

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003976.D
 Acq On : 17 Jul 2018 11:02
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/18/2018 10:29:43 AM

Quant Time: Jul 17 13:48:24 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	276778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	198579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	157210	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.88	113	140669	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.33	98	555358	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.62	95	195565	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70449	45.32	ug/l	99
3) Chloromethane	2.21	50	102236	49.97	ug/l	97
4) Vinyl Chloride	2.36	62	143672	51.06	ug/l	100
5) Bromomethane	2.78	94	84688	48.15	ug/l	97
6) Chloroethane	2.92	64	77912	48.73	ug/l	97
7) Trichlorofluoromethane	3.25	101	65573	55.51	ug/l	96
8) Diethyl Ether	3.68	74	59062	43.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	137484	50.43	ug/l	99
10) Methyl Iodide	4.26	142	198623	50.73	ug/l	100
11) Tert butyl alcohol	5.18	59	49926	233.76	ug/l	99
12) 1,1-Dichloroethene	4.03	96	135395	50.34	ug/l	100
13) Acrolein	3.89	56	52547	239.45	ug/l	97
14) Allyl chloride	4.66	41	233266	52.54	ug/l	99
15) Acrylonitrile	5.36	53	167436	238.28	ug/l	99
16) Acetone	4.12	43	208850	280.92	ug/l	98
17) Carbon Disulfide	4.37	76	435841	51.91	ug/l	100
18) Methyl Acetate	4.67	43	83522	46.80	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	253256	49.13	ug/l	100
20) Methylene Chloride	4.91	84	146120	43.49	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	146632	49.73	ug/l	98
22) Diisopropyl ether	6.31	45	460490	51.32	ug/l	99
23) Vinyl Acetate	6.26	43	1412388	248.42	ug/l	100
24) 1,1-Dichloroethane	6.21	63	270531	49.41	ug/l	99
25) 2-Butanone	7.17	43	245022	244.91	ug/l	98
26) 2,2-Dichloropropane	7.17	77	163082	51.89	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	154983	48.62	ug/l	98
28) Bromochloromethane	7.51	49	107015	47.76	ug/l	99
29) Tetrahydrofuran	7.53	42	148873	238.89	ug/l	99
30) Chloroform	7.68	83	272106	49.96	ug/l	97
31) Cyclohexane	7.95	56	255104	49.70	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	215684	50.72	ug/l	100
36) 1,1-Dichloropropene	8.08	75	223270	51.75	ug/l	99
37) Ethyl Acetate	7.26	43	103064	49.53	ug/l	98
38) Carbon Tetrachloride	8.07	117	210610	52.25	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	267160	52.88	ug/l	99
40) Benzene	8.32	78	612672	51.19	ug/l	100
41) Methacrylonitrile	7.48	41	53650	46.53	ug/l	97
42) 1,2-Dichloroethane	8.40	62	182956	50.10	ug/l	99
43) Isopropyl Acetate	8.43	43	188969	48.55	ug/l	99
44) Trichloroethene	9.09	130	156396	50.41	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154899	50.70	ug/l	99
46) Dibromomethane	9.46	93	79142	49.92	ug/l	99
47) Bromodichloromethane	9.65	83	198376	50.76	ug/l	99
48) Methyl methacrylate	9.44	41	93035	49.43	ug/l	100
49) 1,4-Dioxane	9.45	88	24059	987.34	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	510537	246.21	ug/l	100
52) Toluene	10.39	92	381415	51.53	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	205102	50.19	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	236694	50.63	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	109485	49.11	ug/l	99
56) Ethyl methacrylate	10.65	69	144310	45.53	ug/l	97
57) 1,3-Dichloropropane	10.94	76	193974	50.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	327392	247.53	ug/l	99
59) 2-Hexanone	10.98	43	379640	259.77	ug/l	99
60) Dibromochloromethane	11.13	129	129758	49.98	ug/l	99
61) 1,2-Dibromoethane	11.24	107	106035	49.98	ug/l	98
64) Tetrachloroethene	10.87	164	132224	49.94	ug/l	97
65) Chlorobenzene	11.66	112	410568	50.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	144946	50.83	ug/l	99
67) Ethyl Benzene	11.74	91	743429	51.57	ug/l	99
68) m/p-Xylenes	11.85	106	568623	103.21	ug/l	100
69) o-Xylene	12.17	106	262984	51.46	ug/l	99
70) Styrene	12.19	104	439883	51.53	ug/l	100
71) Bromoform	12.35	173	78427	48.71	ug/l #	100
73) Isopropylbenzene	12.47	105	735371	52.41	ug/l	100
74) N-amyl acetate	12.28	43	181798	49.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	132445	48.81	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	94214m	47.79	ug/l	
77) Bromobenzene	12.76	156	168000	50.04	ug/l	100
78) n-propylbenzene	12.81	91	914240	53.11	ug/l	100
79) 2-Chlorotoluene	12.90	91	504959	52.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	623936	52.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	43093	48.35	ug/l	97
82) 4-Chlorotoluene	12.99	91	530804	50.94	ug/l	100
83) tert-Butylbenzene	13.21	119	527434	53.20	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	639258	52.62	ug/l	99
85) sec-Butylbenzene	13.39	105	784694	53.34	ug/l	100
86) p-Isopropyltoluene	13.51	119	690542	53.52	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	337024	50.26	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	335933	49.95	ug/l	99
89) n-Butylbenzene	13.83	91	680431	53.64	ug/l	99
90) Hexachloroethane	14.10	117	122010	51.30	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	299728	50.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22917	47.49	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	213331	50.84	ug/l	99
94) Hexachlorobutadiene	15.25	225	127266	52.82	ug/l	99
95) Naphthalene	15.38	128	390493	50.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	187535	50.48	ug/l	99

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

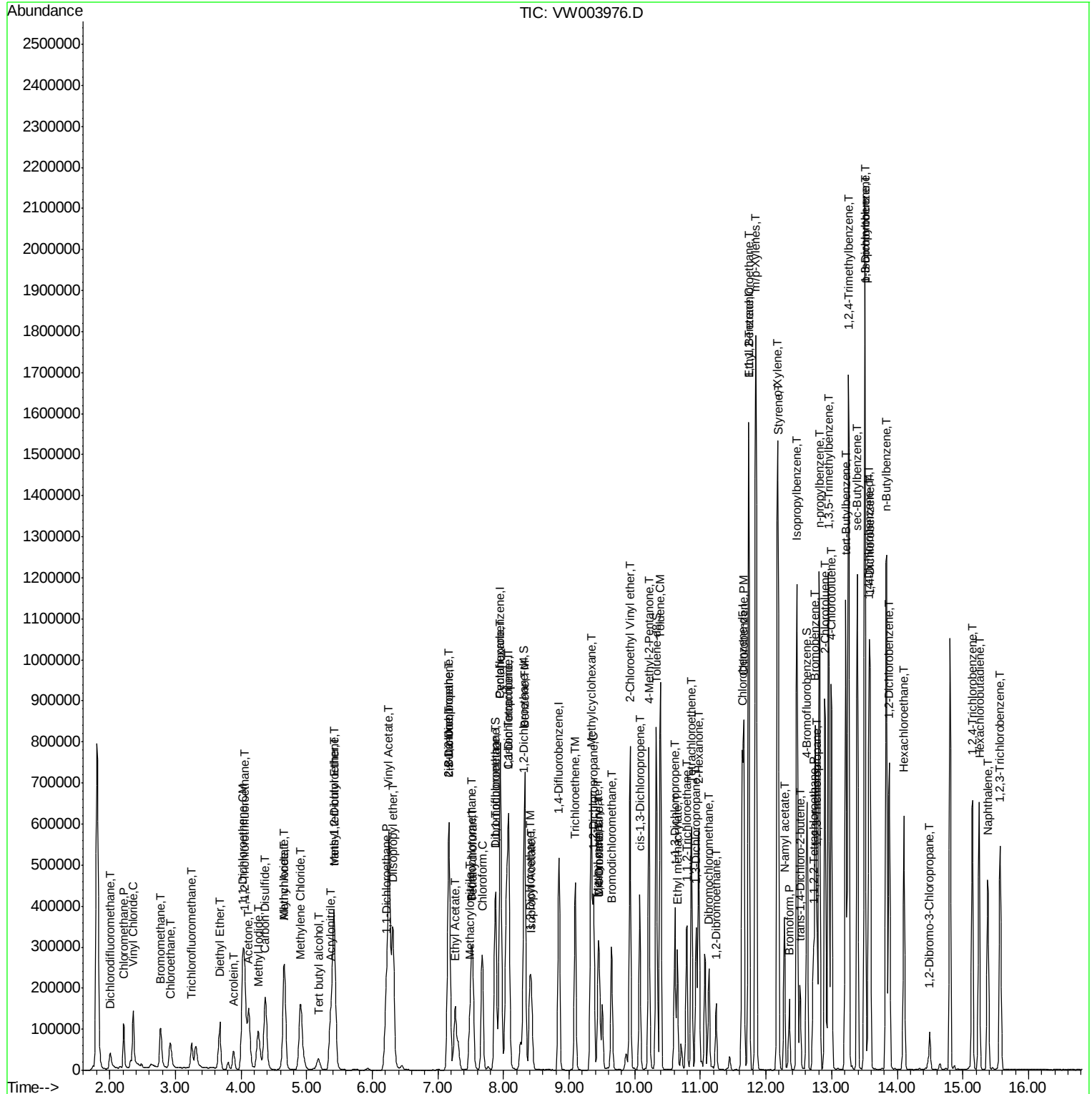
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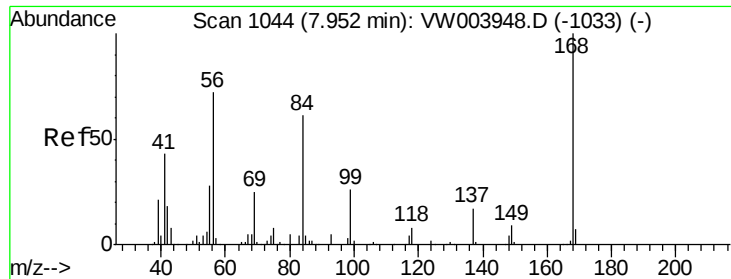
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 276778

Ion Ratio Lower Upper

168 100

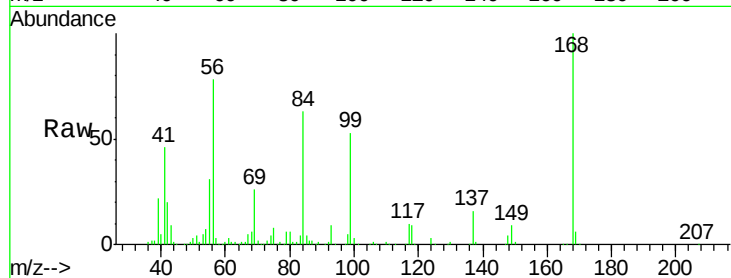
99 53.4 43.8 65.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

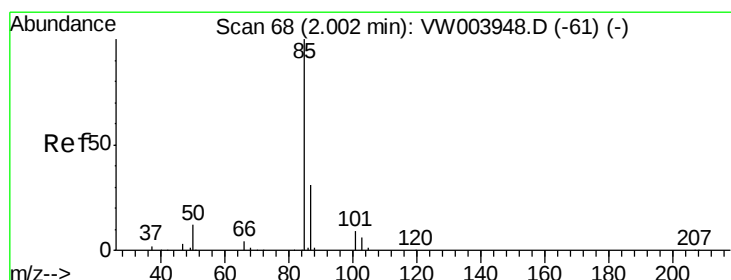
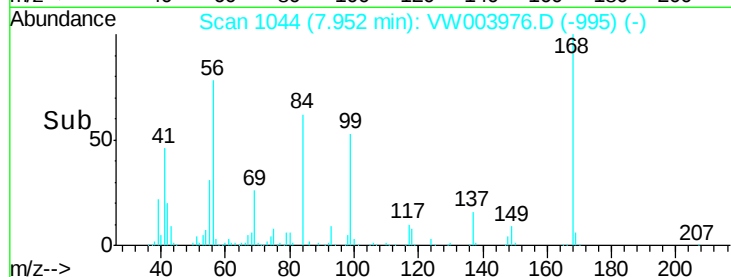
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 45.32 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003976.D

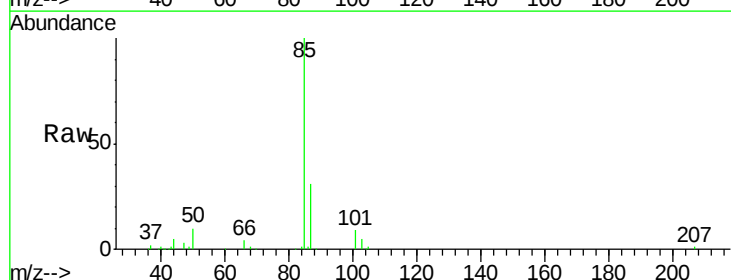
Acq: 17 Jul 2018 11:02

Tgt Ion: 85 Resp: 70449

Ion Ratio Lower Upper

85 100

87 31.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

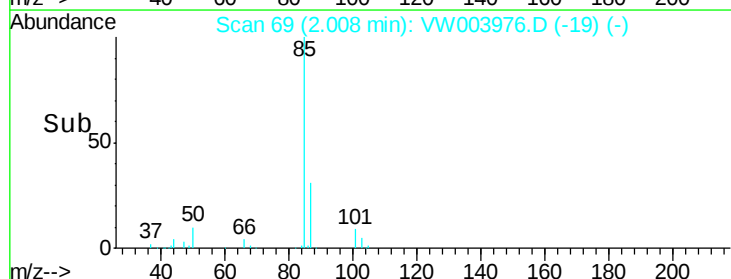
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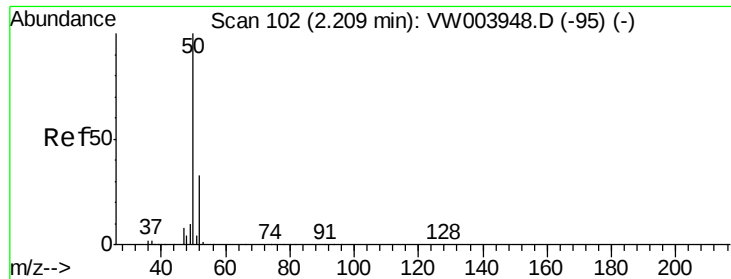
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 49.97 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 102236

Ion Ratio Lower Upper

50 100

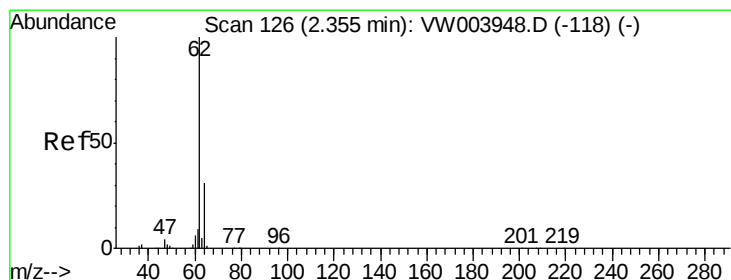
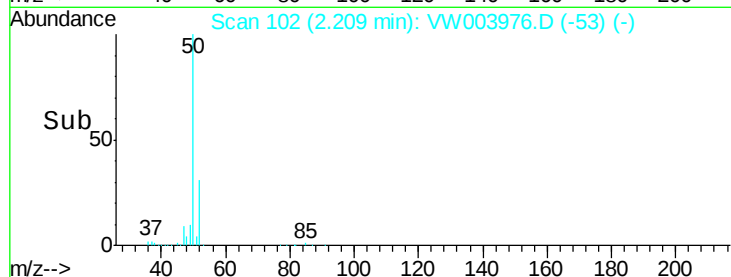
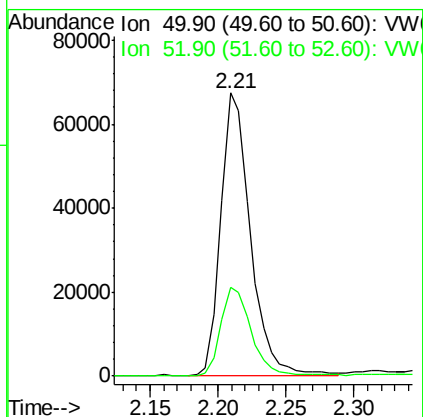
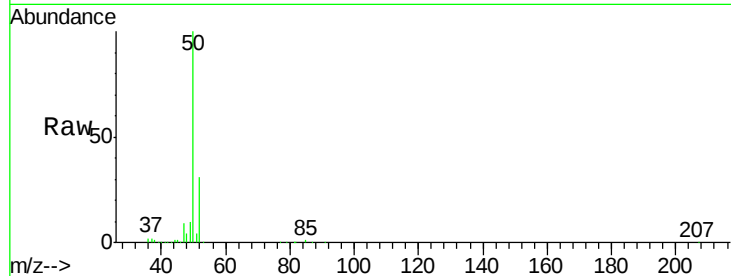
52 31.4 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.06 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003976.D

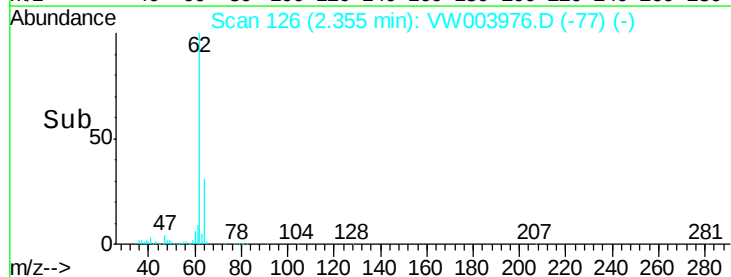
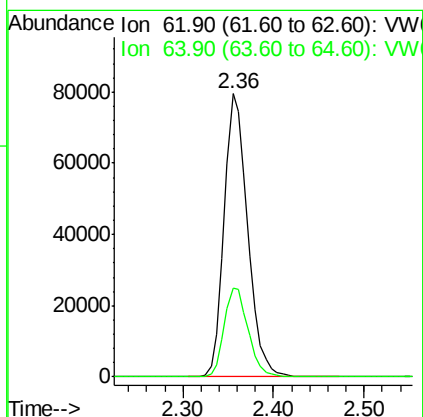
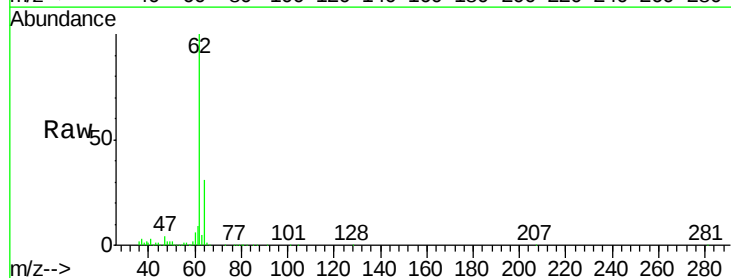
Acq: 17 Jul 2018 11:02

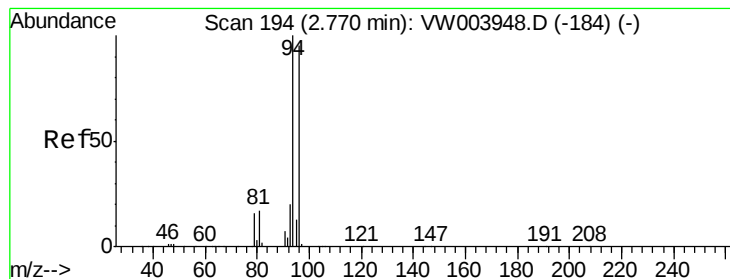
Tgt Ion: 62 Resp: 143672

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 48.15 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84688

