lower Upper

146 100

111 39.1 27.7 51.5

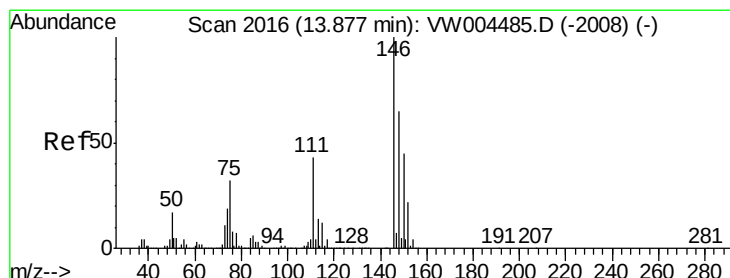
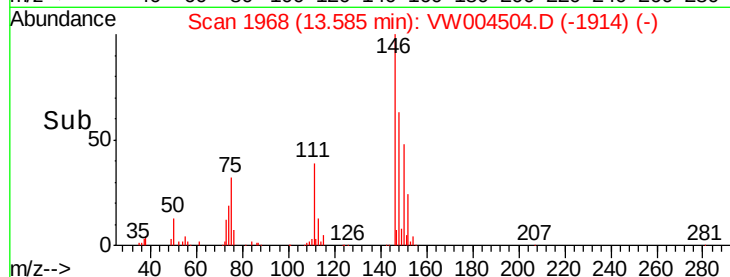
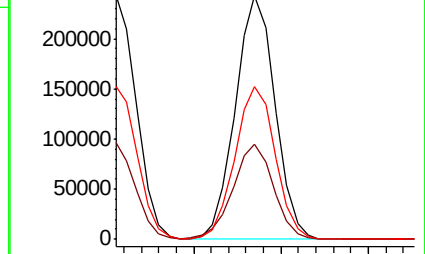
148 62.9 45.5 84.5



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



#65

1,2-Dichlorobenzene

Concen: 9.975 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004504.D

Acq: 07 Aug 2018 20:45

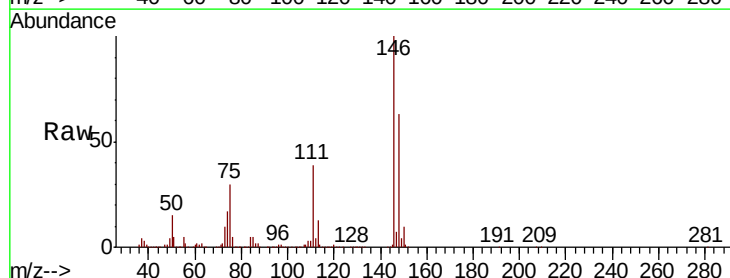
Tgt Ion:146 Resp: 349461

Ion Ratio Lower Upper

146 100

111 39.5 33.4 50.2

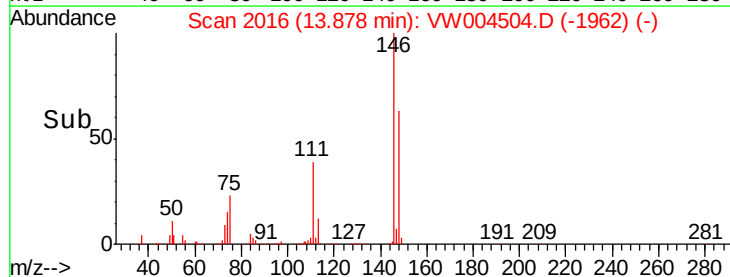
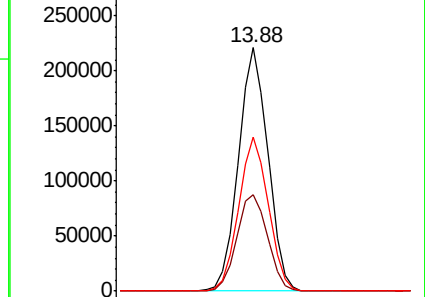
148 63.0 50.8 76.2

