

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004004.D
 Acq On : 18 Jul 2018 01:43
 Operator : VA/AP
 Sample : VW0717SBS02
 Misc : 6.86G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Manual Integrations
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 7/18/2018 12:30:35 PM

Quant Time: Jul 18 06:56:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	358349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135133	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.88	113	116897	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.33	98	465202	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	163053	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20735m	16.71	ug/l	
3) Chloromethane	2.21	50	37920	23.22	ug/l	98
4) Vinyl Chloride	2.36	62	50814	22.62	ug/l	98
5) Bromomethane	2.76	94	31292	22.29	ug/l	100
6) Chloroethane	2.92	64	27965	21.91	ug/l	99
7) Trichlorofluoromethane	3.24	101	21382	22.68	ug/l	97
8) Diethyl Ether	3.68	74	24132	22.05	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44752	20.57	ug/l	99
10) Methyl Iodide	4.26	142	68602	21.95	ug/l	100
11) Tert butyl alcohol	5.19	59	17681	103.72	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	46081	21.46	ug/l	99
13) Acrolein	3.89	56	15929	90.94	ug/l	100
14) Allyl chloride	4.66	41	76082	21.47	ug/l	98
15) Acrylonitrile	5.37	53	58360	104.05	ug/l	99
16) Acetone	4.12	43	50196	84.59	ug/l	97
17) Carbon Disulfide	4.37	76	146282	21.83	ug/l	98
18) Methyl Acetate	4.67	43	30458	21.38	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	84808	20.61	ug/l	100
20) Methylene Chloride	4.91	84	59117	17.45	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	51840	22.03	ug/l	97
22) Diisopropyl ether	6.31	45	162415	22.68	ug/l	98
23) Vinyl Acetate	6.26	43	459794	101.32	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97360	22.28	ug/l	99
25) 2-Butanone	7.18	43	77341	96.85	ug/l	99
26) 2,2-Dichloropropane	7.17	77	48144	19.19	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54128	21.28	ug/l	100
28) Bromochloromethane	7.51	49	41607	23.26	ug/l	96
29) Tetrahydrofuran	7.54	42	50730	101.99	ug/l	98
30) Chloroform	7.68	83	99191	22.82	ug/l	99
31) Cyclohexane	7.96	56	84807	20.70	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	74885	22.06	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76569	20.77	ug/l	99
37) Ethyl Acetate	7.26	43	35441	19.93	ug/l	99
38) Carbon Tetrachloride	8.07	117	70035	20.33	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82876	19.19	ug/l	95
40) Benzene	8.32	78	222023	21.71	ug/l	100
41) Methacrylonitrile	7.49	41	20281	20.58	ug/l	92
42) 1,2-Dichloroethane	8.40	62	68778	22.04	ug/l	99
43) Isopropyl Acetate	8.43	43	66351	19.95	ug/l	99
44) Trichloroethene	9.09	130	55099	20.78	ug/l	97
45) 1,2-Dichloropropane	9.37	63	56785	21.75	ug/l	98
46) Dibromomethane	9.46	93	29407	21.71	ug/l	97
47) Bromodichloromethane	9.65	83	71901	21.53	ug/l	94
48) Methyl methacrylate	9.44	41	31465	19.56	ug/l	98
49) 1,4-Dioxane	9.46	88	9063	435.22	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	175644	99.12	ug/l	99
52) Toluene	10.39	92	136872	21.64	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	68489	19.61	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	77715	19.45	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40566	21.29	ug/l	97
56) Ethyl methacrylate	10.65	69	46030	18.84	ug/l	94
57) 1,3-Dichloropropane	10.93	76	70319	21.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120404	106.52	ug/l	98
59) 2-Hexanone	10.98	43	117763	94.29	ug/l	96
60) Dibromochloromethane	11.13	129	46246	20.84	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37475	20.67	ug/l	99
64) Tetrachloroethene	10.87	164	53109	23.50	ug/l	97
65) Chlorobenzene	11.66	112	144717	20.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	50499	20.75	ug/l	100
67) Ethyl Benzene	11.74	91	251781	20.47	ug/l	98
68) m/p-Xylenes	11.85	106	196524	41.80	ug/l	99
69) o-Xylene	12.17	106	88498	20.29	ug/l	97
70) Styrene	12.19	104	151503	20.80	ug/l	99
71) Bromoform	12.35	173	26940	19.61	ug/l #	98
73) Isopropylbenzene	12.47	105	244986	20.10	ug/l	99
74) N-amyl acetate	12.28	43	60795	19.14	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	47130	19.99	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	40419m	23.60	ug/l	
77) Bromobenzene	12.76	156	60213	20.64	ug/l	98
78) n-propylbenzene	12.81	91	308304	20.62	ug/l	100
79) 2-Chlorotoluene	12.90	91	177545	21.05	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	211468	20.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12736	16.45	ug/l	90
82) 4-Chlorotoluene	12.99	91	188033	20.77	ug/l	100
83) tert-Butylbenzene	13.21	119	170372	19.78	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	219177	20.77	ug/l	98
85) sec-Butylbenzene	13.39	105	261394	20.46	ug/l	99
86) p-Isopropyltoluene	13.51	119	223451	19.94	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	118572	20.35	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	119777	20.50	ug/l	99
89) n-Butylbenzene	13.83	91	215657	19.57	ug/l	99
90) Hexachloroethane	14.10	117	42159	20.40	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	109027	21.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8104	19.33	ug/l	94

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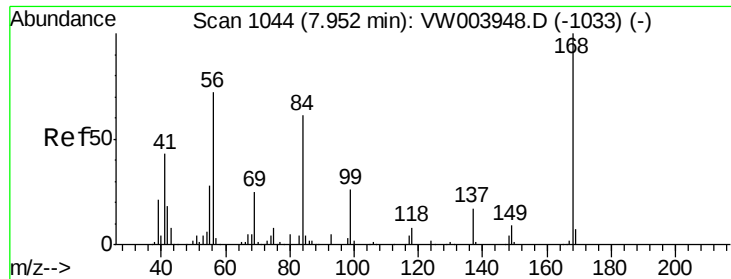
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	71507	19.62	ug/l	99
94) Hexachlorobutadiene	15.25	225	41565	19.86	ug/l	99
95) Naphthalene	15.38	128	126193	18.76	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	63815	19.77	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion:168 Resp: 220916

Ion Ratio Lower Upper

168 100

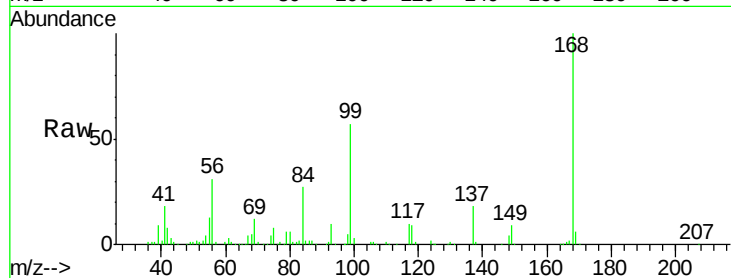
99 56.6 43.8 65.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

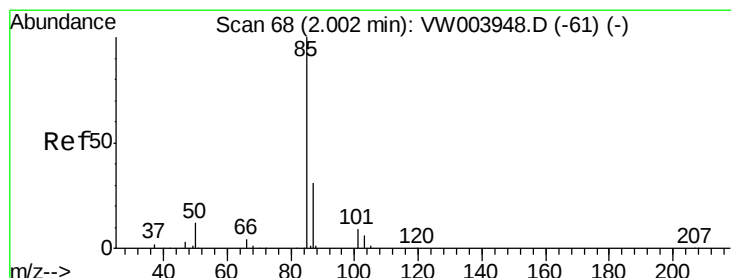
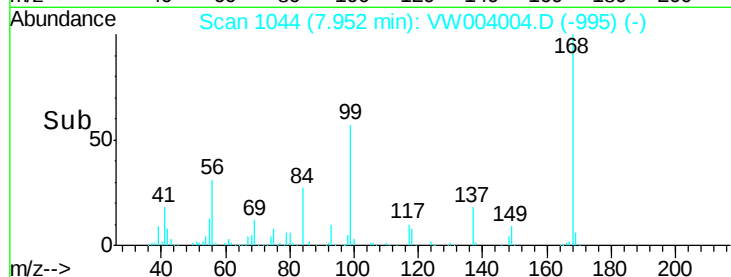
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.71 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004004.D

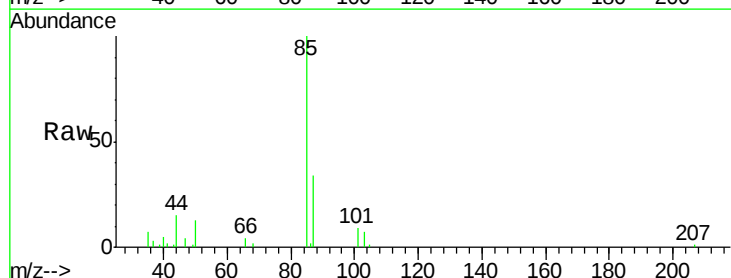
Acq: 18 Jul 2018 01:43

Tgt Ion: 85 Resp: 20735

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

6000

4000

2000

0

1.90

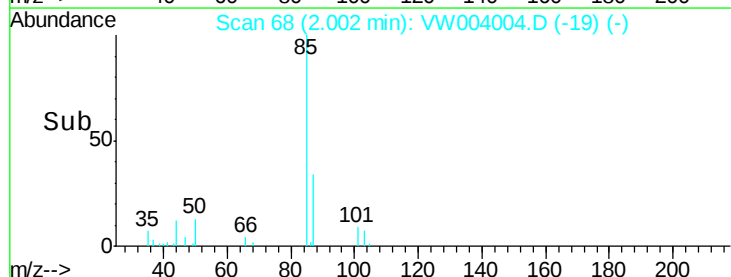
2.00

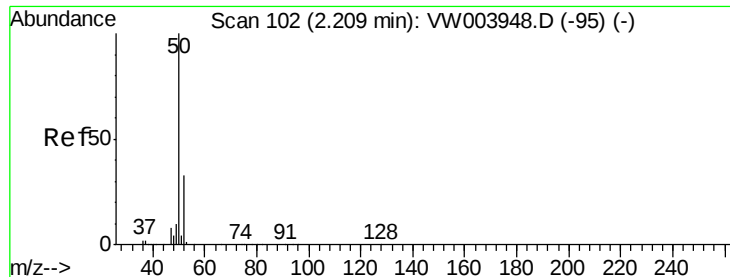
2.10

2.20

2.30

Time-->





#3

Chloromethane

Concen: 23.22 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 50 Resp: 37920

Ion Ratio Lower Upper

50 100

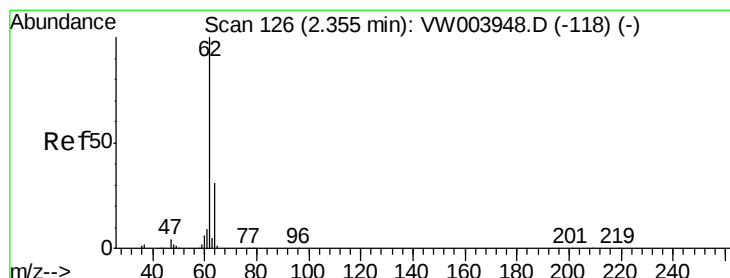
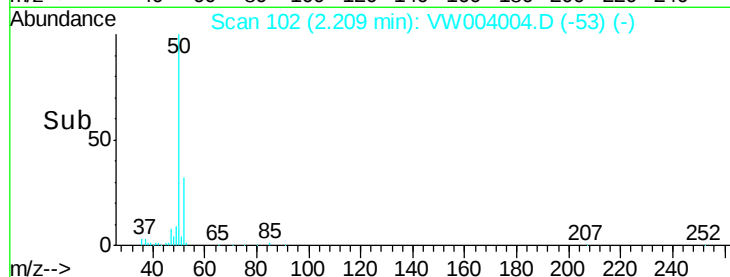
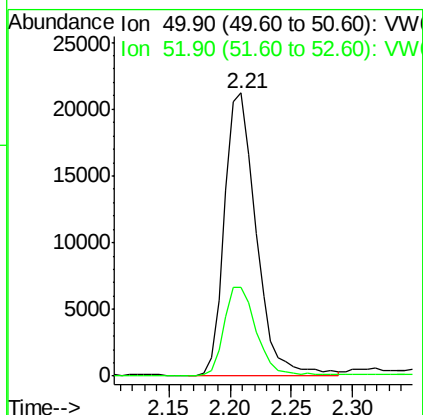
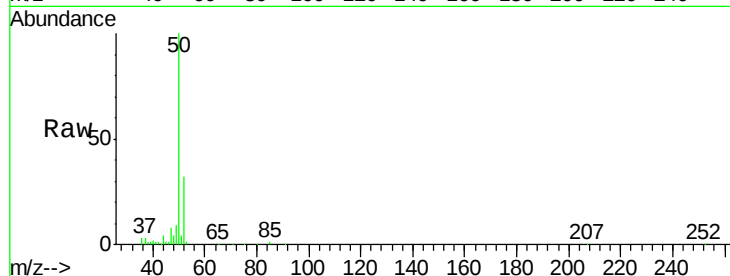
52 31.6 26.3 39.5

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#4

Vinyl Chloride

Concen: 22.62 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004004.D

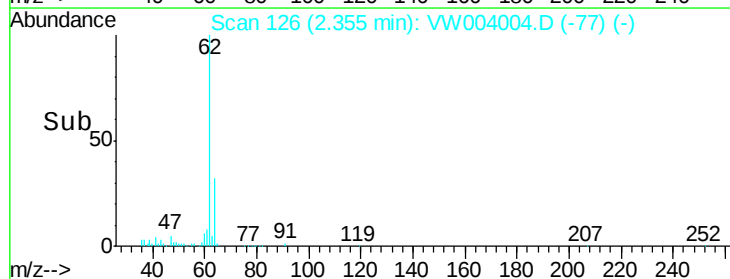
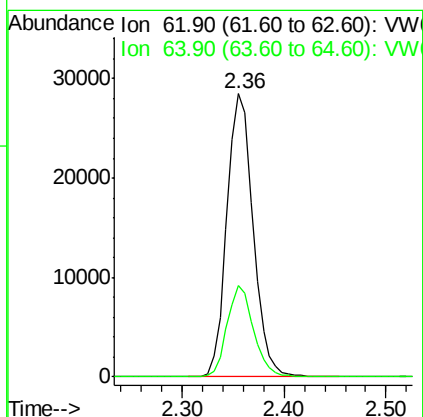
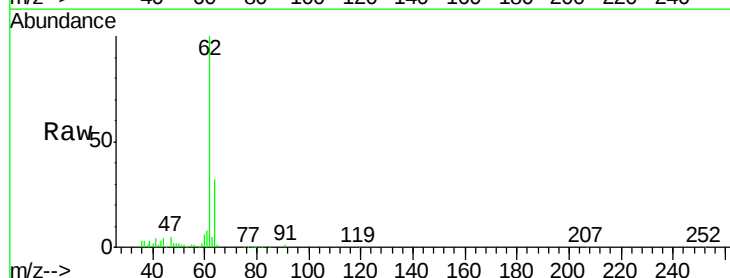
Acq: 18 Jul 2018 01:43

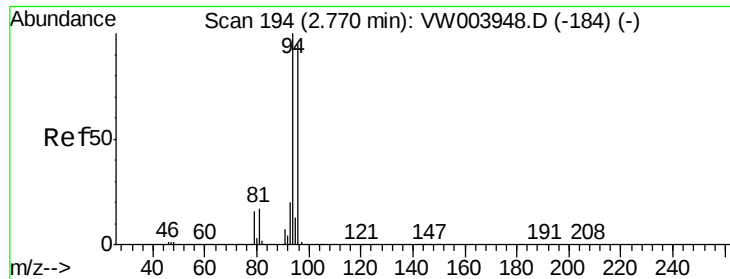
Tgt Ion: 62 Resp: 50814

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6





#5

Bromomethane

Concen: 22.29 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 94 Resp: 31292

Ion Ratio Lower Upper

94 100

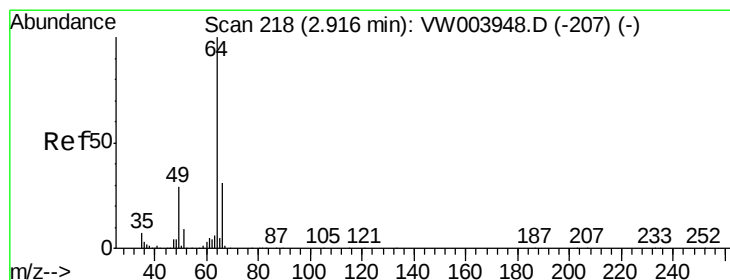
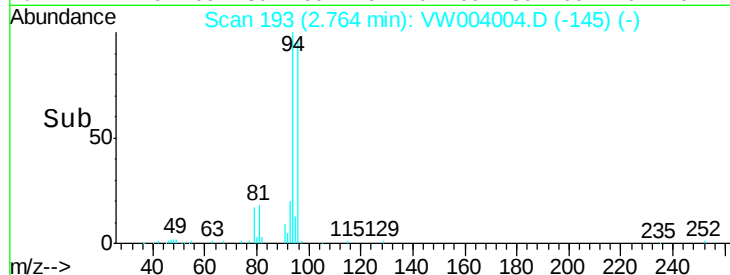
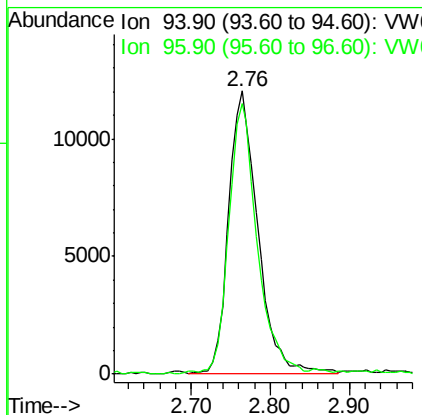
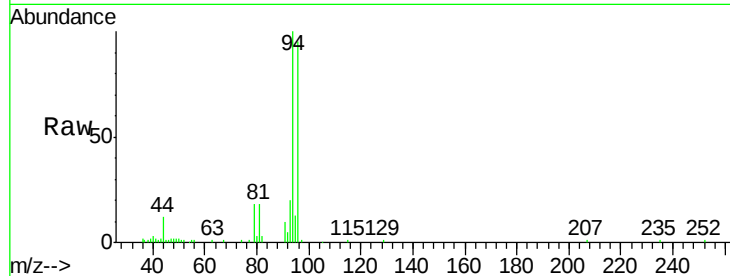
96 94.3 75.8 113.6

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#6

Chloroethane

Concen: 21.91 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW004004.D

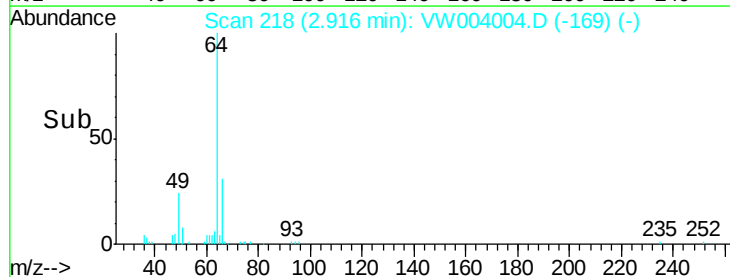
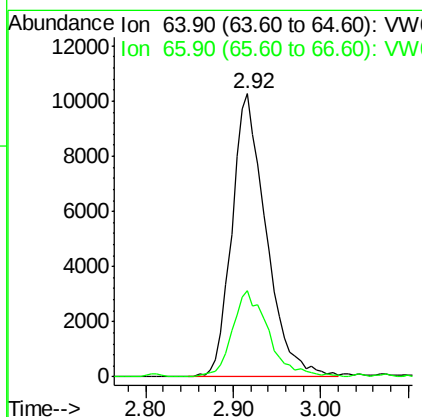
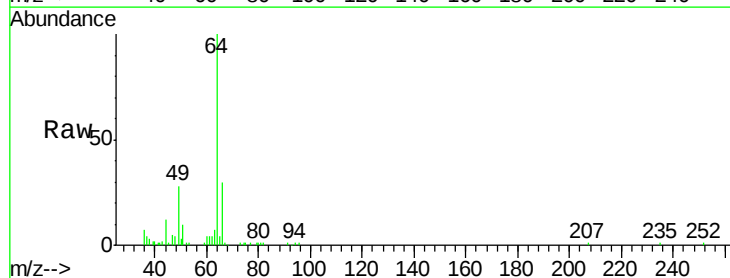
Acq: 18 Jul 2018 01:43

Tgt Ion: 64 Resp: 27965

Ion Ratio Lower Upper

64 100

66 30.3 24.5 36.7





#7

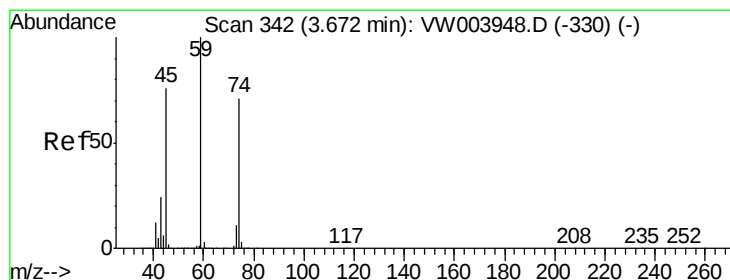
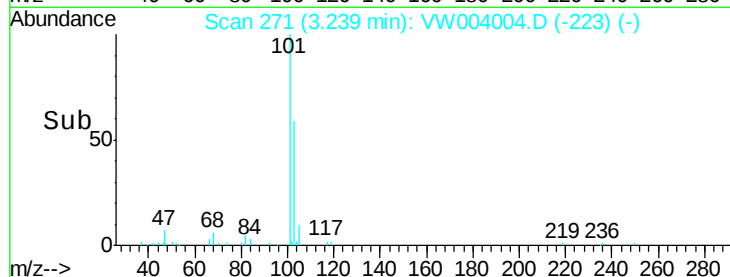
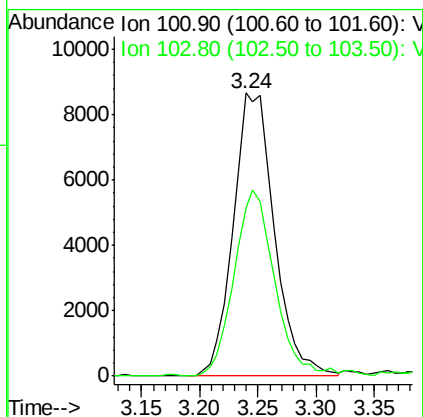
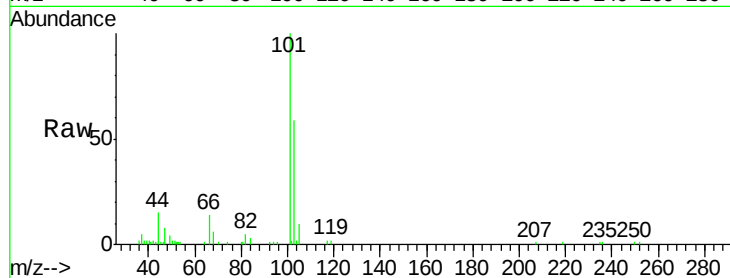
Trichlorofluoromethane
Concen: 22.68 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

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ClientSampleId :
VW0717SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	49.0	73.6

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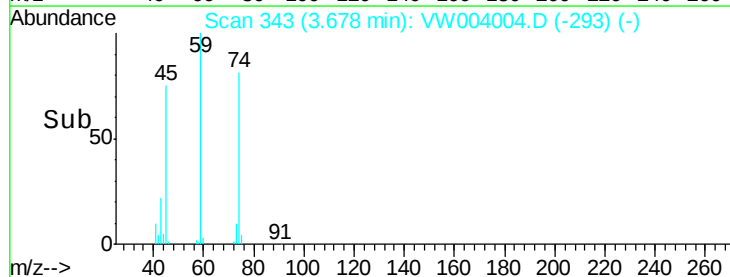
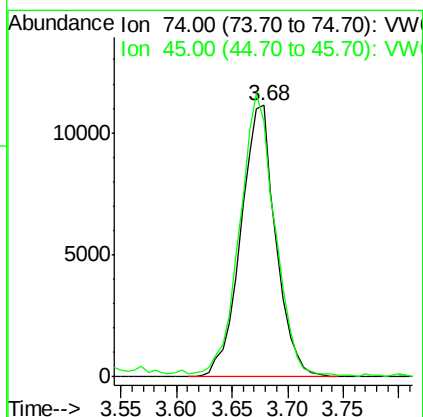
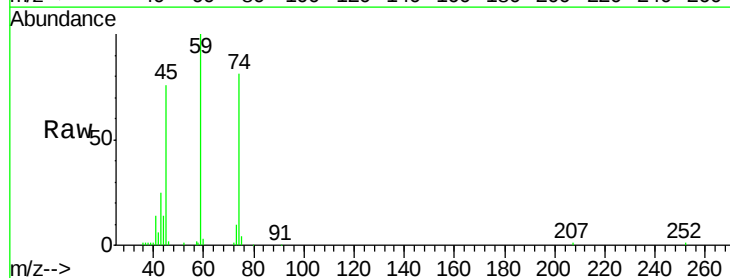
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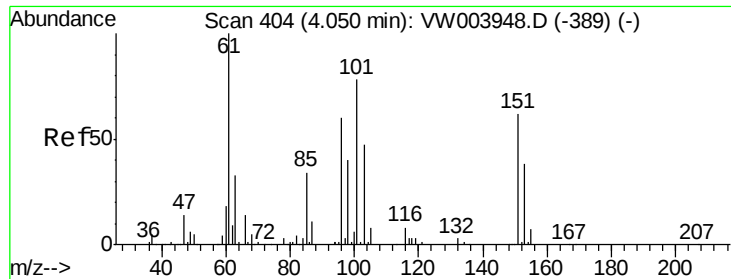


#8

Diethyl Ether
Concen: 22.05 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.57 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

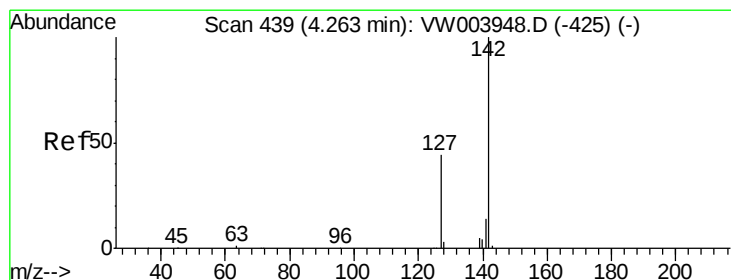
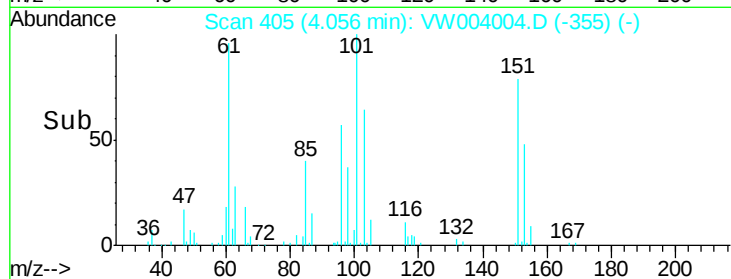
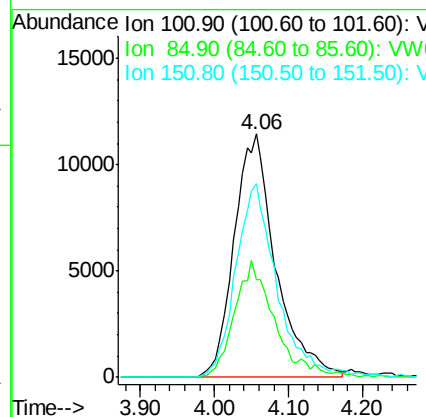
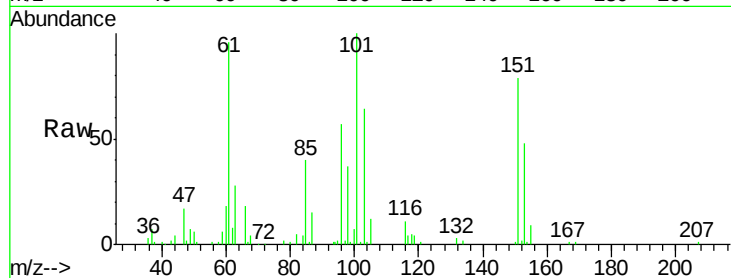
ClientSampleId :

VW0717SBS02

Tot Ion:	101	Resp:	44752
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.8	53.6
151	79.0	63.6	95.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.95 ug/l

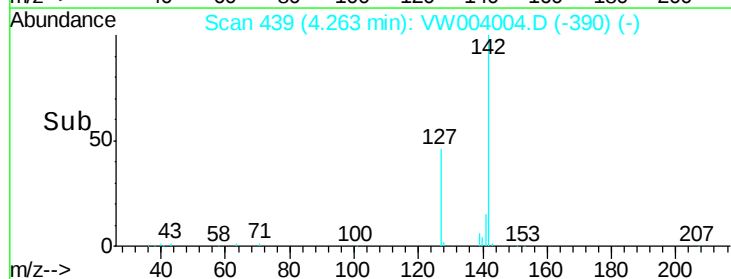
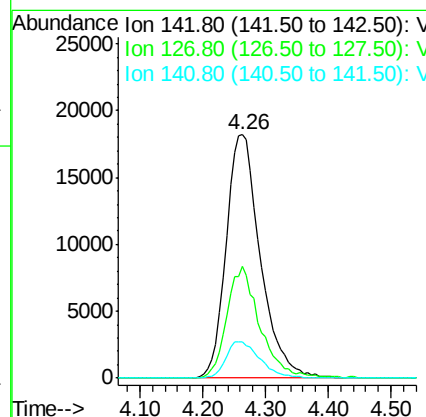
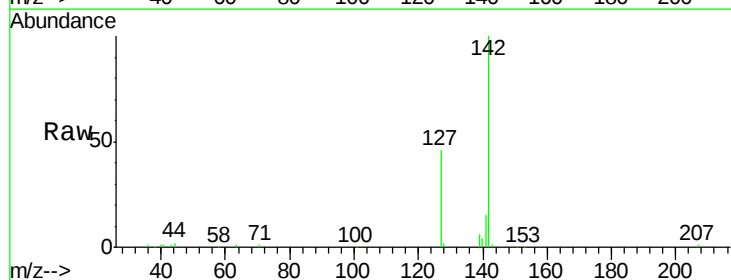
RT: 4.26 min Scan# 439

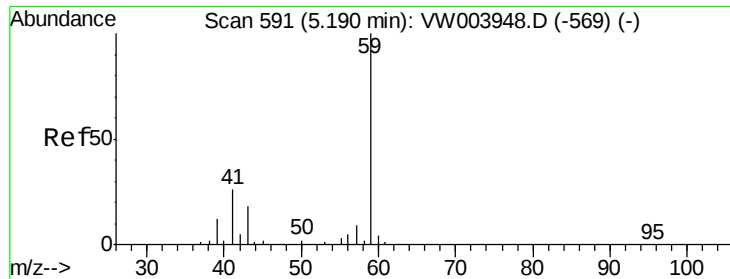
Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion:	142	Resp:	68602
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.4	53.2
141	15.0	11.7	17.5