Ion Ratio Lower Upper

94 100

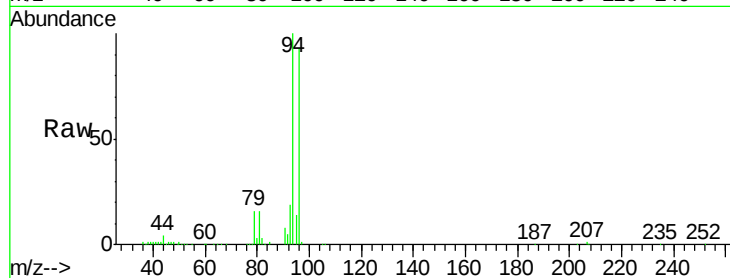
96 92.2 75.8 113.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

40000

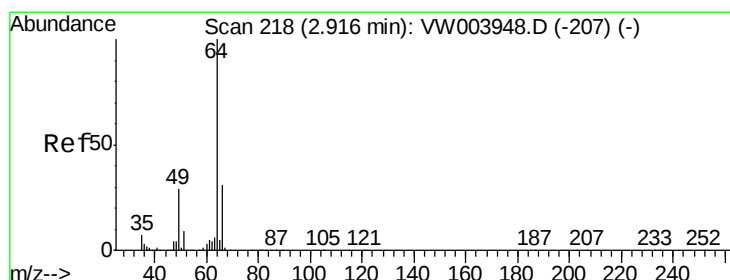
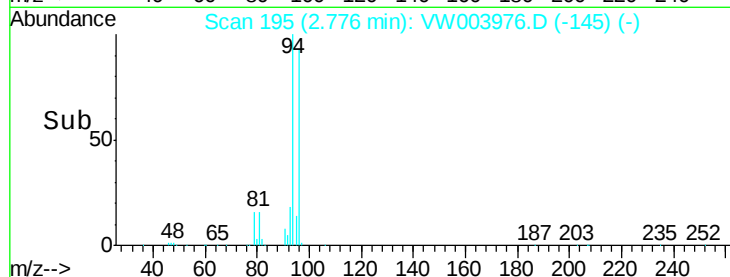
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.73 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003976.D

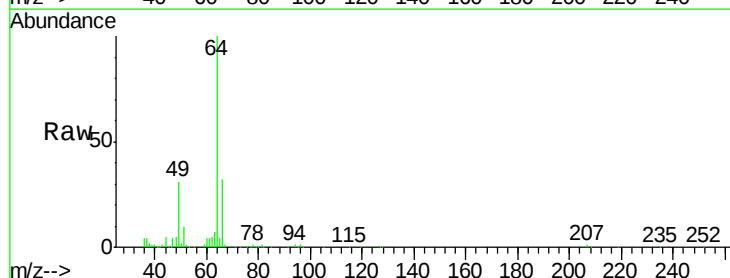
Acq: 17 Jul 2018 11:02

Tgt Ion: 64 Resp: 77912

Ion Ratio Lower Upper

64 100

66 32.1 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

30000

25000

20000

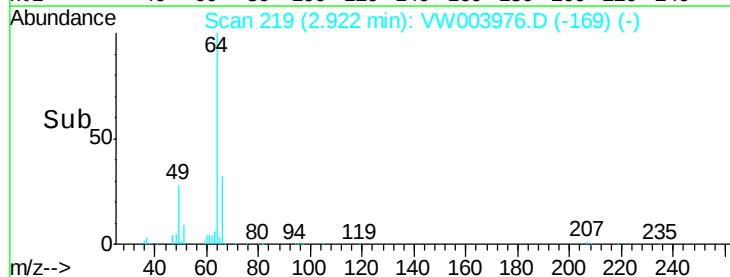
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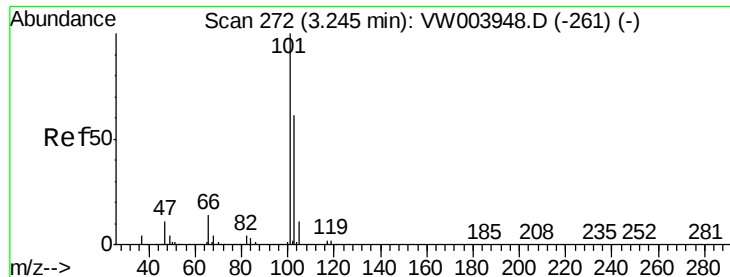
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0

Time-->





#7

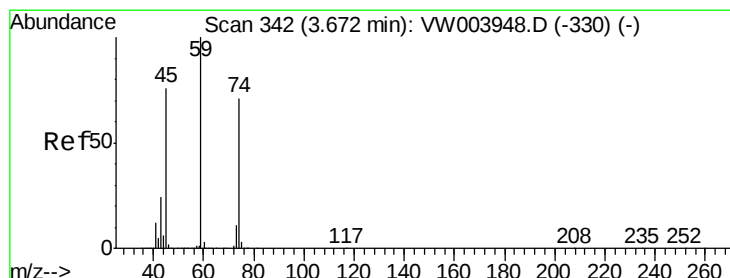
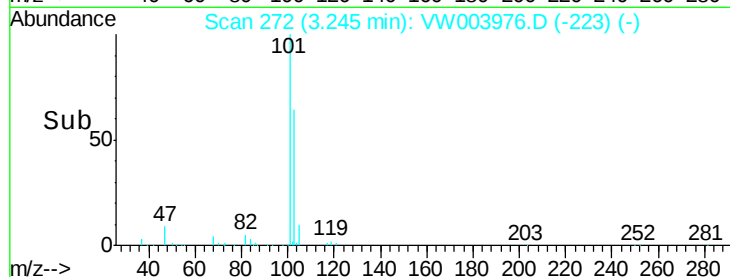
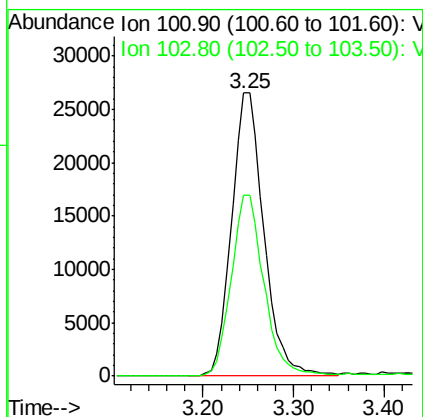
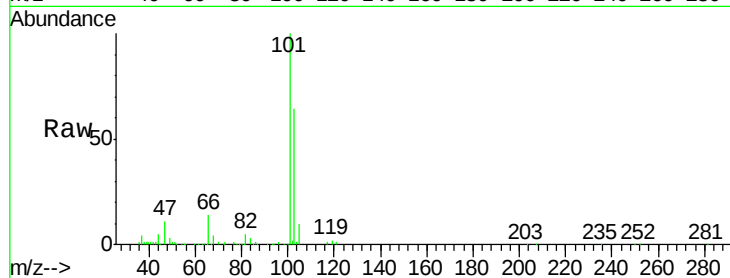
Trichlorofluoromethane
 Concen: 55.51 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	49.0	73.6

Manual Integrations
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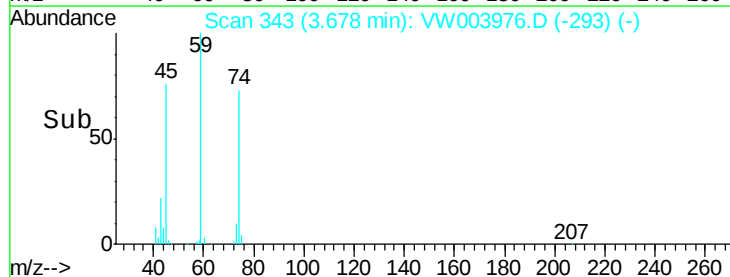
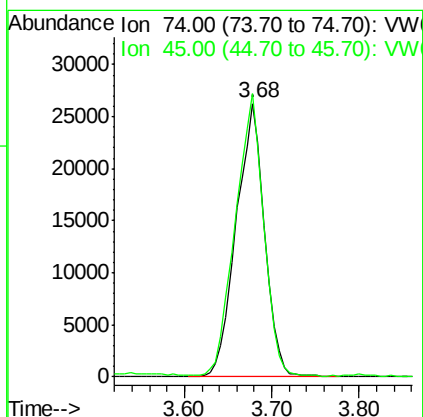
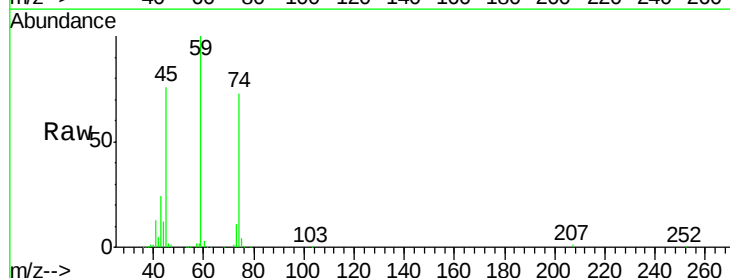
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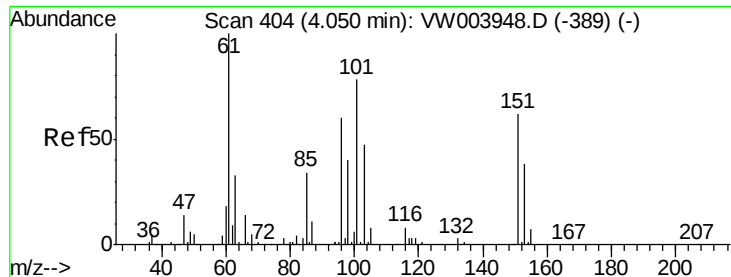


#8

Diethyl Ether
 Concen: 43.07 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.43 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003976.D

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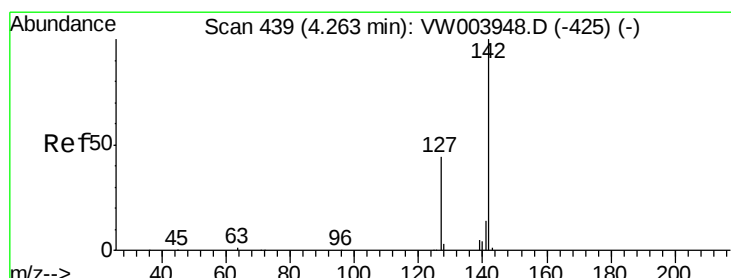
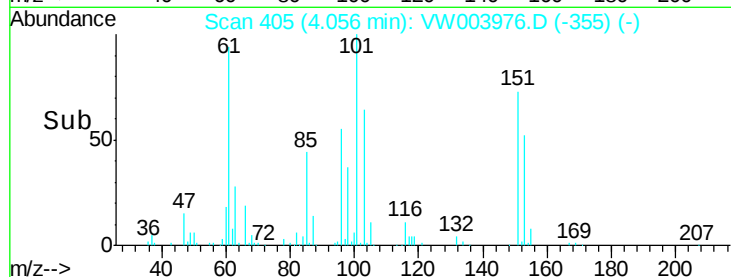
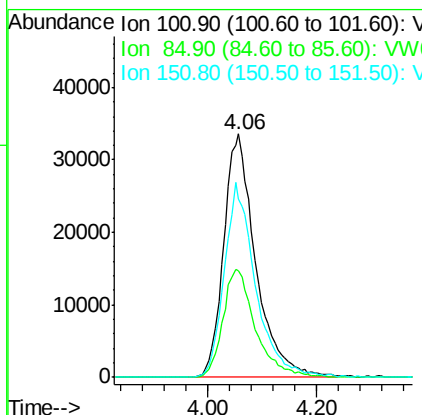
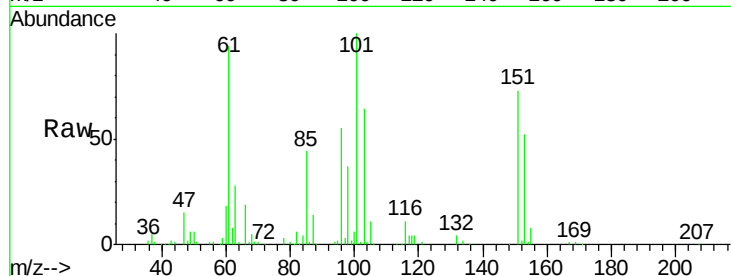
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	137484
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.6
151	78.0	63.6	95.4

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#10

Methyl Iodide

Concen: 50.73 ug/l

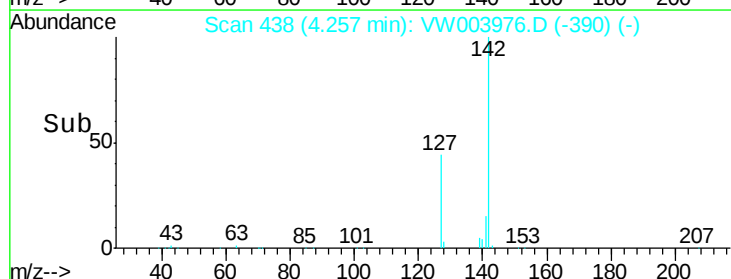
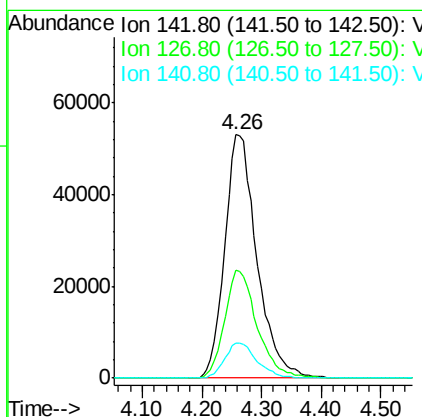
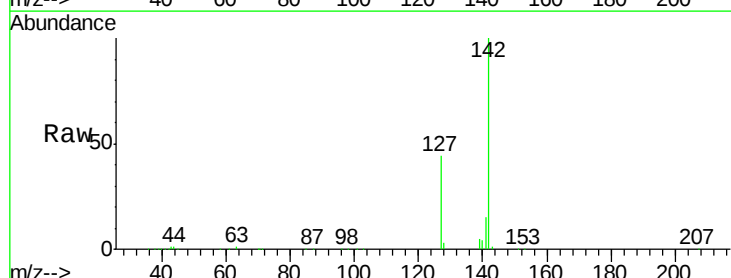
RT: 4.26 min Scan# 438

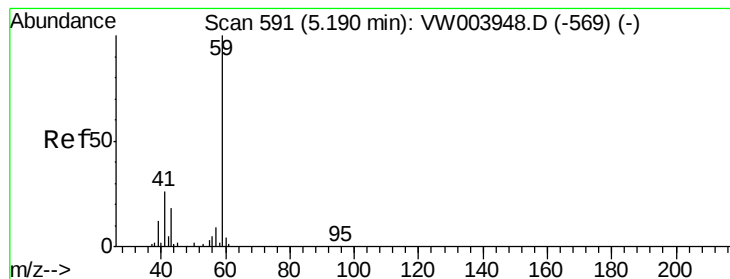
Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	142	Resp:	198623
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.4	53.2
141	14.6	11.7	17.5





#11

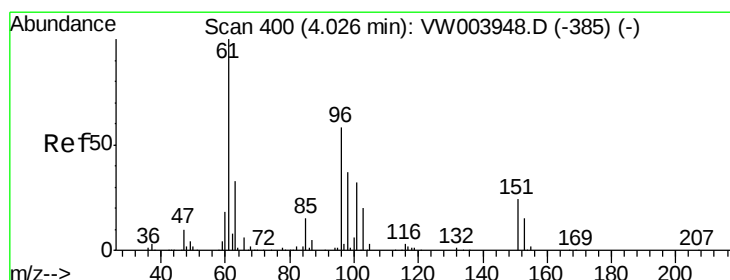
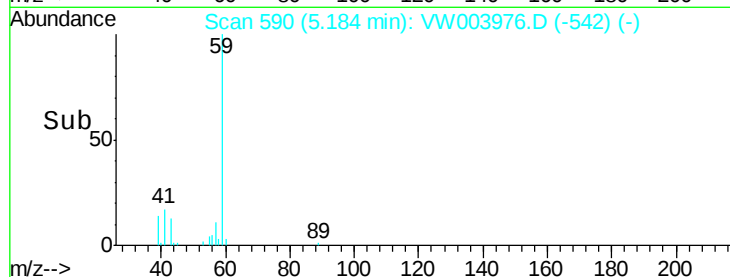
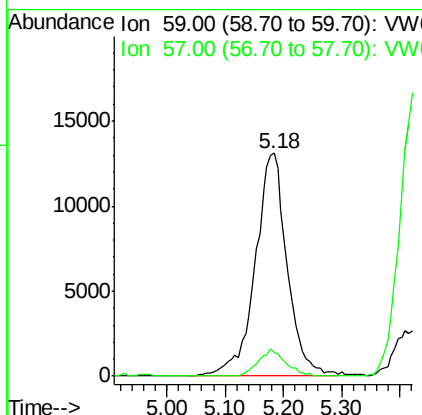
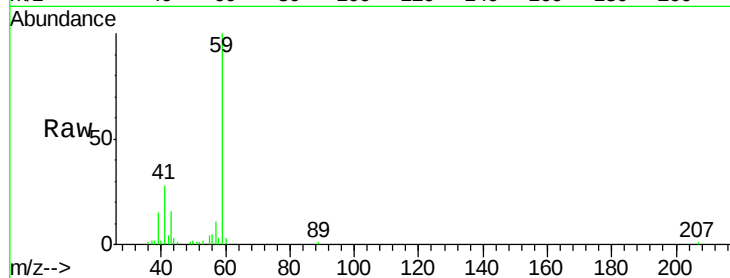
Tert butyl alcohol
Concen: 233.76 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	49926
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

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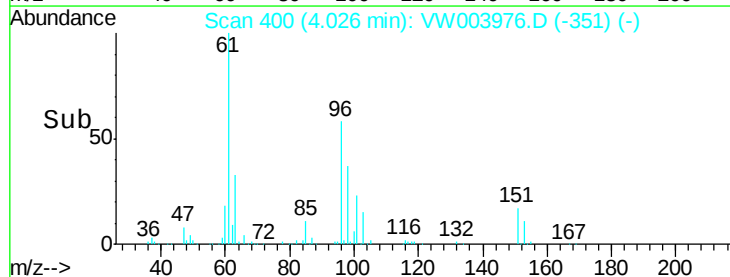
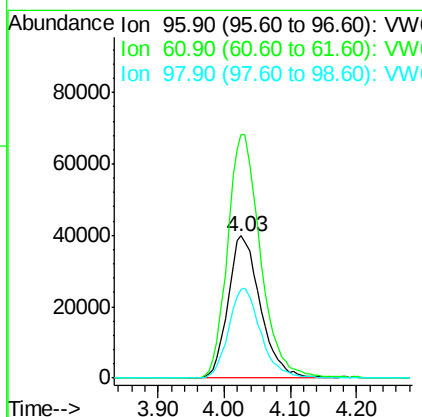
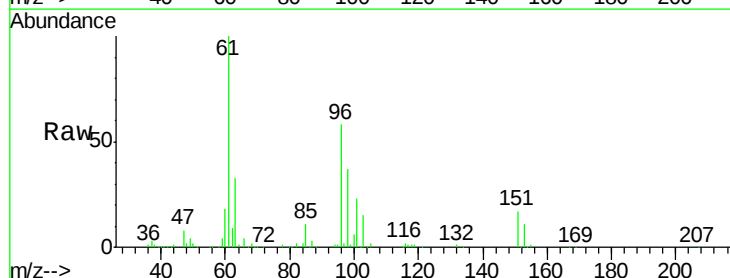
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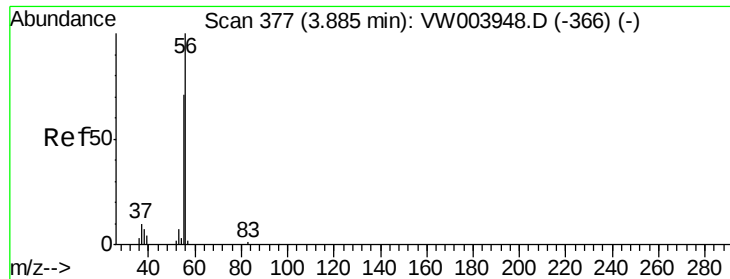