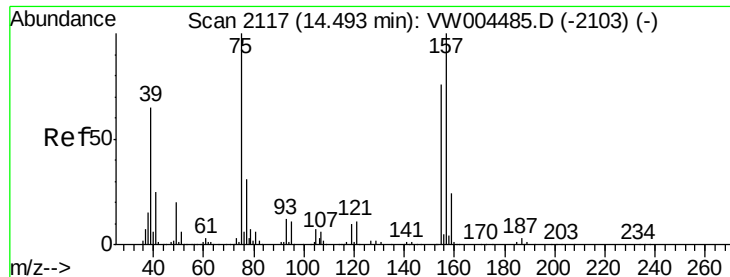


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

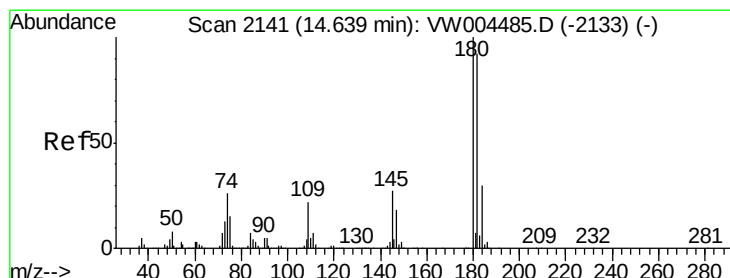
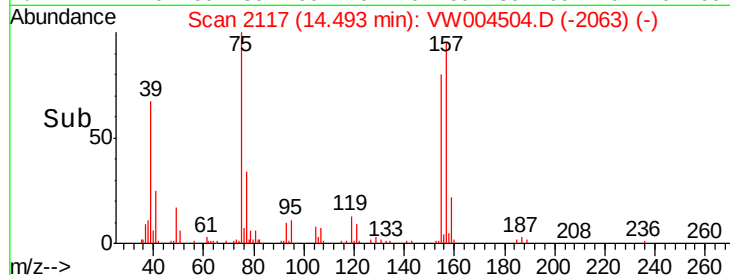
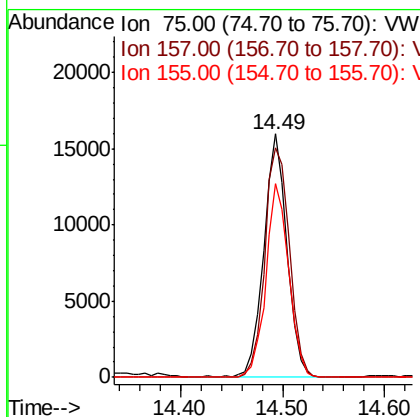
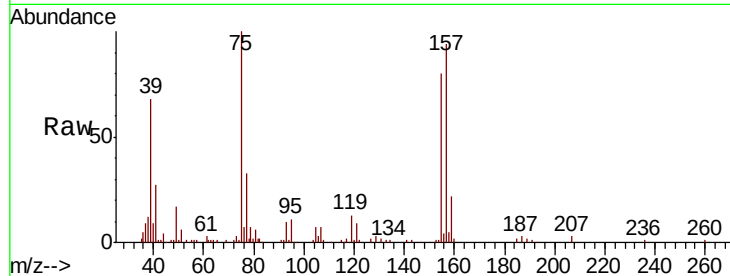




#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.010 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