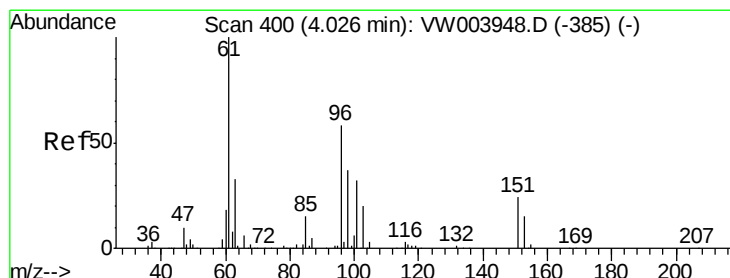
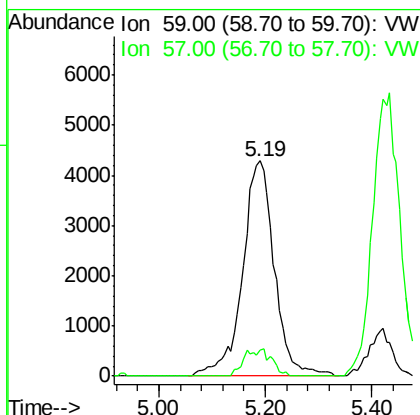
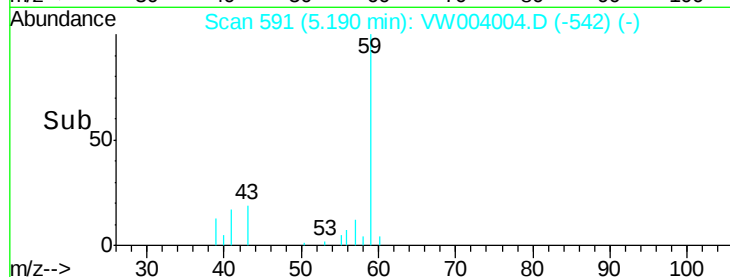
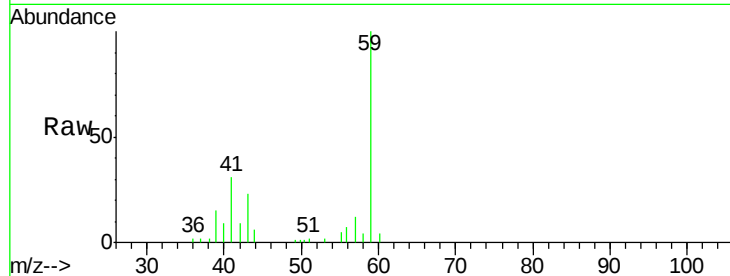
#11
Tert butyl alcohol
Concen: 103.72 ug/l
RT: 5.19 min Scan# 591
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

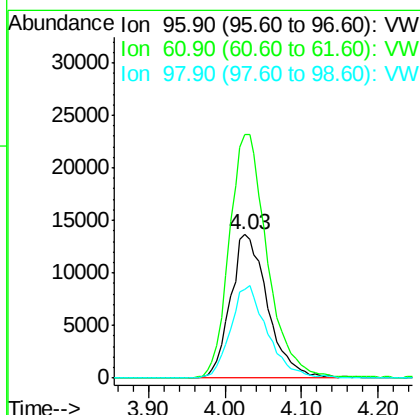
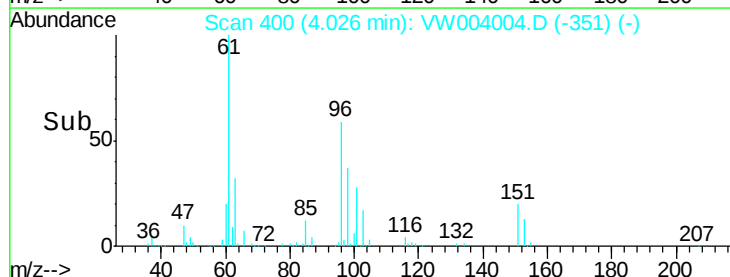
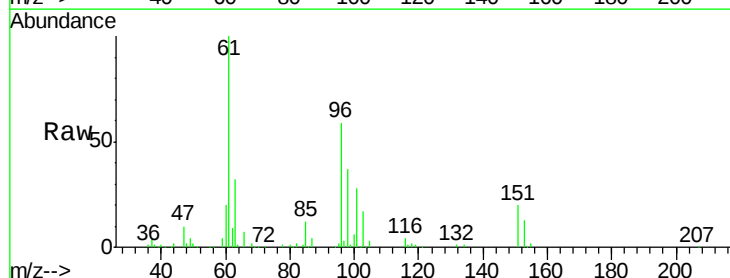
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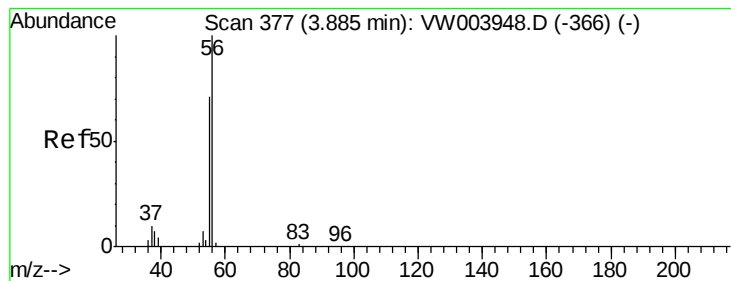
apatel
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#12
1,1-Dichloroethene
Concen: 21.46 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	137.0	205.6
98	62.3	50.2	75.4





#13

Acrolein

Concen: 90.94 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 56 Resp: 15929

Ion Ratio Lower Upper

56 100

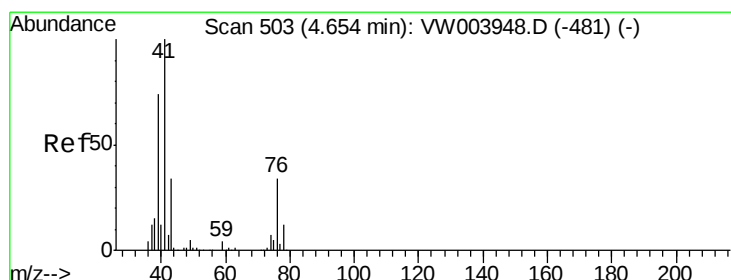
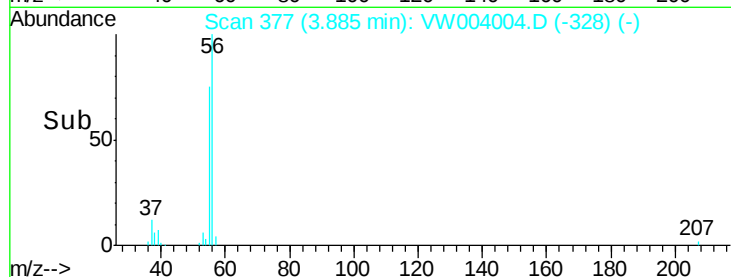
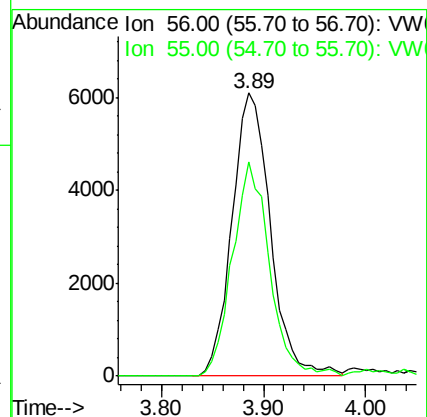
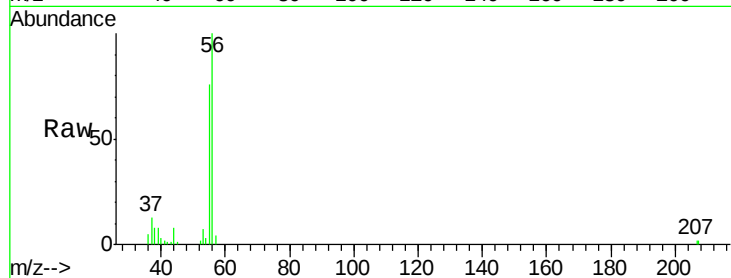
55 72.8 58.2 87.4

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#14

Allyl chloride

Concen: 21.47 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

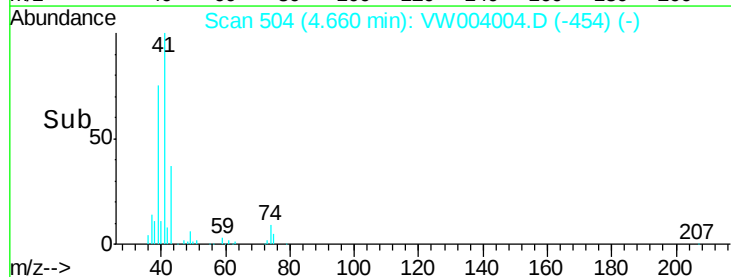
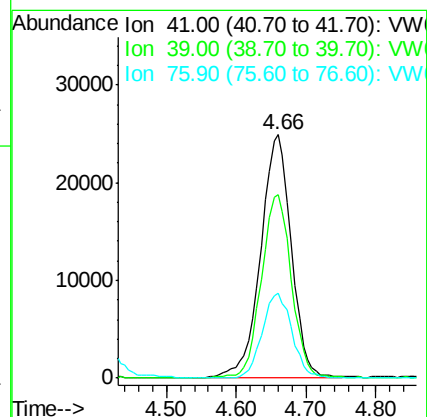
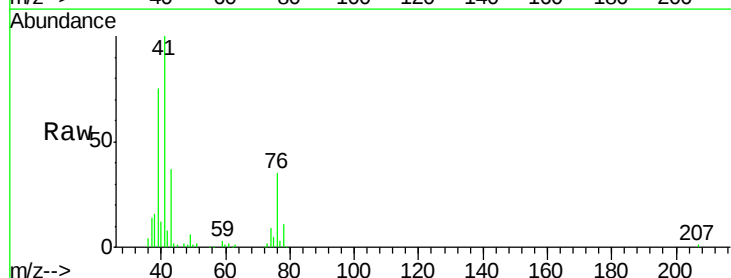
Tgt Ion: 41 Resp: 76082

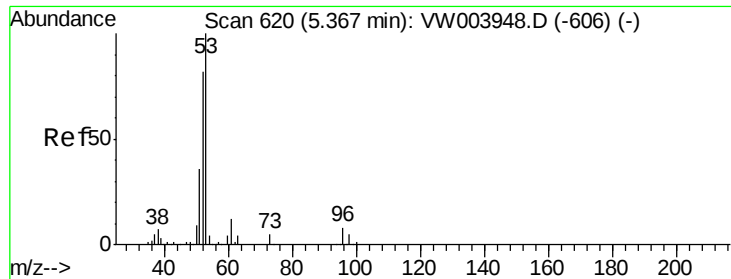
Ion Ratio Lower Upper

41 100

39 73.8 57.0 85.4

76 33.8 26.5 39.7





#15

Acrylonitrile

Concen: 104.05 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

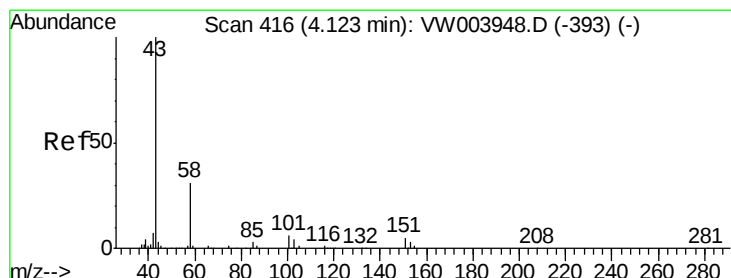
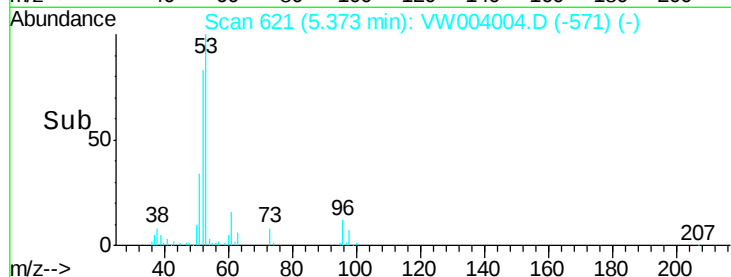
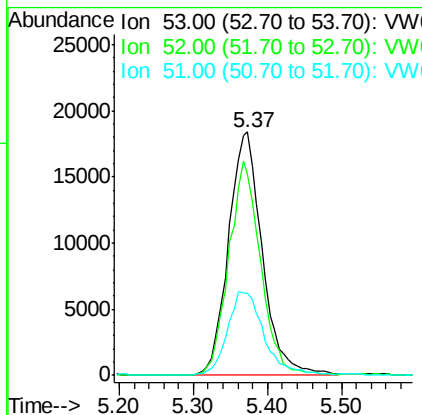
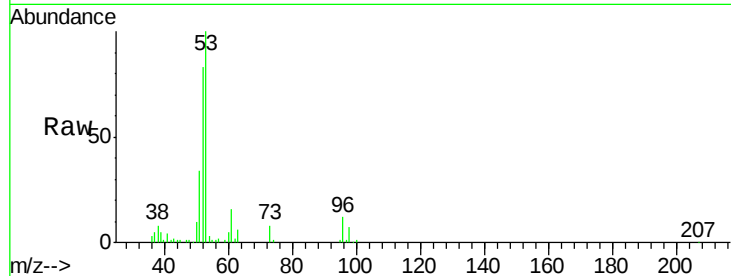
ClientSampleId :

VW0717SBS02

Tot Ion:	53	Resp:	58360
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.1	99.1
51	37.4	29.8	44.6

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#16

Acetone

Concen: 84.59 ug/l

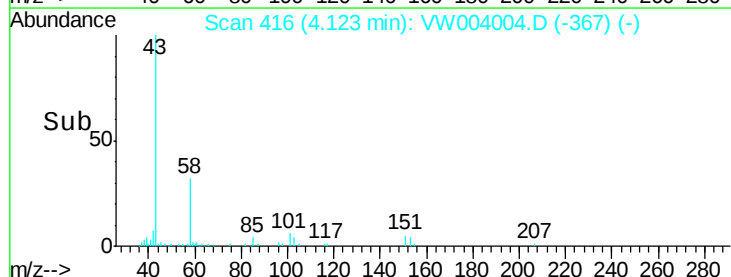
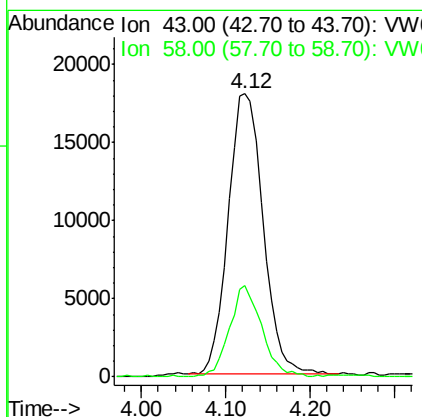
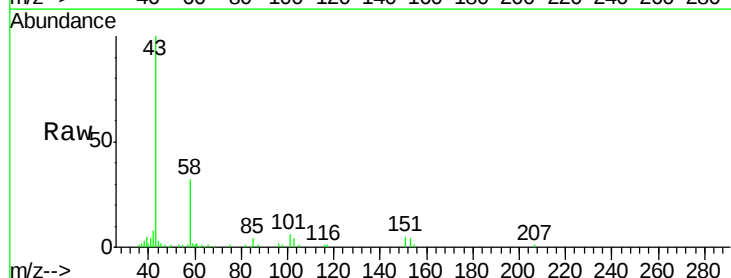
RT: 4.12 min Scan# 416

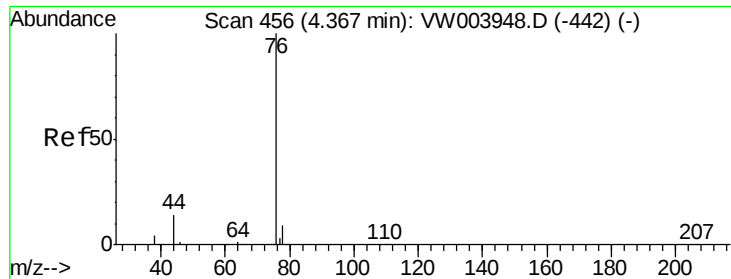
Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion:	43	Resp:	50196
Ion Ratio	Lower	Upper	
43	100		
58	32.2	24.5	36.7





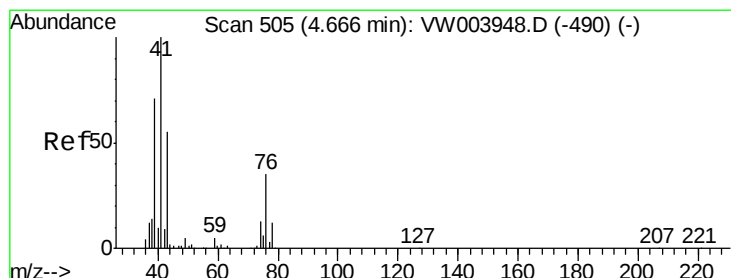
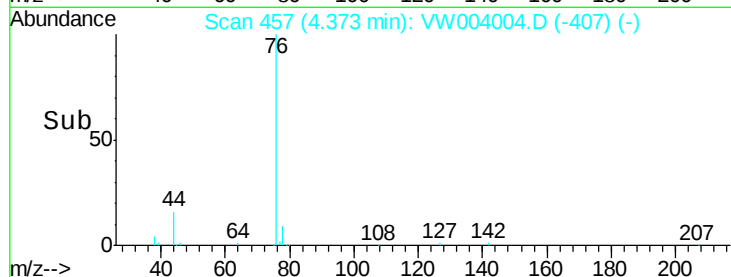
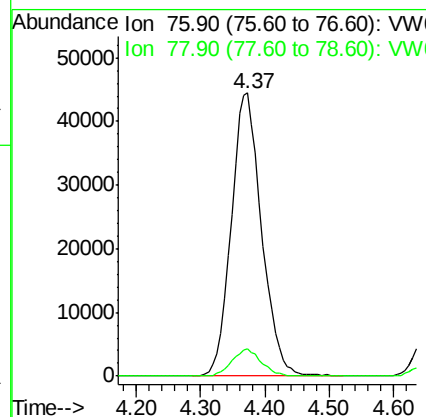
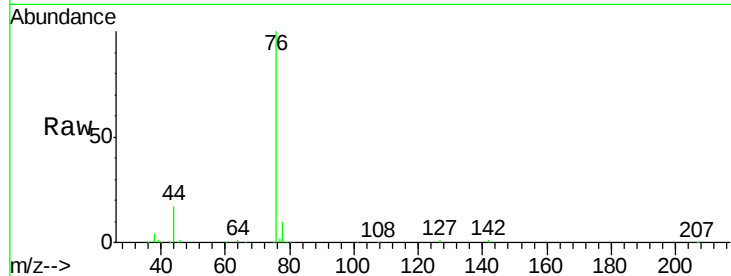
#17
Carbon Disulfide
Concen: 21.83 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

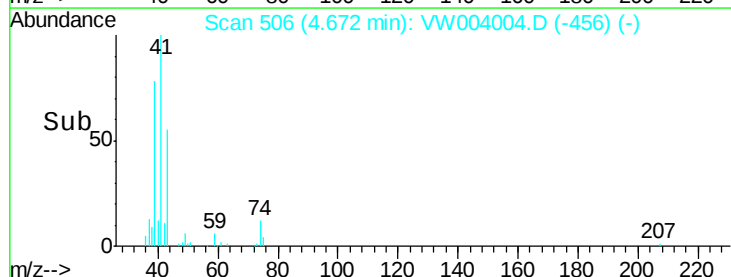
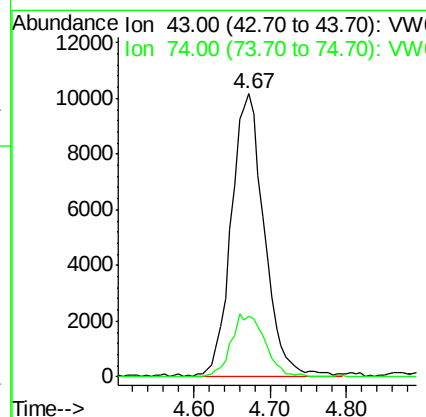
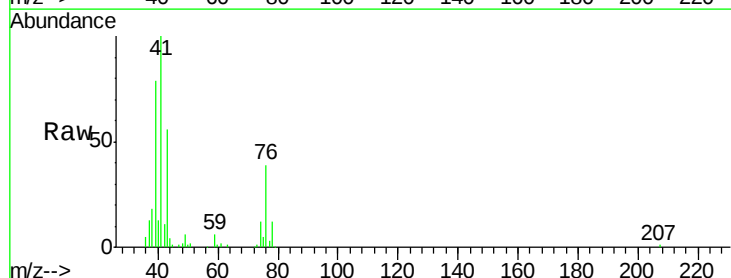
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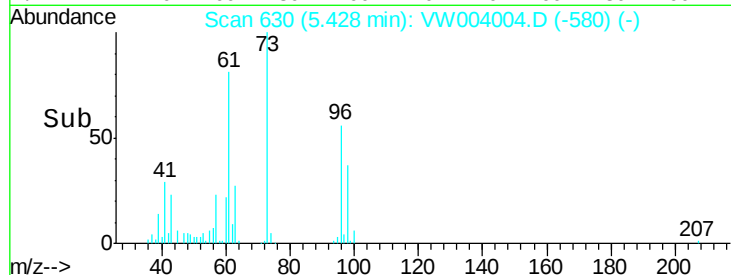
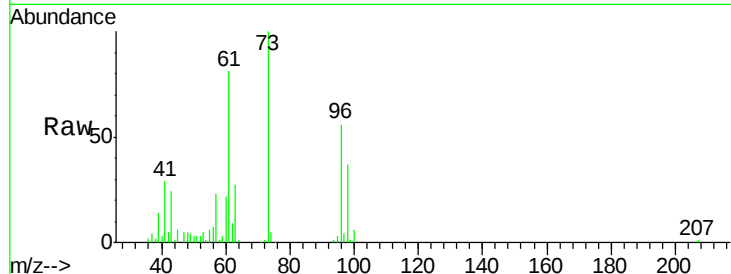
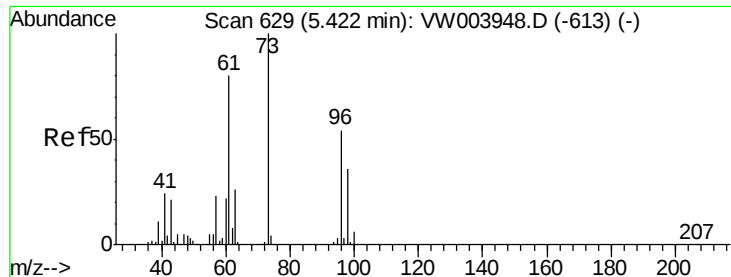
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#18
Methyl Acetate
Concen: 21.38 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5





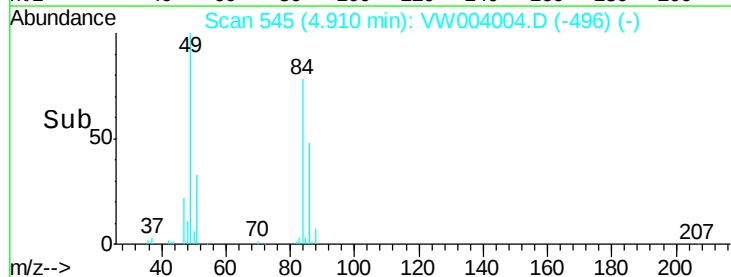
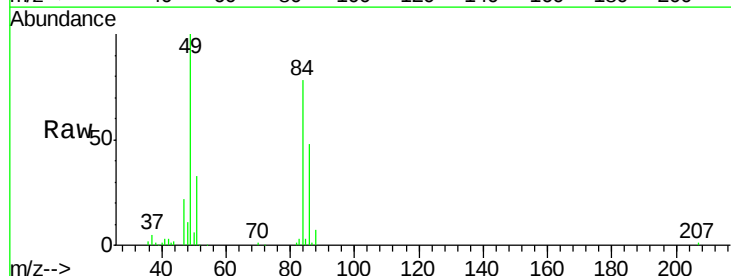
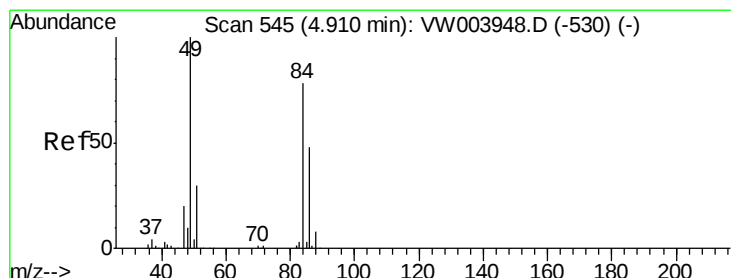
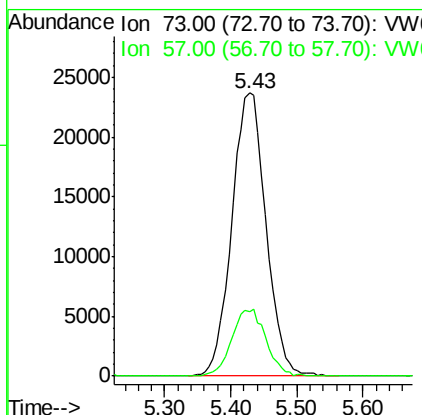
#19
Methvl tert-butvl Ether
Concen: 20.61 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tot Ion: 73 Resp: 84808
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

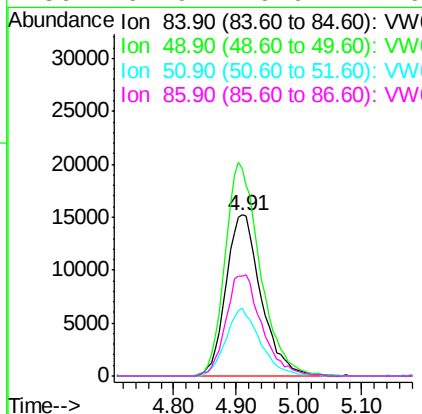
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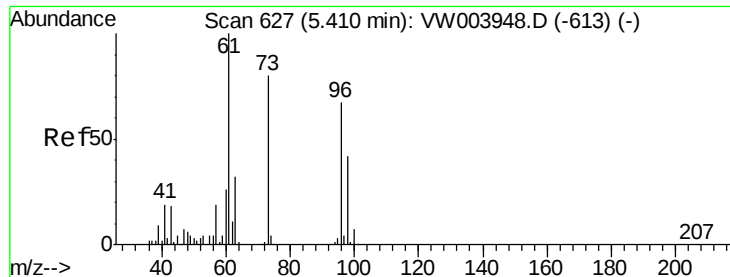
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#20
Methylene Chloride
Concen: 17.45 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 84 Resp: 59117
Ion Ratio Lower Upper
84 100
49 128.6 102.9 154.3
51 41.9 30.9 46.3
86 61.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 22.03 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

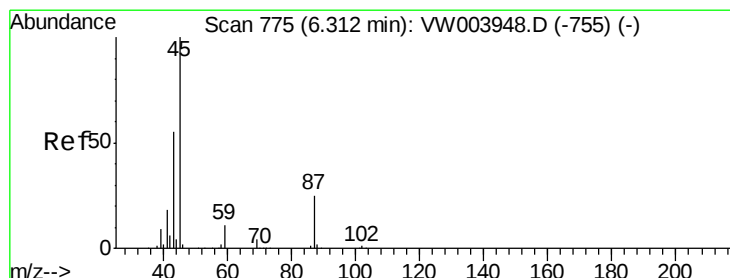
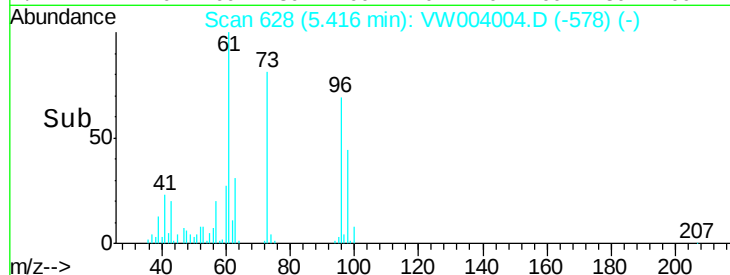
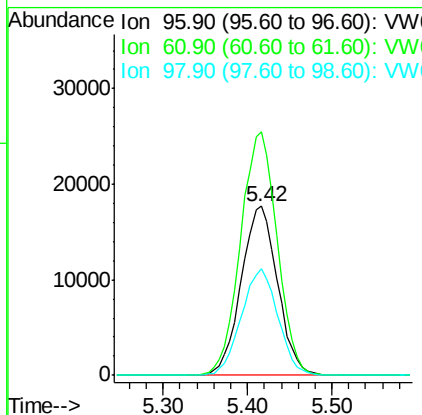
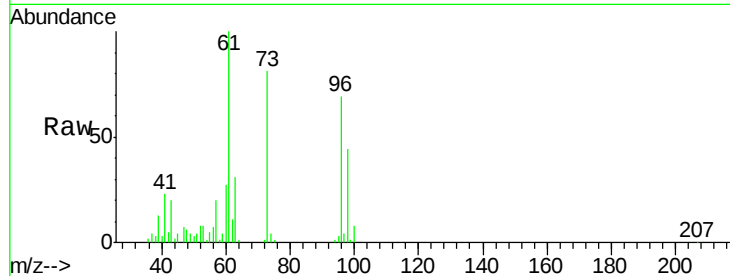
ClientSampleId :

VW0717SBS02

Tot Ion:	96	Resp:	51840
Ion	Ratio	Lower	Upper
96	100		
61	144.0	119.0	178.4
98	63.1	49.9	74.9

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#22

Diisopropyl ether

Concen: 22.68 ug/l

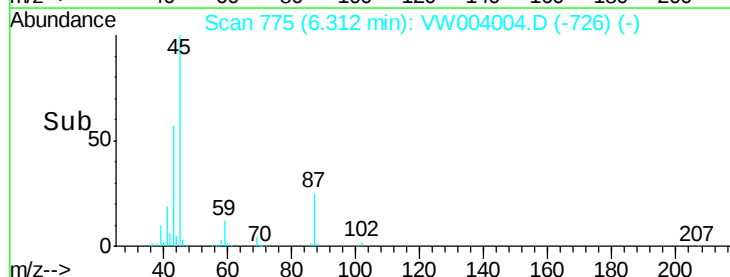
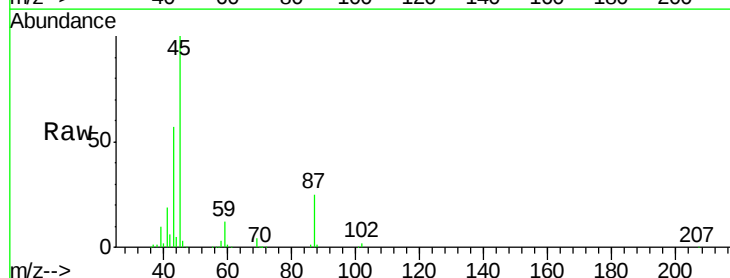
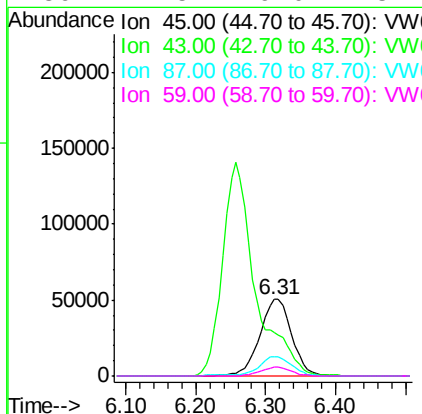
RT: 6.31 min Scan# 775

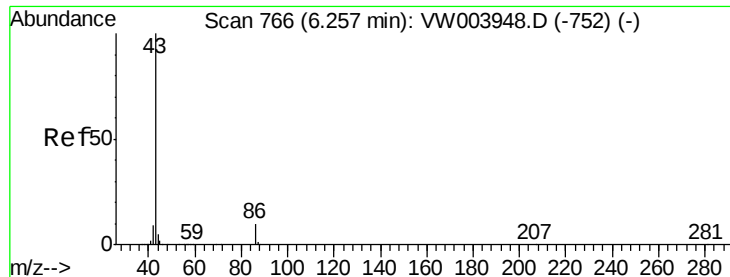
Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion:	45	Resp:	162415
Ion	Ratio	Lower	Upper
45	100		
43	57.1	44.3	66.5
87	25.0	20.2	30.4
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 101.32 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 43 Resp: 459794

Ion Ratio Lower Upper

43 100

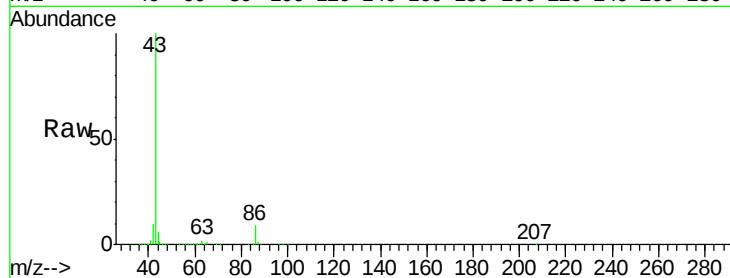
86 9.2 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