#12

1,1-Dichloroethene
Concen: 50.34 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	96	Resp	135395
Ion Ratio	100	Lower	Upper
61	171.2	137.0	205.6
98	62.8	50.2	75.4





#13

Acrolein

Concen: 239.45 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52547

Ion Ratio Lower Upper

56 100

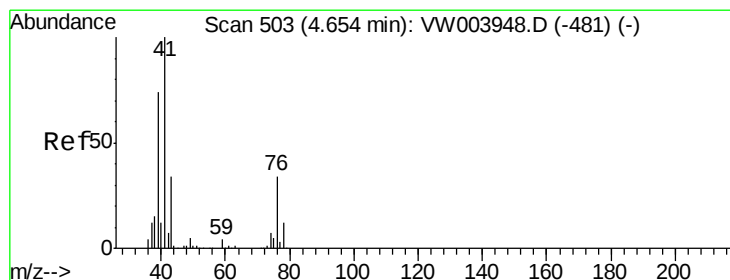
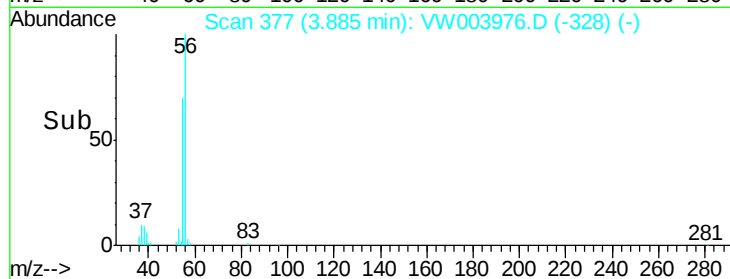
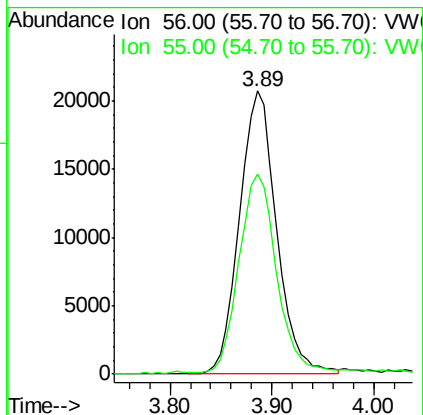
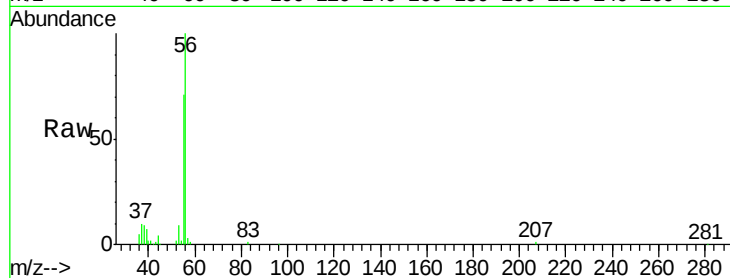
55 70.4 58.2 87.4

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#14

Allyl chloride

Concen: 52.54 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

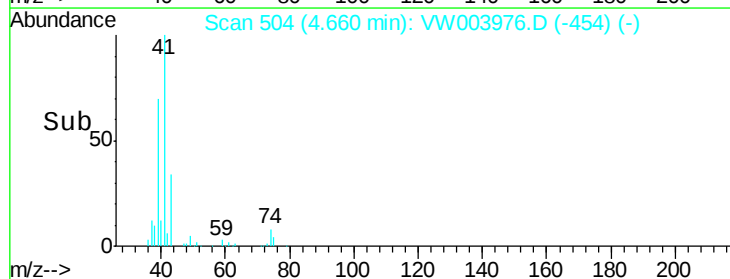
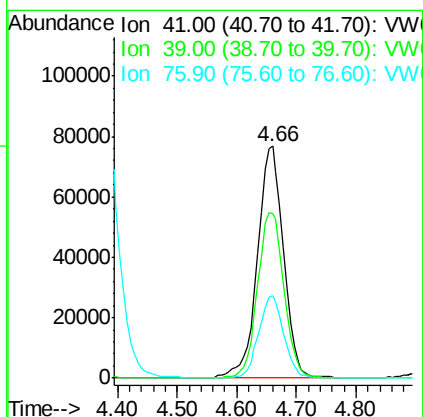
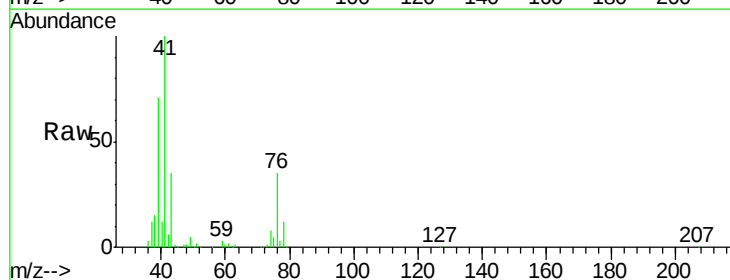
Tgt Ion: 41 Resp: 233266

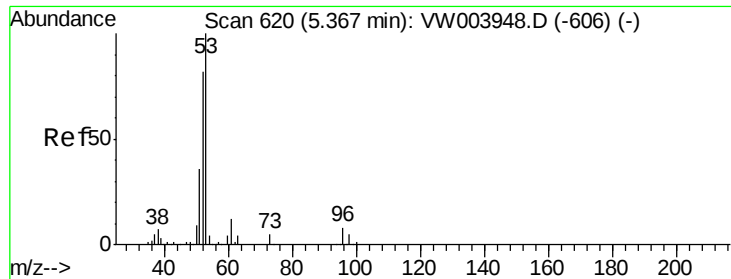
Ion Ratio Lower Upper

41 100

39 72.5 57.0 85.4

76 33.9 26.5 39.7





#15

Acrylonitrile

Concen: 238.28 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

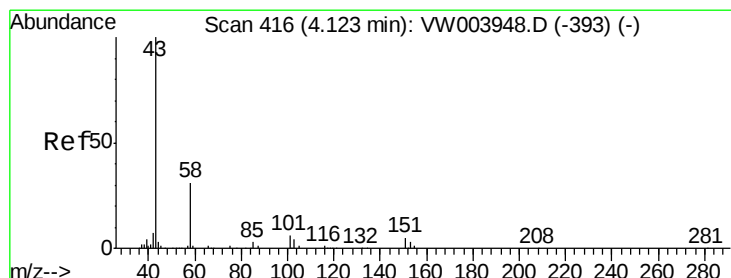
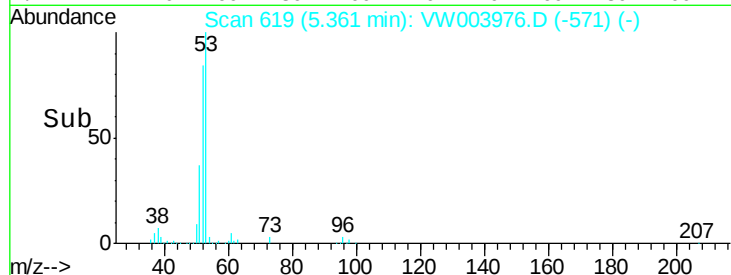
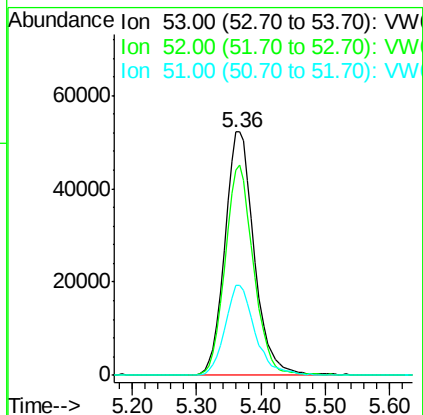
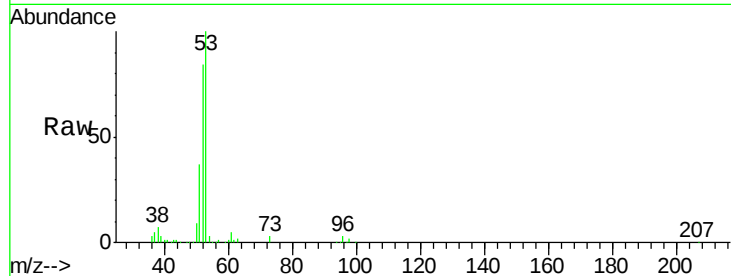
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	167436
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.1	99.1
51	37.8	29.8	44.6

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#16

Acetone

Concen: 280.92 ug/l

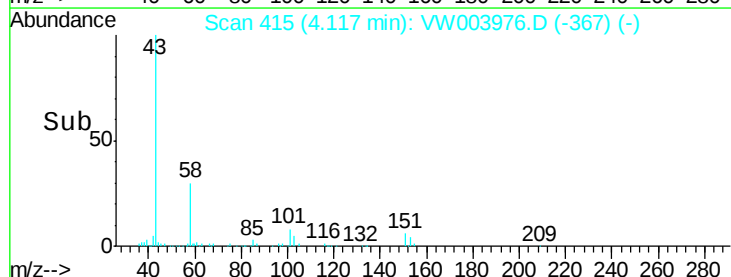
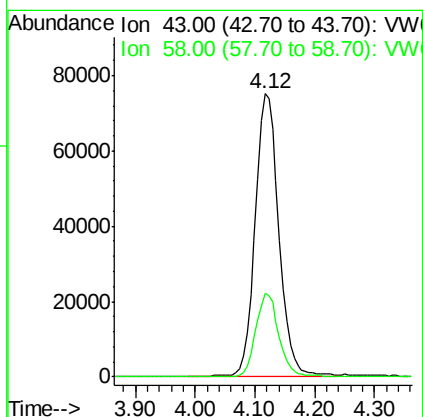
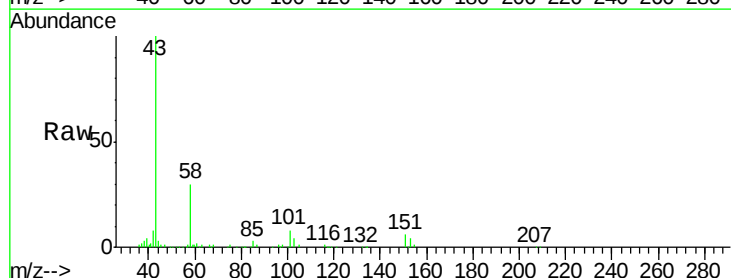
RT: 4.12 min Scan# 415

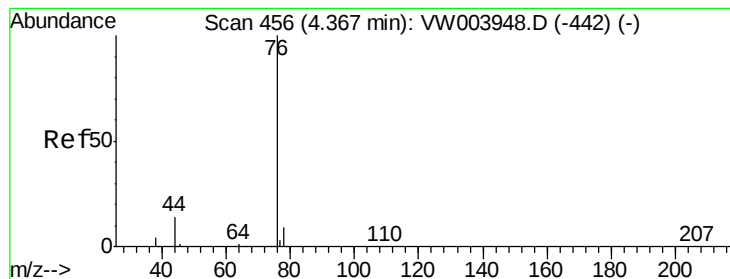
Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	43	Resp:	208850
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.5	36.7





#17

Carbon Disulfide

Concen: 51.91 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 435841

Ion Ratio Lower Upper

76 100

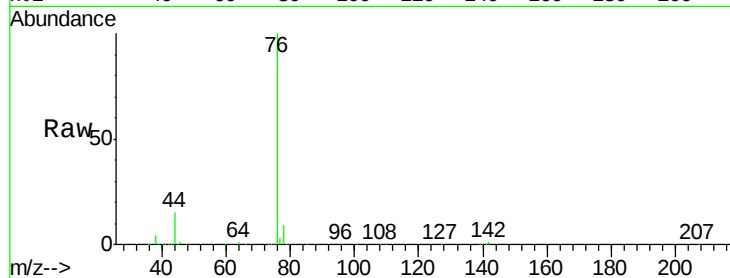
78 9.0 7.1 10.7

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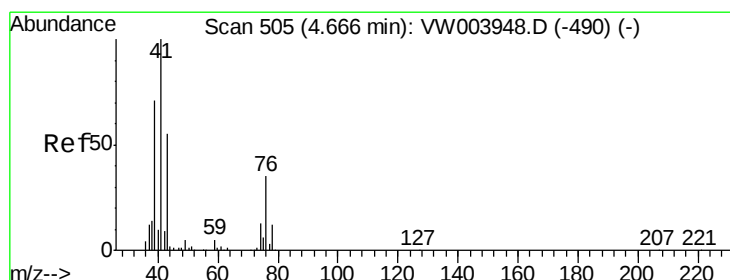
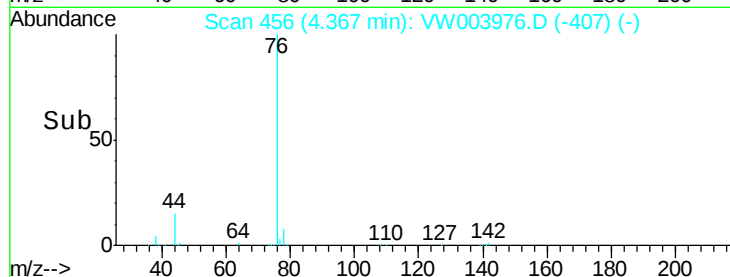
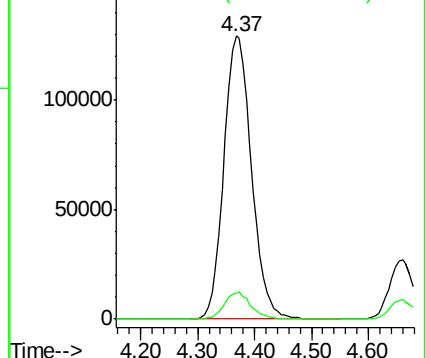
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 46.80 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003976.D

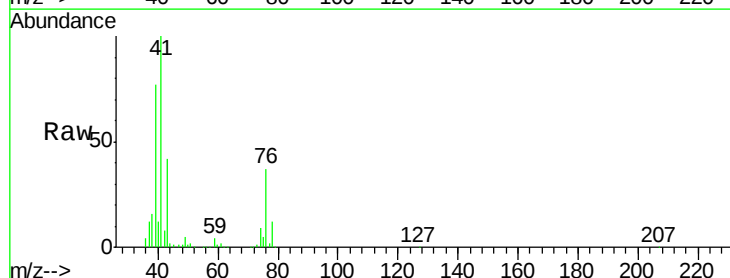
Acq: 17 Jul 2018 11:02

Tgt Ion: 43 Resp: 83522

Ion Ratio Lower Upper

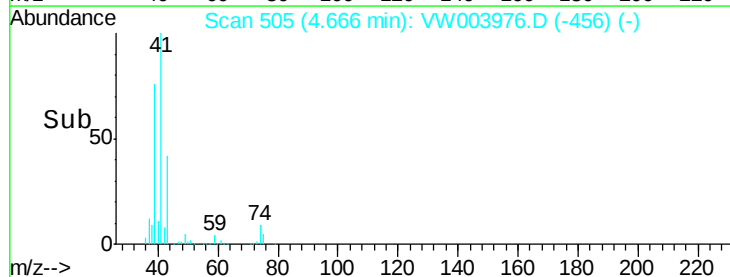
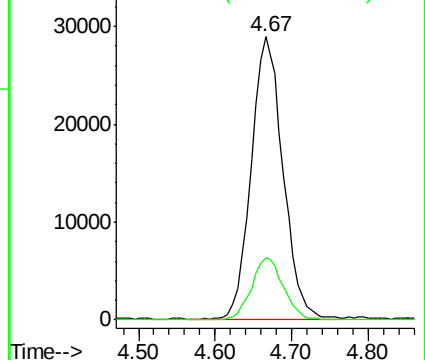
43 100

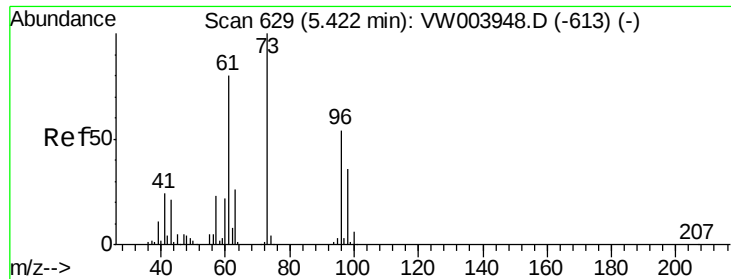
74 21.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





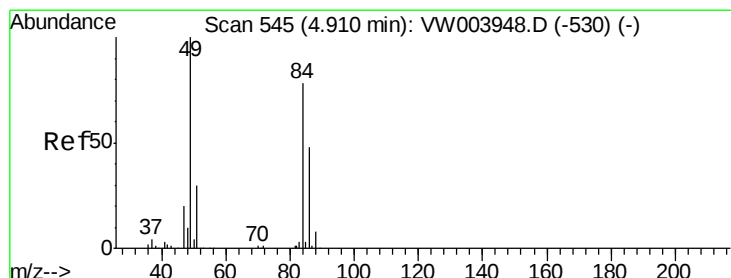
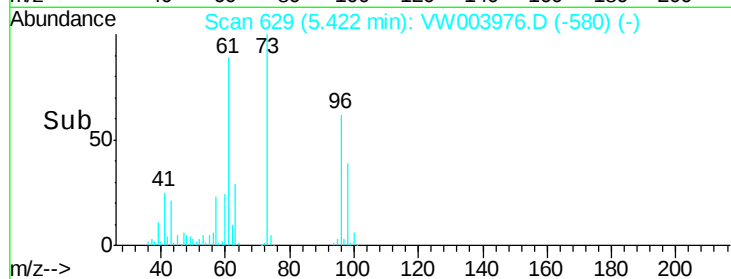
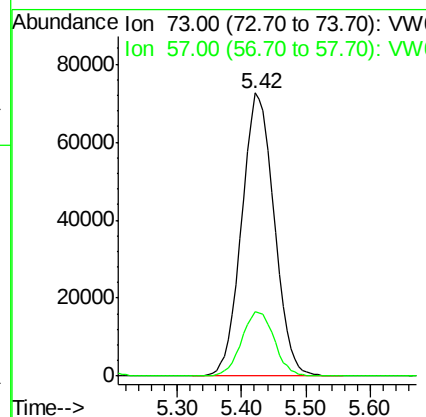
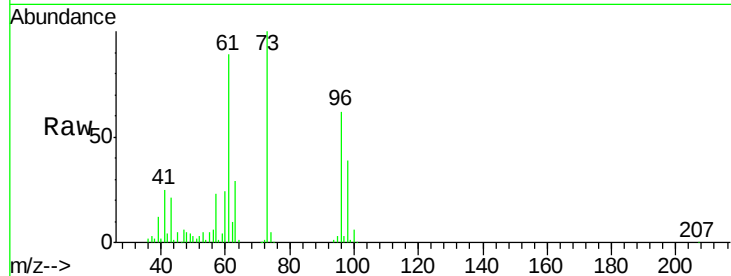
#19
Methvl tert-butvl Ether
Concen: 49.13 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.4