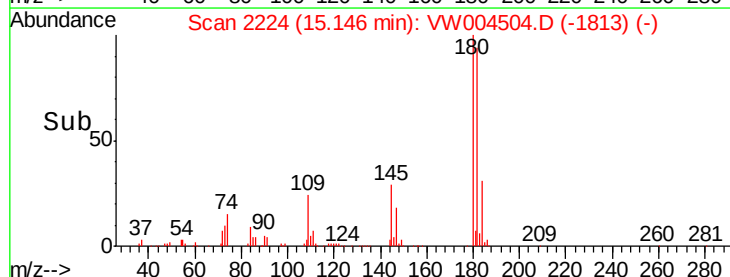
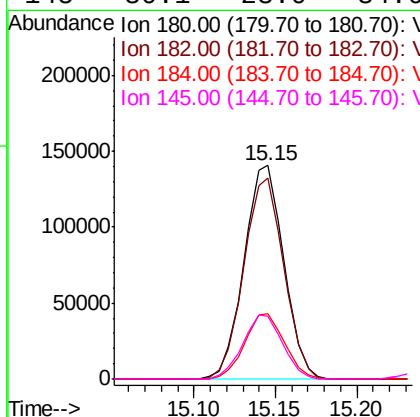
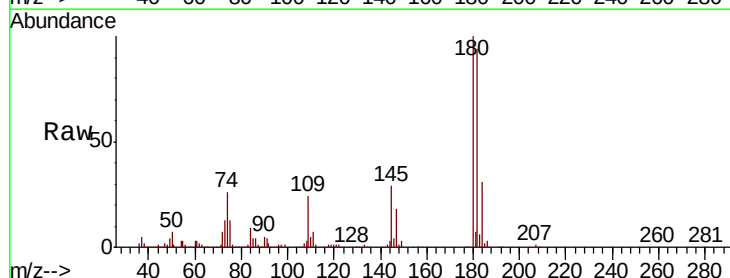
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

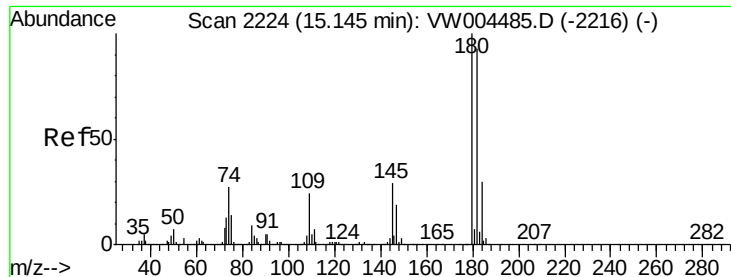
Tgt Ion: 75 Resp: 25226
 Ion Ratio Lower Upper
 75 100
 157 94.5 81.4 122.0
 155 79.6 63.0 94.6



#67
 1,3,5-Trichlorobenzene
 Concen: 8.605 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.51 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion: 180 Resp: 238507
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.1 112.7
 184 30.4 24.0 36.0
 145 30.1 23.0 34.6

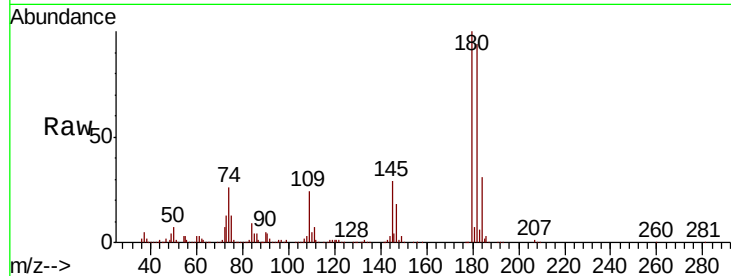




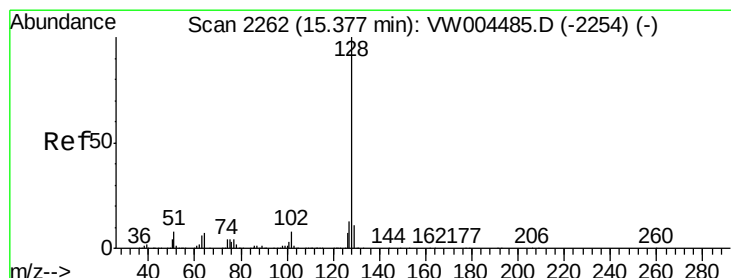
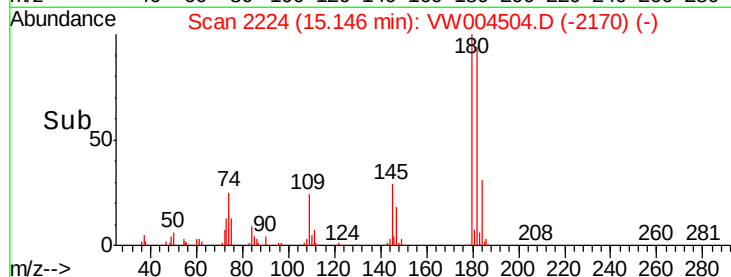
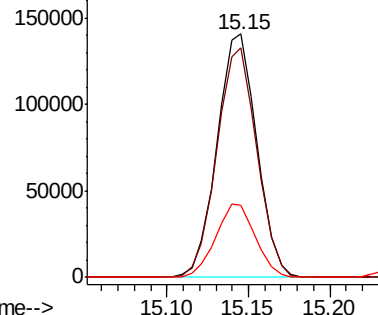
#68
 1,2,4-trichlorobenzene
 Concen: 10.637 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.9	115.3
145	30.1	23.4	35.2