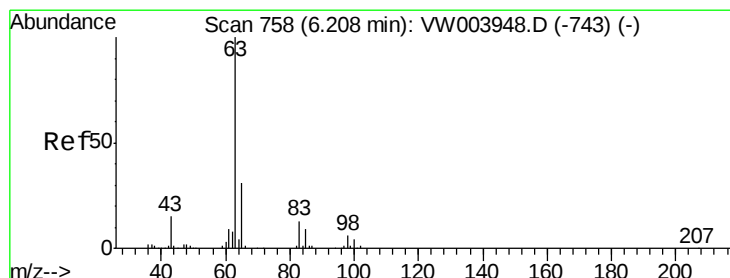
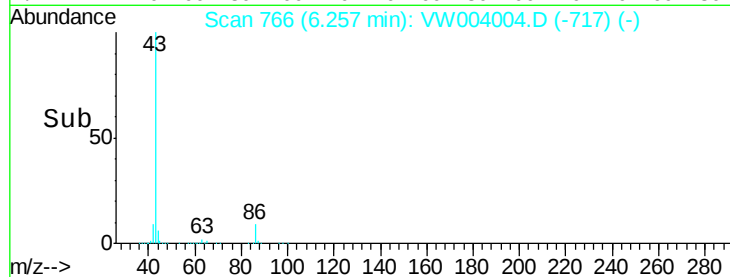
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.28 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

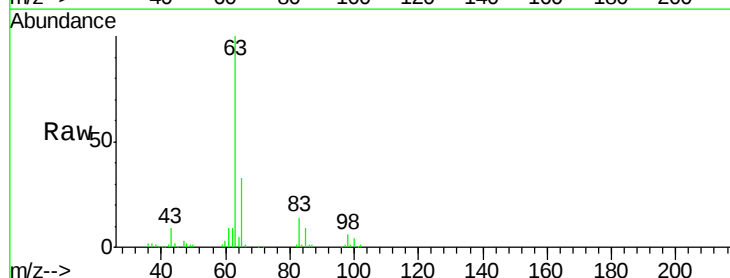
Tgt Ion: 63 Resp: 97360

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.8 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

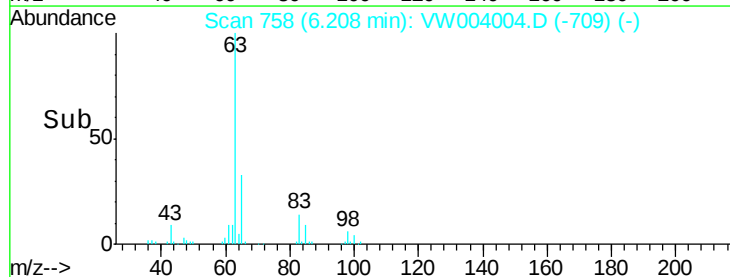
30000

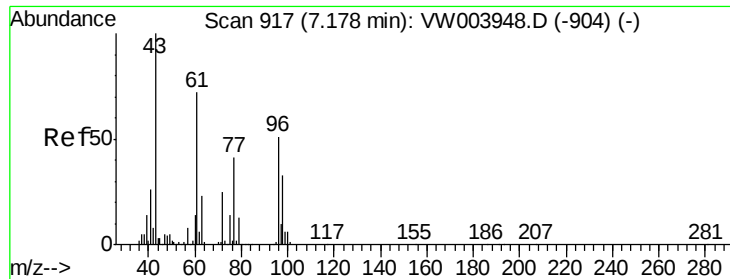
20000

10000

0

Time-->





#25

2-Butanone

Concen: 96.85 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 43 Resp: 77341

Ion Ratio Lower Upper

43 100

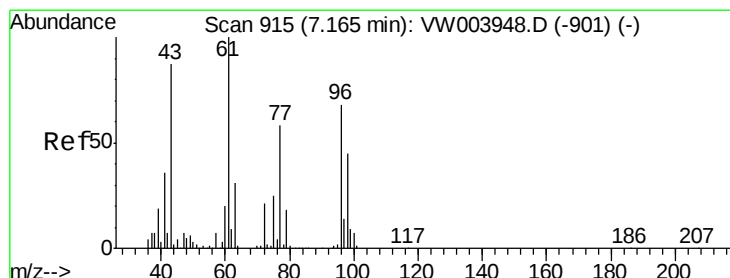
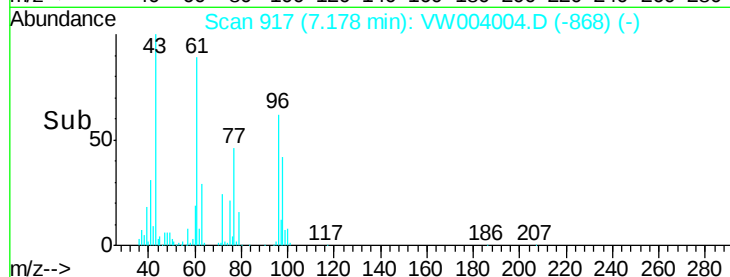
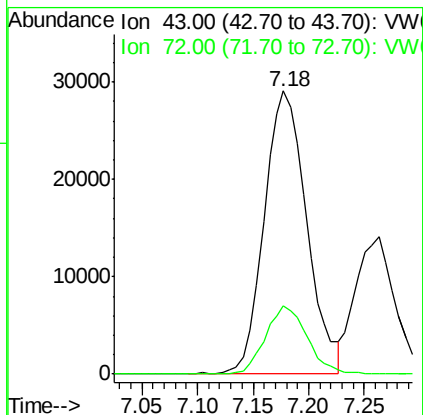
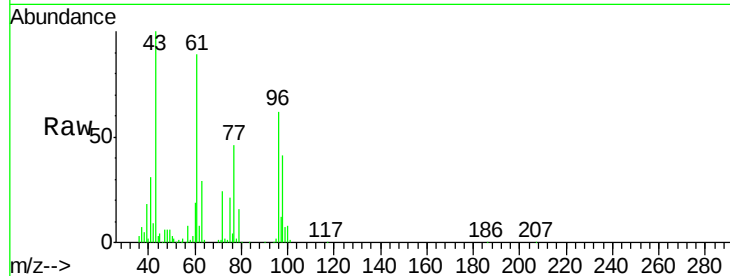
72 24.0 19.8 29.6

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#26

2,2-Dichloropropane

Concen: 19.19 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004004.D

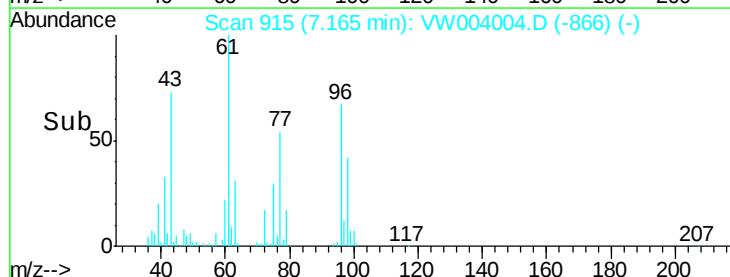
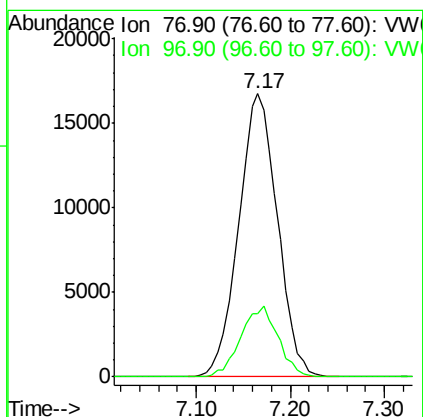
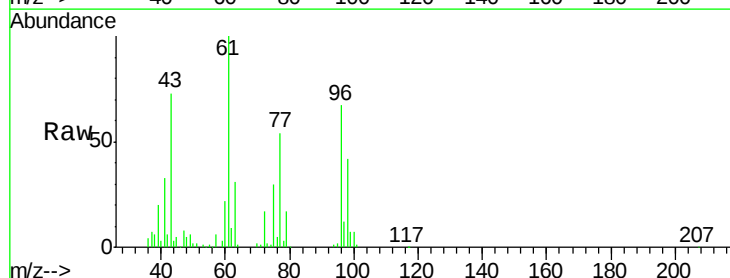
Acq: 18 Jul 2018 01:43

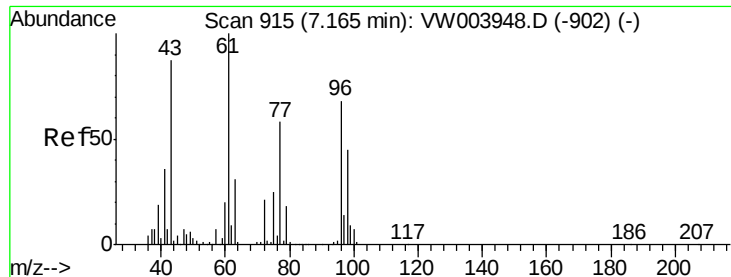
Tgt Ion: 77 Resp: 48144

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





#27

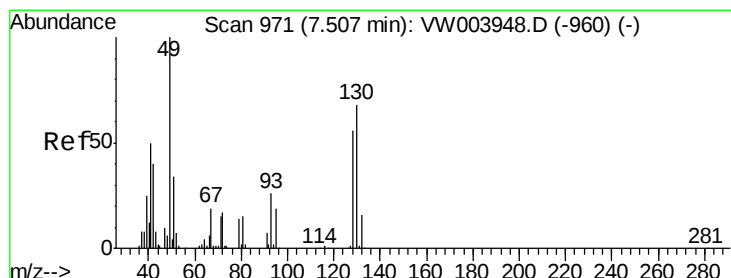
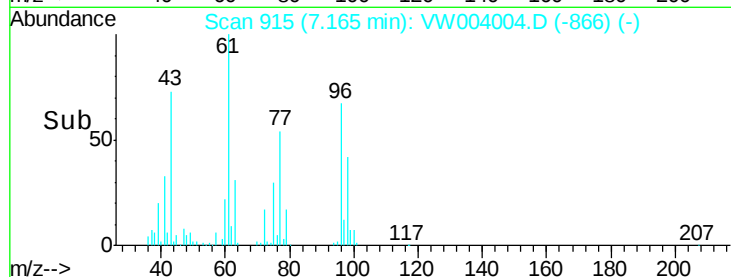
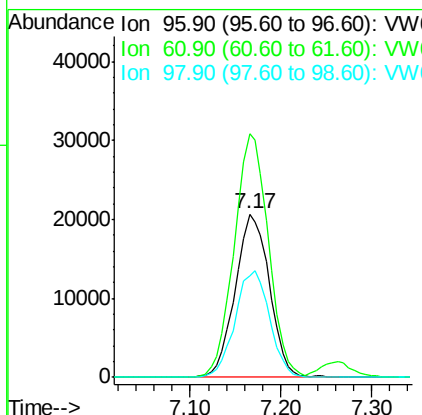
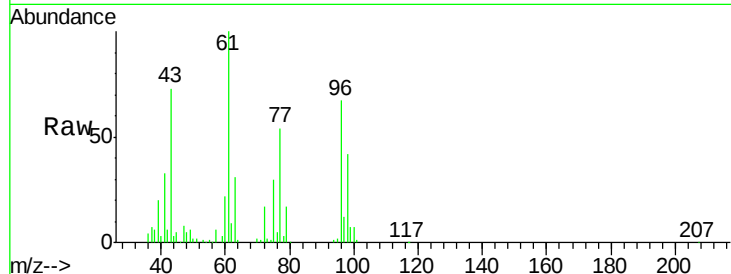
cis-1,2-Dichloroethene
 Concen: 21.28 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	298.6
98	65.8	0.0	130.4

Manual Integrations
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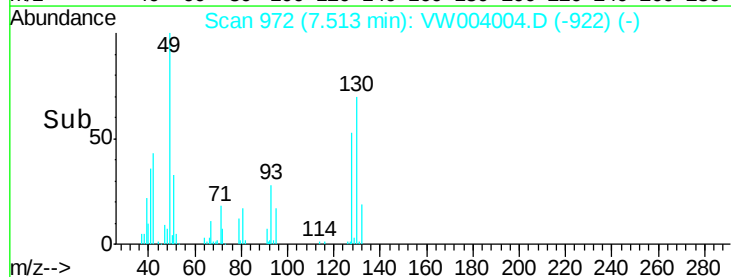
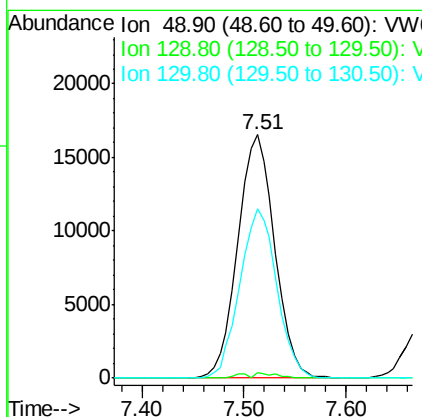
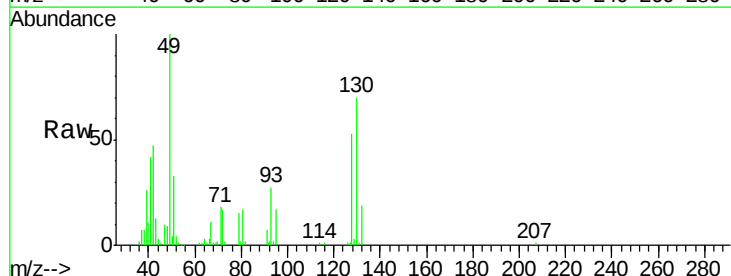
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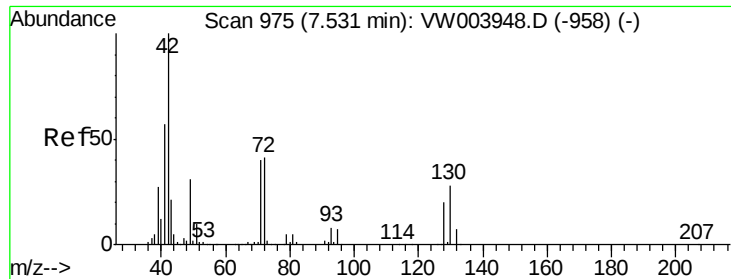


#28

Bromochloromethane
 Concen: 23.26 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.2
130	69.6	58.3	87.5





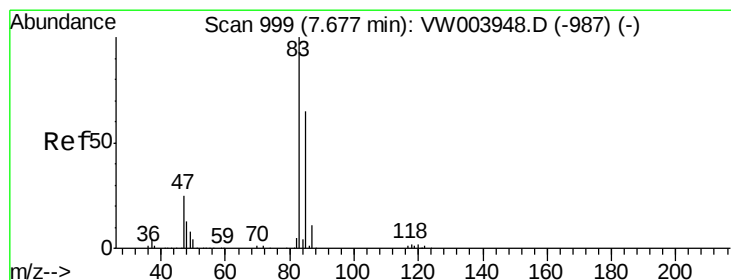
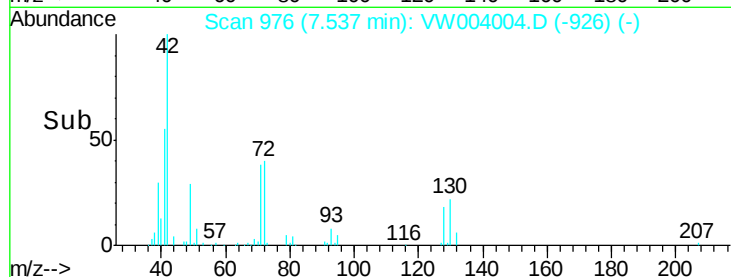
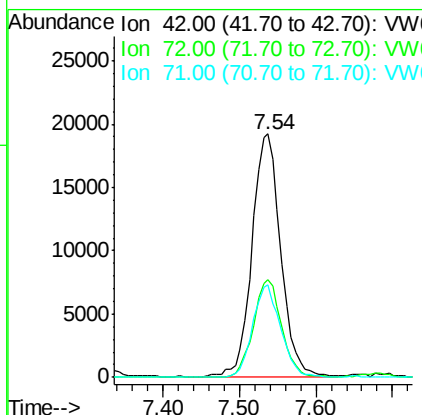
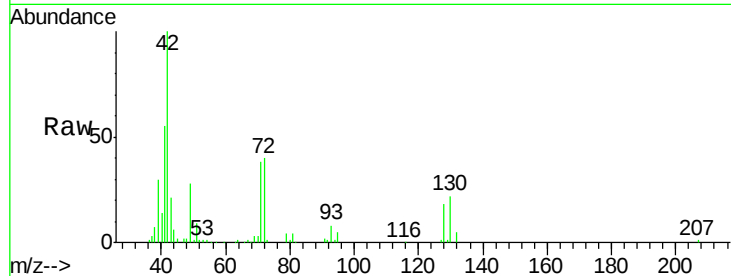
#29
Tetrahydrofuran
Concen: 101.99 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.6	48.8
71	36.8	30.5	45.7

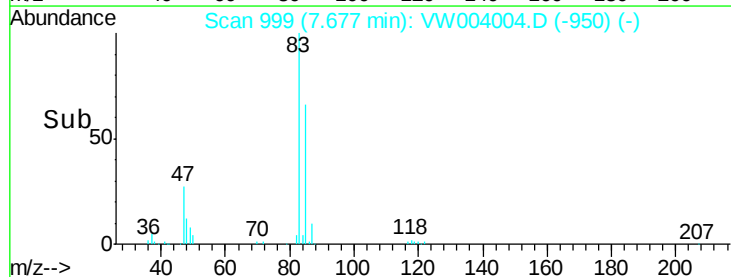
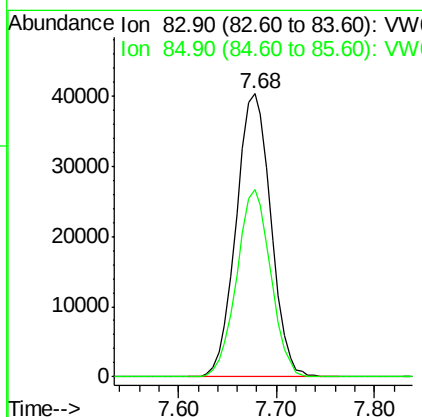
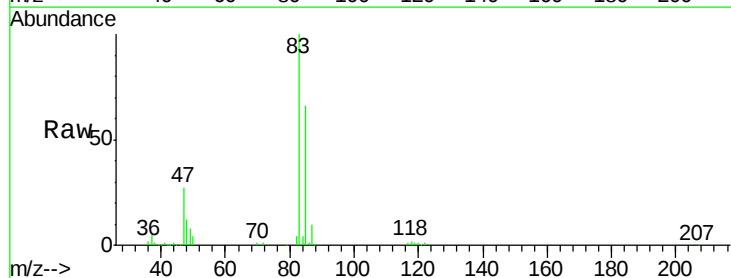
Manual Integrations
APPROVED

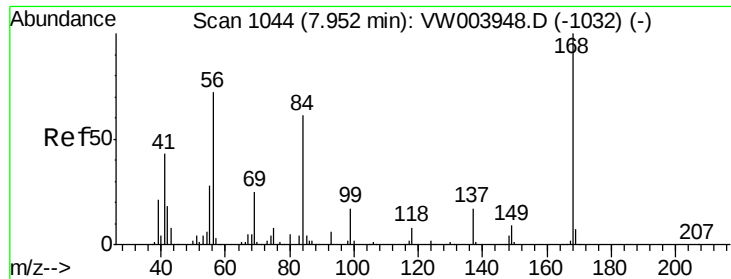
apatel
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#30
Chloroform
Concen: 22.82 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4





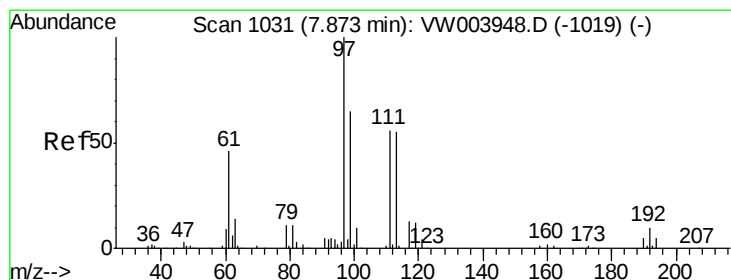
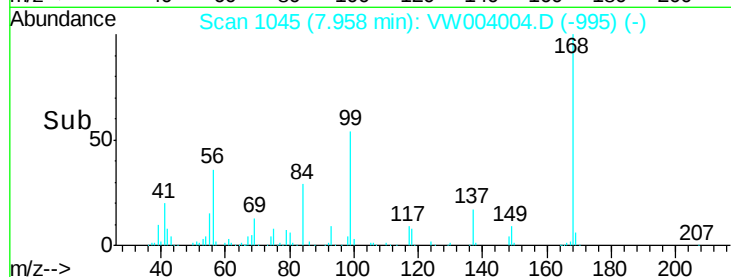
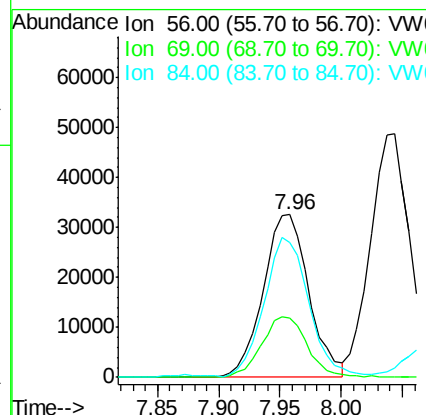
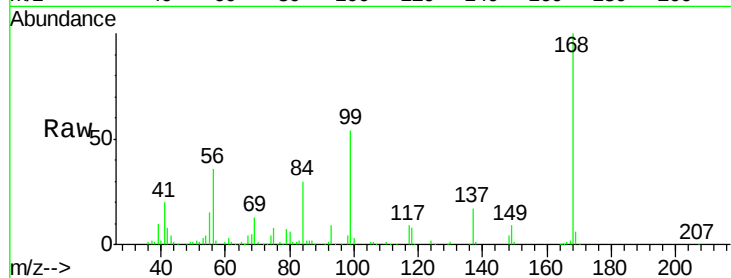
#31
Cyclohexane
Concen: 20.70 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	27.8	41.8
84	81.2	67.2	100.8

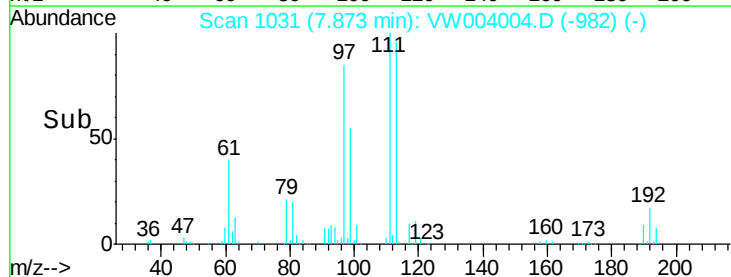
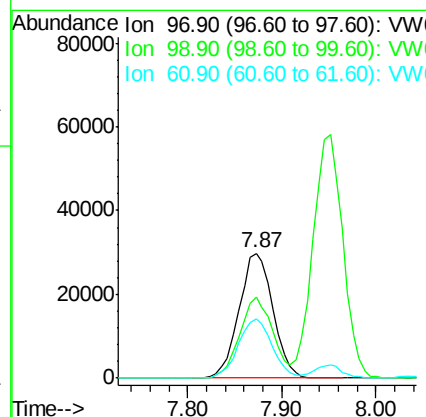
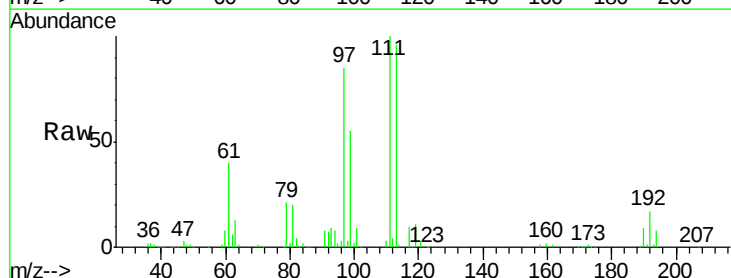
Manual Integrations
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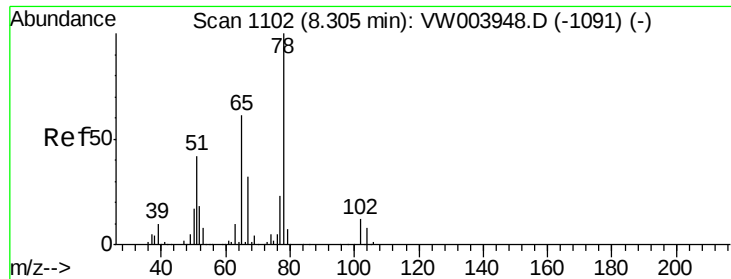
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#32
1,1,1-Trichloroethane
Concen: 22.06 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	47.3	36.8	55.2





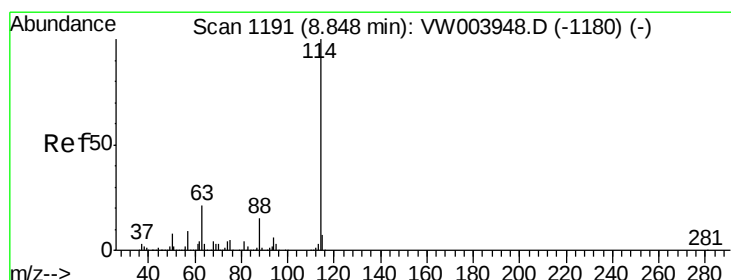
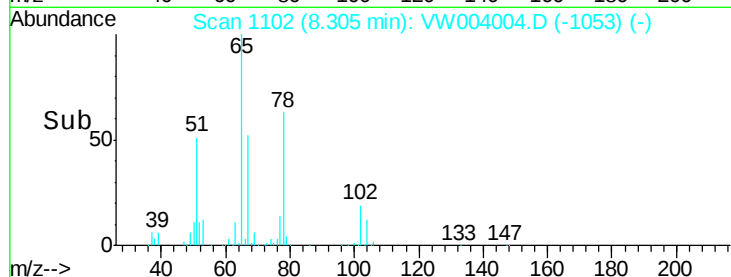
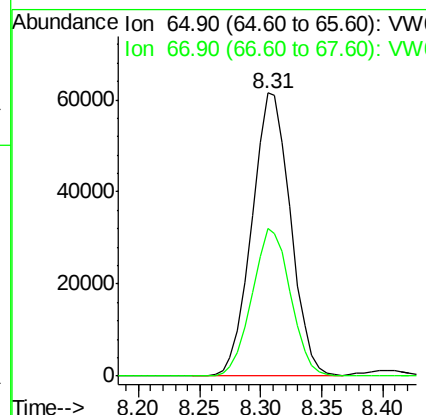
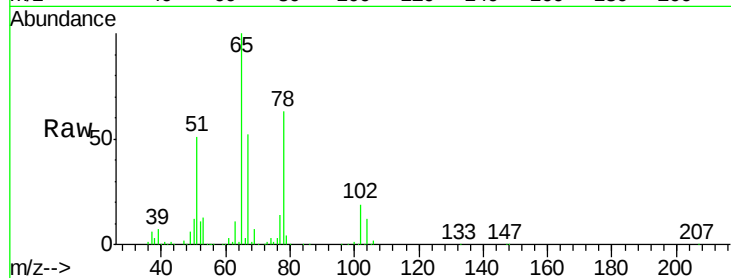
#33
 1,2-Dichloroethane-d4
 Concen: 54.72 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135133		
67	52.1	0.0	105.0	

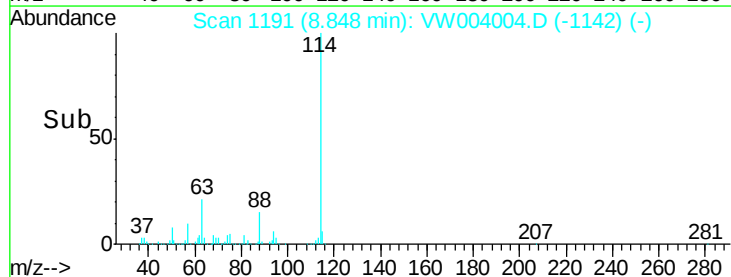
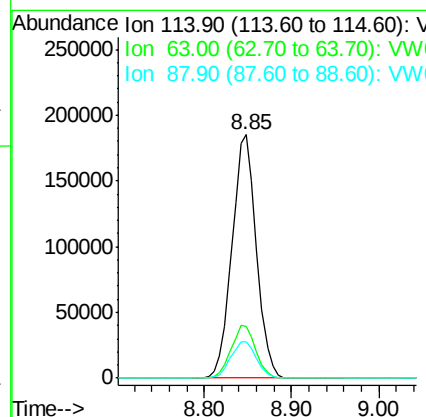
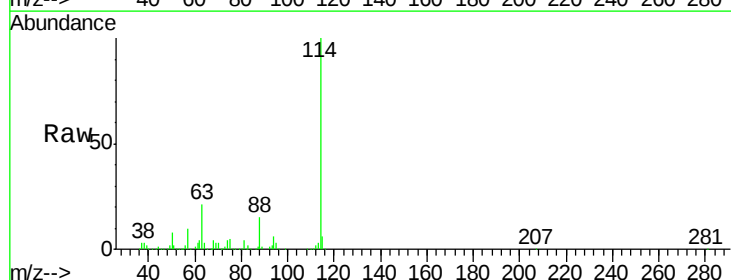
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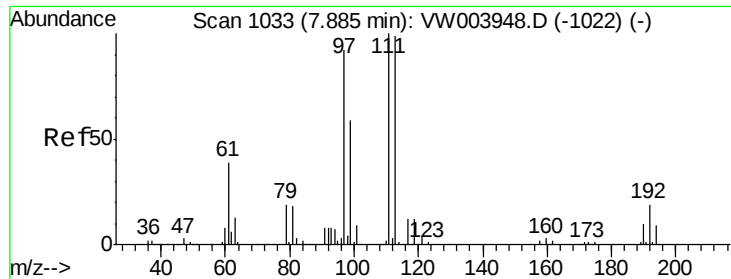
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358349		
63	21.1	0.0	42.8	
88	15.0	0.0	30.4	





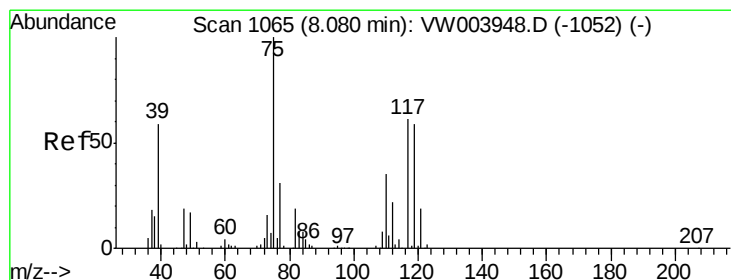
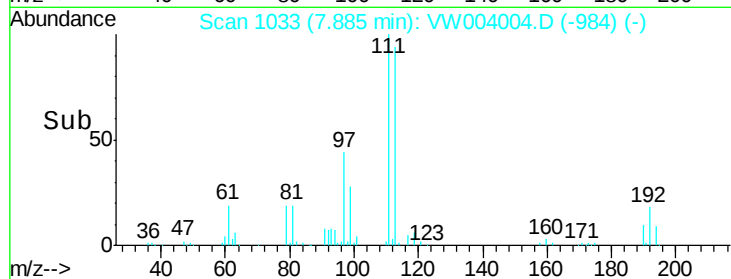
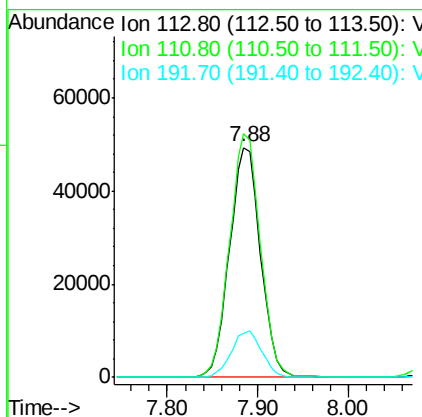
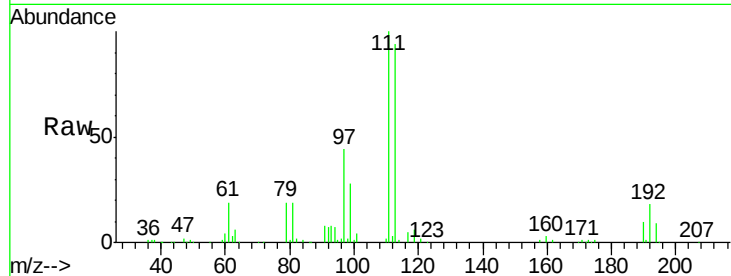
#35
 Dibromofluoromethane
 Concen: 50.84 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116897		
111	105.4	81.3	121.9	
192	20.0	15.8	23.6	