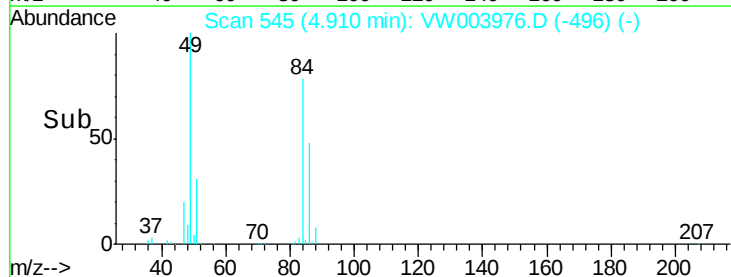
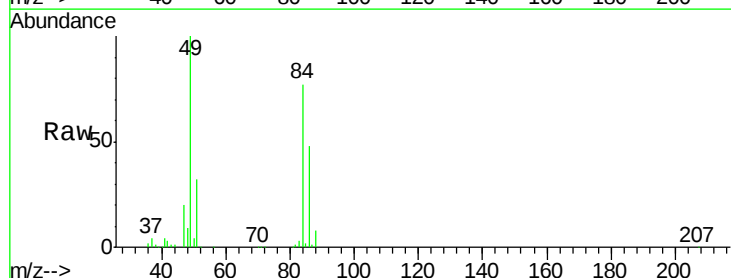
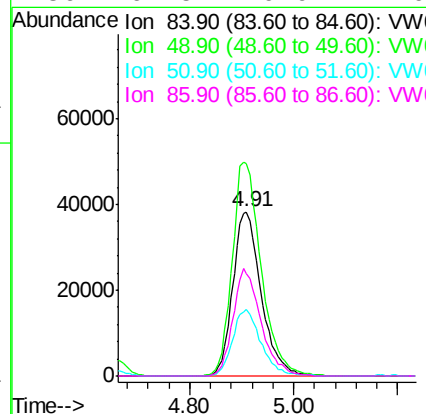
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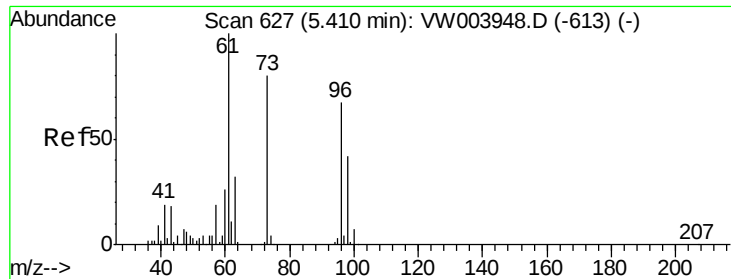
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#20
Methylene Chloride
Concen: 43.49 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.7	102.9	154.3
51	40.9	30.9	46.3
86	62.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 49.73 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

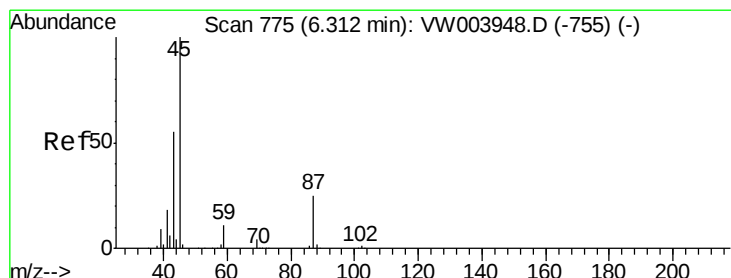
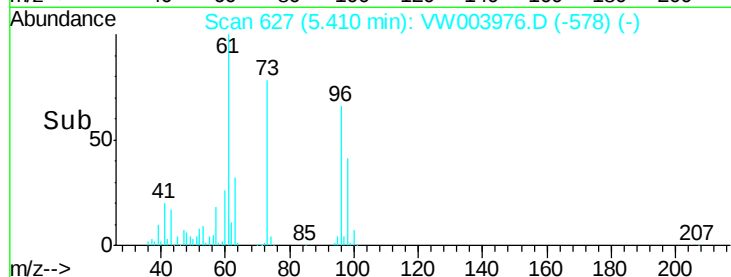
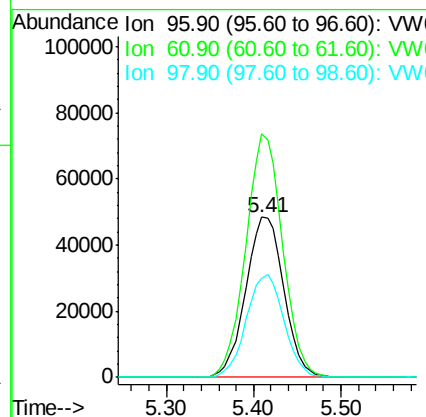
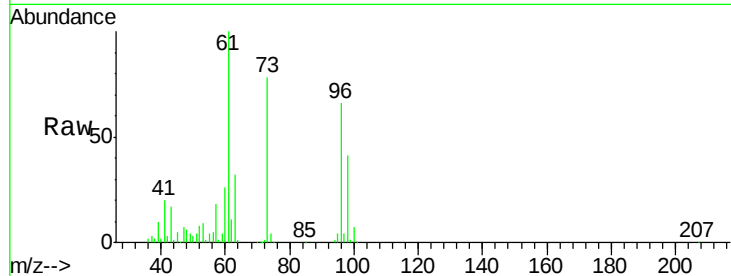
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	146632
Ion	Ratio	Lower	Upper
96	100		
61	152.3	119.0	178.4
98	62.1	49.9	74.9

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#22

Diisopropyl ether

Concen: 51.32 ug/l

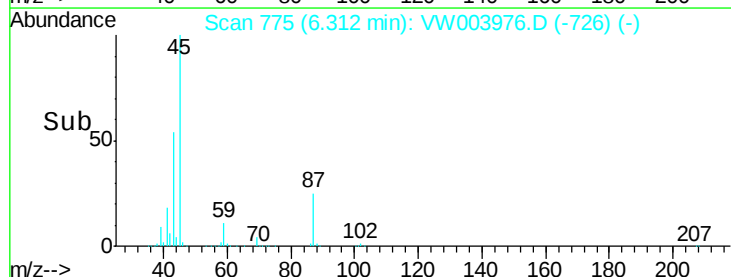
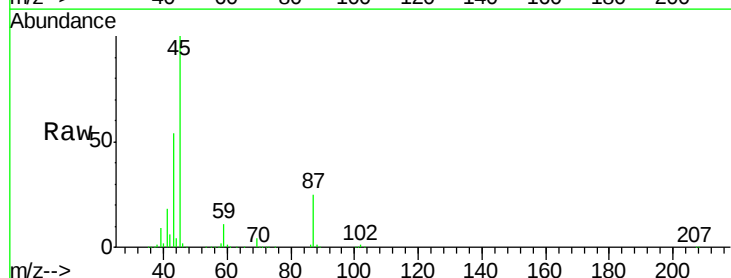
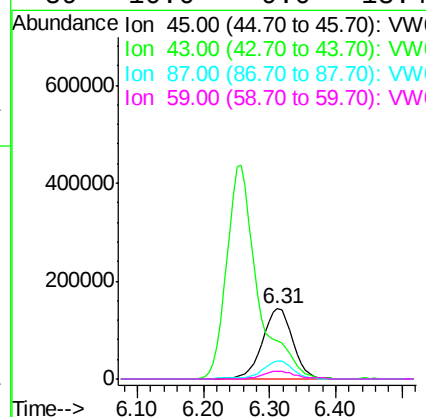
RT: 6.31 min Scan# 775

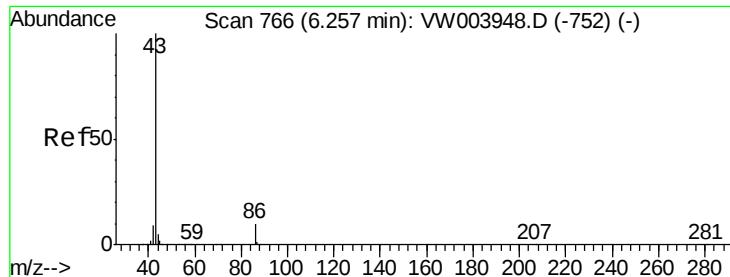
Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	45	Resp:	460490
Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.3	66.5
87	25.2	20.2	30.4
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 248.42 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1412388

Ion Ratio Lower Upper

43 100

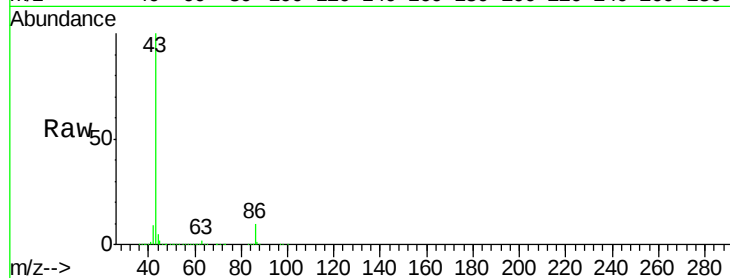
86 9.6 7.6 11.4

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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

500000

400000

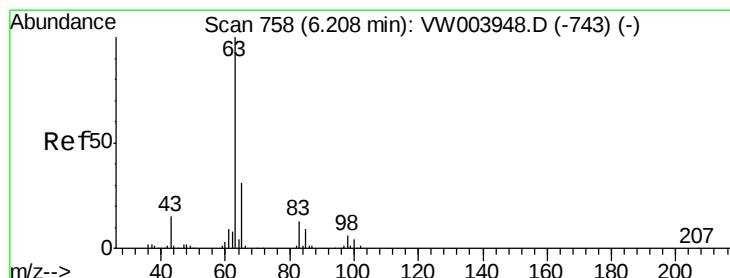
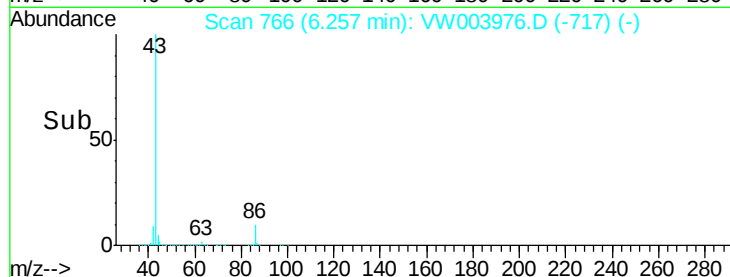
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.41 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

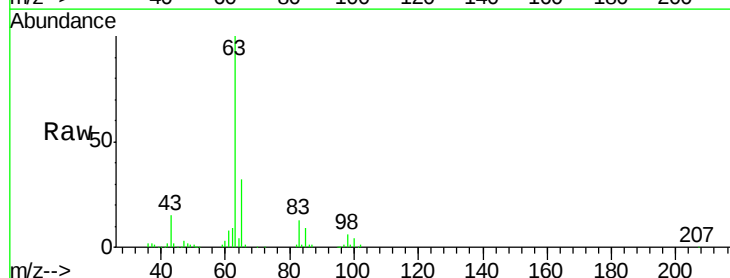
Tgt Ion: 63 Resp: 270531

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.7 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

120000

100000

80000

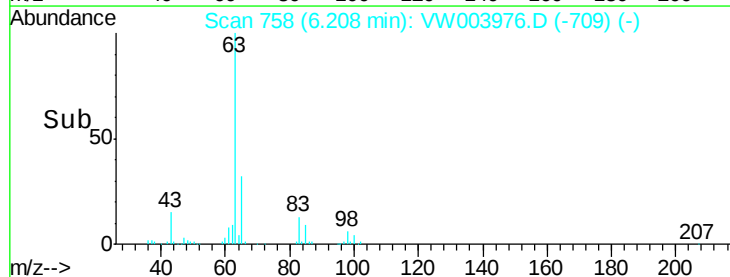
60000

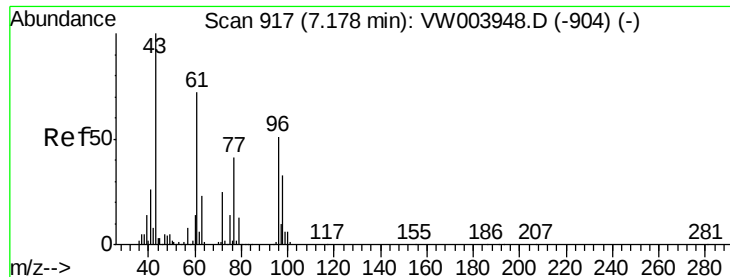
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.91 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 245022

Ion Ratio Lower Upper

43 100

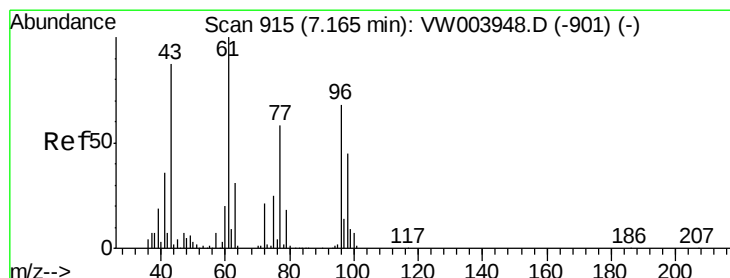
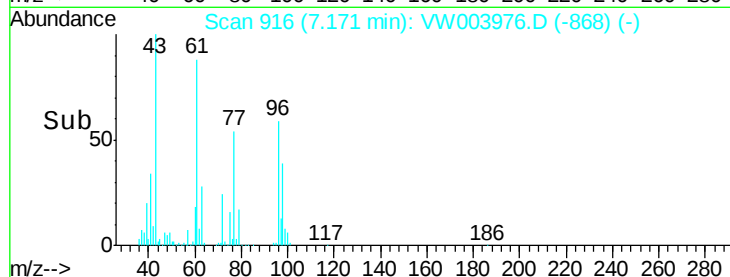
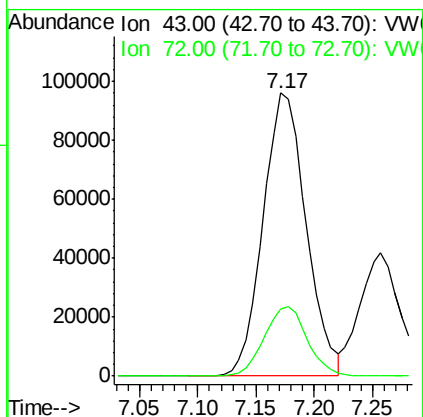
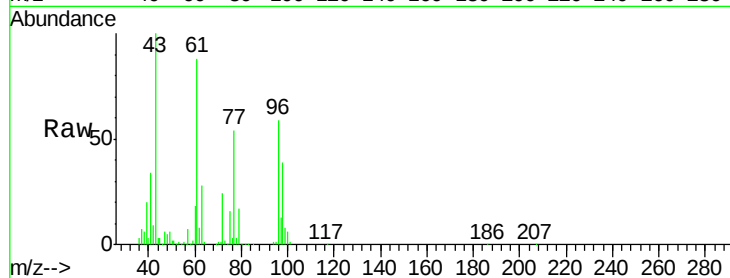
72 23.7 19.8 29.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.89 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003976.D

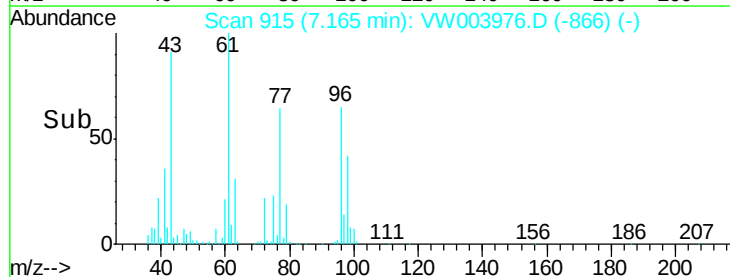
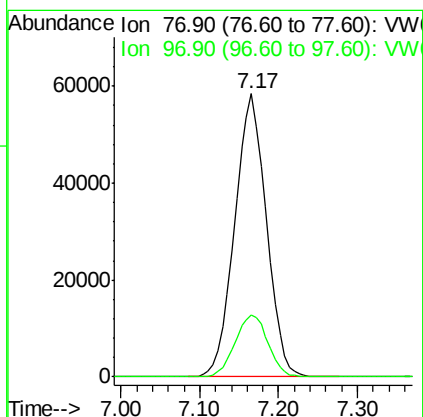
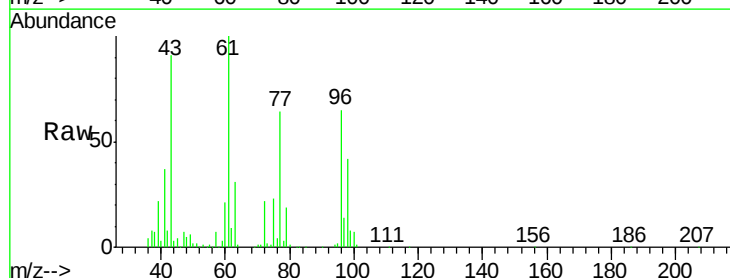
Acq: 17 Jul 2018 11:02

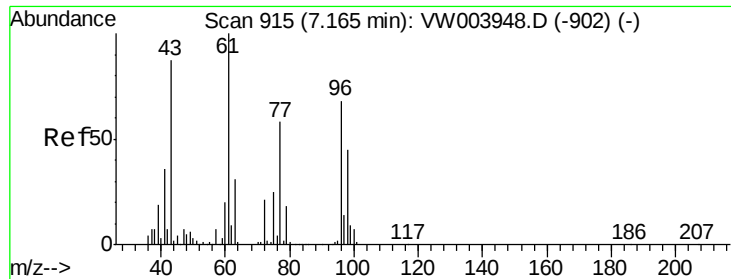
Tgt Ion: 77 Resp: 163082

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.3





#27

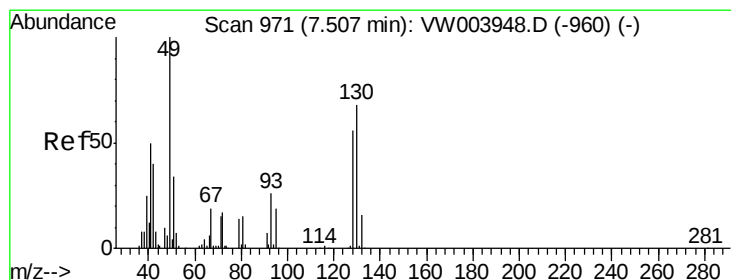
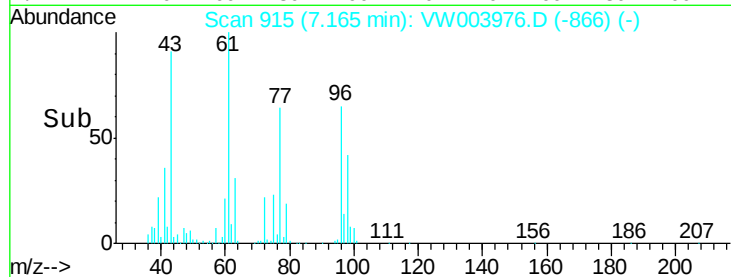
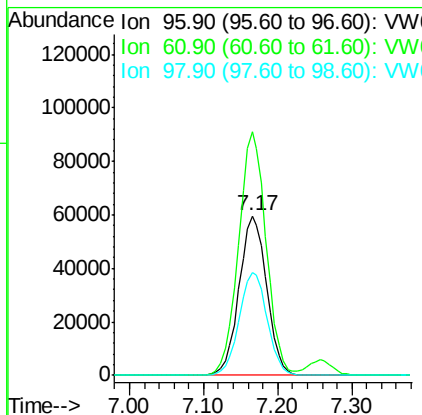
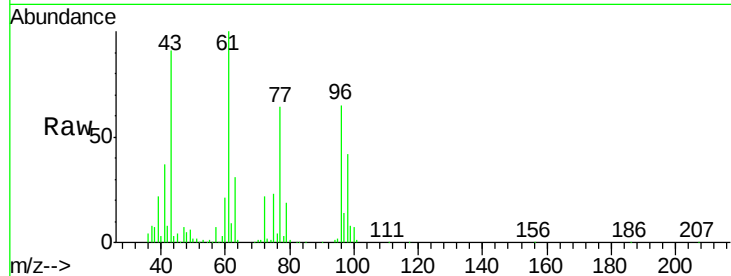
cis-1,2-Dichloroethene
 Concen: 48.62 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154983		
61	151.9	0.0	298.6	
98	65.6	0.0	130.4	