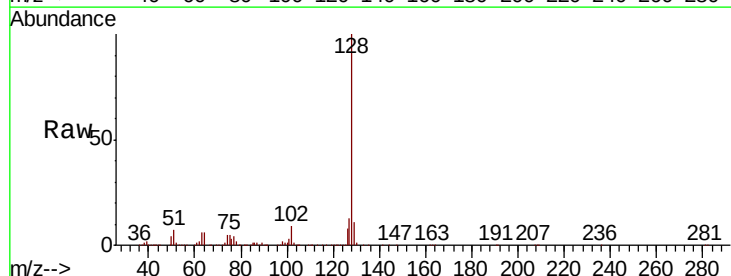


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

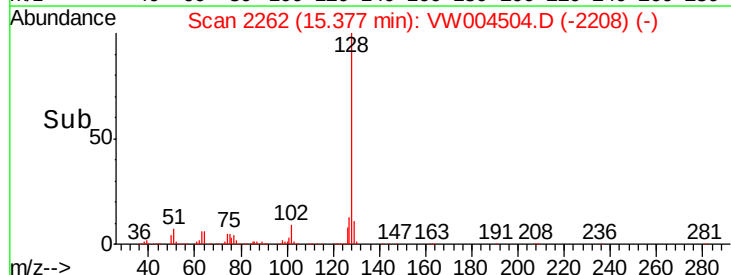
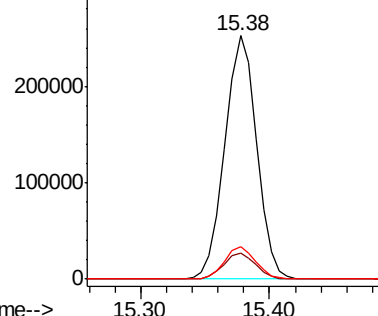


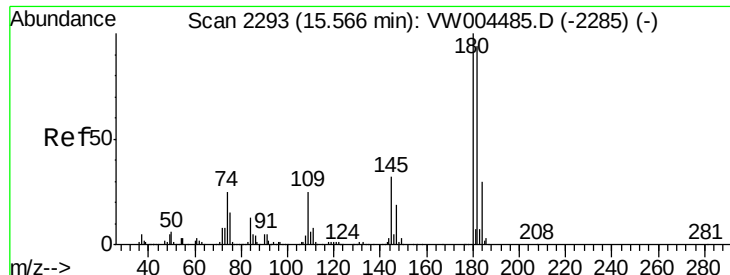
#69
 Naphthalene
 Concen: 8.423 ug/L
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.6	16.0



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

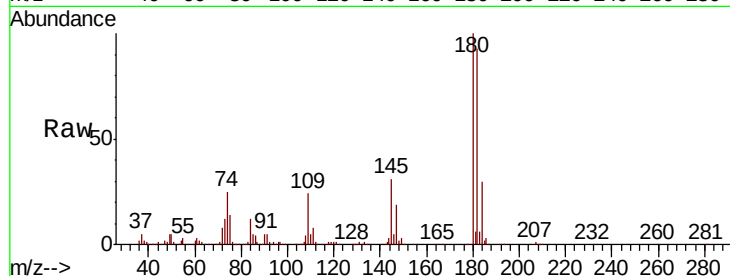




#70
 1,2,3-Trichlorobenzene
 Concen: 10.015 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW004504.D
 Acq: 07 Aug 2018 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	31.9	25.2	37.8



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