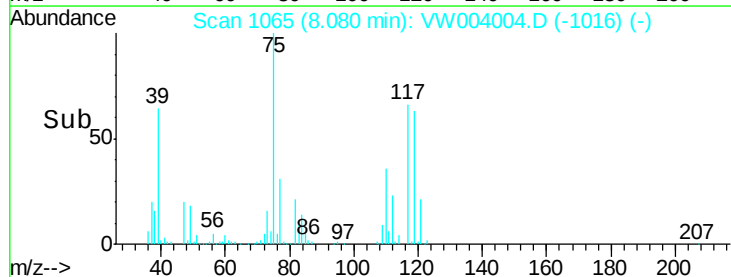
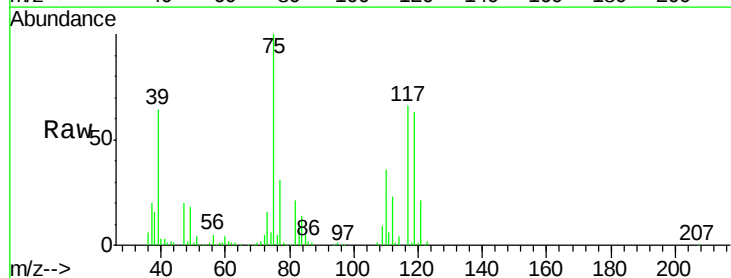
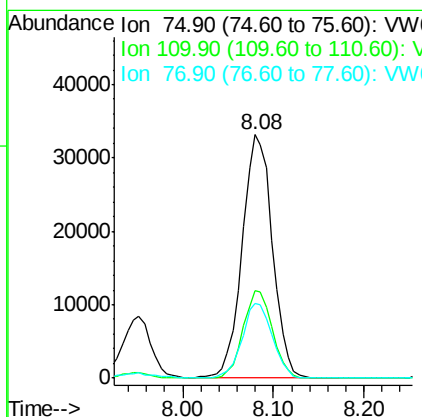
Manual Integrations
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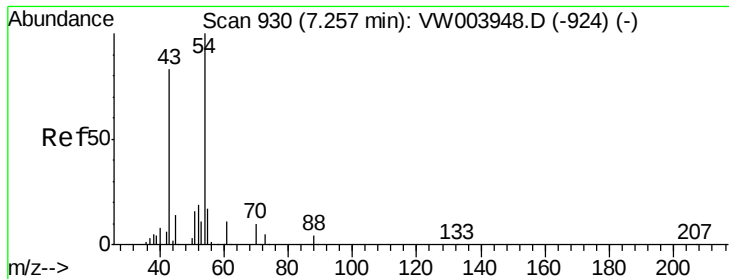
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#36
 1,1-Dichloropropene
 Concen: 20.77 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76569		
110	34.8	17.0	51.0	
77	30.8	24.9	37.3	





#37

Ethyl Acetate

Concen: 19.93 ug/l

RT: 7.26 min Scan# 931

Delta R.T. 0.01 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

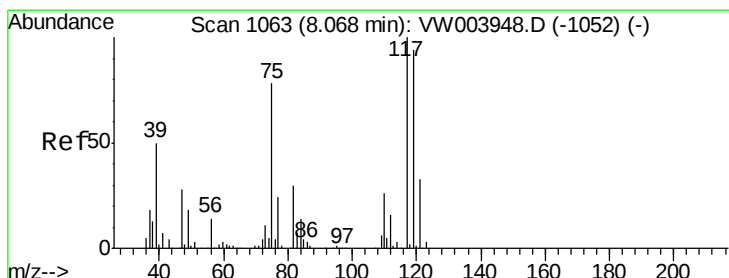
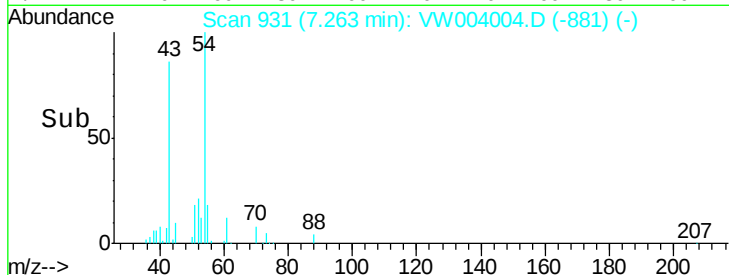
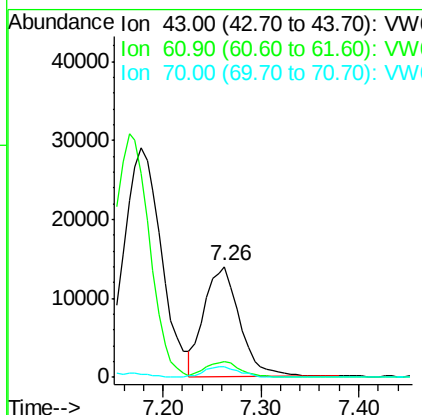
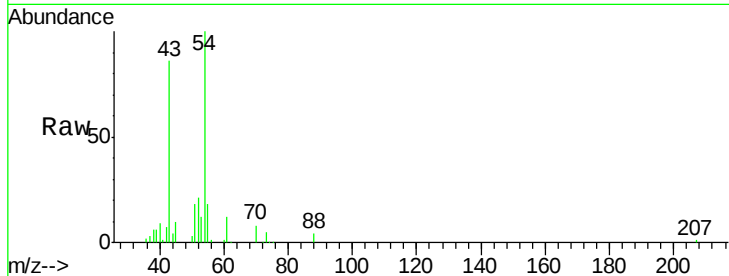
ClientSampleId :

VW0717SBS02

Tot Ion:	43	Resp:	35441
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	9.7	7.7	11.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.33 ug/l

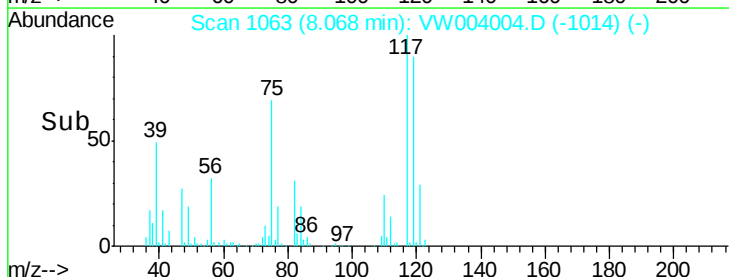
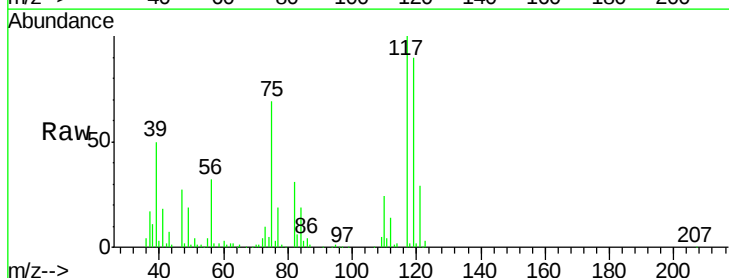
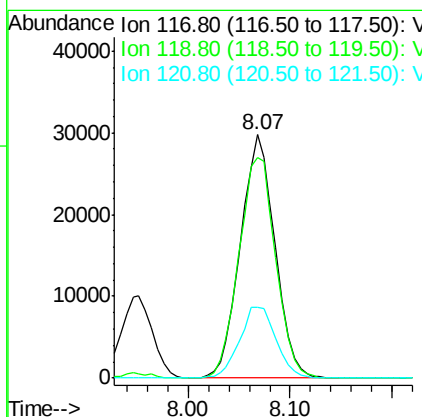
RT: 8.07 min Scan# 1063

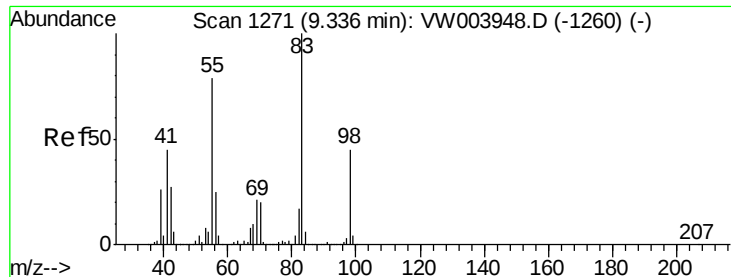
Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion:	117	Resp:	70035
Ion	Ratio	Lower	Upper
117	100		
119	90.5	75.3	112.9
121	29.1	26.0	39.0





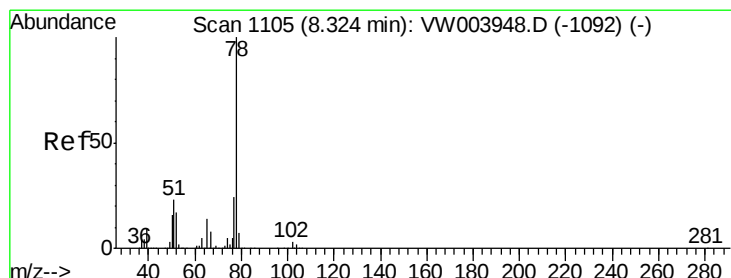
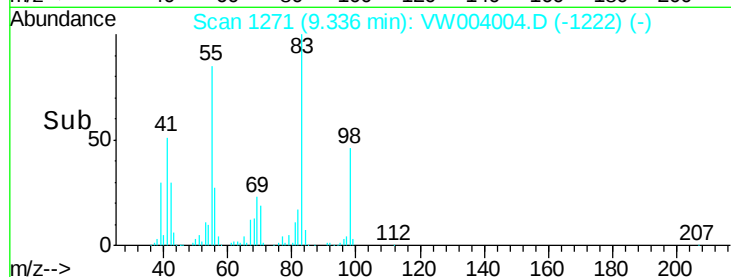
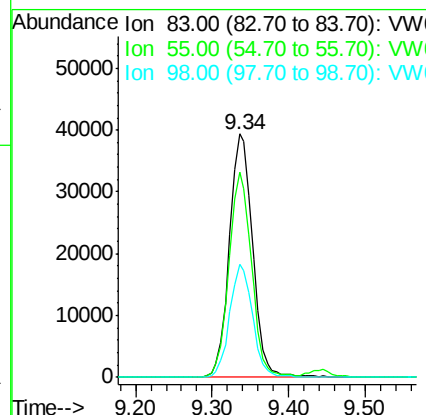
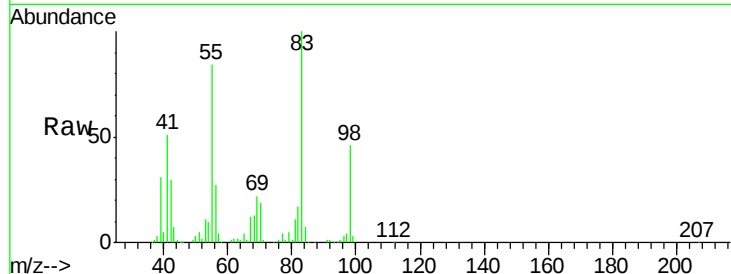
#39
Methvlcvclohexane
Concen: 19.19 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.2	62.8	94.2	
98	46.2	36.2	54.4	

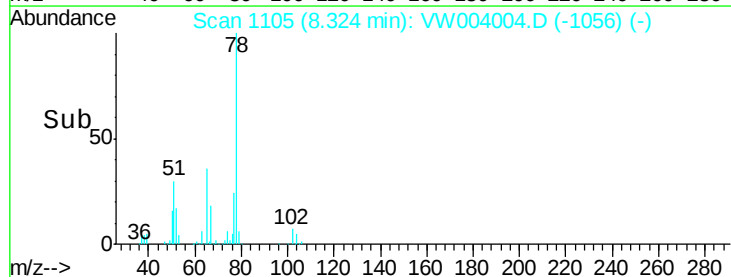
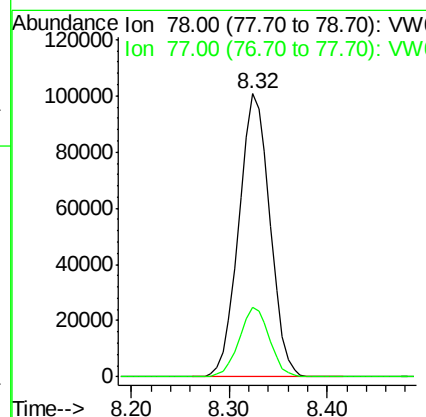
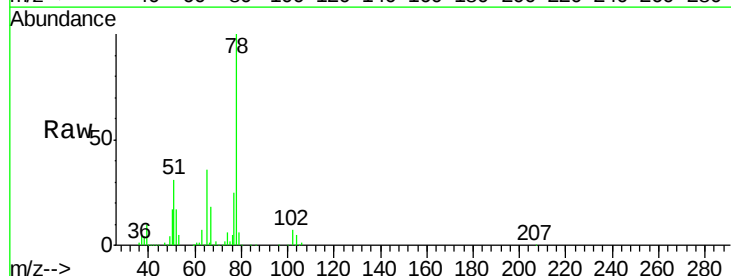
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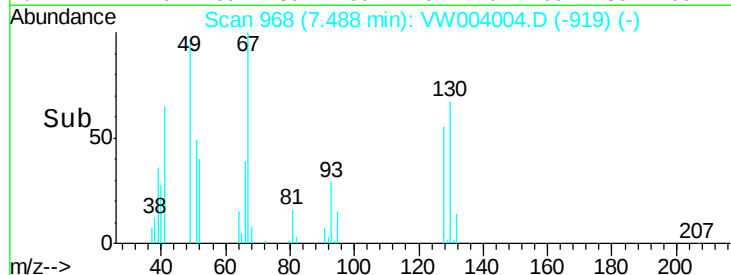
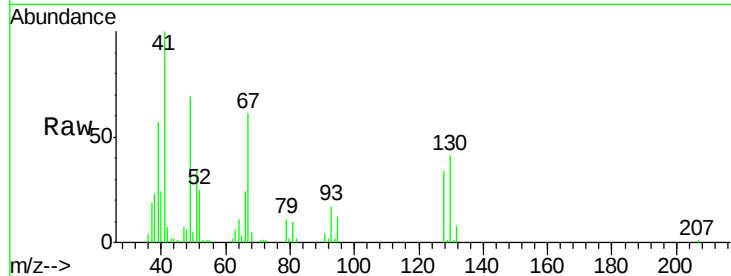
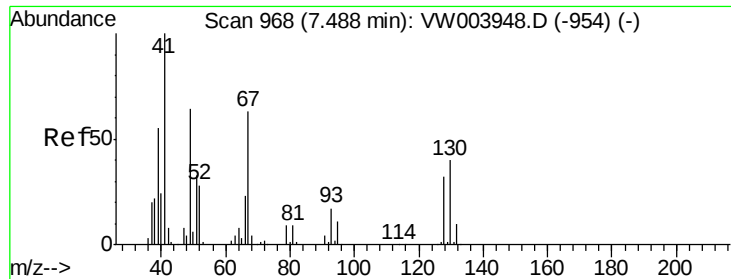
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#40
Benzene
Concen: 21.71 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	19.5	29.3	





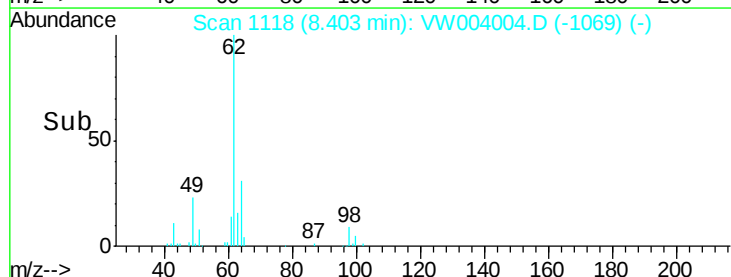
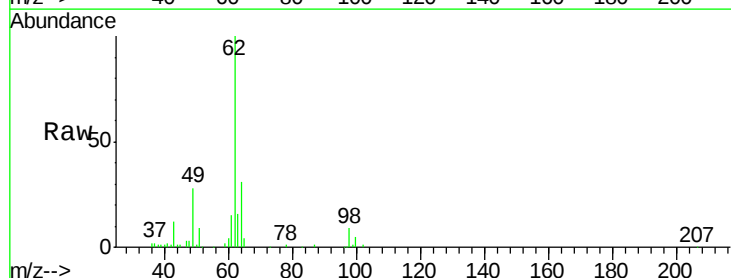
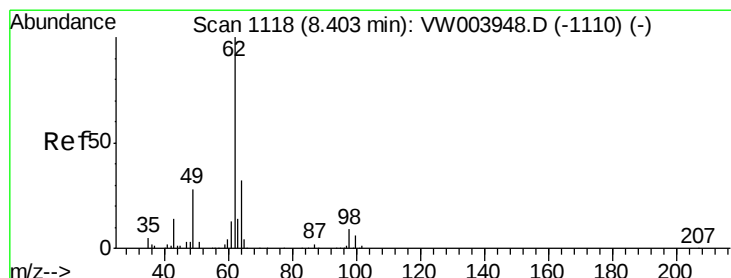
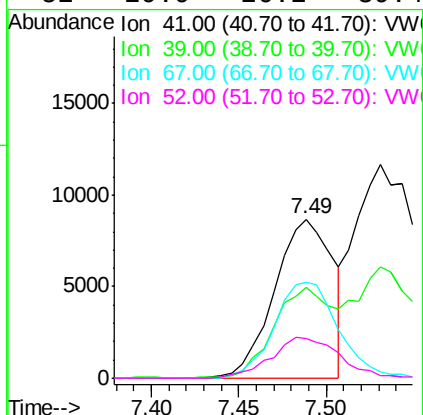
#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tot Ion	41	Resp	20281
Ion Ratio	Lower	Upper	
41	100		
39	58.0	50.0	75.0
67	66.4	60.8	91.2
52	29.9	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

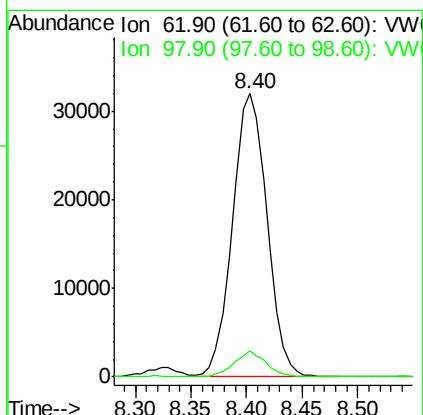
Manual Integrations
APPROVED

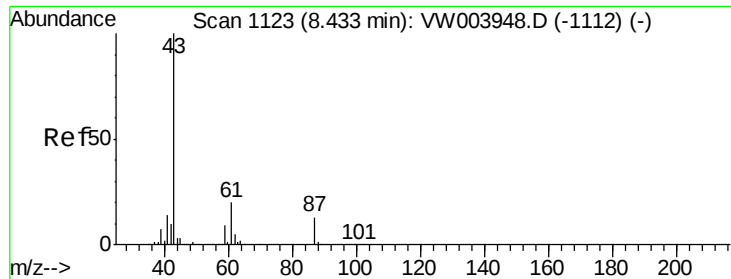
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7/18/2018 12:30:35 PM



#42
1,2-Dichloroethane
Concen: 22.04 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	62	Resp	68778
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.4





#43

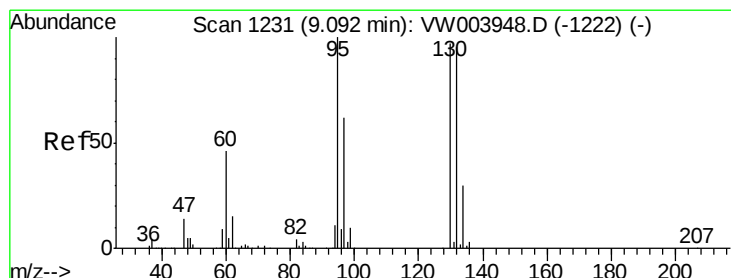
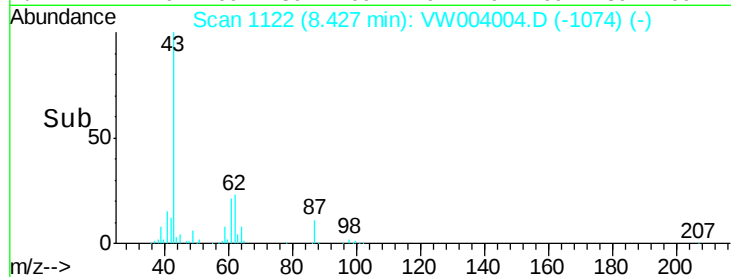
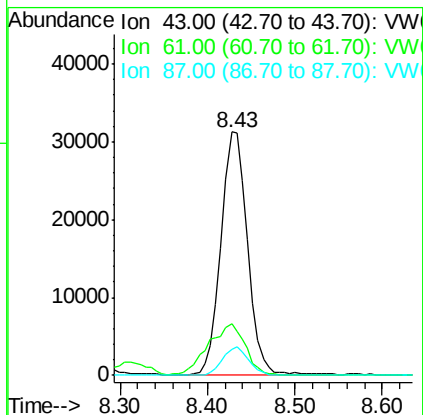
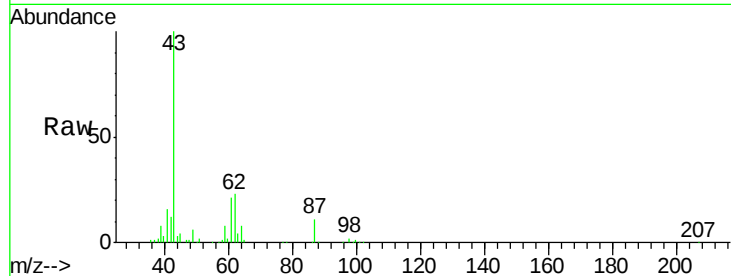
Isopropyl Acetate
 Concen: 19.95 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.0	34.6
87	11.5	9.9	14.9

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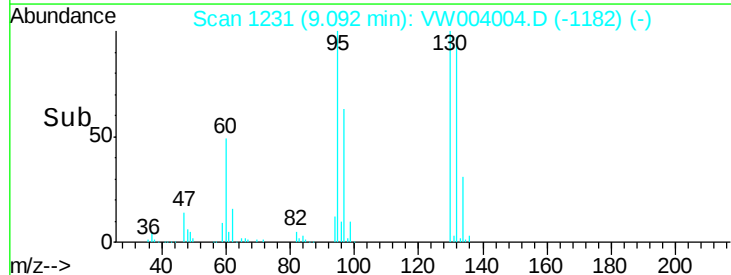
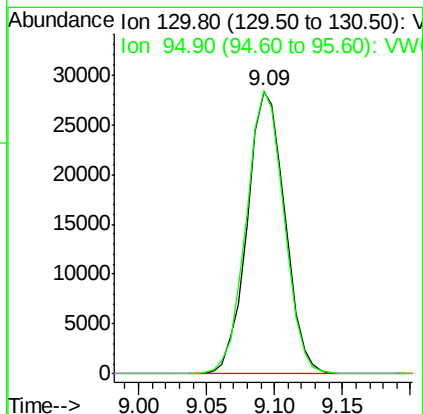
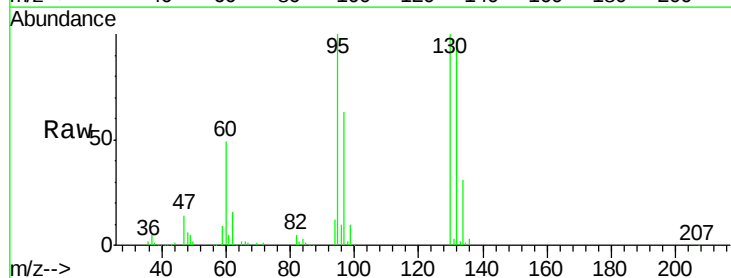
apatel
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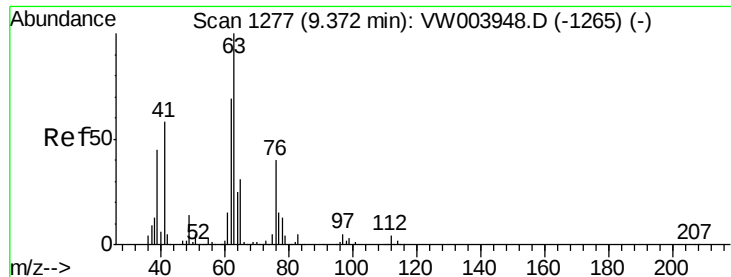


#44

Trichloroethene
 Concen: 20.78 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	206.8





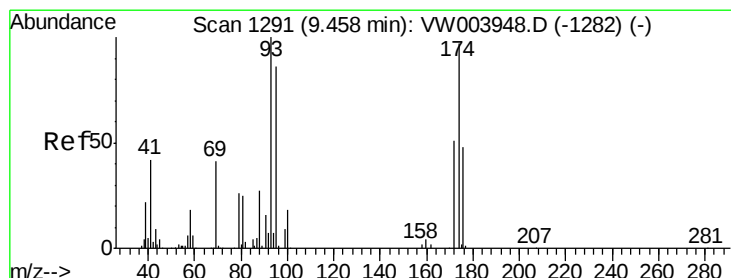
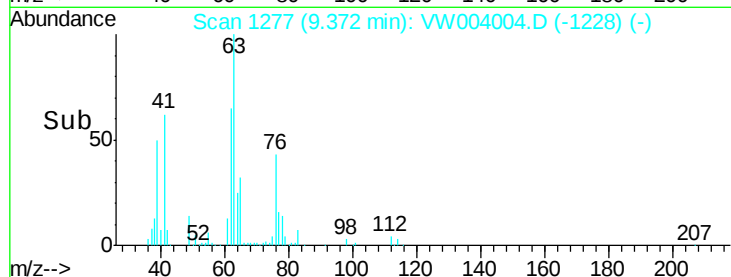
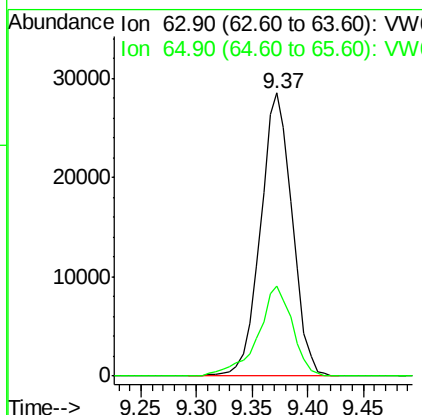
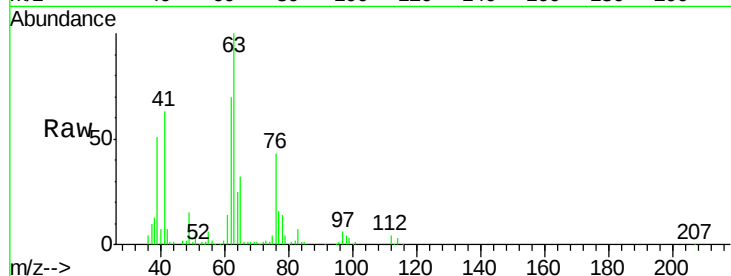
#45
 1,2-Dichloropropane
 Concen: 21.75 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.8	37.2

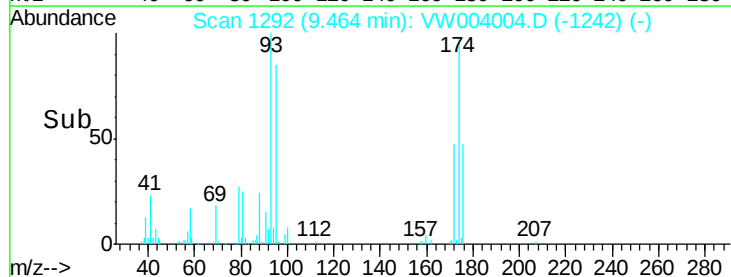
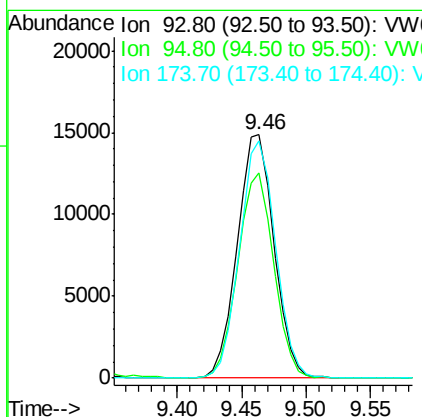
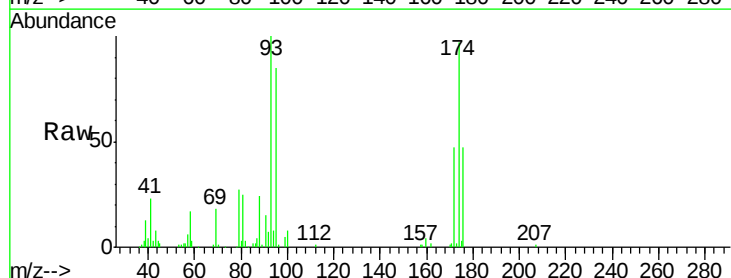
Manual Integrations
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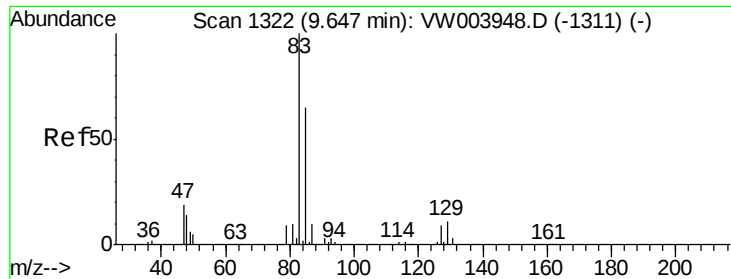
apatel
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#46
 Dibromomethane
 Concen: 21.71 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.9	100.3
174	95.2	80.2	120.2





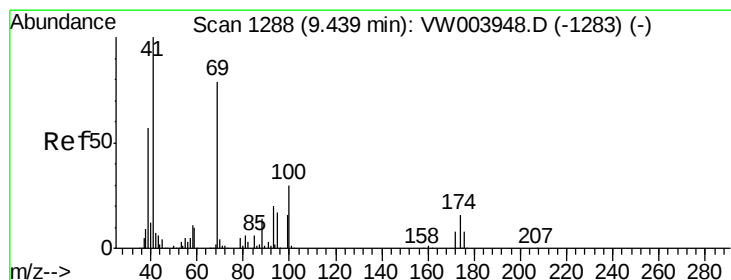
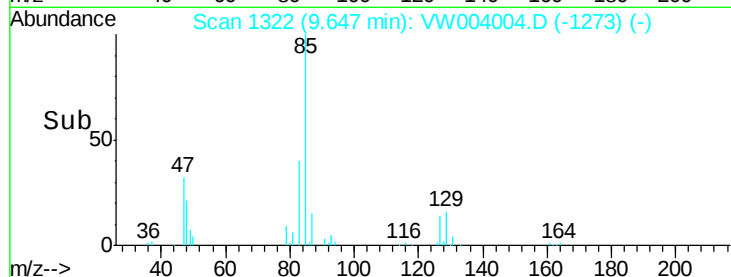
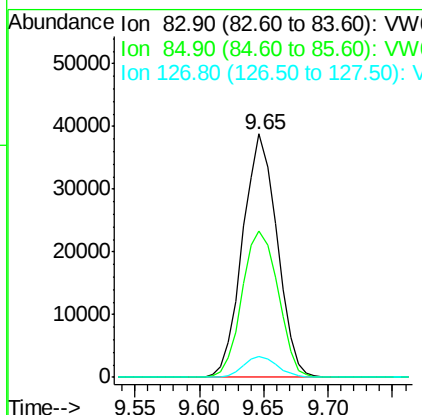
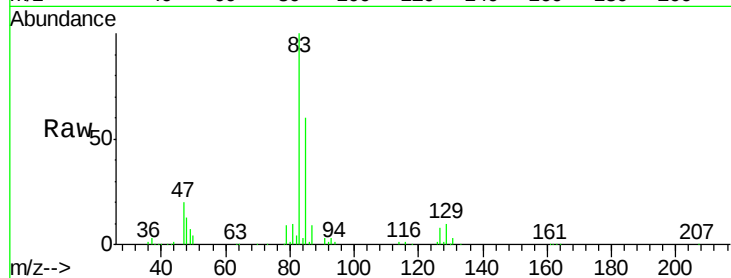
#47
Bromodichloromethane
Concen: 21.53 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.2	78.2
127	8.4	7.0	10.4