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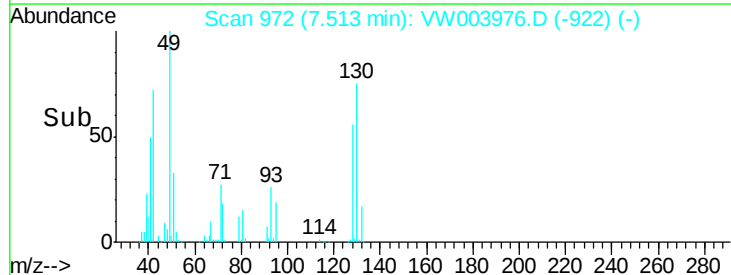
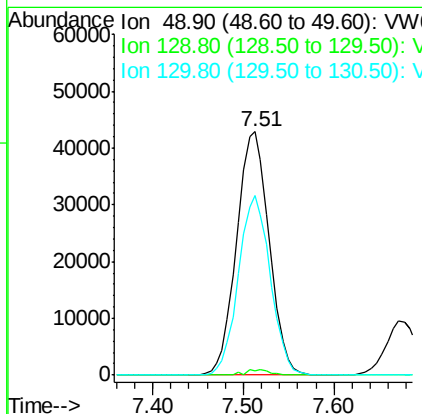
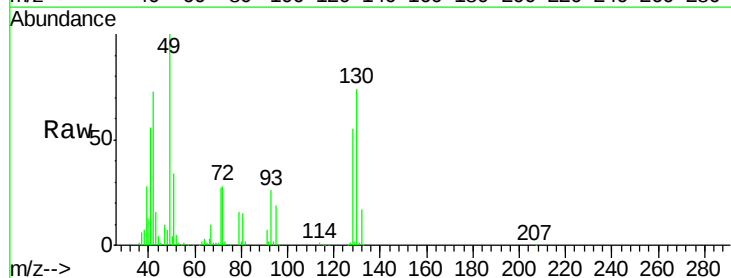
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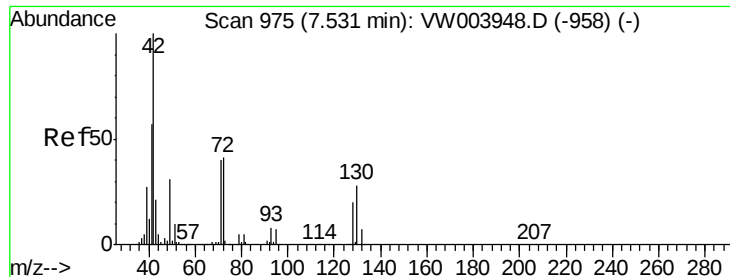


#28

Bromochloromethane
 Concen: 47.76 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107015		
129	1.6	0.0	2.2	
130	72.1	58.3	87.5	





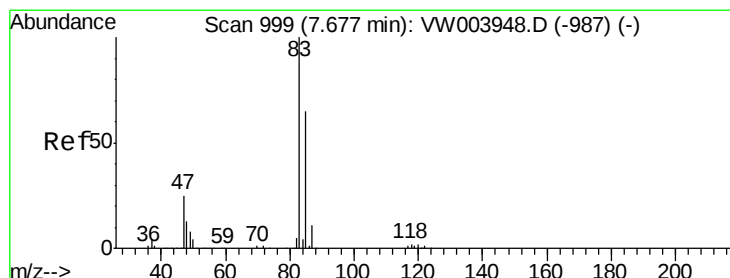
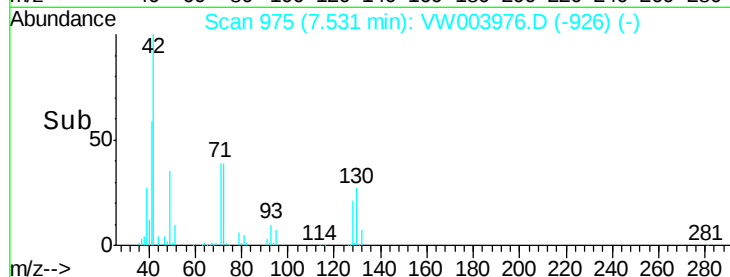
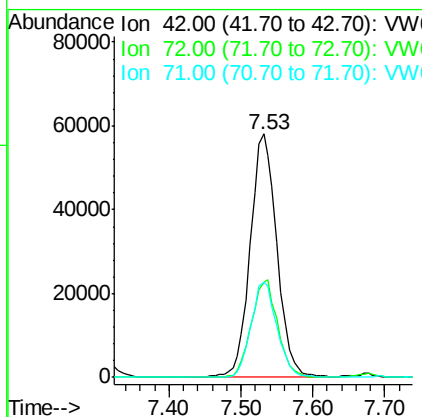
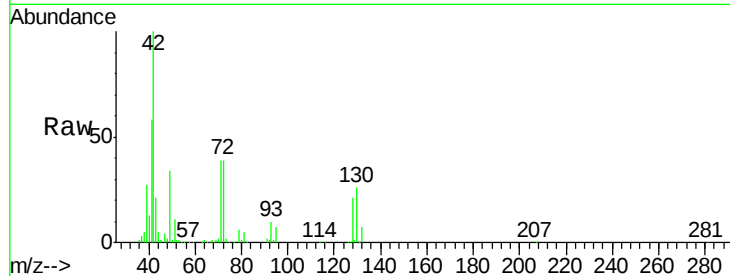
#29
Tetrahydrofuran
Concen: 238.89 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.6	48.8
71	38.3	30.5	45.7

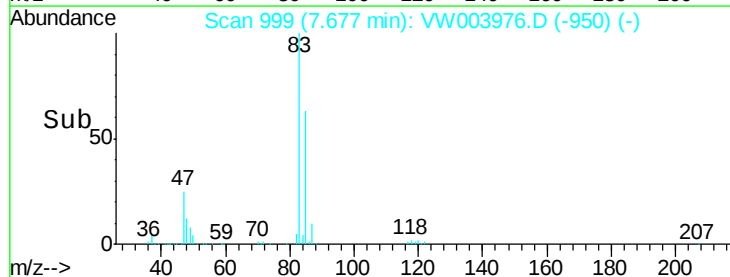
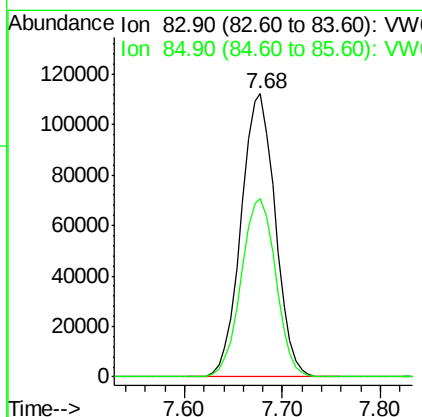
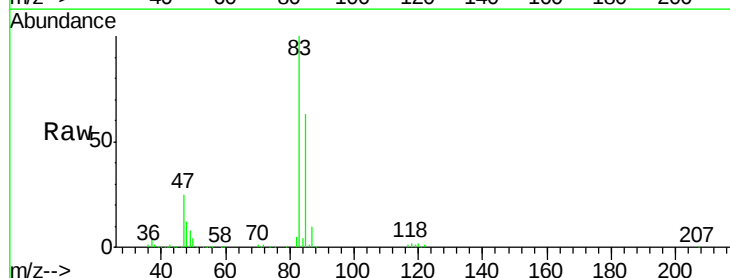
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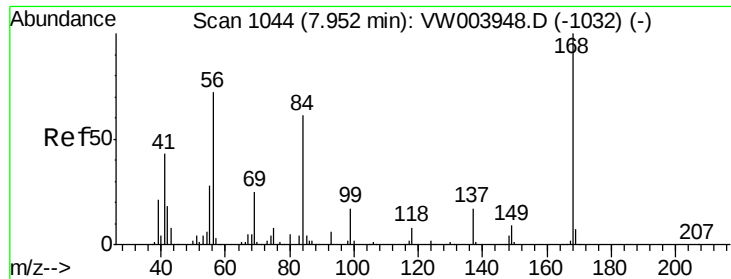
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#30
Chloroform
Concen: 49.96 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.2	78.4





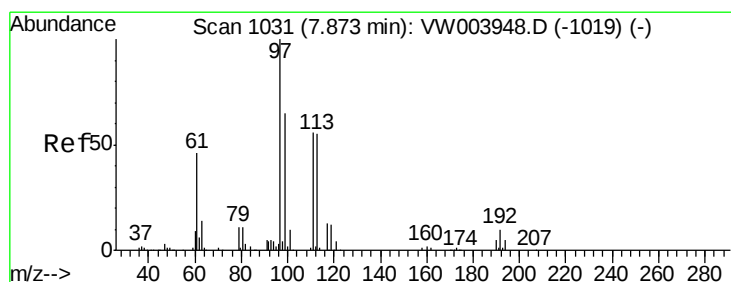
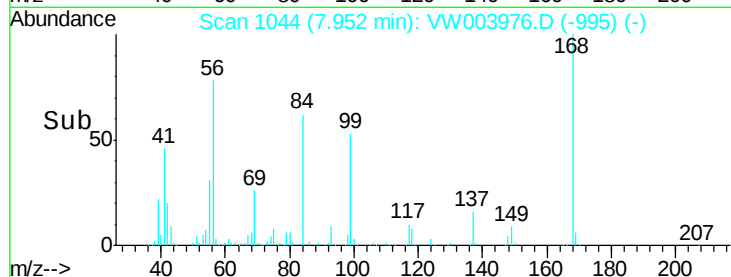
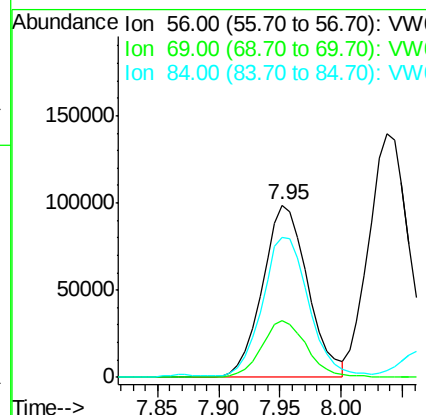
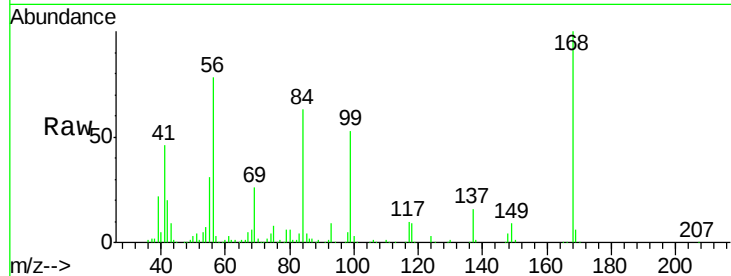
#31
Cyclohexane
Concen: 49.70 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.8	41.8
84	80.1	67.2	100.8

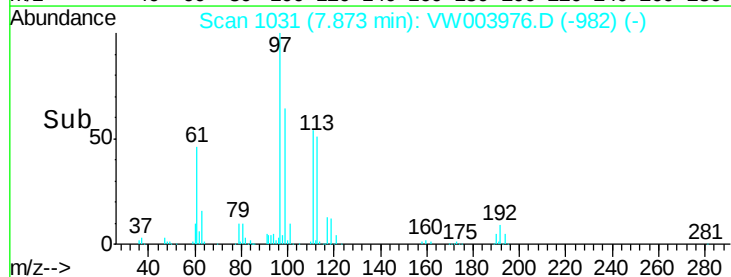
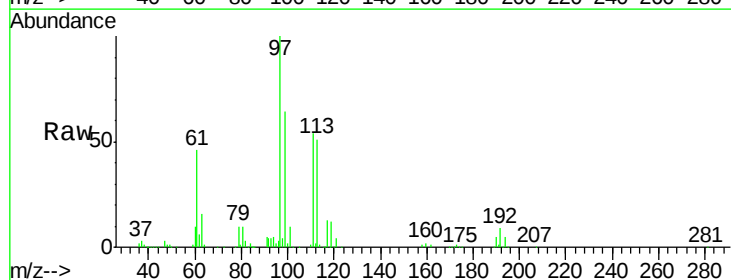
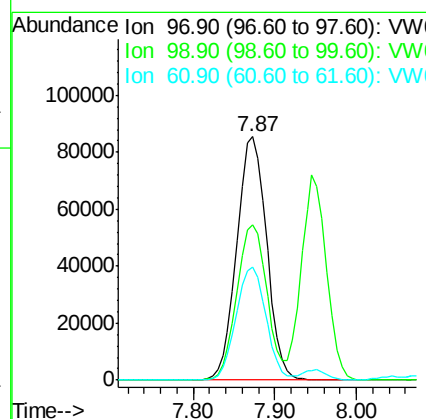
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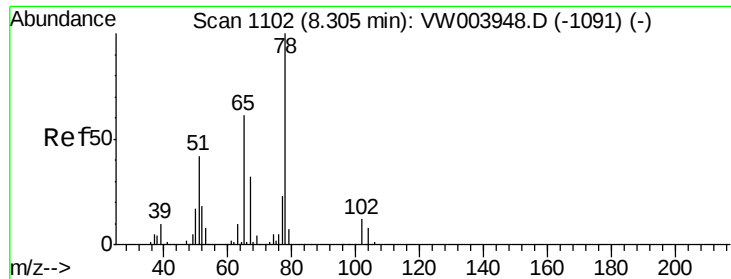
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#32
1,1,1-Trichloroethane
Concen: 50.72 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	46.7	36.8	55.2





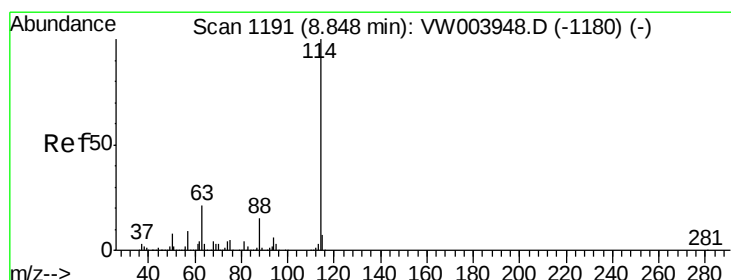
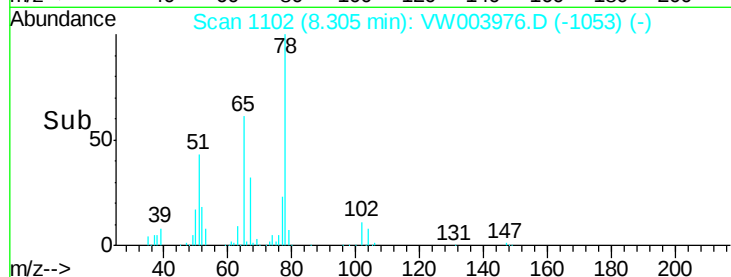
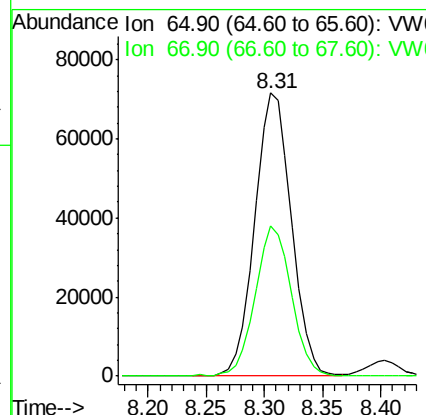
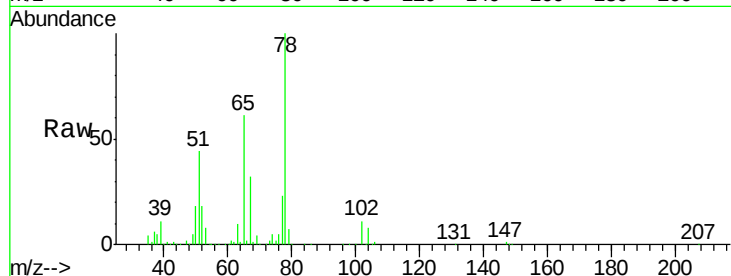
#33
 1,2-Dichloroethane-d4
 Concen: 50.81 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157210		
67	52.4	0.0	105.0	

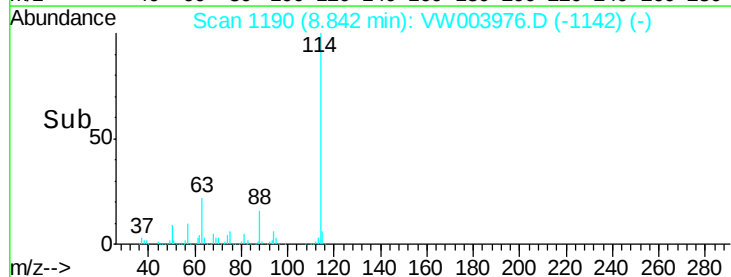
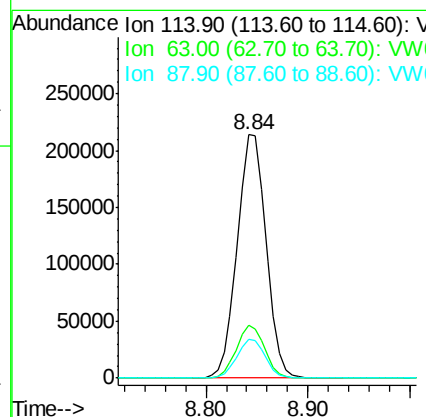
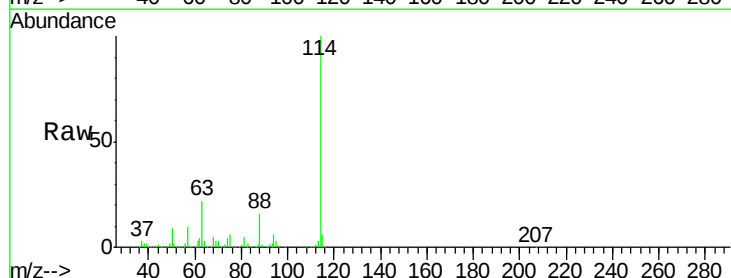
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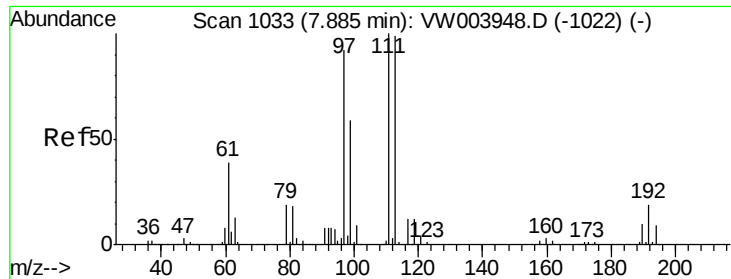
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419327		
63	21.8	0.0	42.8	
88	15.7	0.0	30.4	





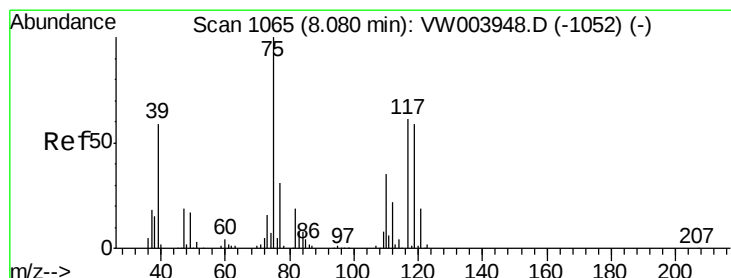
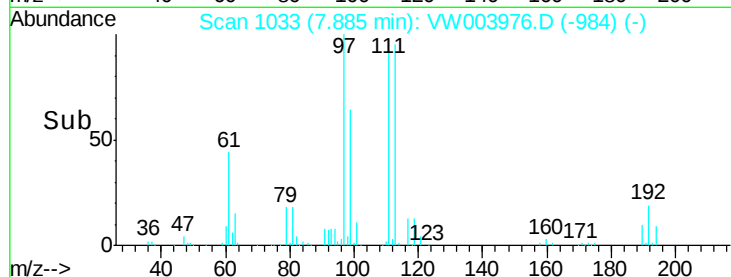
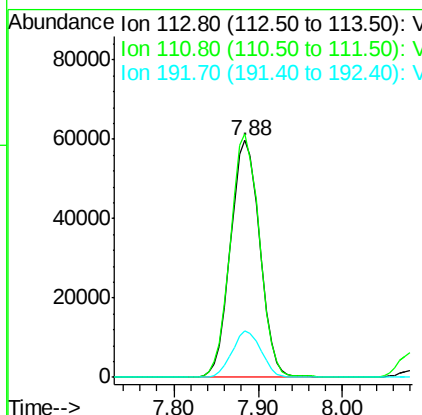
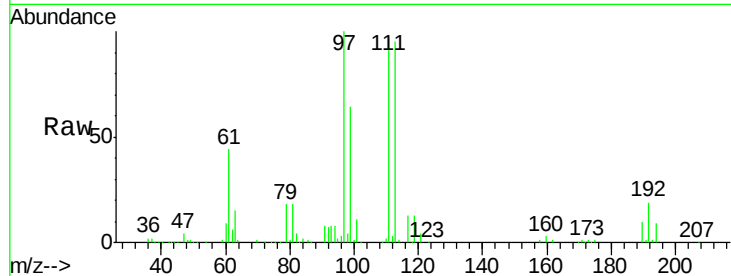
#35
 Dibromofluoromethane
 Concen: 52.28 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140669		
111	102.1	81.3	121.9	
192	19.6	15.8	23.6	

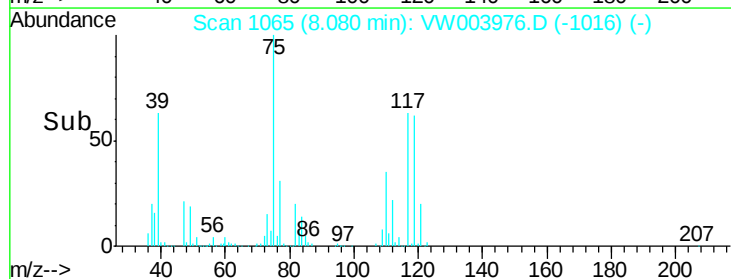
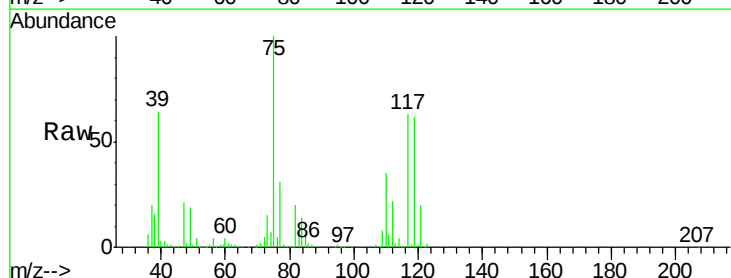
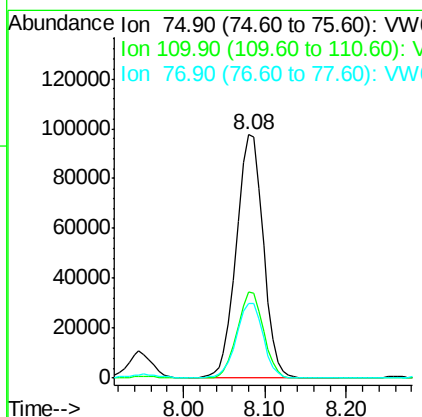
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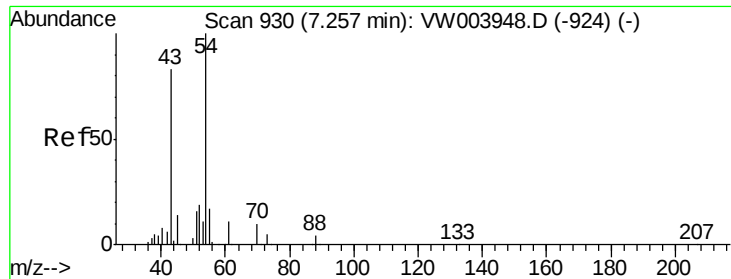
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#36
 1,1-Dichloropropene
 Concen: 51.75 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223270		
110	34.4	17.0	51.0	
77	30.8	24.9	37.3	





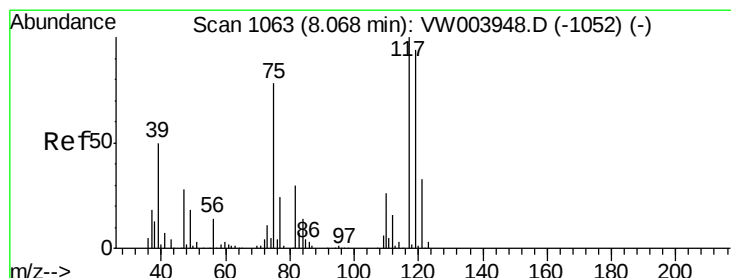
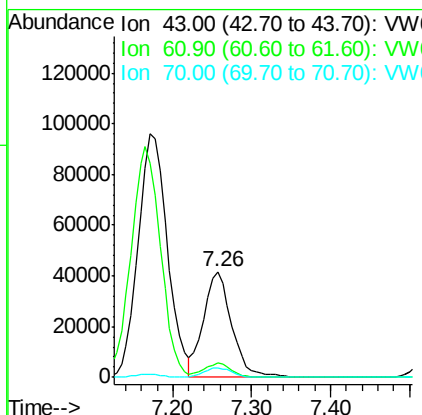
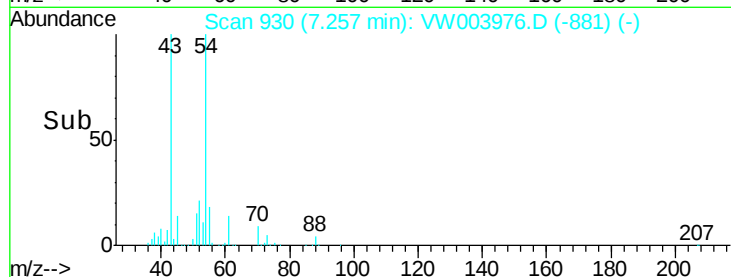
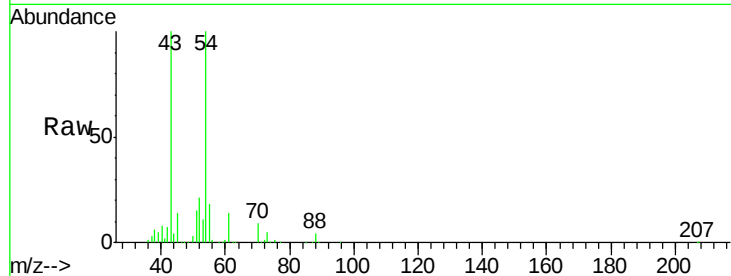
#37
Ethyl Acetate
Concen: 49.53 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	9.3	7.7	11.5

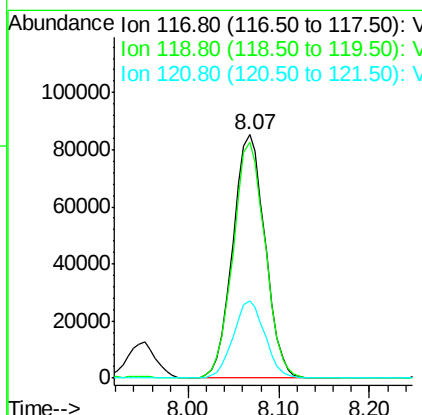
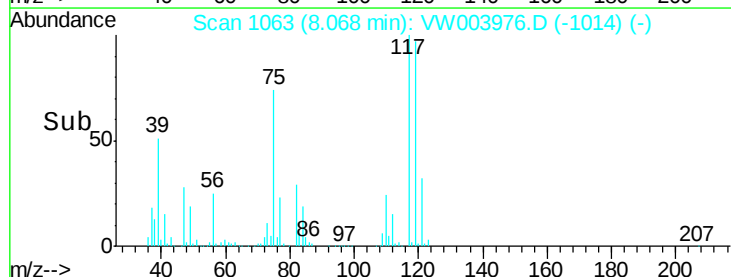
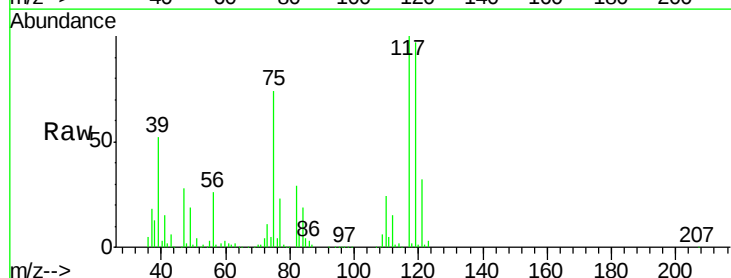
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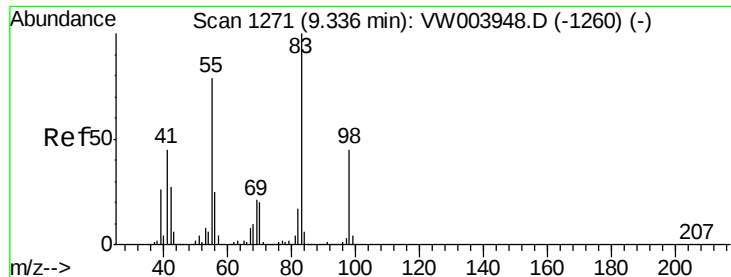
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#38
Carbon Tetrachloride
Concen: 52.25 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	31.8	26.0	39.0





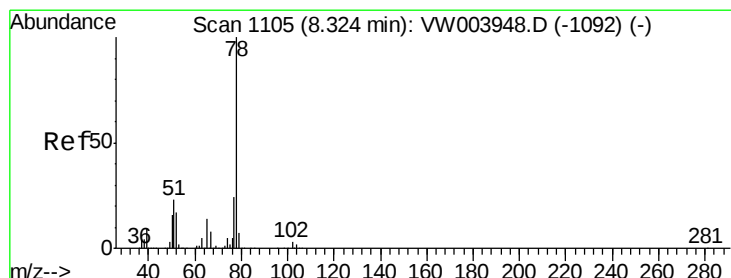
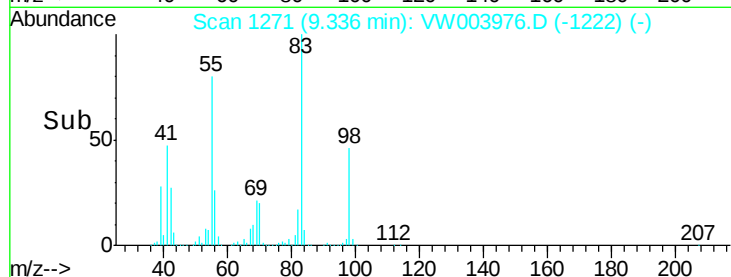
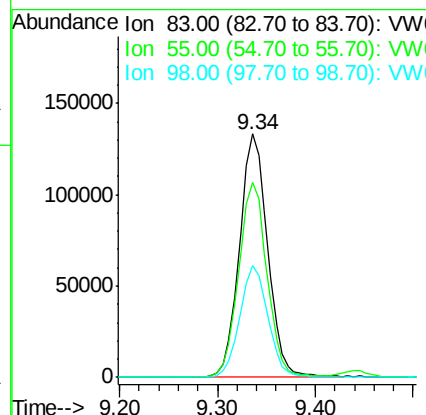
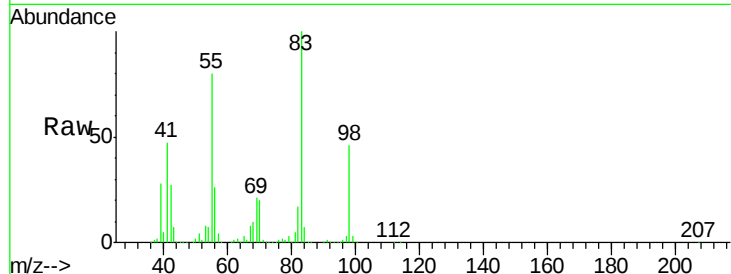
#39
Methvlcvclohexane
Concen: 52.88 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	267160		
55	80.0		62.8	94.2
98	45.9		36.2	54.4

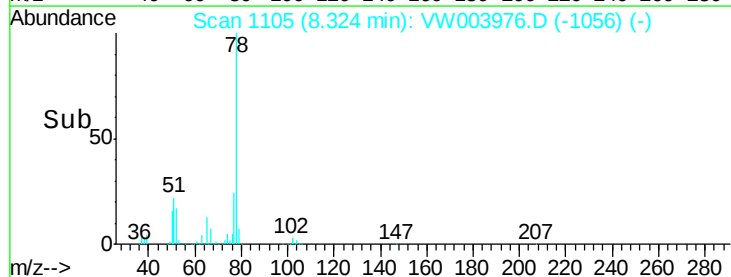
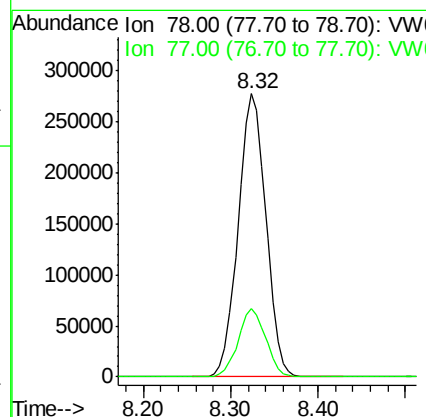
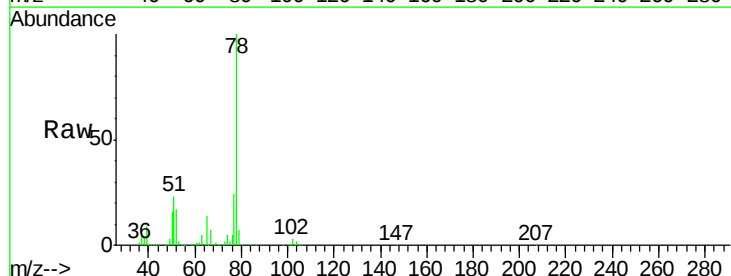
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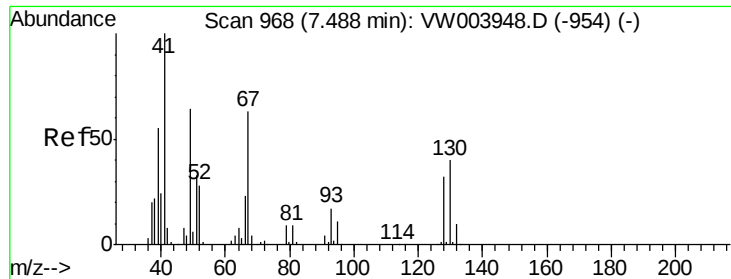
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#40
Benzene
Concen: 51.19 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	612672		
77	24.2		19.5	29.3





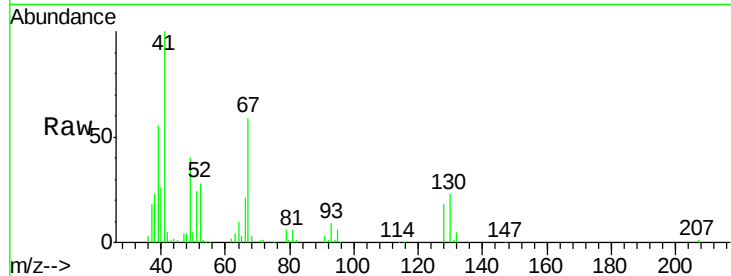
#41
Methacrylonitrile
Concen: 46.53 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

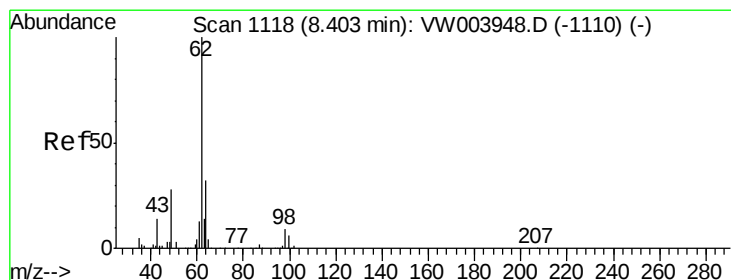
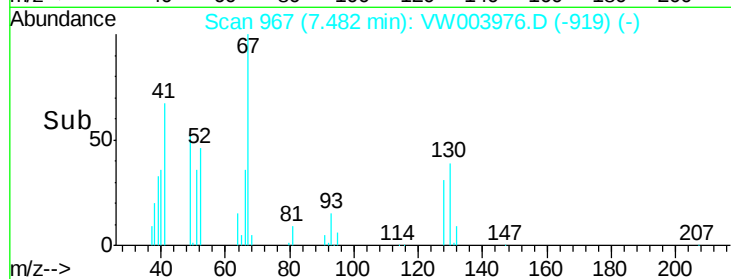
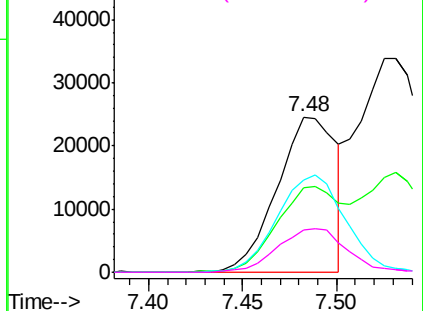
Tot Ion	41	Resp	53650
Ion Ratio	Lower	Upper	
41	100		
39	63.4	50.0	75.0
67	71.9	60.8	91.2
52	33.4	26.2	39.4

Manual Integrations
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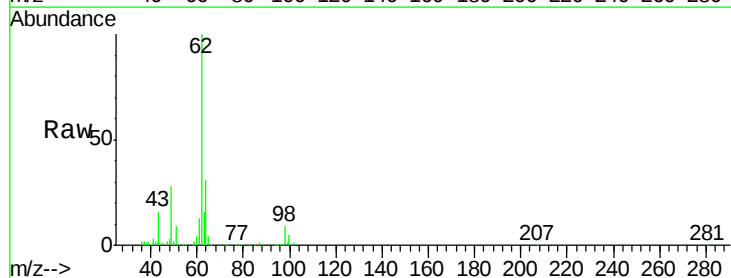


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

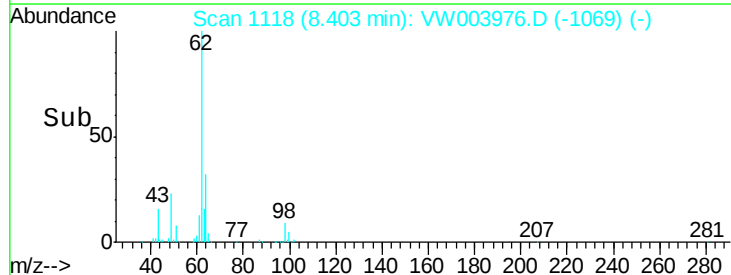
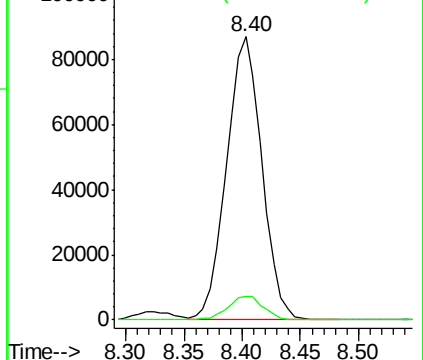