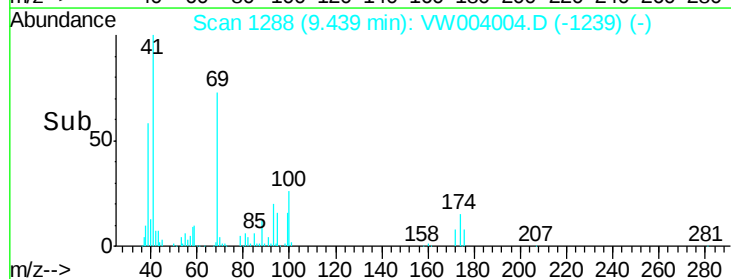
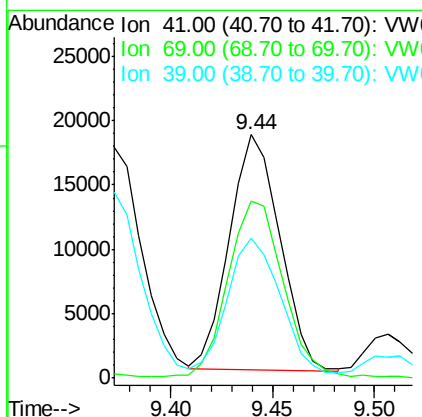
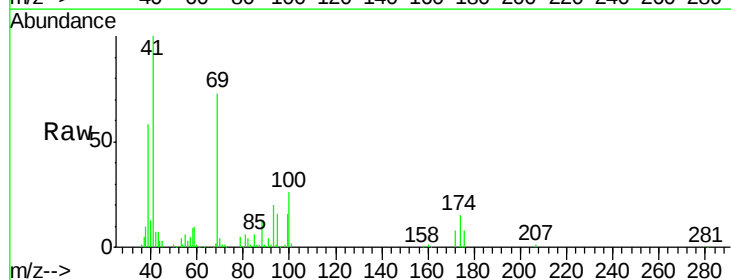
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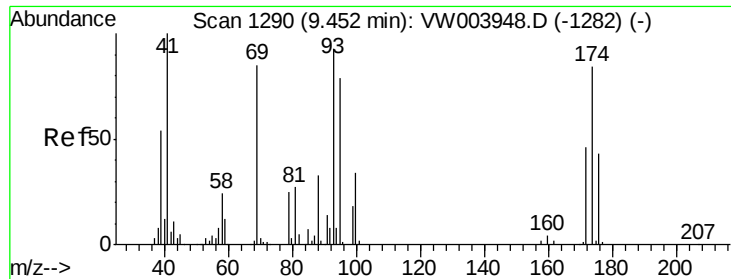
apatel
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#48
Methyl methacrylate
Concen: 19.56 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.0	100.6
39	63.6	48.8	73.2





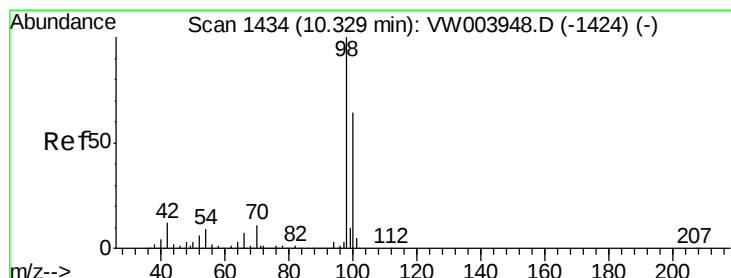
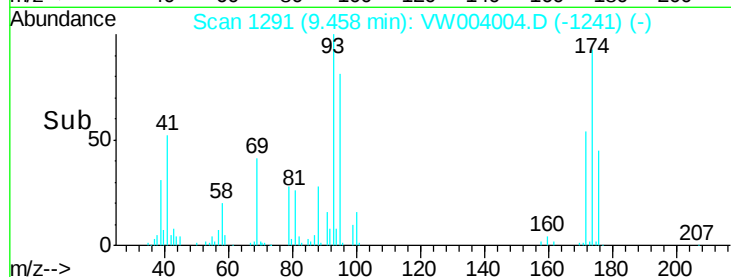
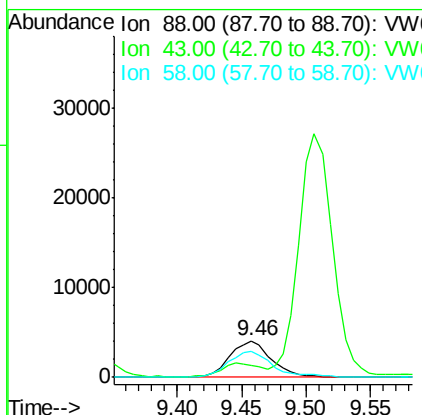
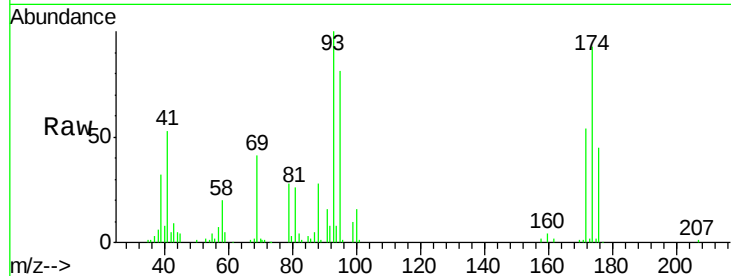
#49
1,4-Dioxane
Concen: 435.22 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

Tot Ion	88	Resp	9063
Ion Ratio	Lower	Upper	
88	100		
43	33.5	27.3	40.9
58	77.5	61.1	91.7

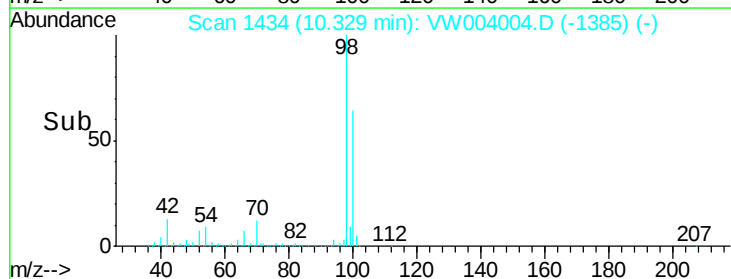
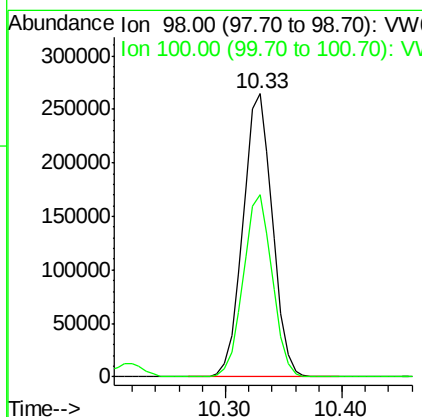
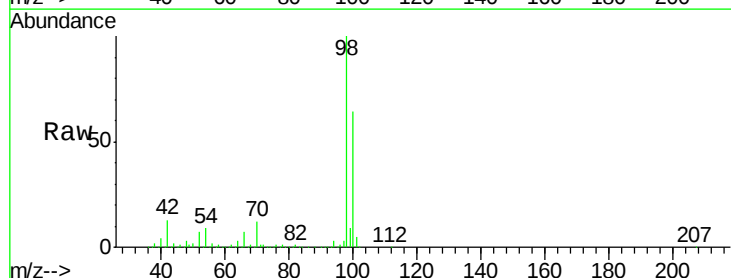
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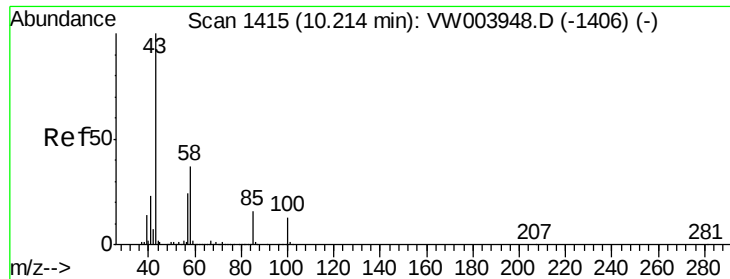
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#50
Toluene-d8
Concen: 52.14 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	98	Resp	465202
Ion Ratio	Lower	Upper	
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.12 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampled :

VW0717SBS02

Tot Ion: 43 Resp: 175644

Ion Ratio Lower Upper

43 100

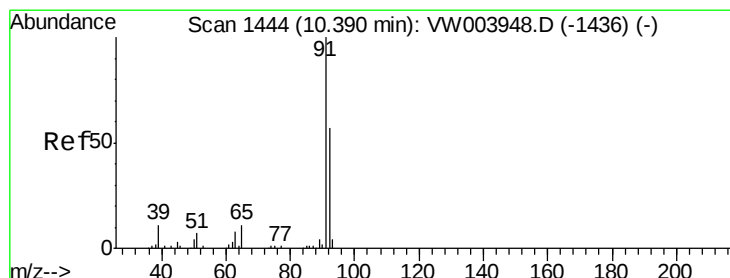
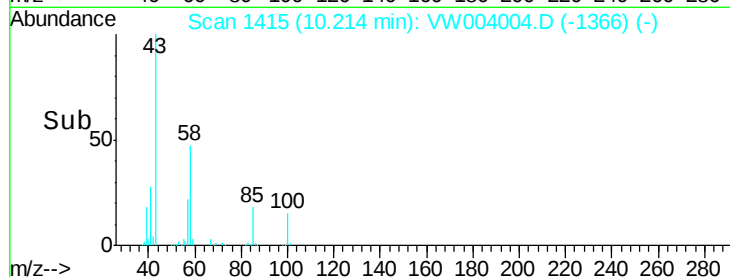
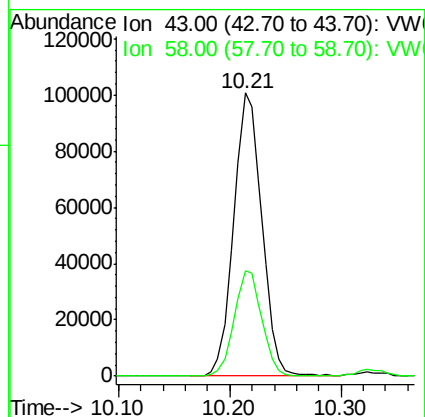
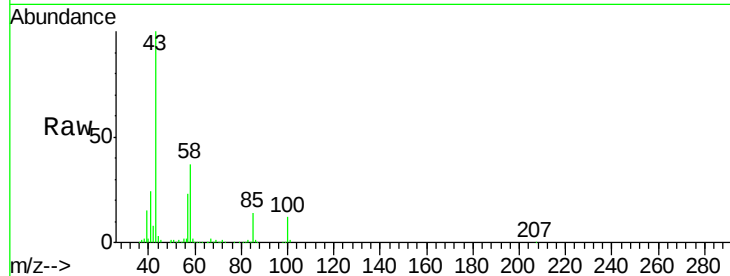
58 36.7 29.9 44.9

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#52

Toluene

Concen: 21.64 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004004.D

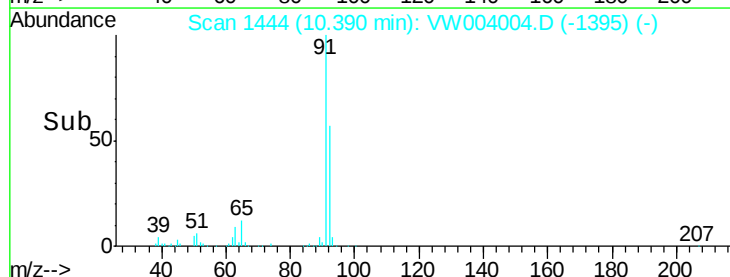
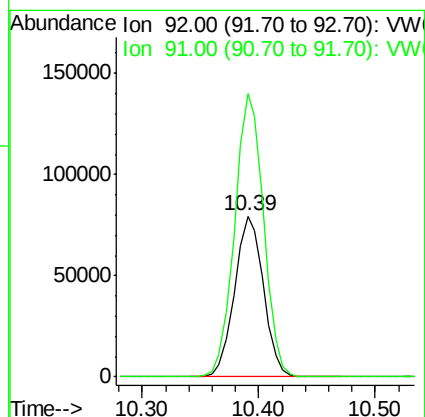
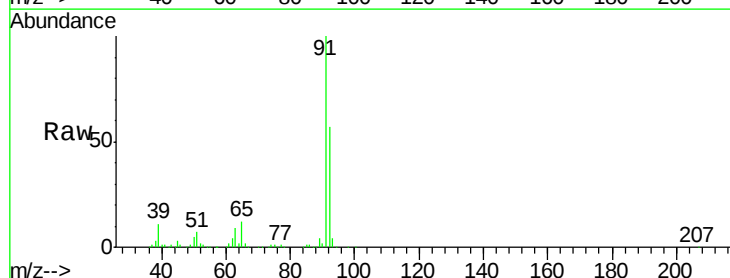
Acq: 18 Jul 2018 01:43

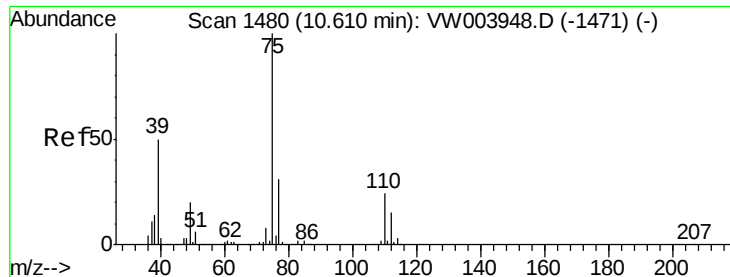
Tgt Ion: 92 Resp: 136872

Ion Ratio Lower Upper

92 100

91 176.4 139.6 209.4





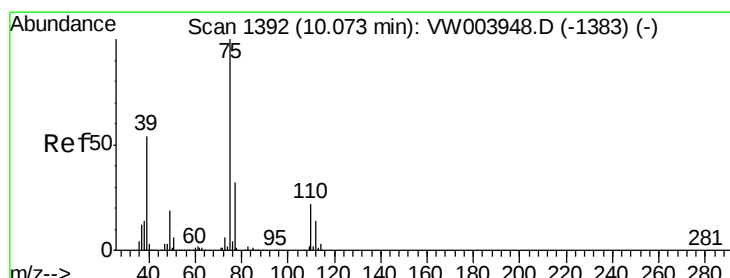
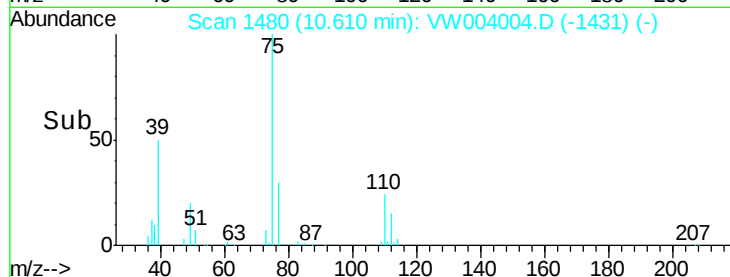
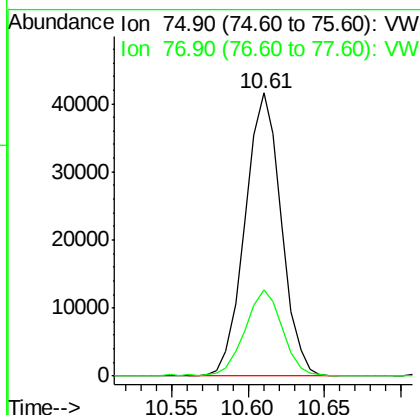
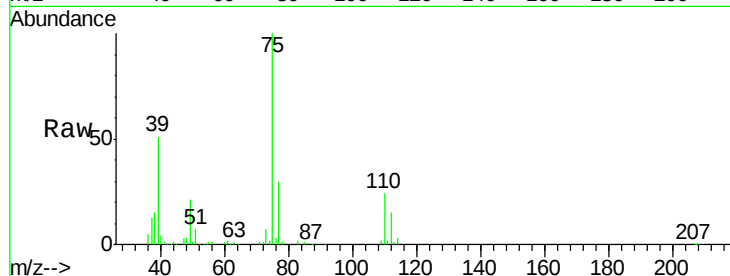
#53
 t-1,3-Dichloropropene
 Concen: 19.61 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion: 75 Resp: 68489
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.2 37.8

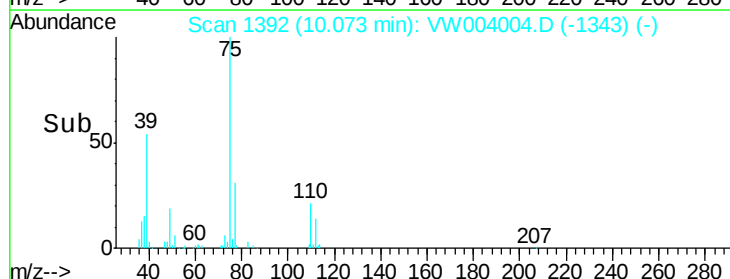
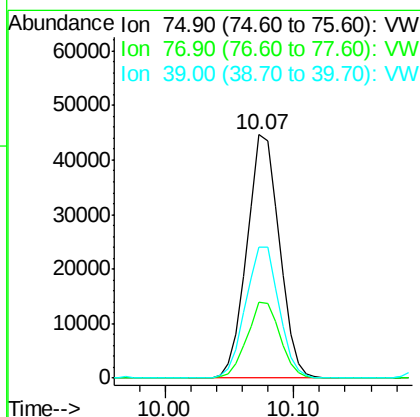
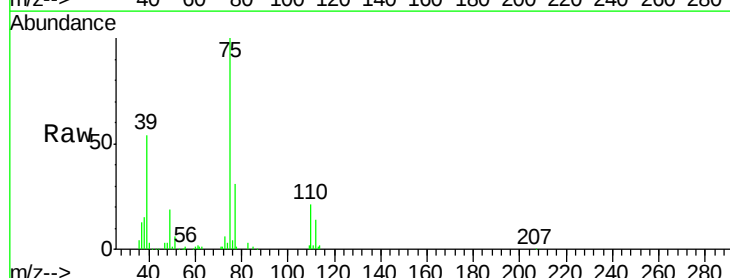
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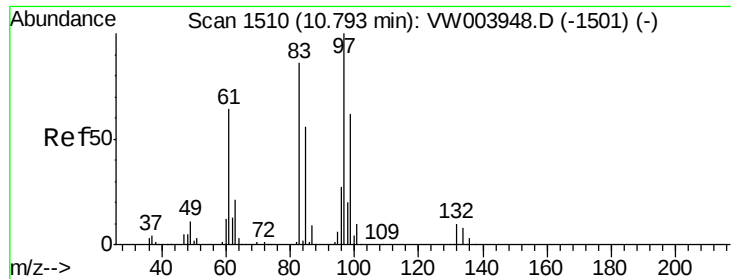
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#54
 cis-1,3-Dichloropropene
 Concen: 19.45 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion: 75 Resp: 77715
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2
 39 54.0 43.0 64.6





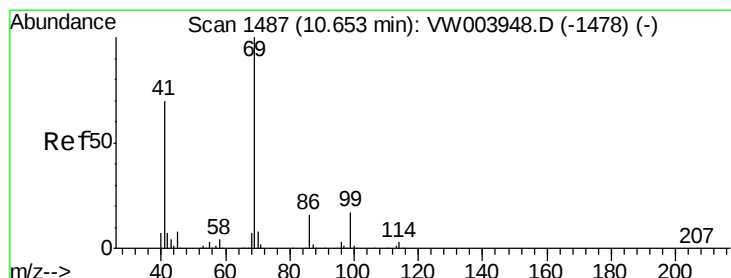
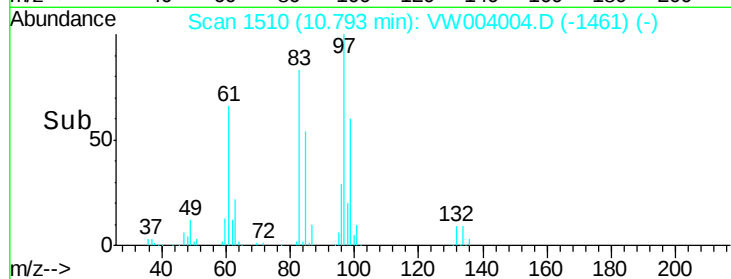
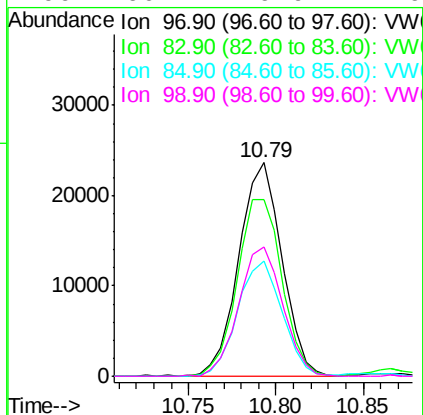
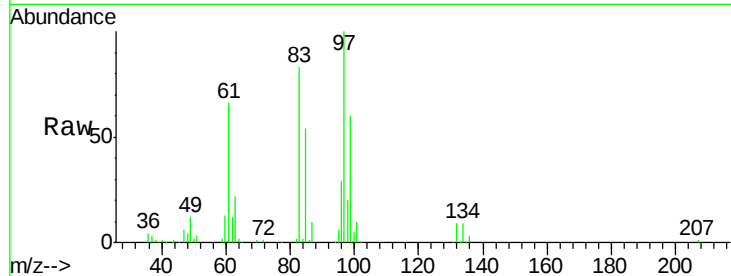
#55
 1,1,2-Trichloroethane
 Concen: 21.29 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

Tot Ion:	97	Resp:	40566
Ion	Ratio	Lower	Upper
97	100		
83	82.2	69.0	103.4
85	54.2	45.0	67.6
99	60.1	49.9	74.9

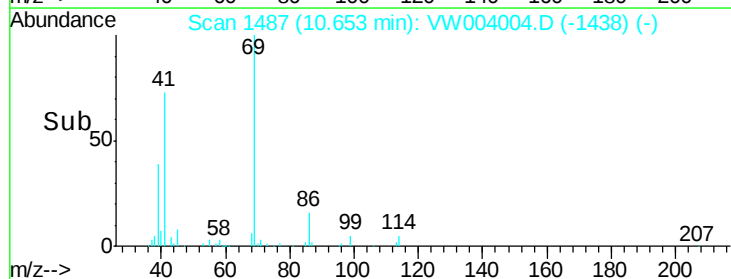
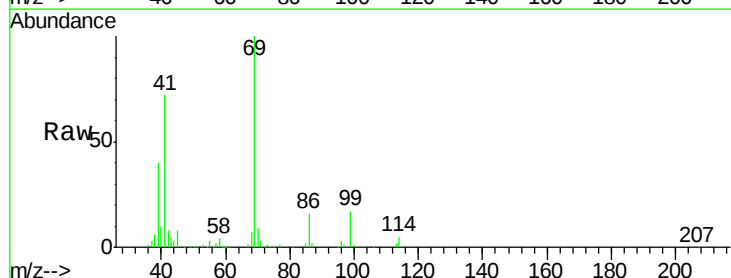
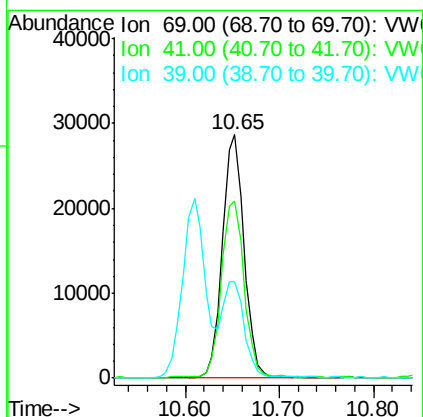
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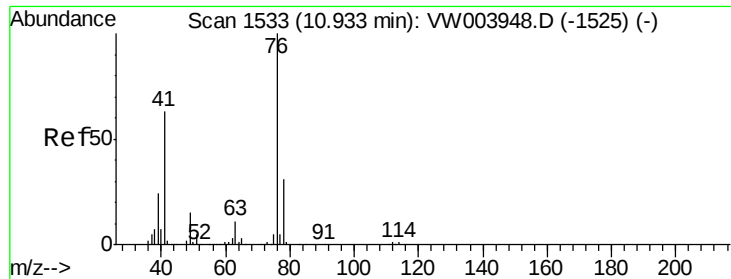
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#56
 Ethyl methacrylate
 Concen: 18.84 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion:	69	Resp:	46030
Ion	Ratio	Lower	Upper
69	100		
41	77.5	56.5	84.7
39	37.3	30.2	45.4





#57

1,3-Dichloropropane

Concen: 21.24 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBSD02

Tot Ion: 76 Resp: 70319

Ion Ratio Lower Upper

76 100

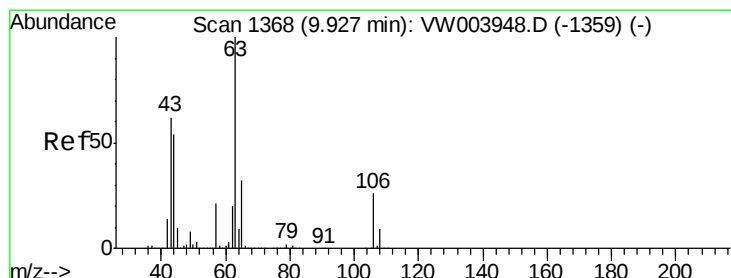
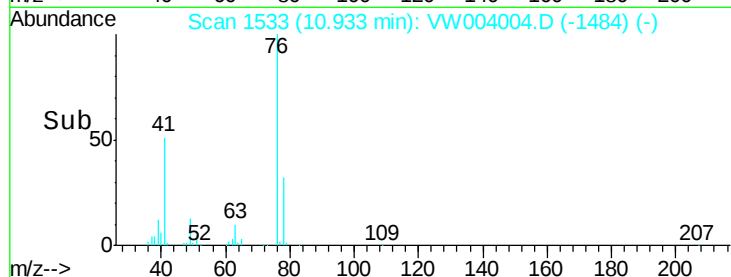
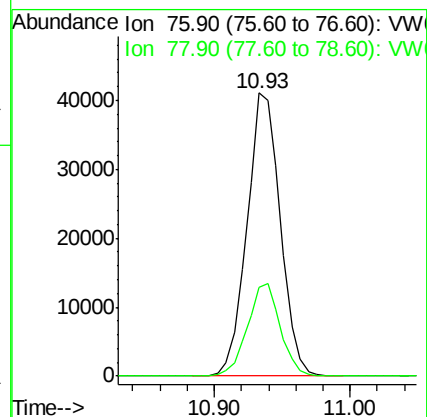
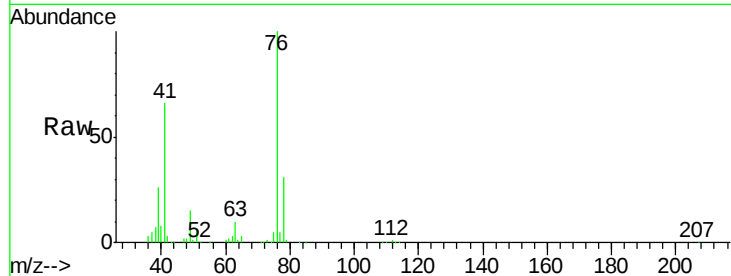
78 32.3 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.52 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004004.D

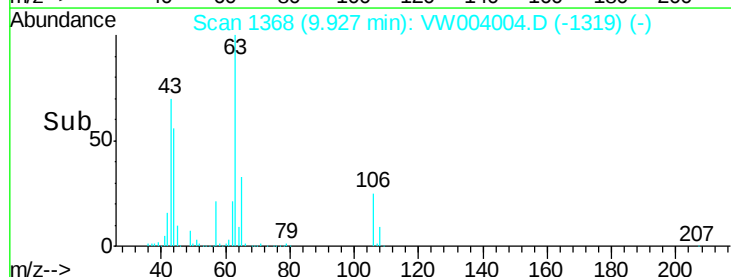
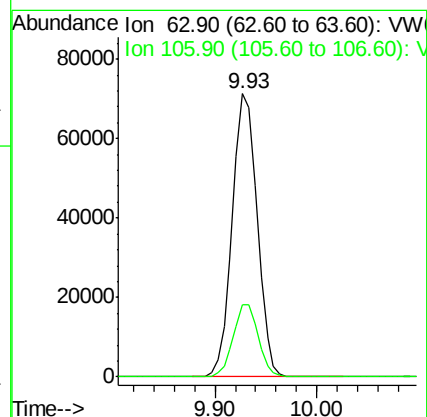
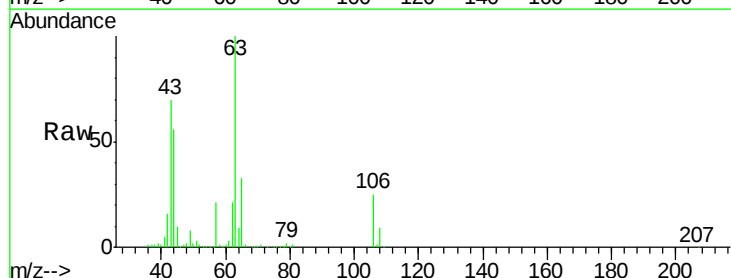
Acq: 18 Jul 2018 01:43

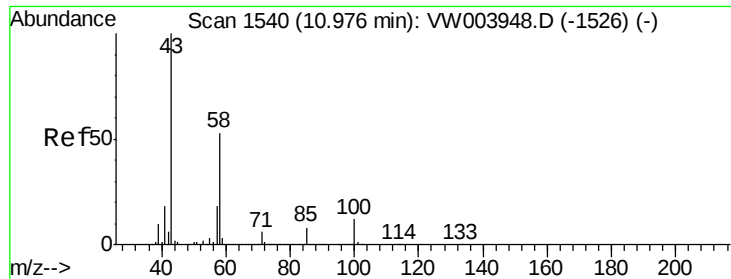
Tgt Ion: 63 Resp: 120404

Ion Ratio Lower Upper

63 100

106 25.6 21.2 31.8





#59

2-Hexanone

Concen: 94.29 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampled :