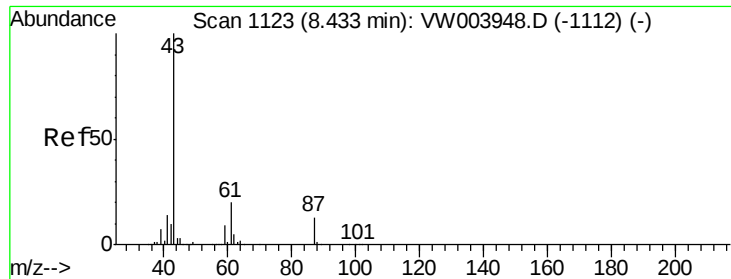
#42
1,2-Dichloroethane
Concen: 50.10 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	62	Resp	182956
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





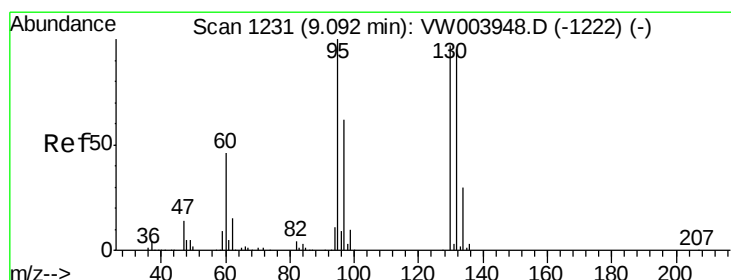
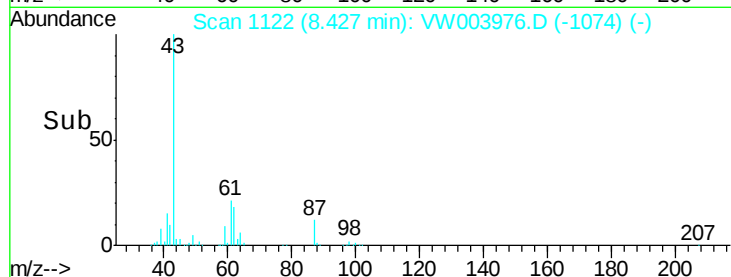
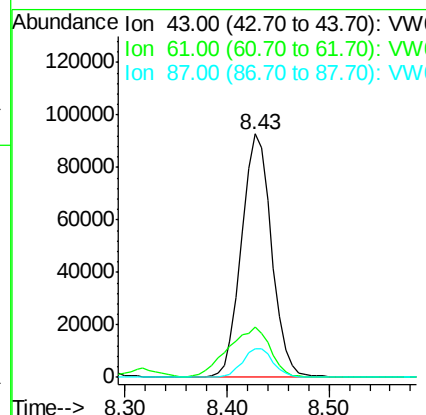
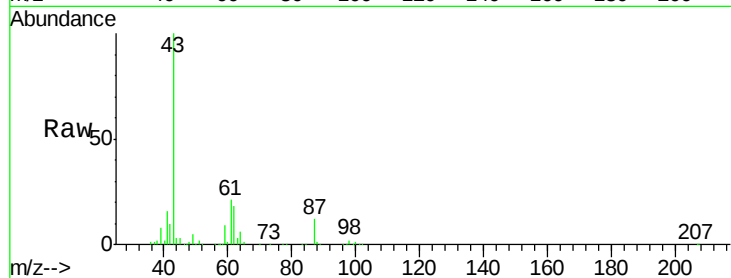
#43
Isopropyl Acetate
Concen: 48.55 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.0	34.6
87	12.1	9.9	14.9

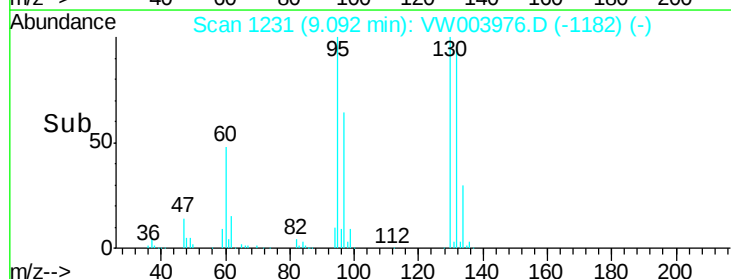
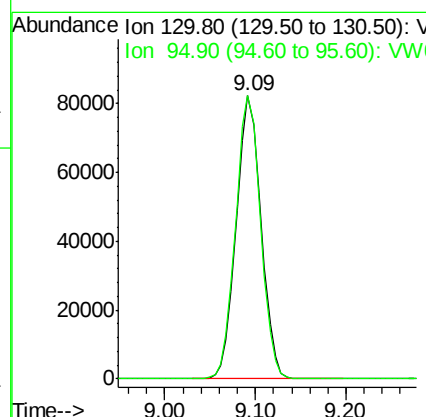
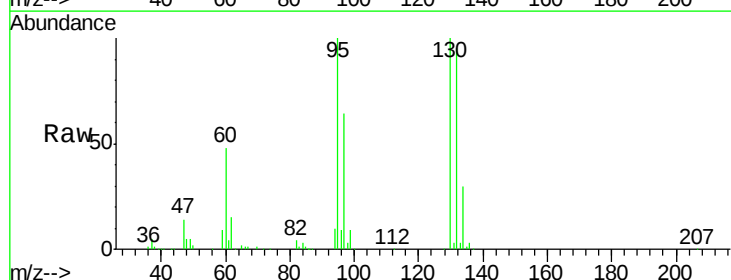
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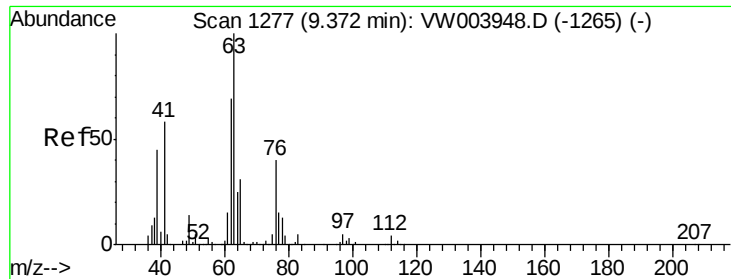
apatel
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#44
Trichloroethene
Concen: 50.41 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	206.8





#45

1,2-Dichloropropane

Concen: 50.70 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 154899

Ion Ratio Lower Upper

63 100

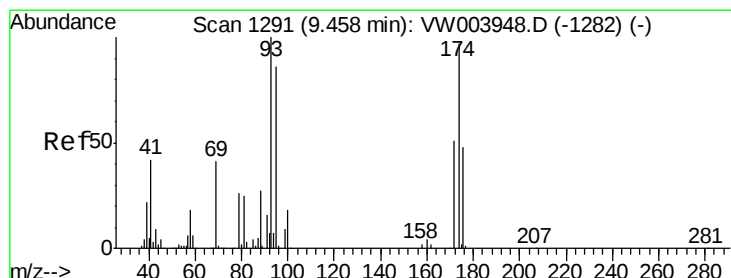
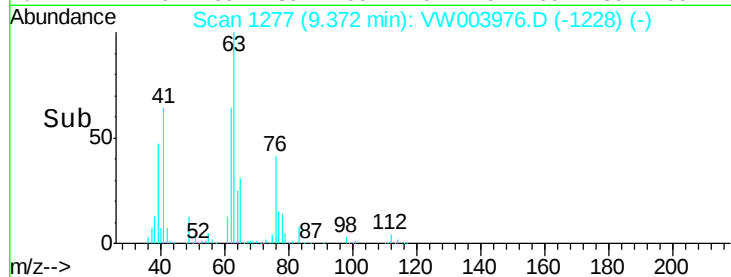
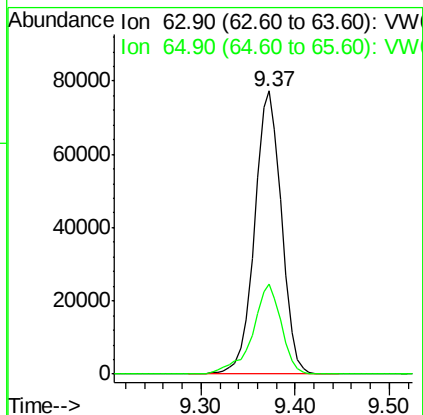
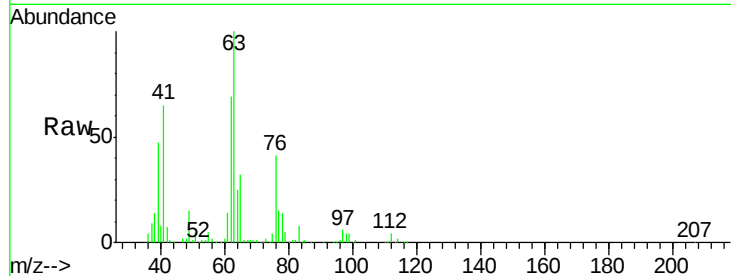
65 31.7 24.8 37.2

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#46

Dibromomethane

Concen: 49.92 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

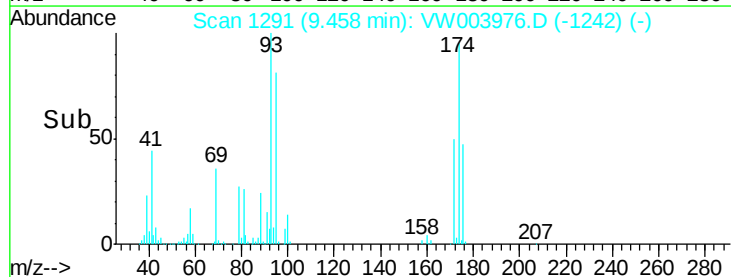
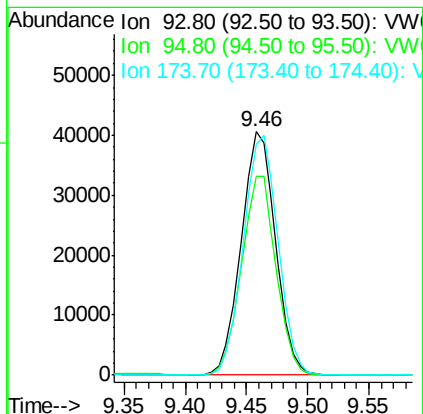
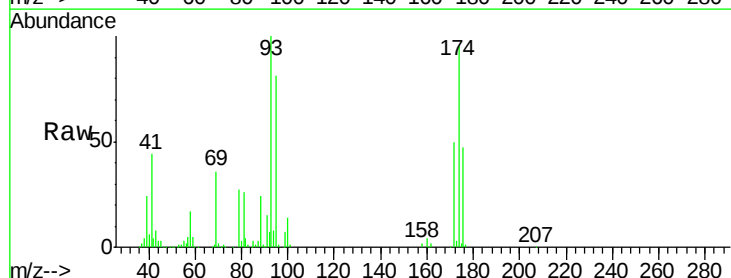
Tgt Ion: 93 Resp: 79142

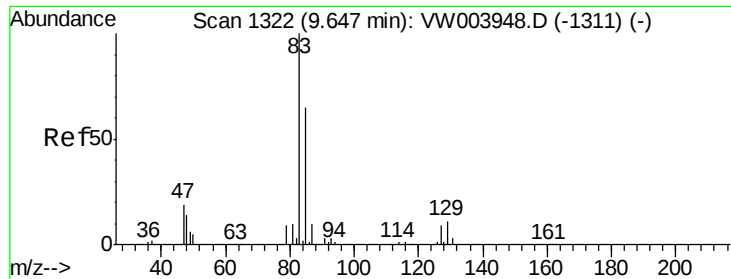
Ion Ratio Lower Upper

93 100

95 82.3 66.9 100.3

174 100.1 80.2 120.2





#47

Bromodichloromethane

Concen: 50.76 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

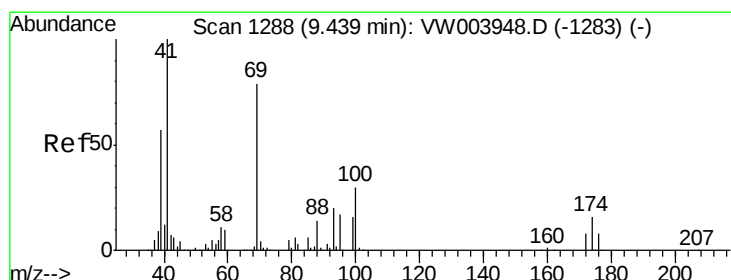
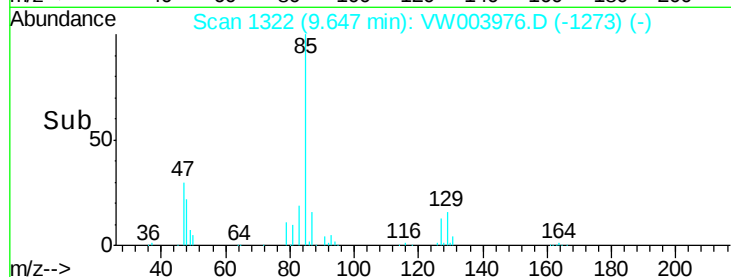
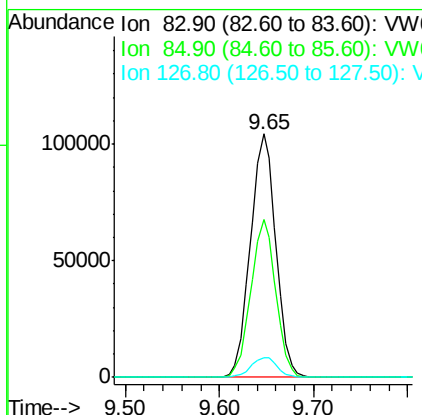
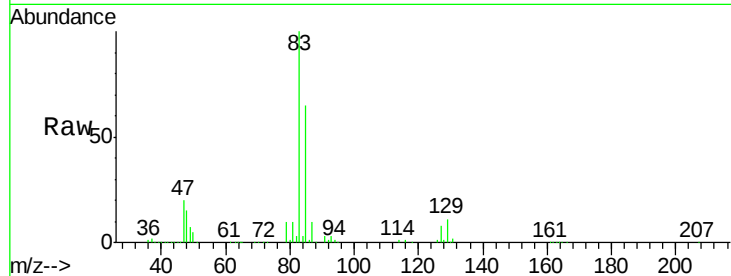
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	198376
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.2	78.2
127	8.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.43 ug/l

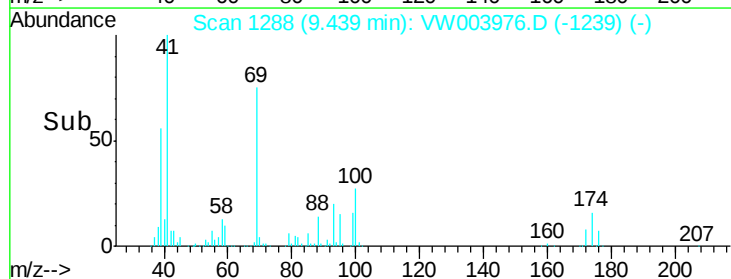
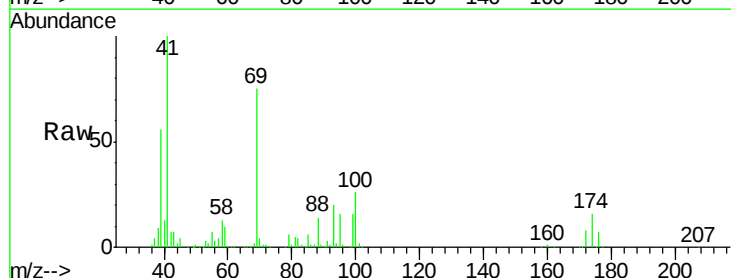
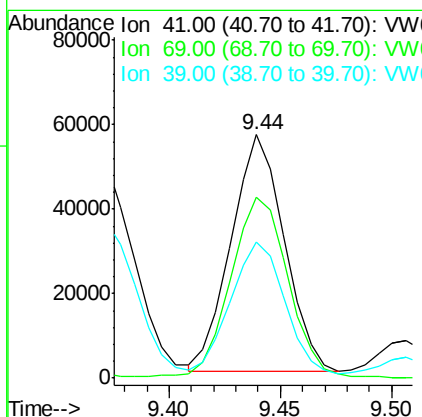
RT: 9.44 min Scan# 1288

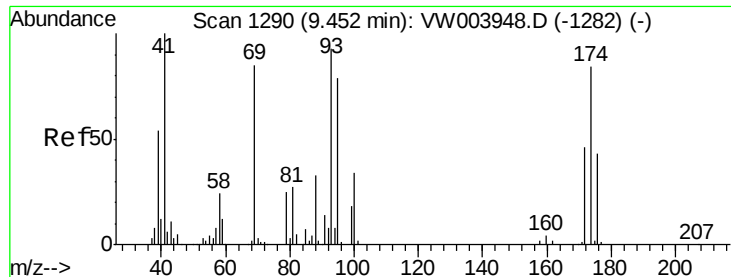
Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	41	Resp:	93035
Ion Ratio	Lower	Upper	
41	100		
69	83.9	67.0	100.6
39	60.5	48.8	73.2





#49

1,4-Dioxane

Concen: 987.34 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

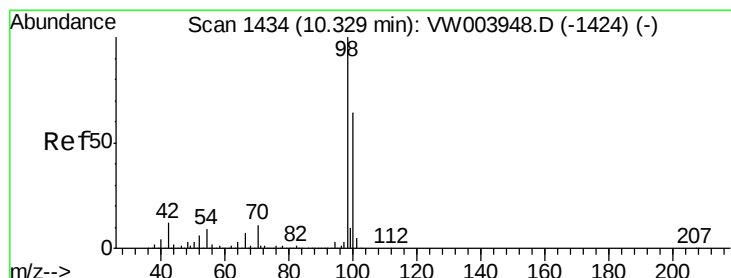
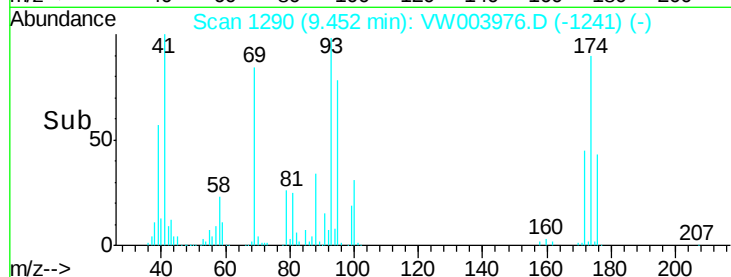
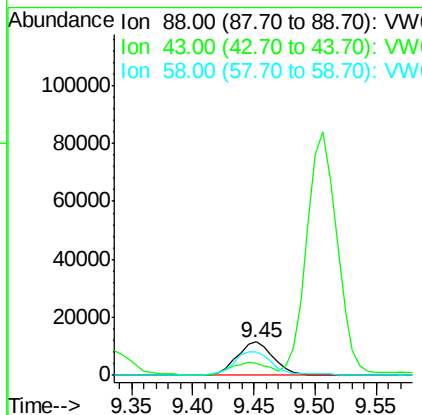
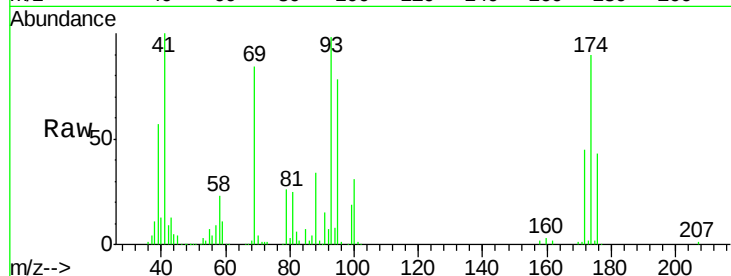
ClientSampled :

VSTDCCC050

Tot Ion:	88	Resp:	24059
Ion	Ratio	Lower	Upper
88	100		
43	37.8	27.3	40.9
58	73.5	61.1	91.7