VW0717SBSD02

Tot Ion: 43 Resp: 117763

Ion Ratio Lower Upper

43 100

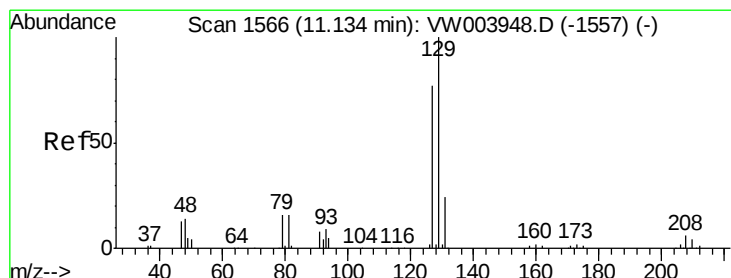
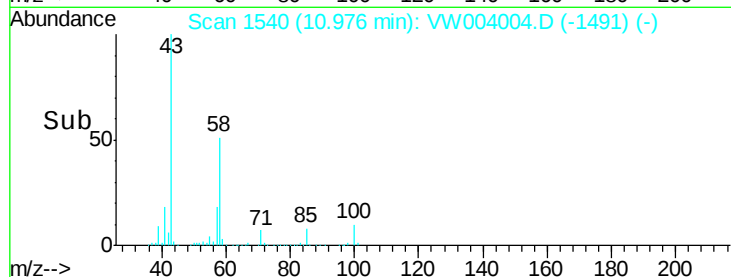
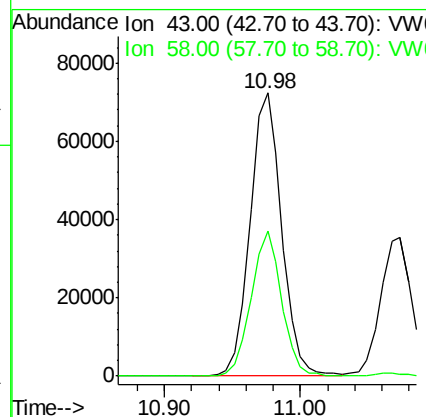
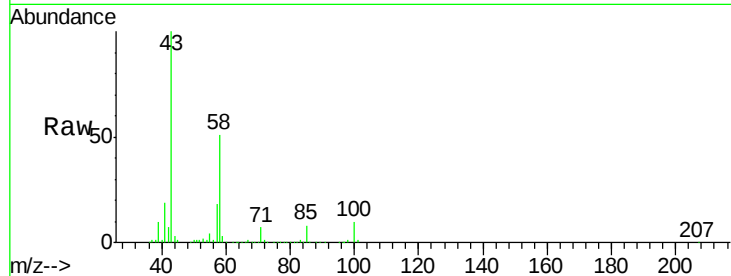
58 49.5 26.0 78.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.84 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW004004.D

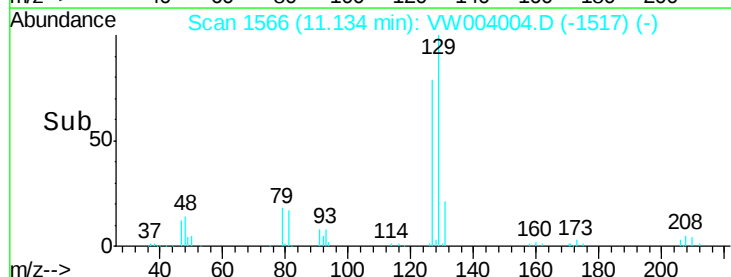
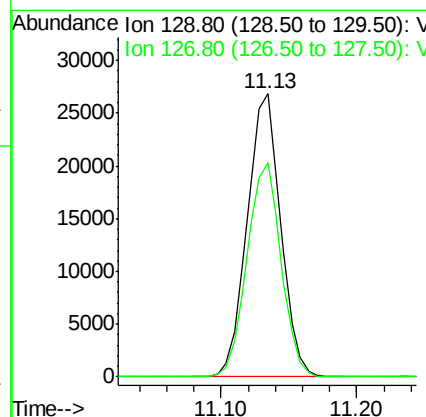
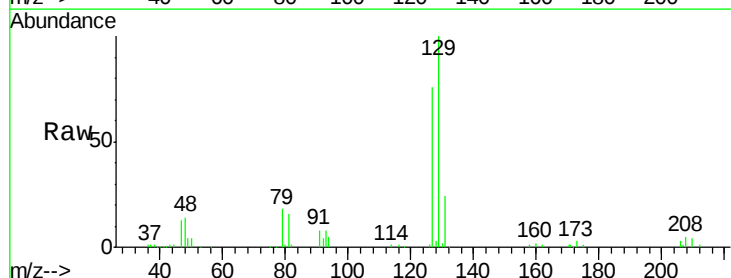
Acq: 18 Jul 2018 01:43

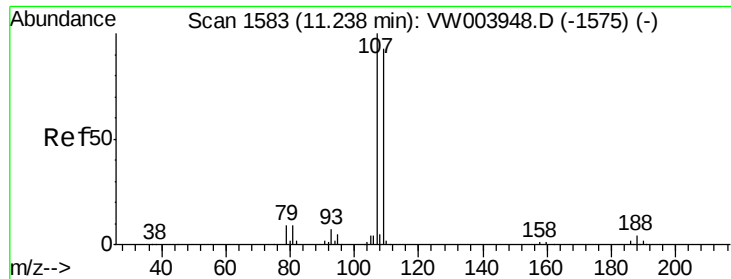
Tgt Ion: 129 Resp: 46246

Ion Ratio Lower Upper

129 100

127 76.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.67 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 107 Resp: 37475

Ion Ratio Lower Upper

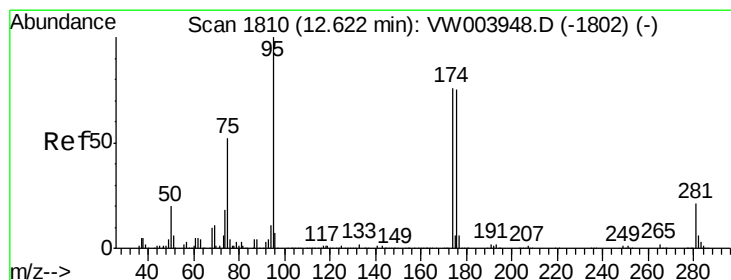
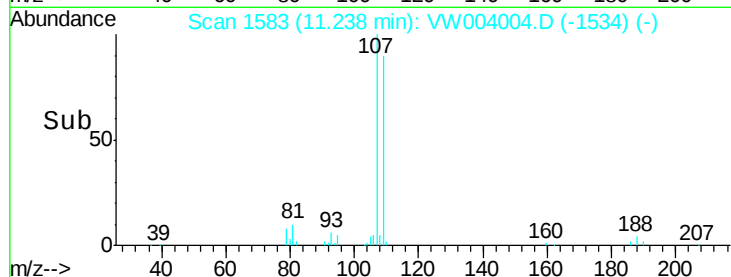
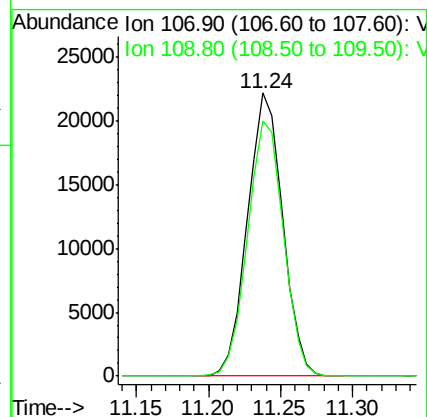
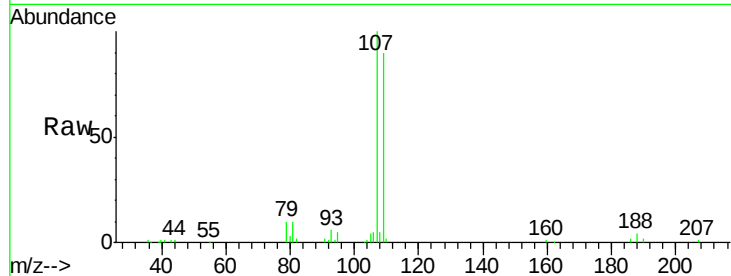
107 100

109 92.3 74.3 111.5

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#62

4-Bromofluorobenzene

Concen: 50.68 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

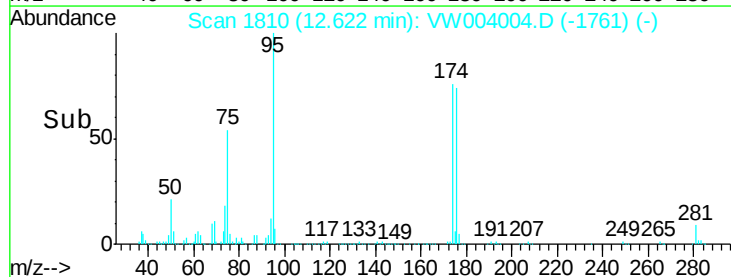
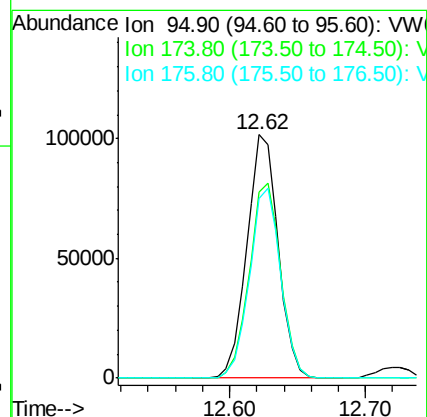
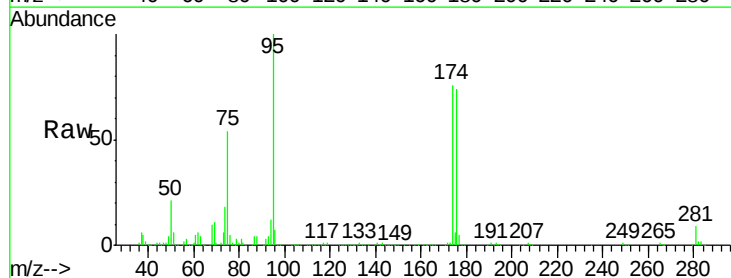
Tgt Ion: 95 Resp: 163053

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.2

176 77.9 0.0 155.8





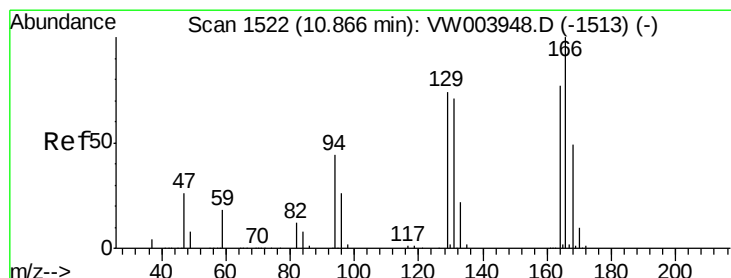
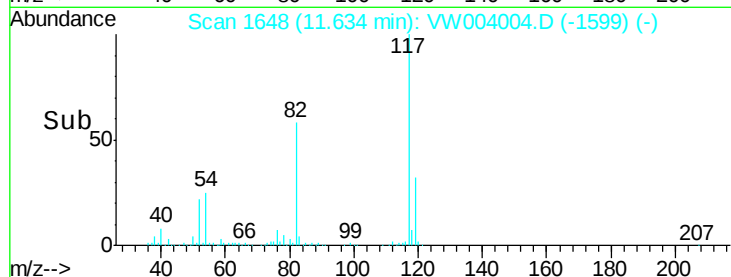
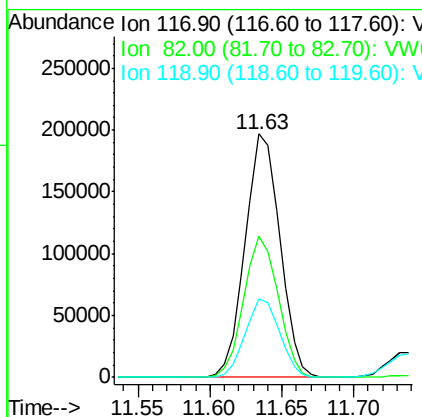
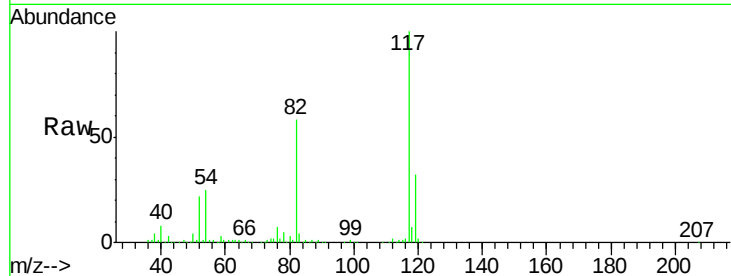
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329299		
82	58.1	46.5	69.7	
119	32.5	26.2	39.2	

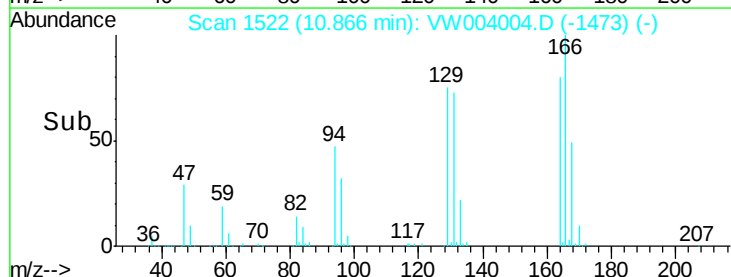
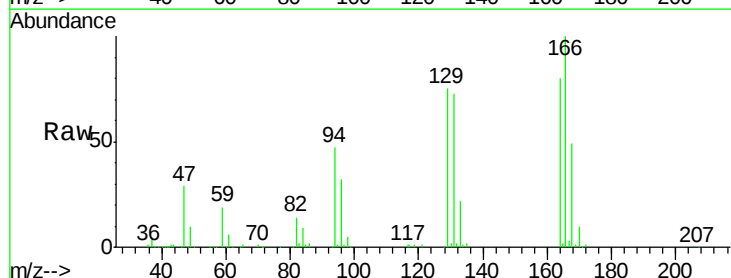
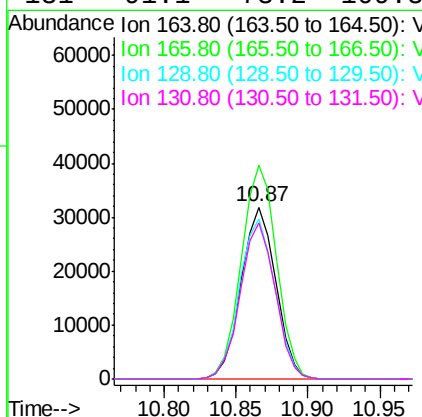
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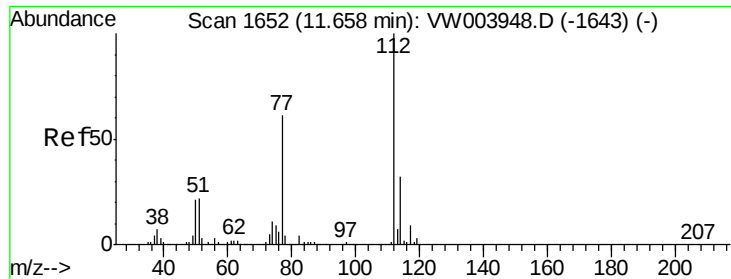
apatel
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#64
Tetrachloroethene
Concen: 23.50 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53109		
166	124.5	103.5	155.3	
129	93.4	76.8	115.2	
131	91.1	73.2	109.8	





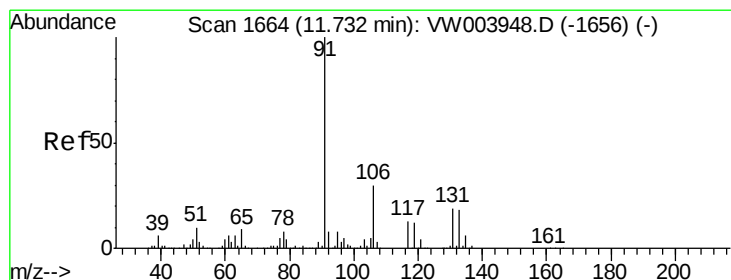
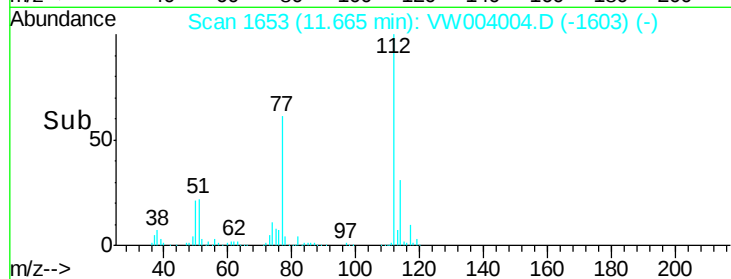
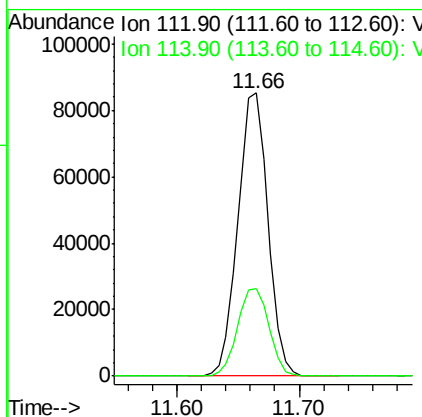
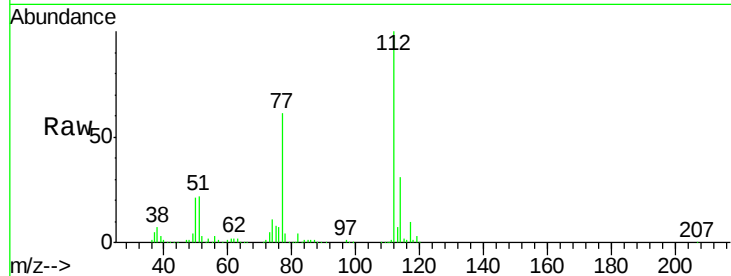
#65
Chlorobenzene
Concen: 20.67 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion:112 Resp: 144717
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

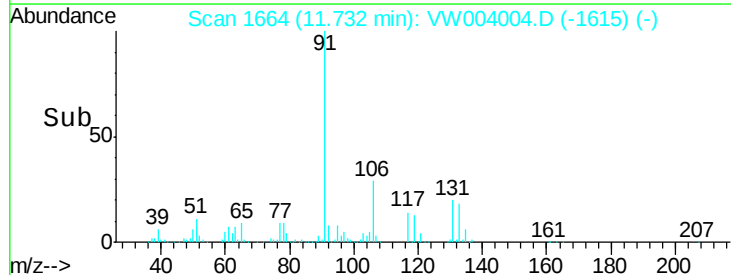
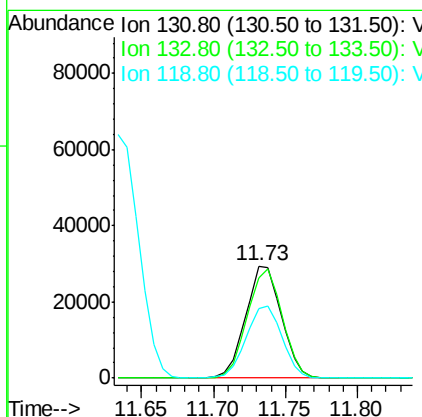
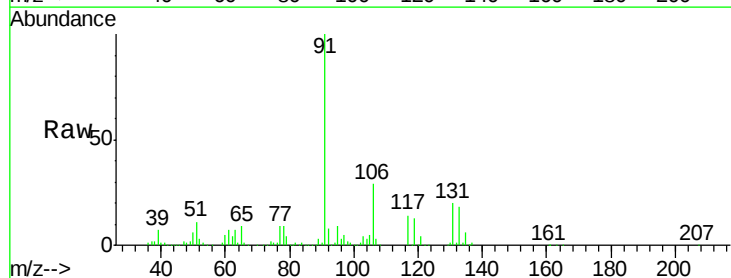
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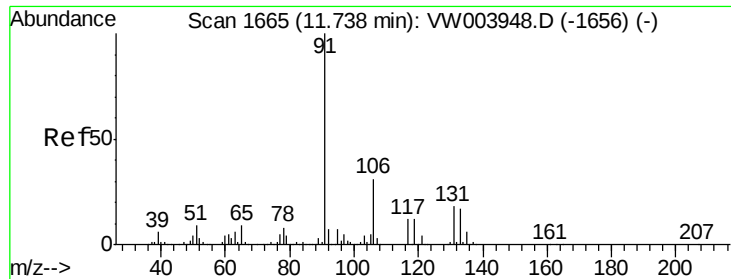
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.75 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion:131 Resp: 50499
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 64.7 32.5 97.5





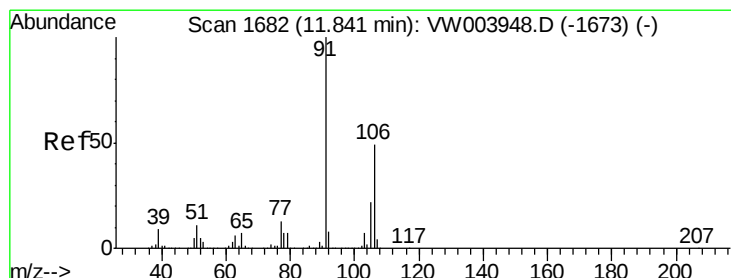
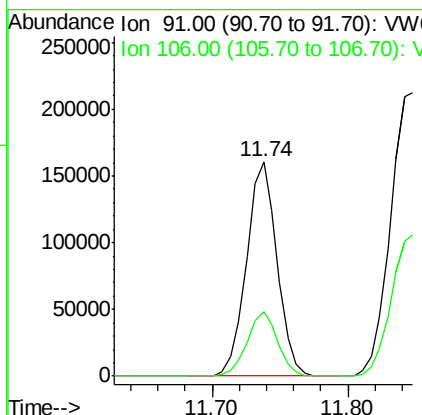
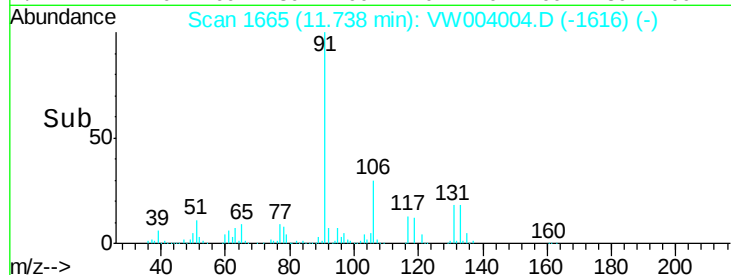
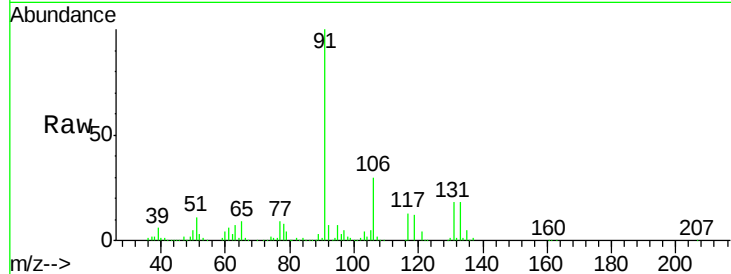
#67
Ethyl Benzene
Concen: 20.47 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion: 91 Resp: 251781
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4

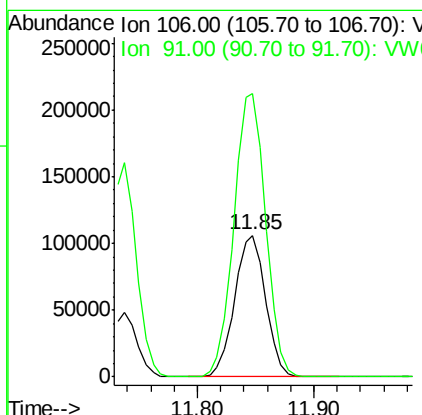
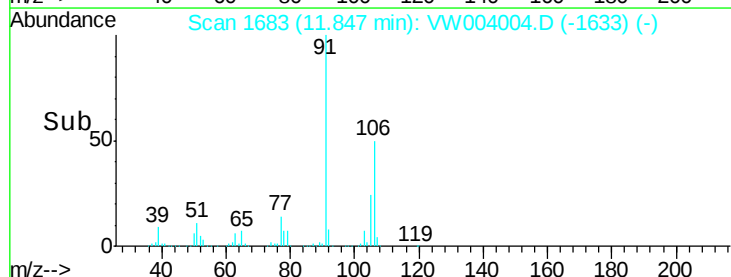
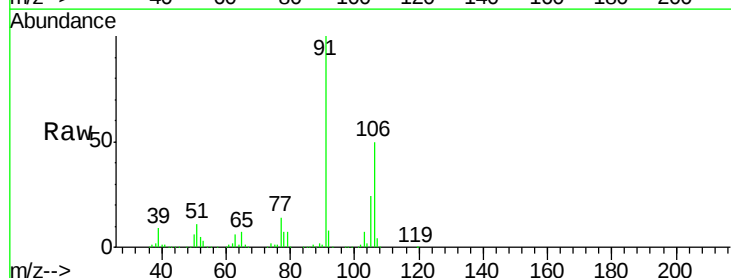
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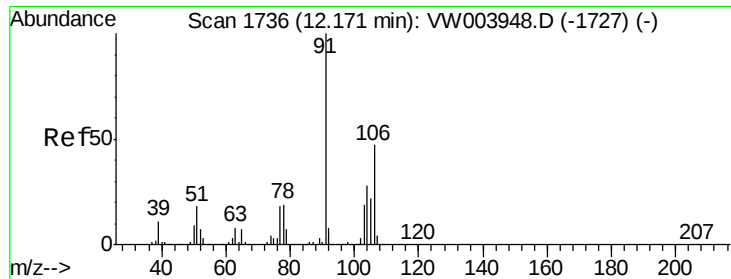
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#68
m/p-Xylenes
Concen: 41.80 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion: 106 Resp: 196524
Ion Ratio Lower Upper
106 100
91 204.1 164.2 246.2





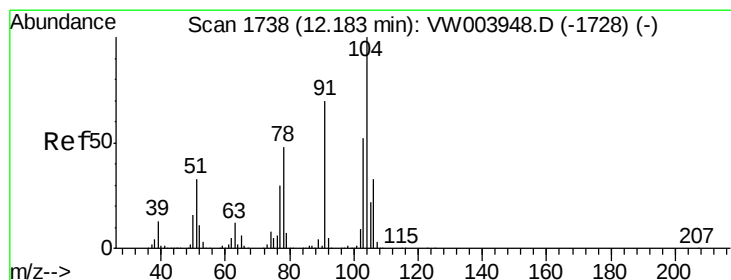
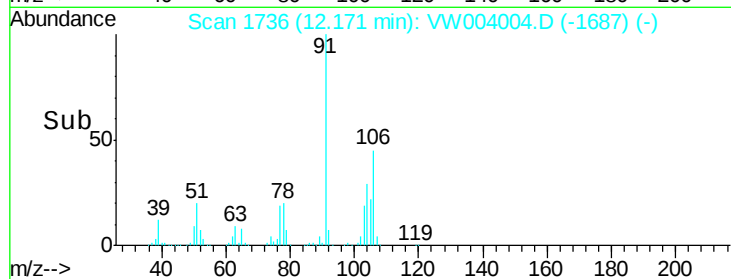
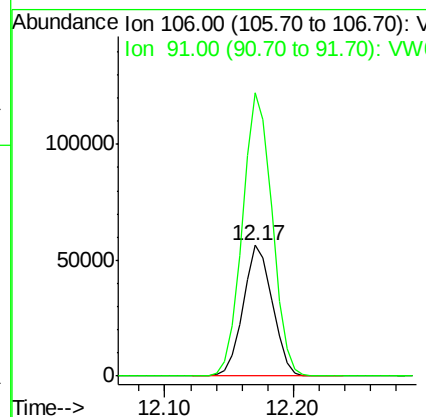
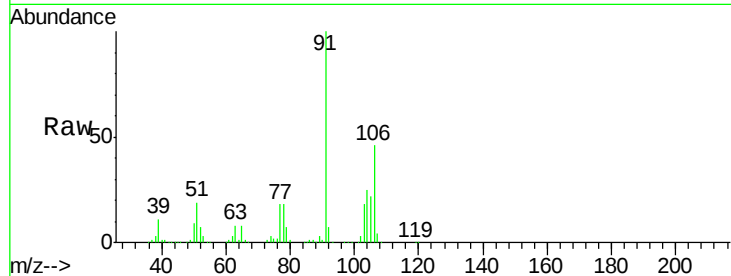
#69
o-Xylene
Concen: 20.29 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleID :
VW0717SBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	219.7	107.5	322.6	

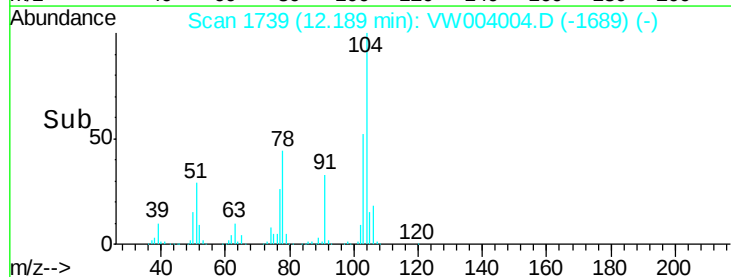
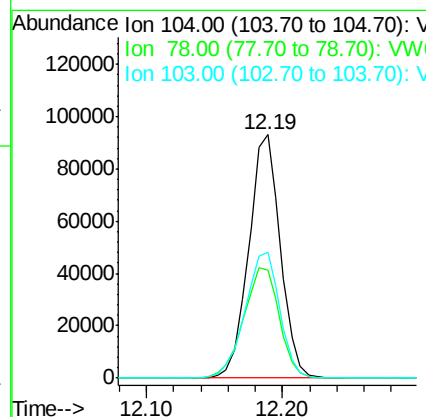
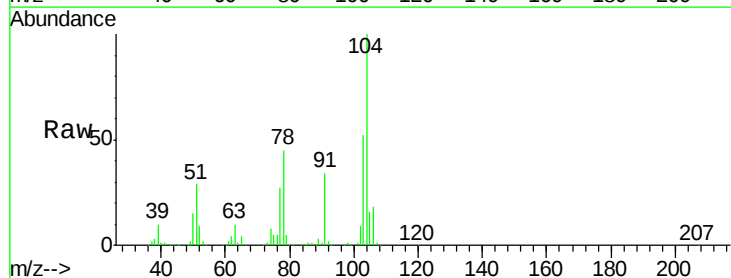
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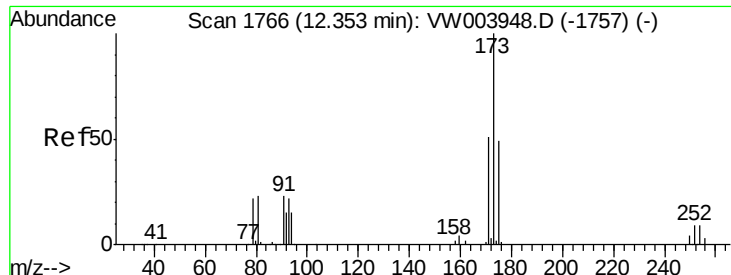
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#70
Styrene
Concen: 20.80 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.6	41.0	61.4	
103	56.6	44.6	67.0	





#71

Bromoform

Concen: 19.61 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

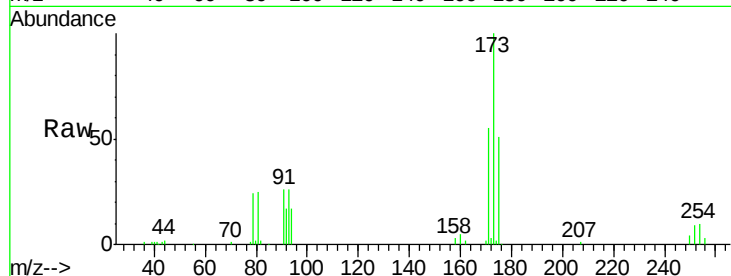
ClientSampleId :

VW0717SBS02

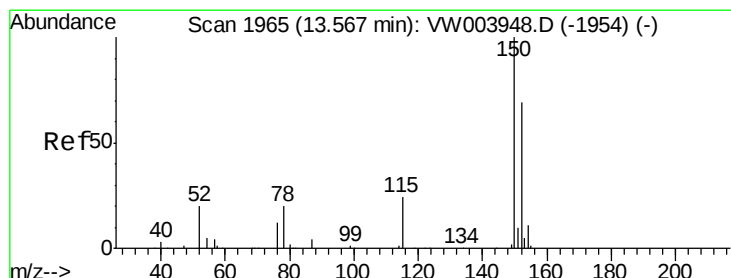
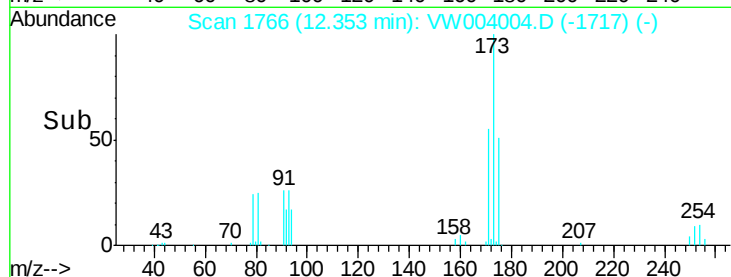
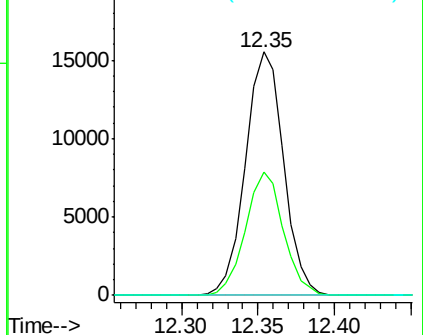
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.4	73.2
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

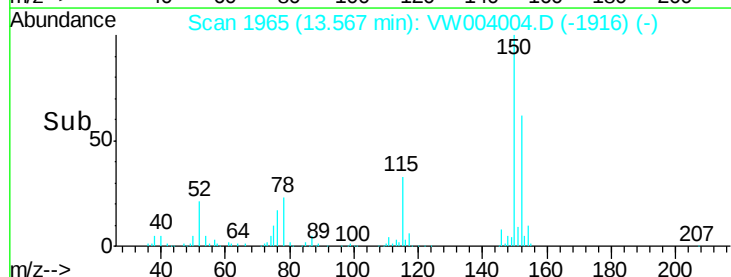
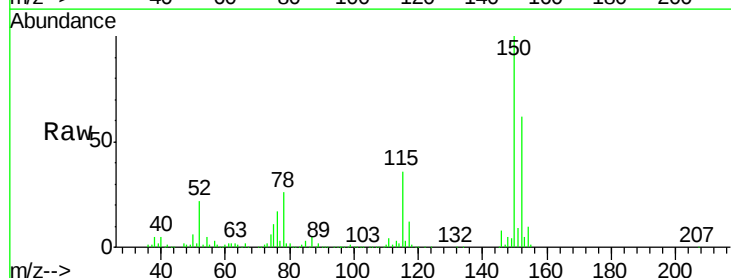
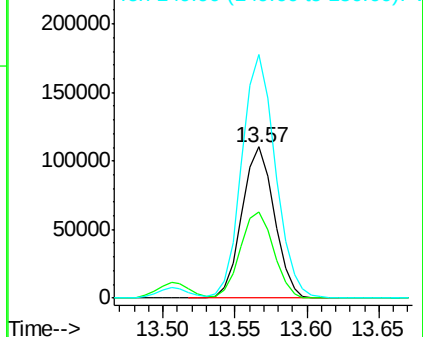
Delta R.T. 0.00 min

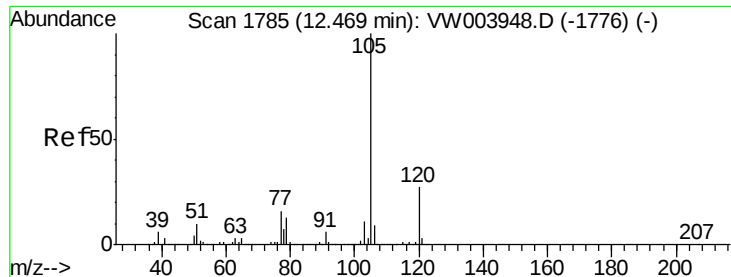
Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.2	87.6
150	166.9	0.0	345.2

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.10 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 105 Resp: 244986

Ion Ratio Lower Upper

105 100

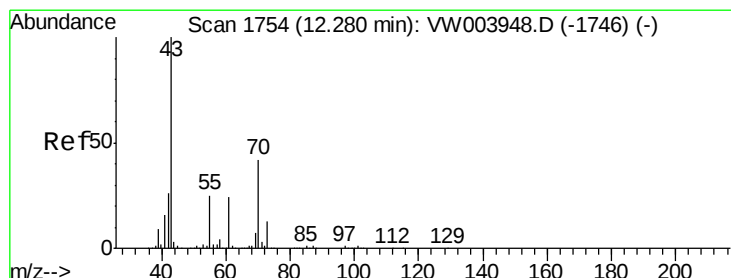
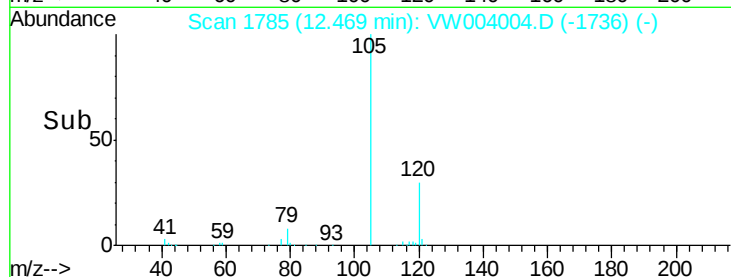
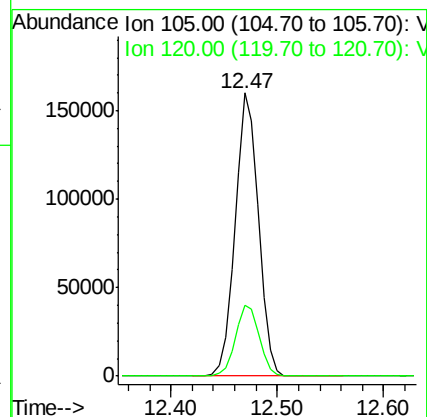
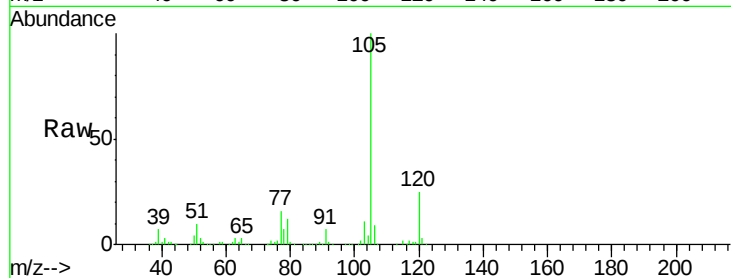
120 25.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.14 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion: 43 Resp: 60795

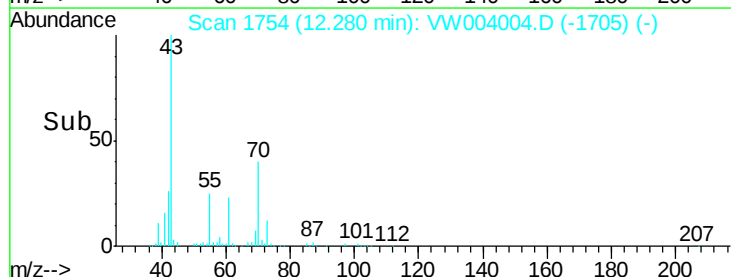
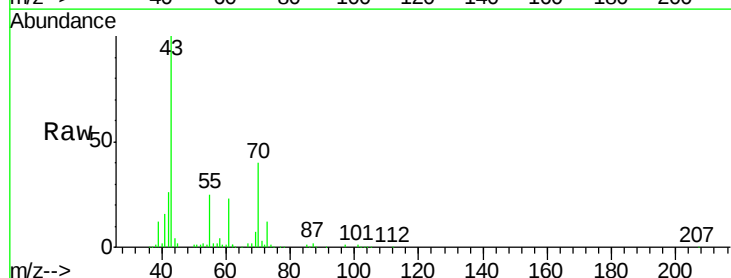
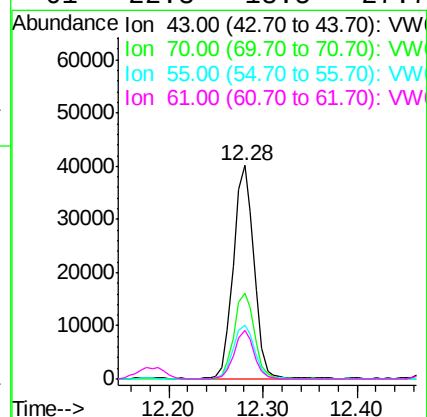
Ion Ratio Lower Upper

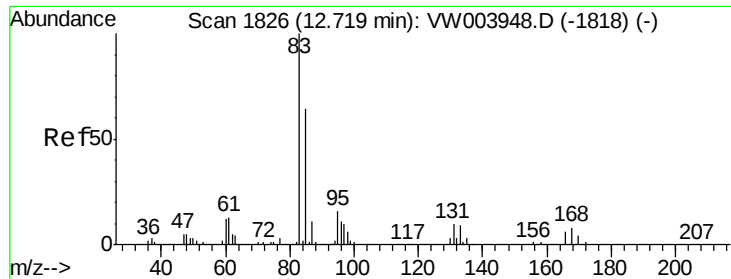
43 100

70 40.1 31.6 47.4

55 26.5 20.0 30.0

61 22.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

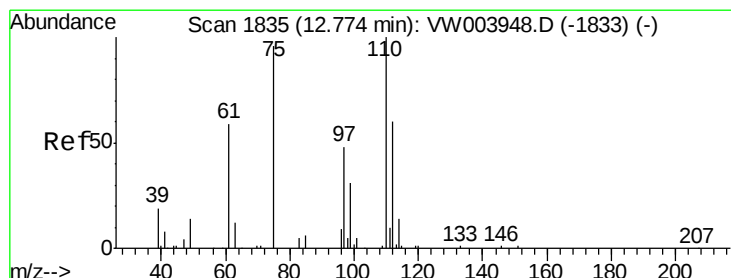
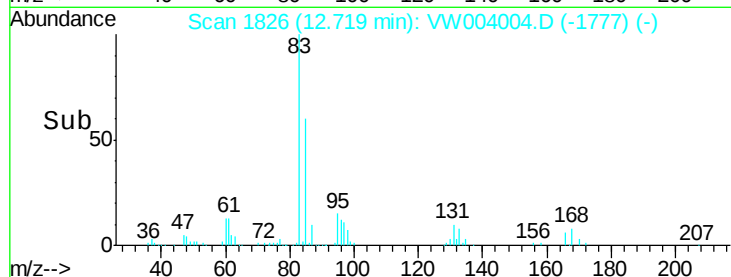
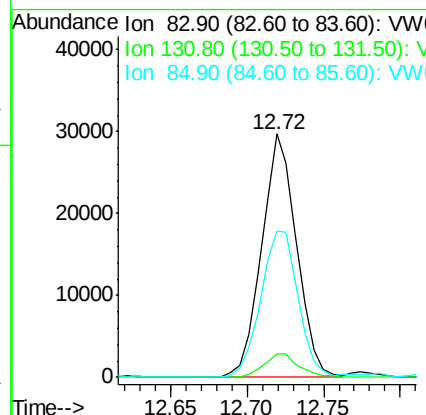
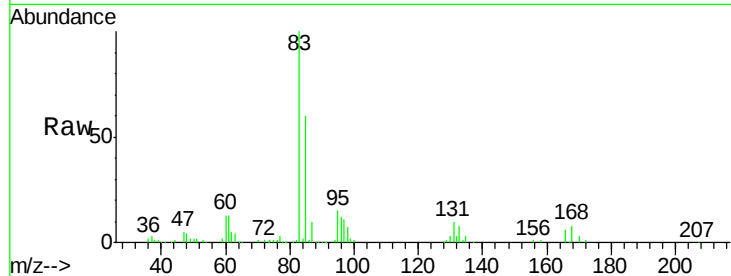
ClientSampled :

VW0717SBS02

Tot Ion:	83	Resp:	47130
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.8	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 23.60 ug/l m

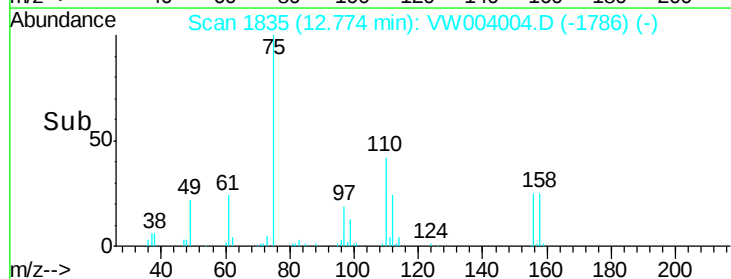
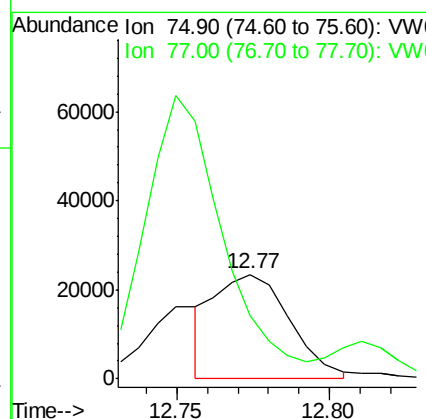
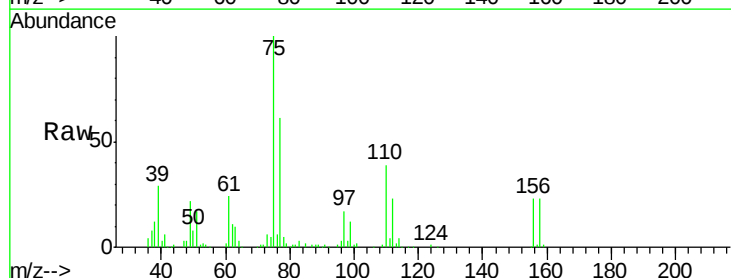
RT: 12.77 min Scan# 1835

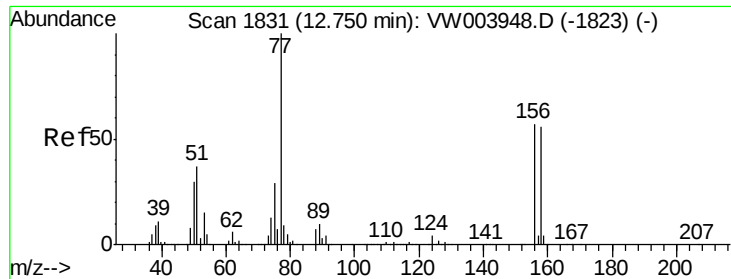
Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Tgt Ion:	75	Resp:	40419
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





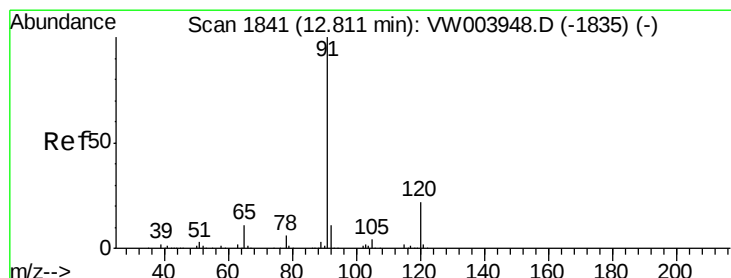
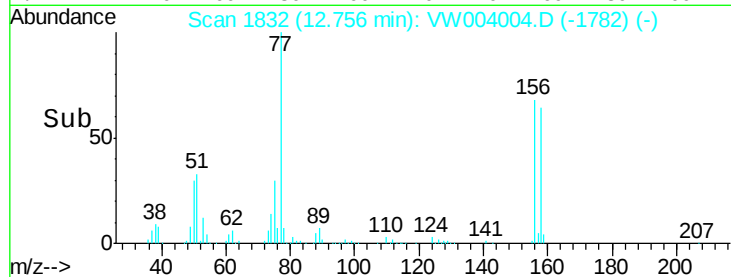
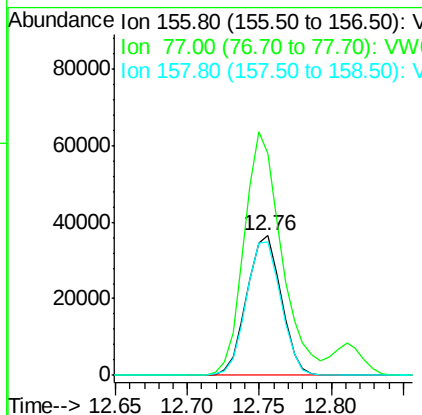
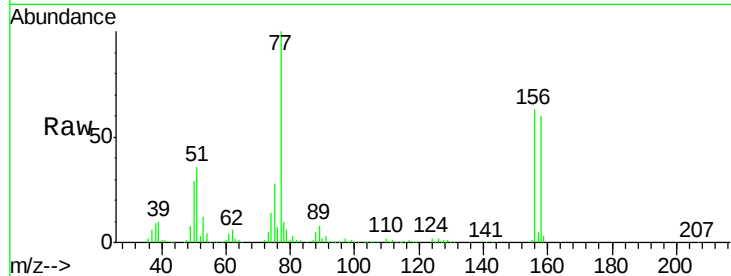
#77
Bromobenzene
Concen: 20.64 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.3	96.2	288.6
158	96.6	48.5	145.5

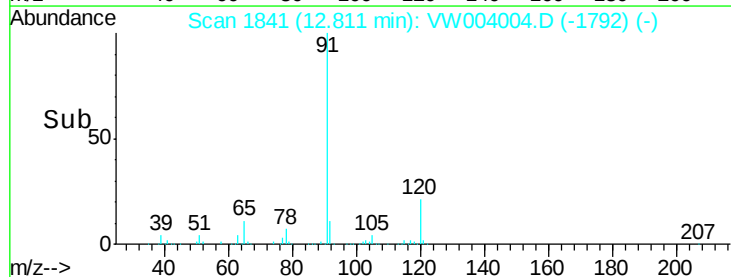
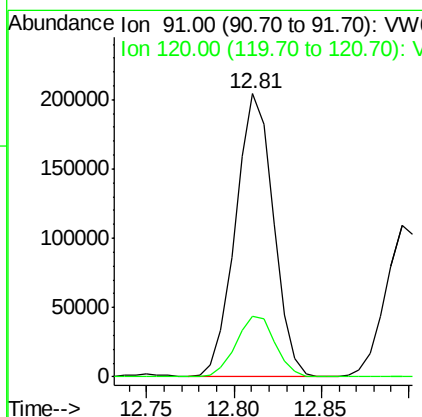
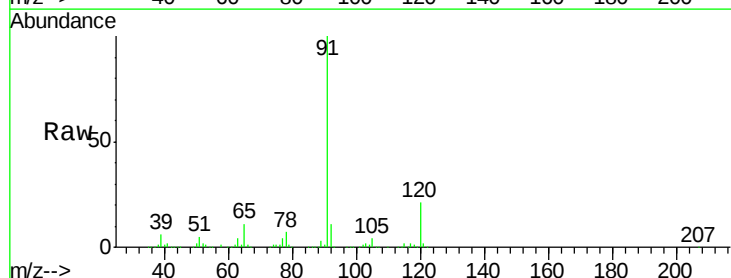
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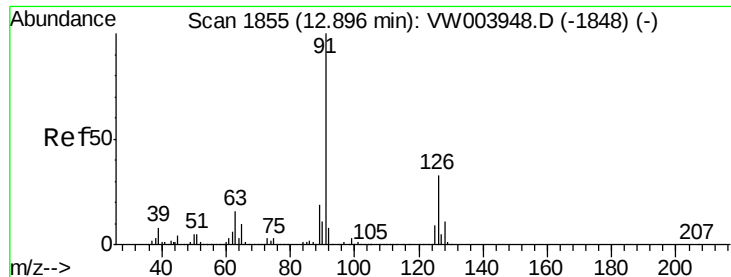
apatel
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#78
n-propylbenzene
Concen: 20.62 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79

2-Chlorotoluene

Concen: 21.05 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 91 Resp: 177545

Ion Ratio Lower Upper

91 100

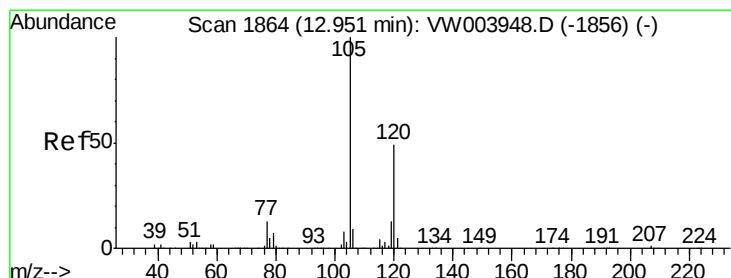
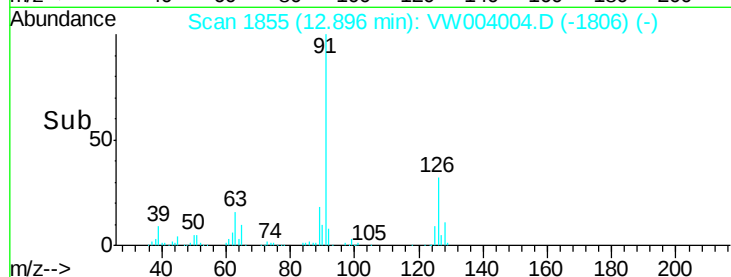
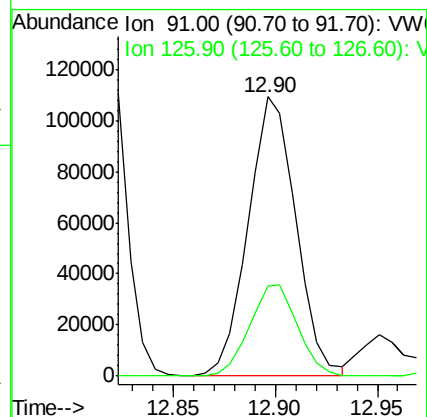
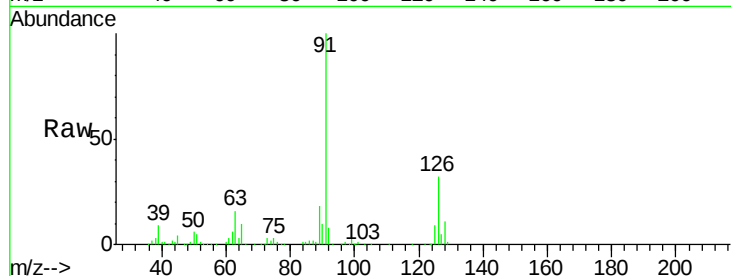
126 33.1 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.61 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004004.D

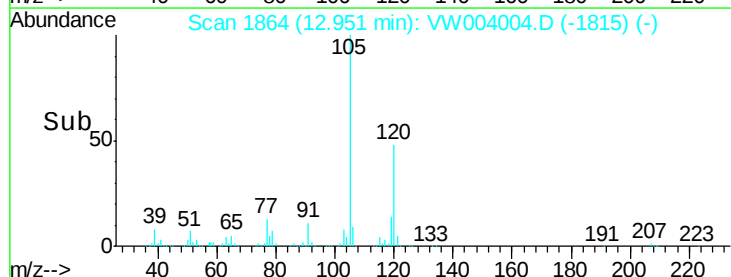
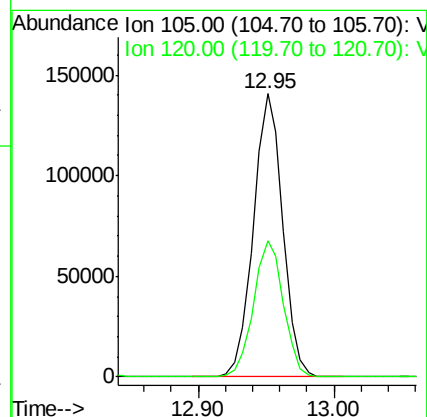
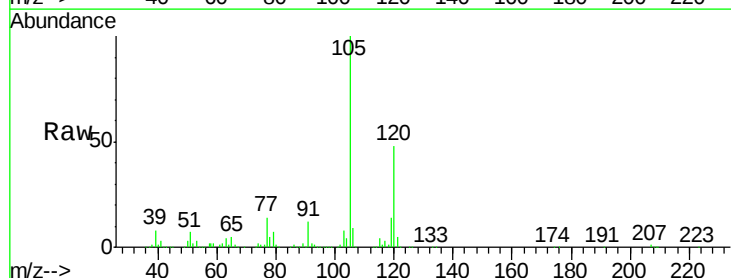
Acq: 18 Jul 2018 01:43

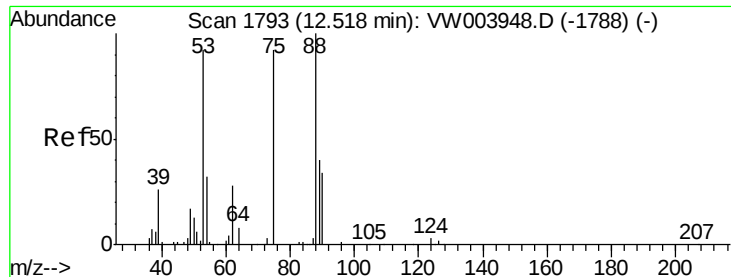
Tgt Ion:105 Resp: 211468

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.45 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion: 75 Resp: 12736

Ion Ratio Lower Upper

75 100

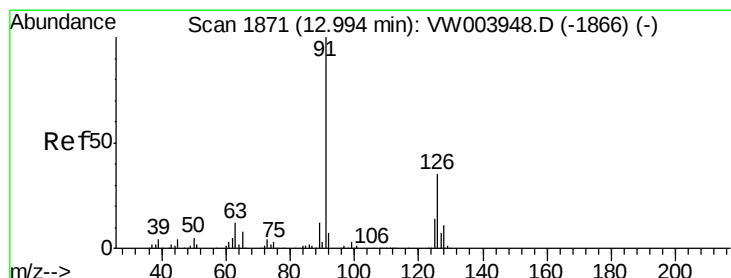
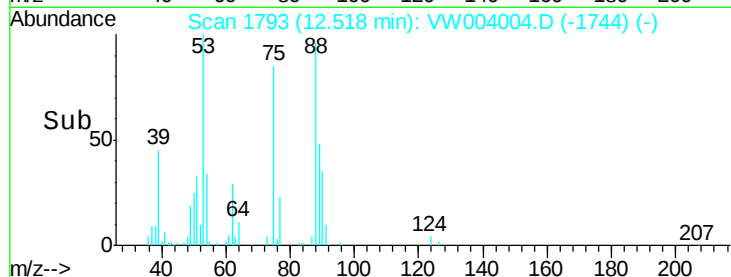
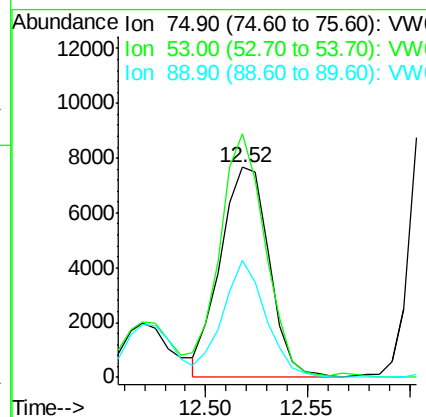
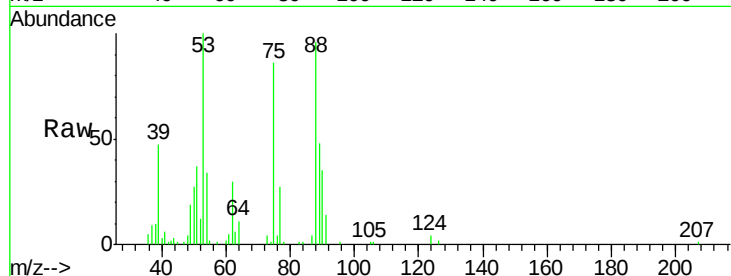
53 108.2 77.6 116.4

89 49.3 36.6 54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.77 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004004.D

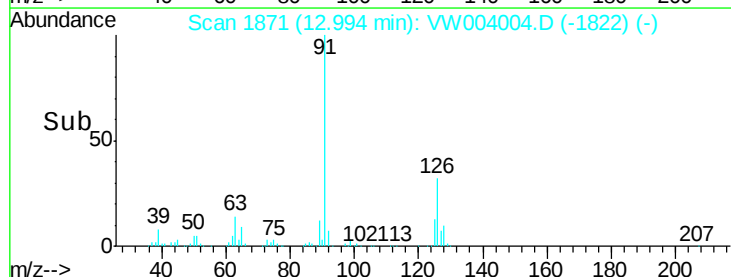
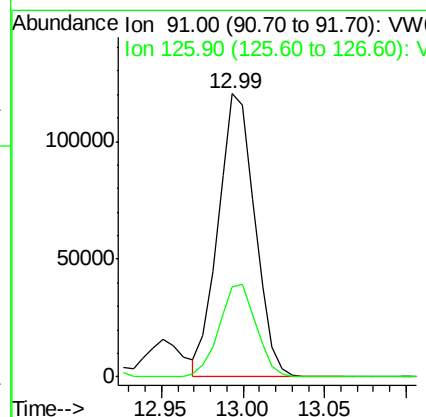
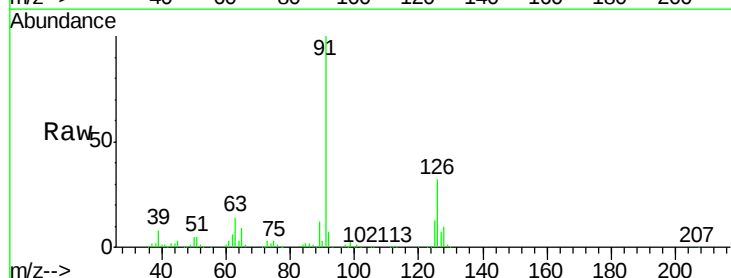
Acq: 18 Jul 2018 01:43

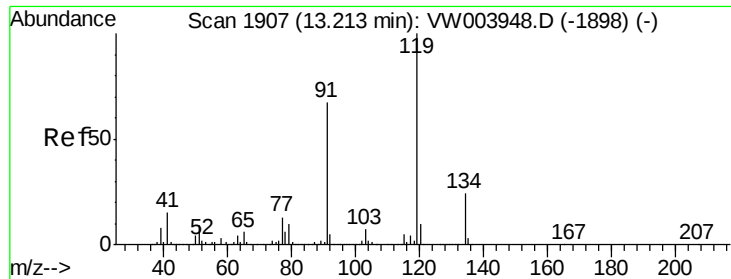
Tgt Ion: 91 Resp: 188033

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.0





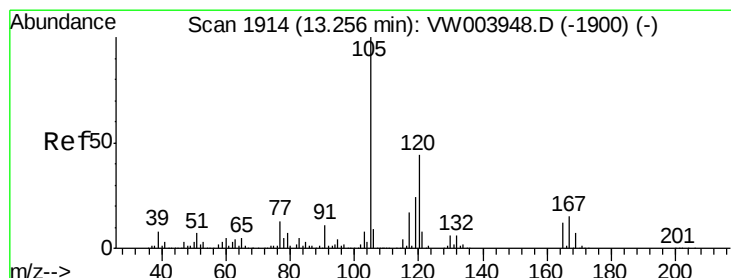
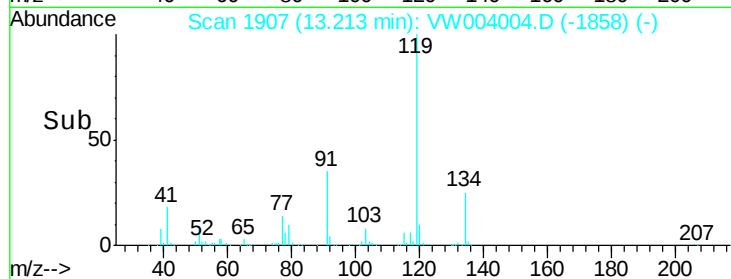
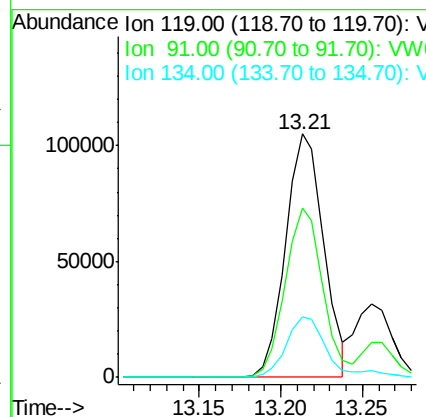
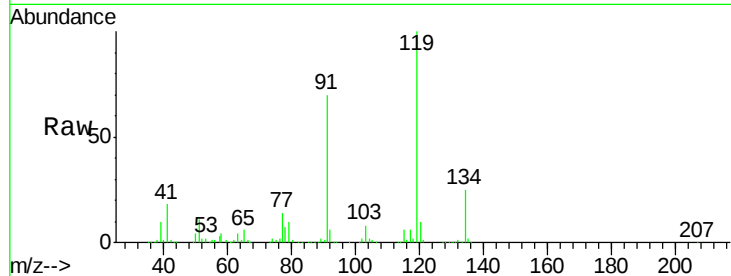
#83
 tert-Butylbenzene
 Concen: 19.78 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	33.2	99.6
134	27.0	13.0	38.9

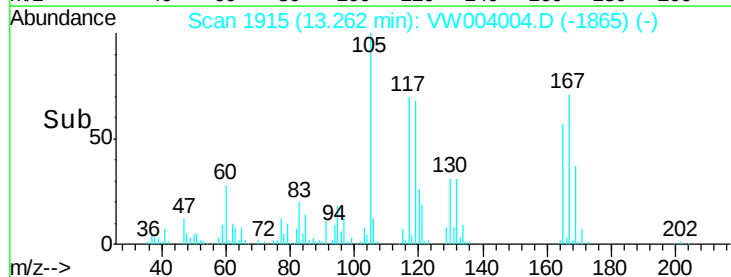
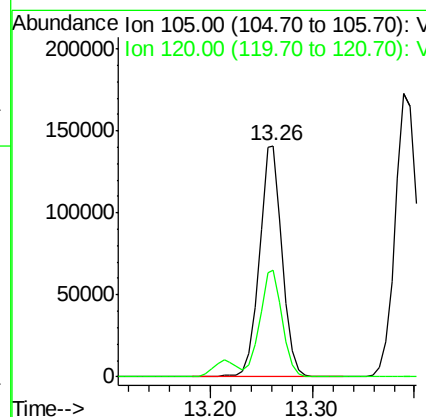
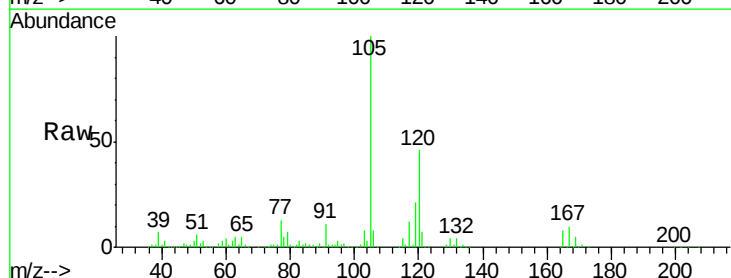
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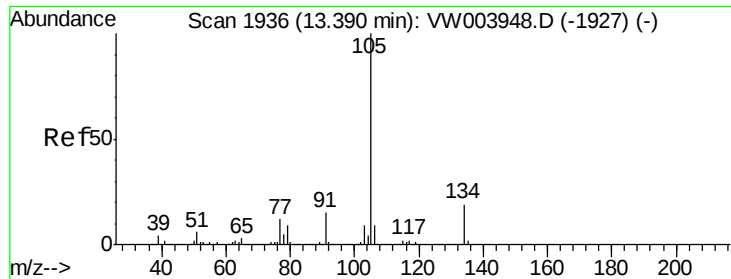
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.77 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.1	66.1





#85

sec-Butylbenzene

Concen: 20.46 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

Instrument :

MSVOA_W

ClientSampleId :

VW0717SBS02

Tot Ion:105 Resp: 261394

Ion Ratio Lower Upper

105 100

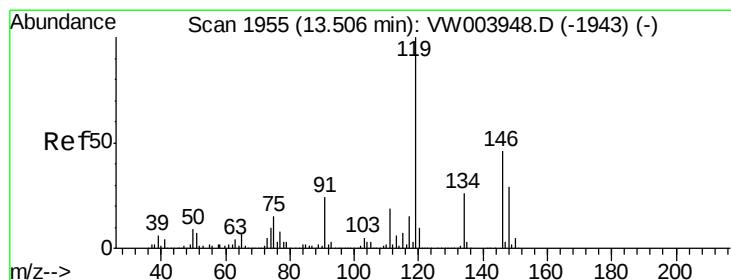
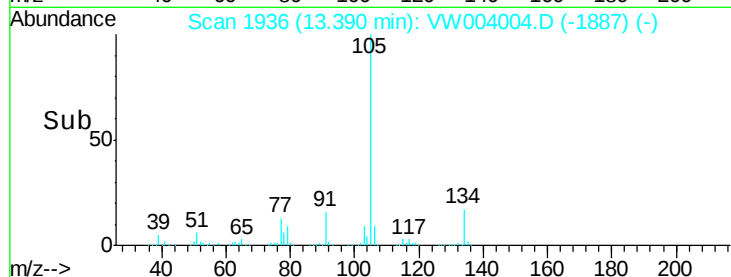
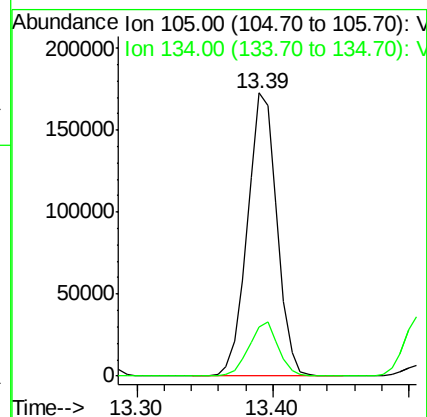
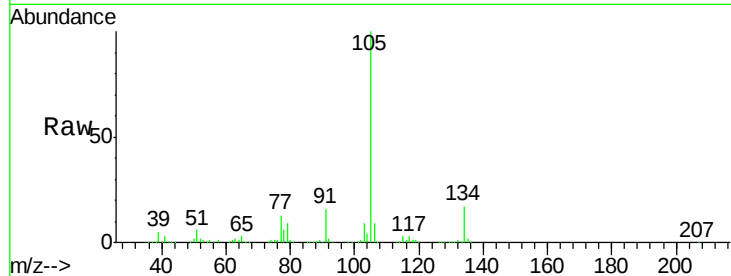
134 18.9 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 19.94 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004004.D

Acq: 18 Jul 2018 01:43

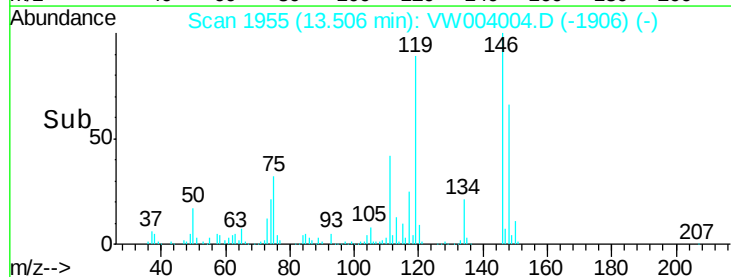
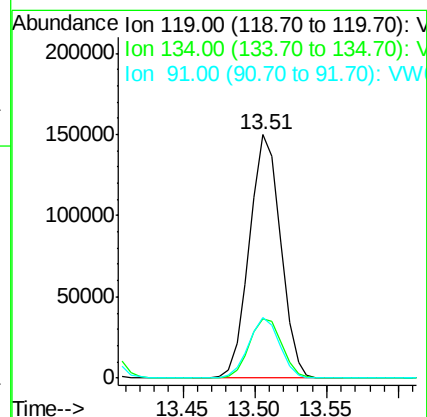
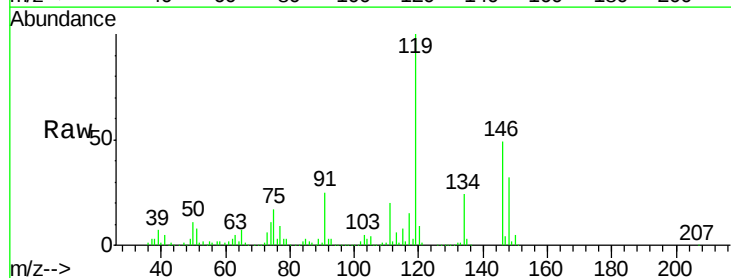
Tgt Ion:119 Resp: 223451

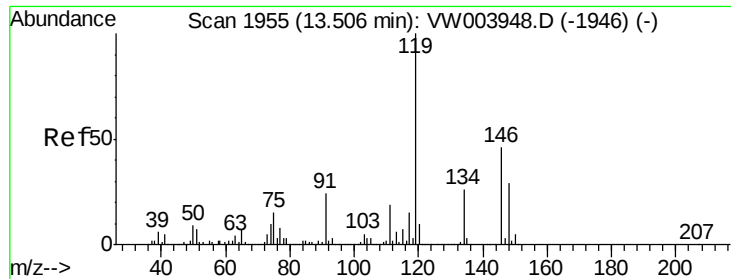
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 24.5 11.8 35.3





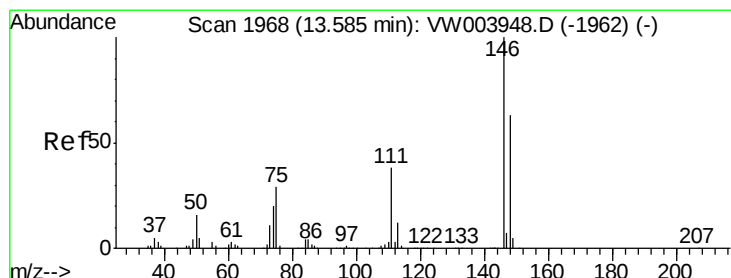
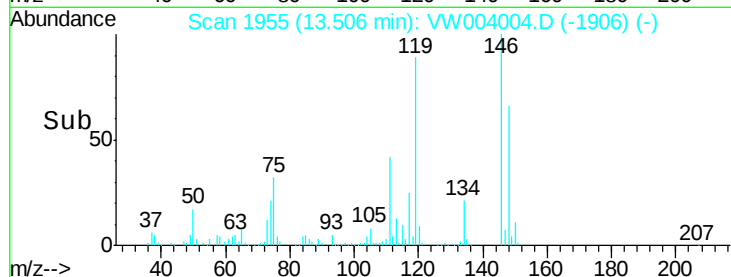
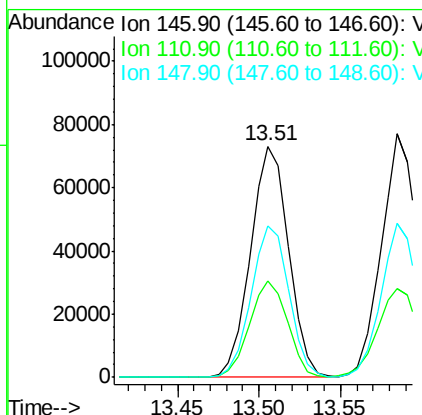
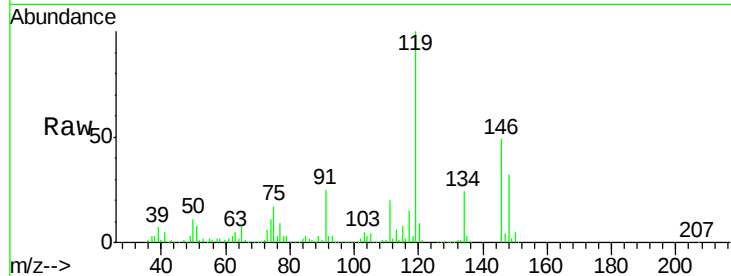
#87
 1,3-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.9	59.6
148	65.2	31.9	95.5

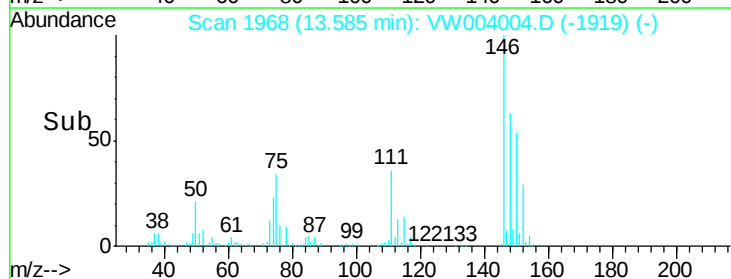
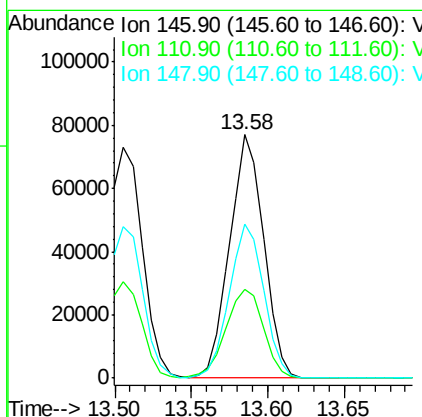
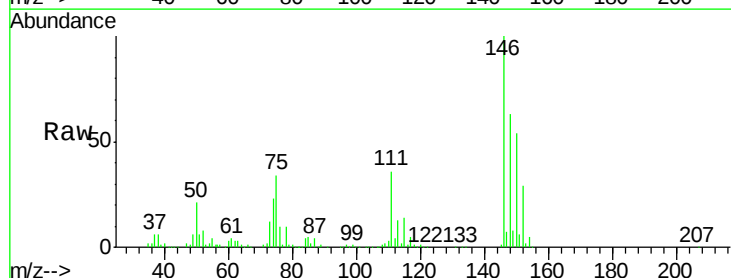
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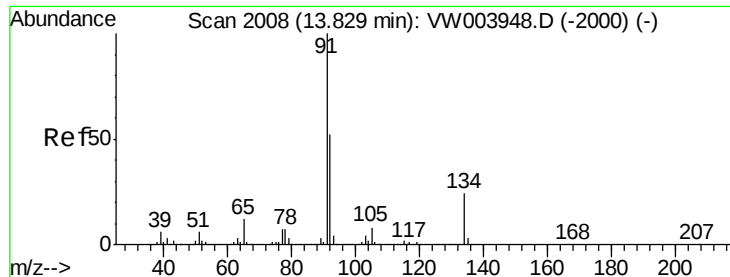
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.50 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.7
148	63.8	32.3	96.8





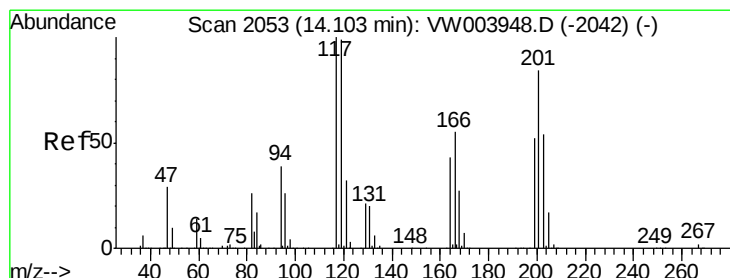
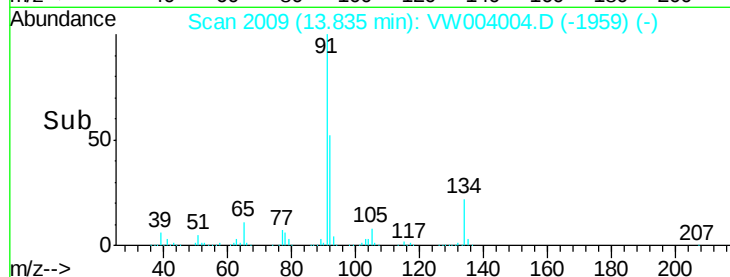
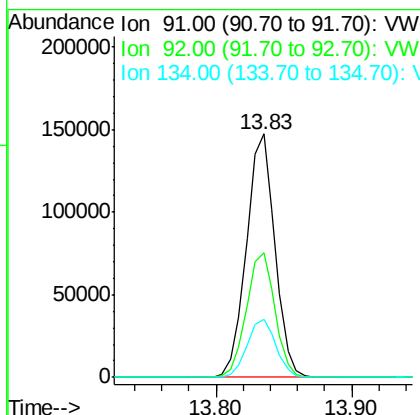
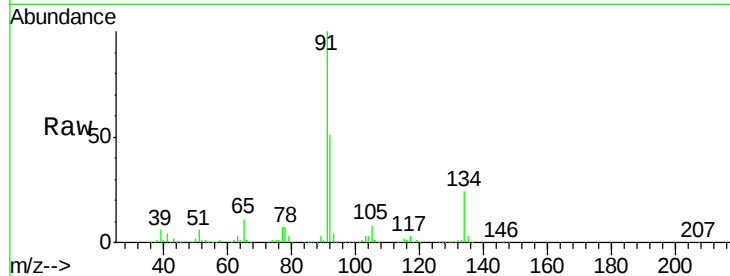
#89
n-Butylbenzene
Concen: 19.57 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.4	26.1	78.3	
134	24.2	12.4	37.4	

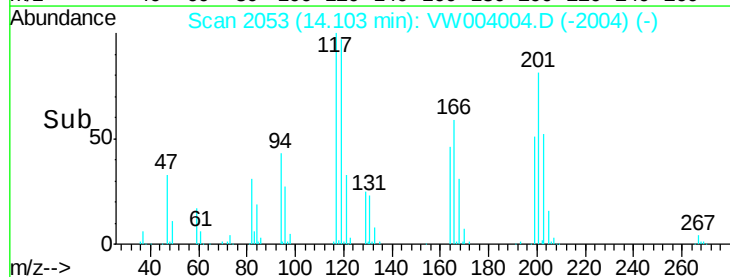
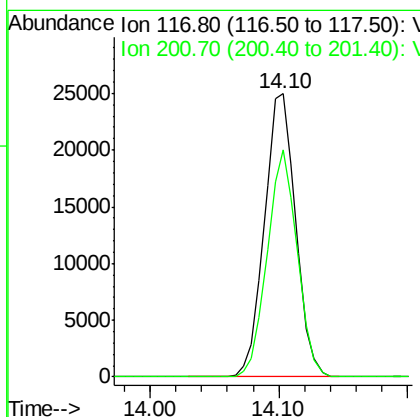
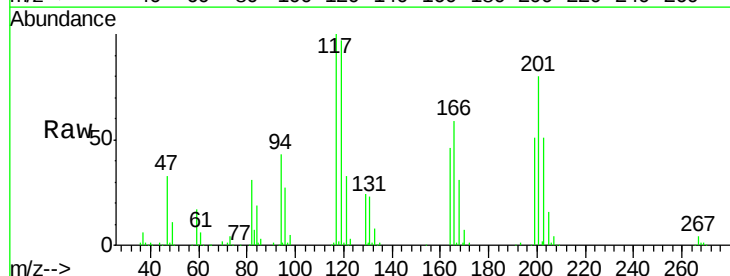
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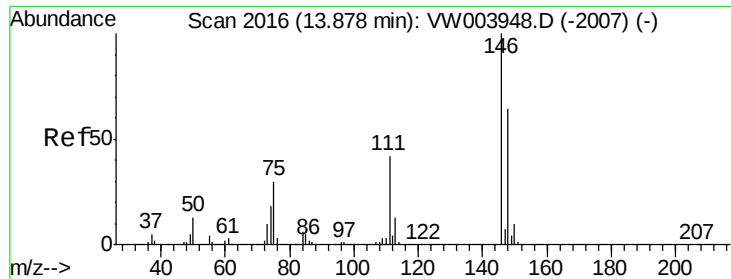
apatel
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#90
Hexachloroethane
Concen: 20.40 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.9	40.3	120.9	





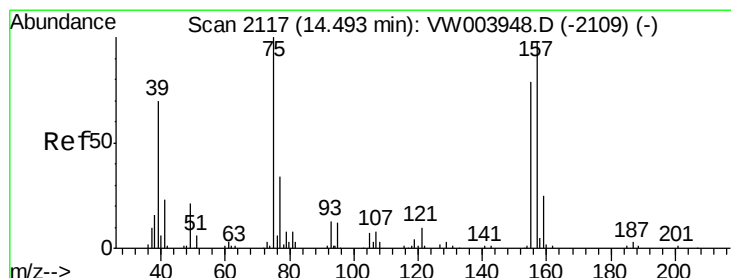
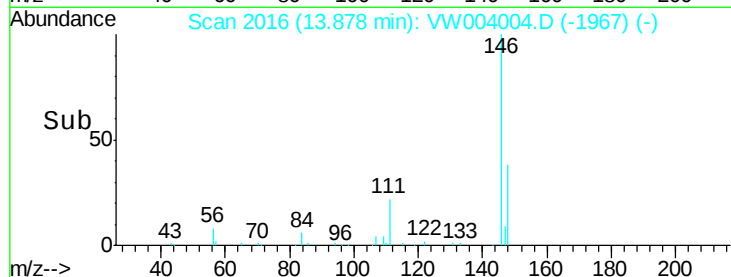
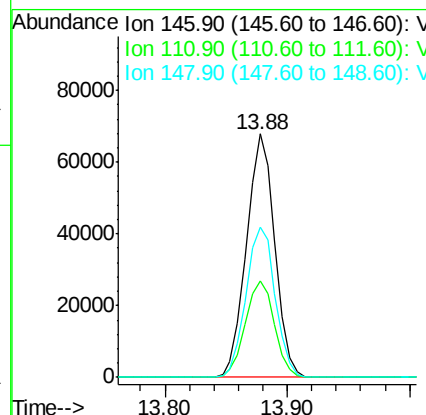
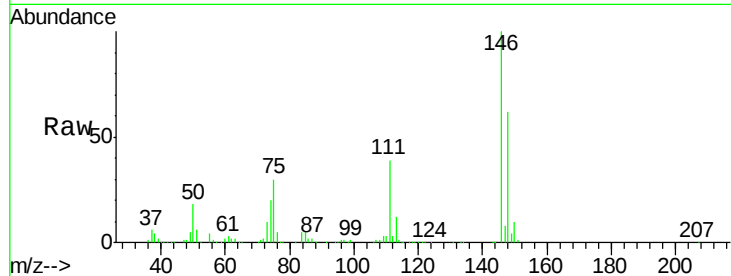
#91
 1,2-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.7	32.0	96.2

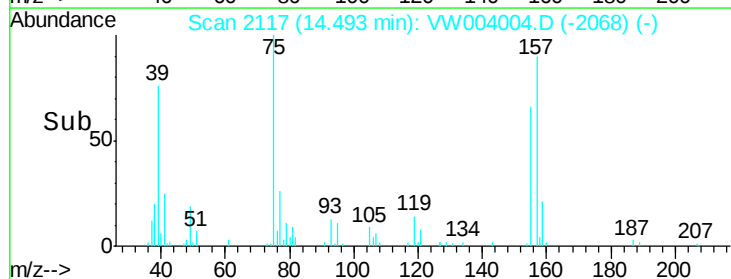
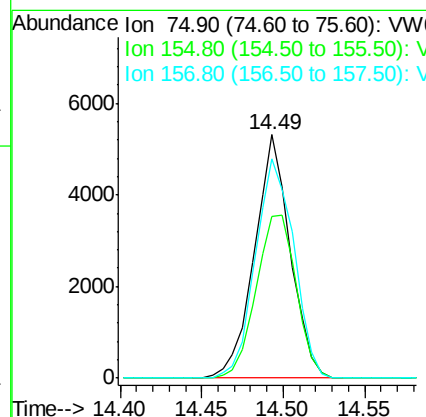
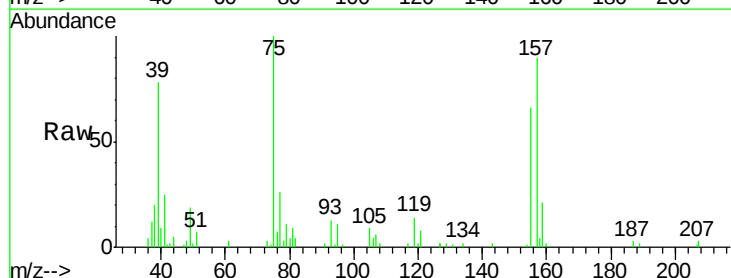
Manual Integrations
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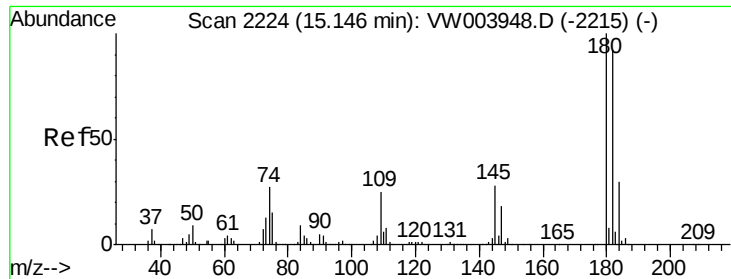
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.33 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	39.4	118.1
157	96.9	51.8	155.4





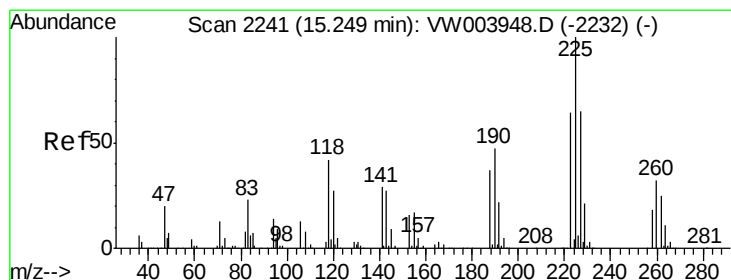
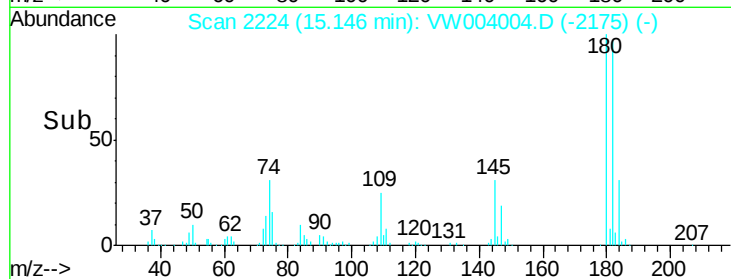
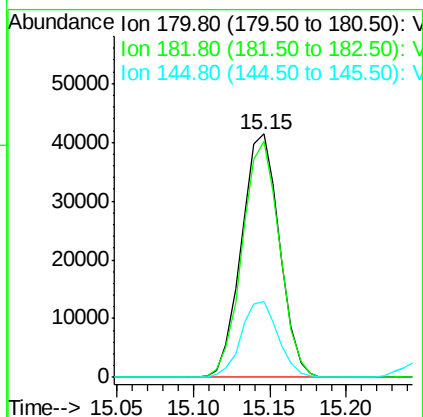
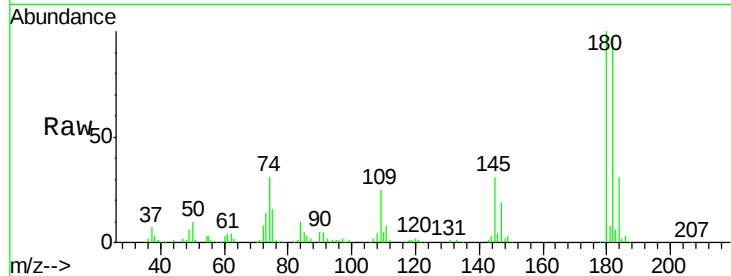
#93
 1,2,4-Trichlorobenzene
 Concen: 19.62 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0717SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.8
145	30.5	15.0	45.0

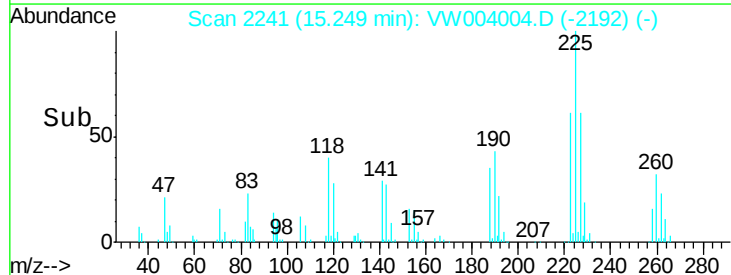
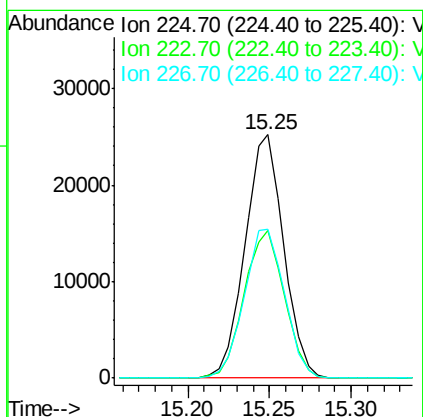
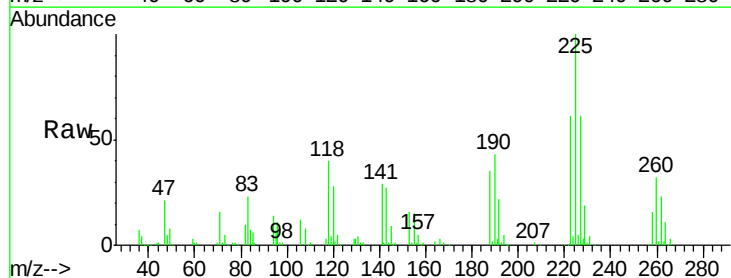
Manual Integrations
 APPROVED

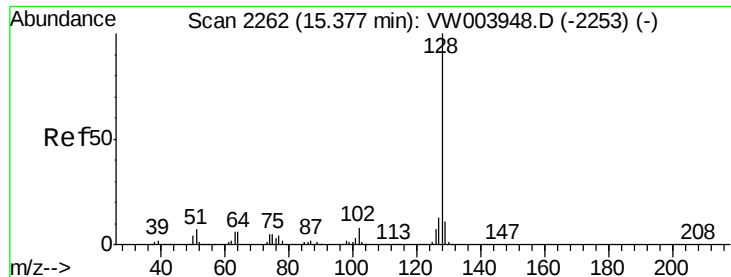
apatel
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#94
 Hexachlorobutadiene
 Concen: 19.86 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW004004.D
 Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.0	96.2
227	63.6	32.3	96.9





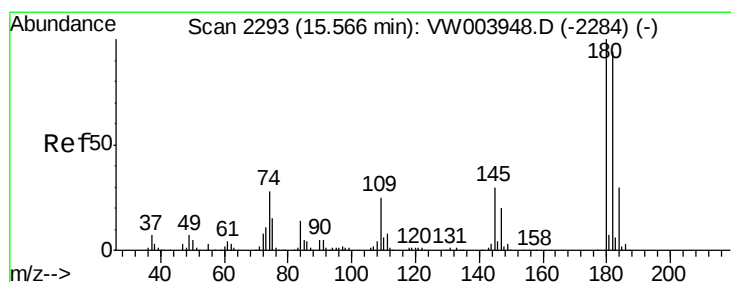
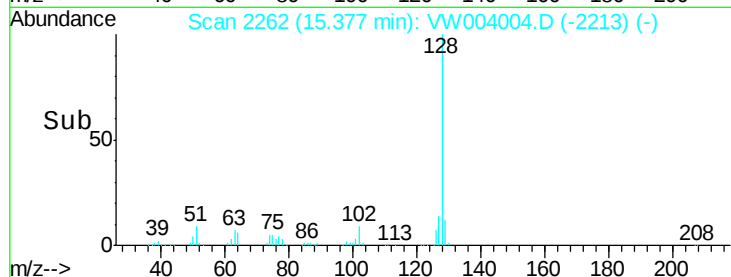
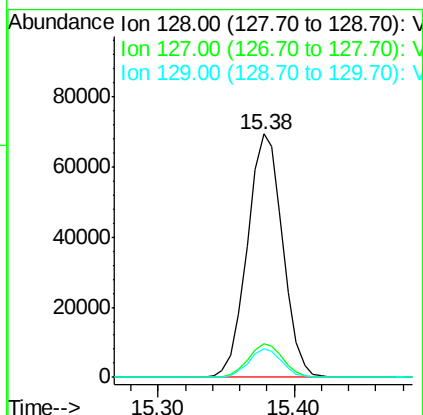
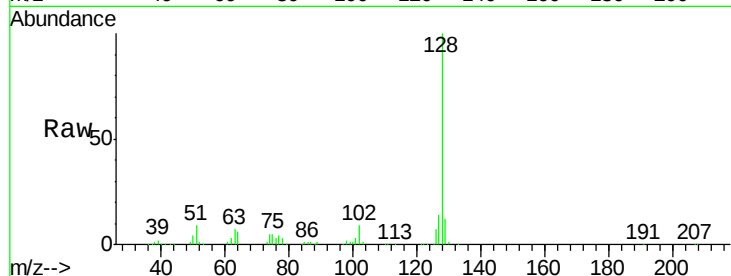
#95
Naphthalene
Concen: 18.76 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Instrument :
MSVOA_W
ClientSampleId :
VW0717SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
7/18/2018 12:30:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.77 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004004.D
Acq: 18 Jul 2018 01:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	32.5	15.8	47.4