Manual Integrations
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#50

Toluene-d8

Concen: 53.20 ug/l

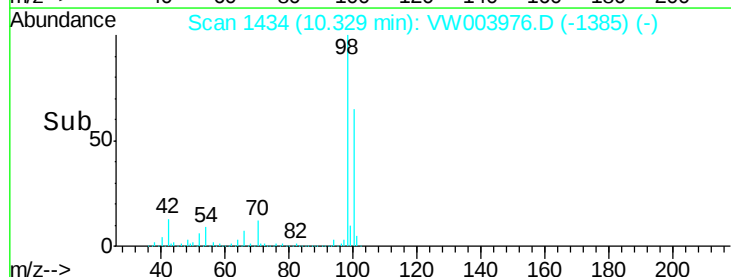
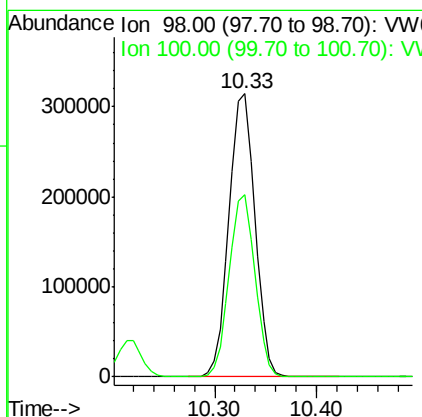
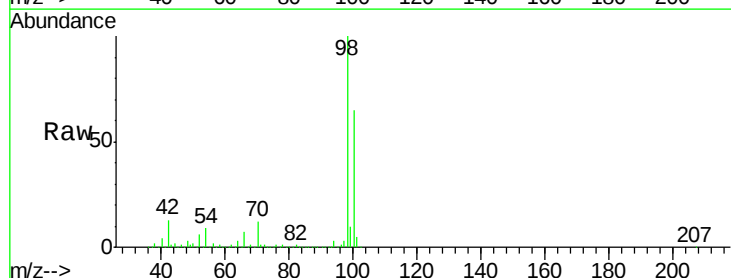
RT: 10.33 min Scan# 1434

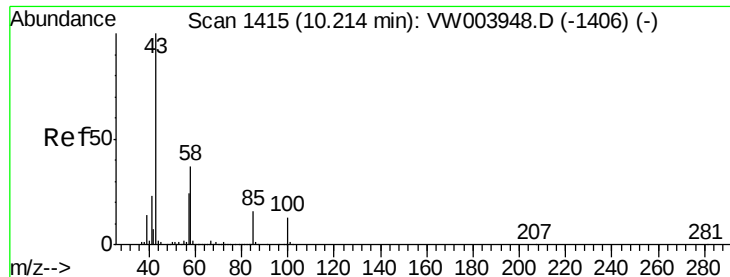
Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	98	Resp:	555358
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 246.21 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 510537

Ion Ratio Lower Upper

43 100

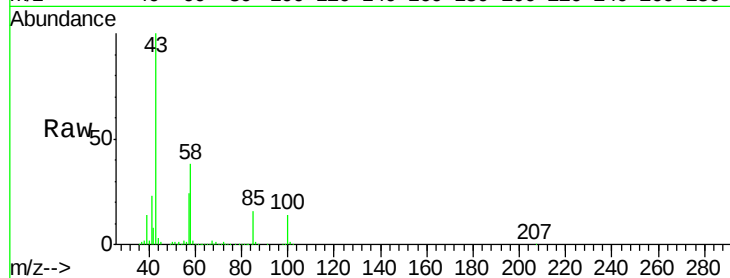
58 37.2 29.9 44.9

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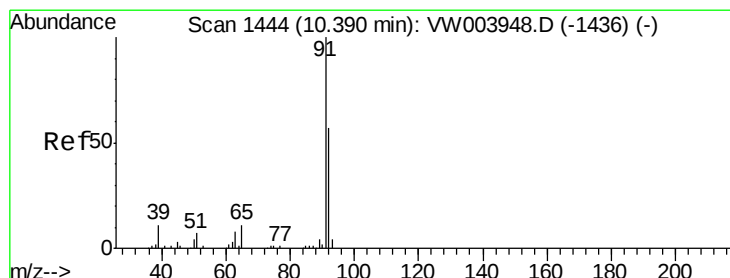
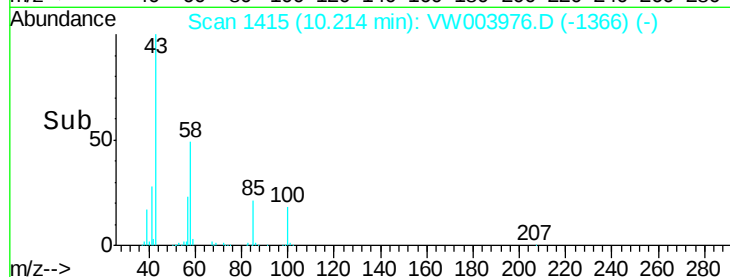
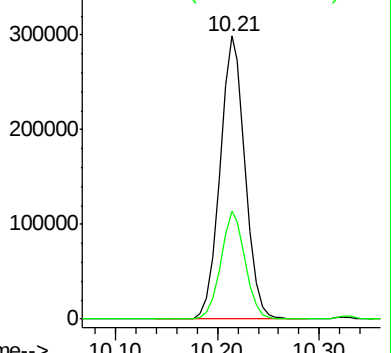
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.53 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003976.D

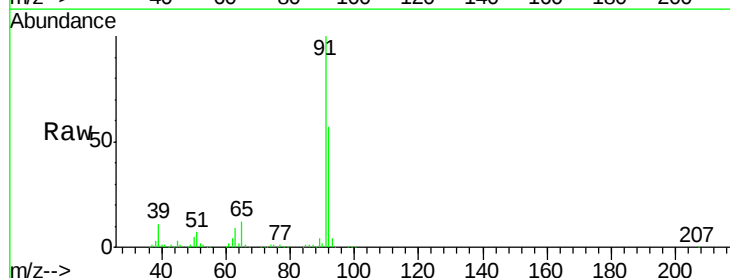
Acq: 17 Jul 2018 11:02

Tgt Ion: 92 Resp: 381415

Ion Ratio Lower Upper

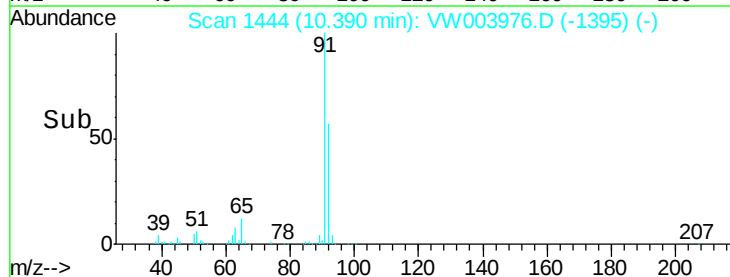
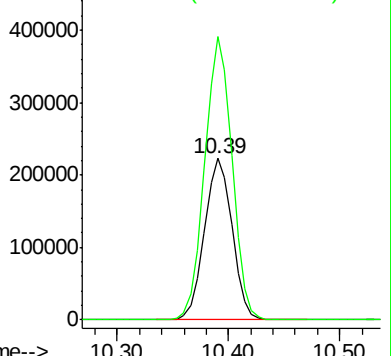
92 100

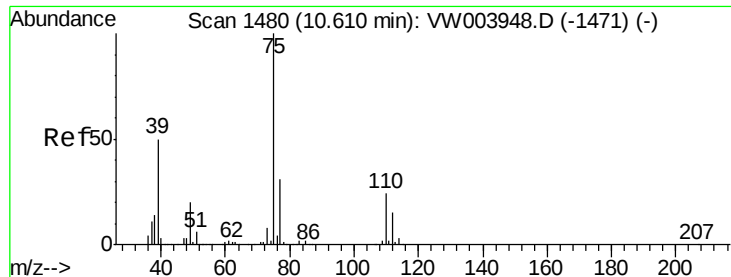
91 174.0 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 50.19 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 205102

Ion Ratio Lower Upper

75 100

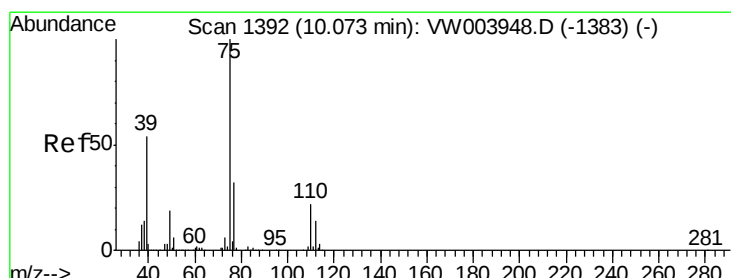
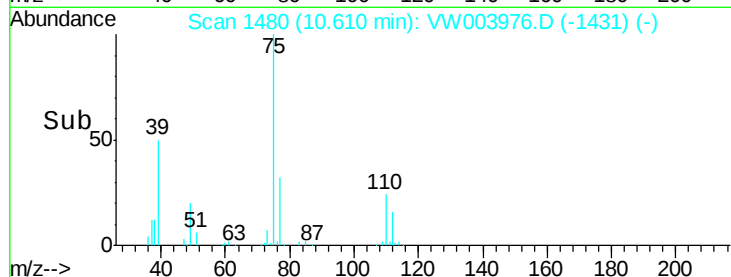
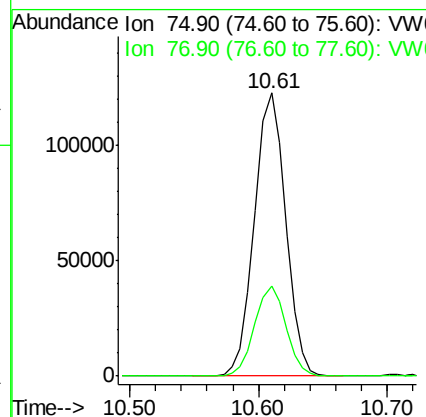
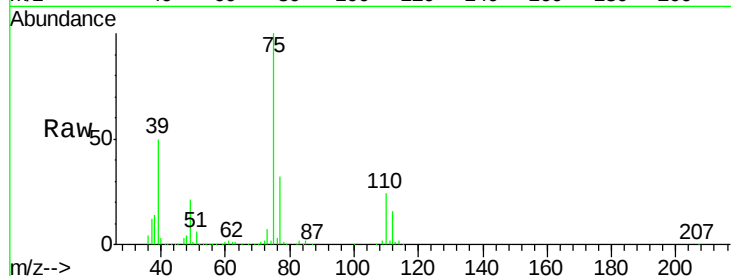
77 31.6 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.63 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

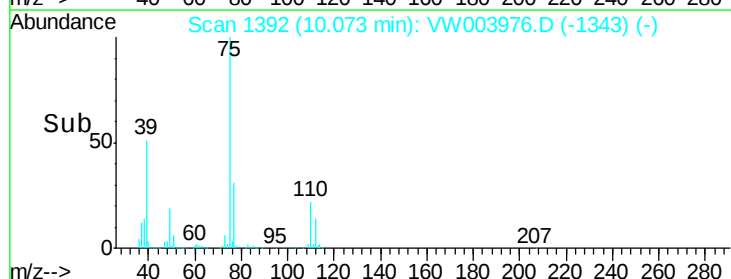
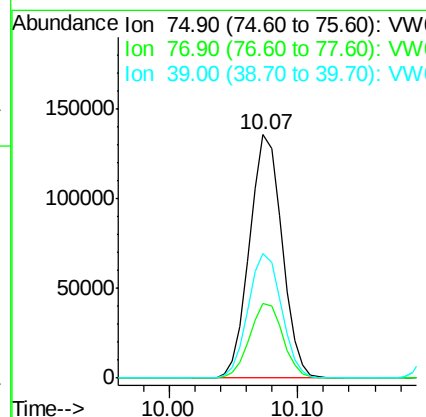
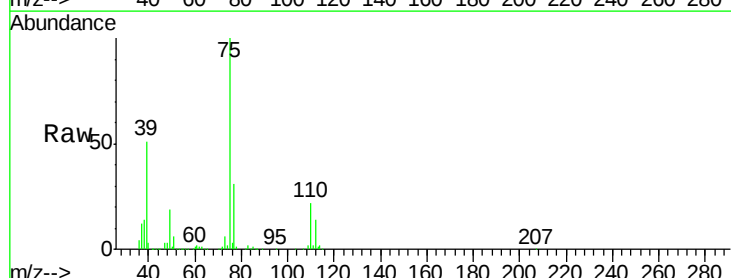
Tgt Ion: 75 Resp: 236694

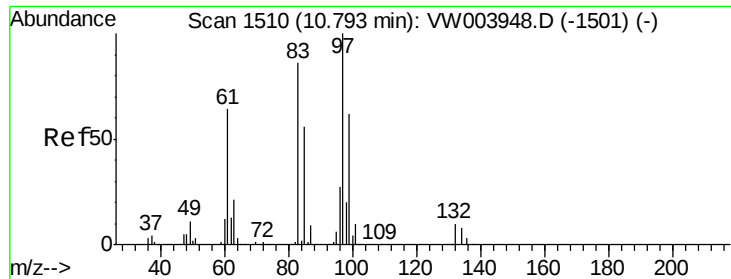
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2

39 51.1 43.0 64.6





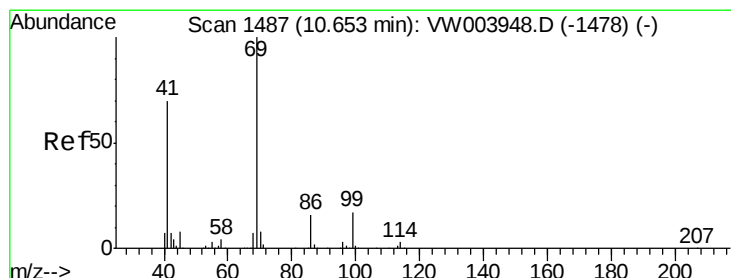
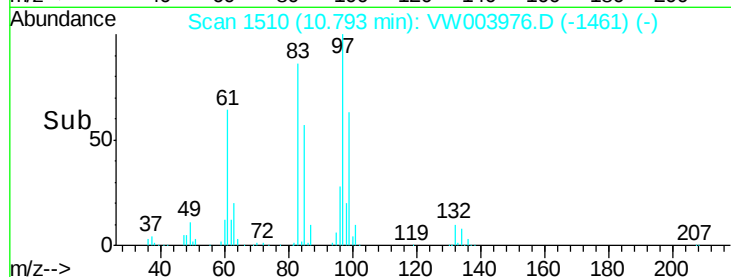
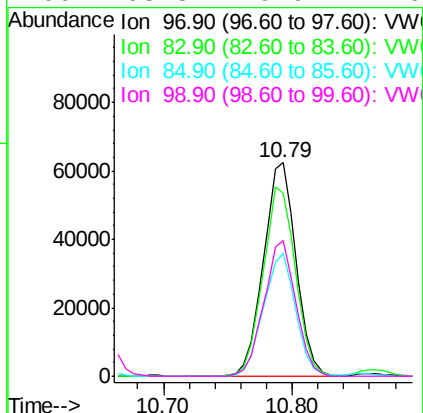
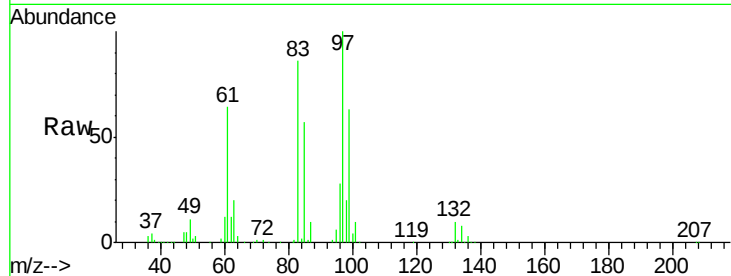
#55
 1,1,2-Trichloroethane
 Concen: 49.11 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	109485
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.0	103.4
85	57.4	45.0	67.6
99	63.3	49.9	74.9

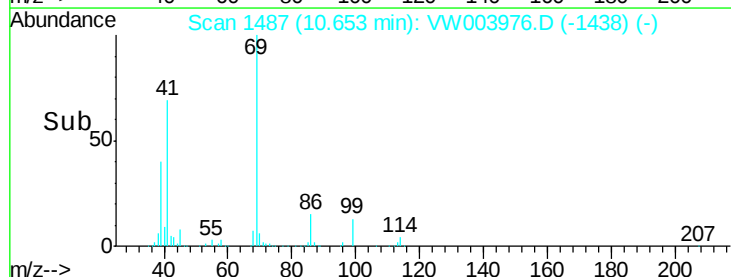
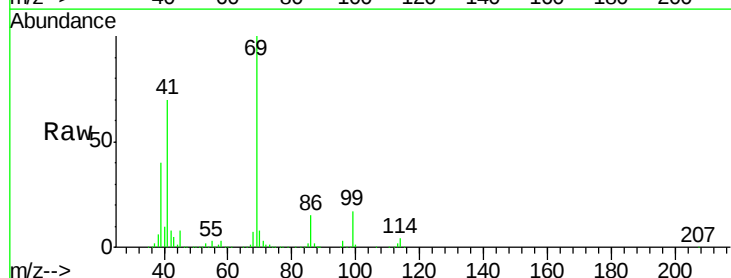
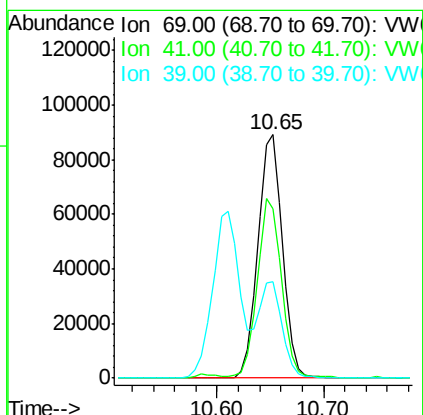
Manual Integrations
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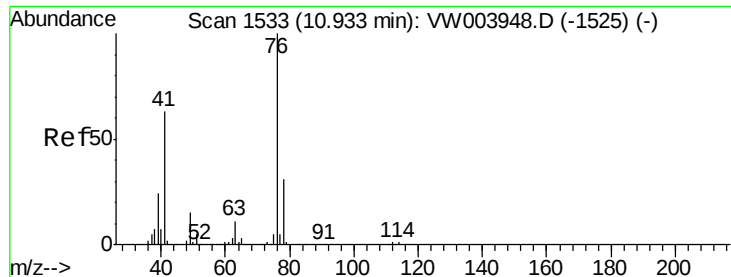
apatel
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#56
 Ethyl methacrylate
 Concen: 45.53 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion:	69	Resp:	144310
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.5	84.7
39	35.1	30.2	45.4





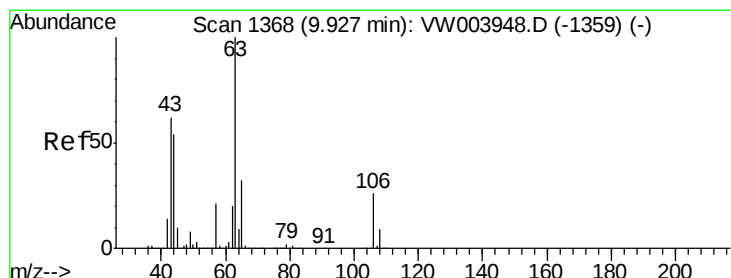
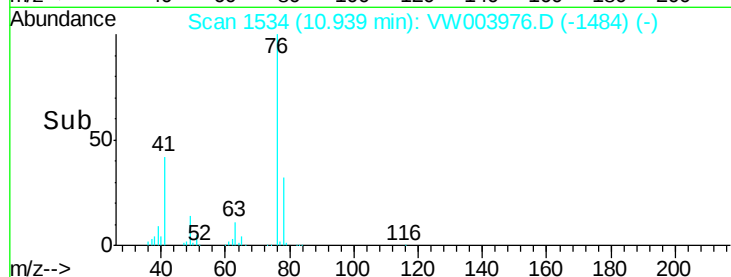
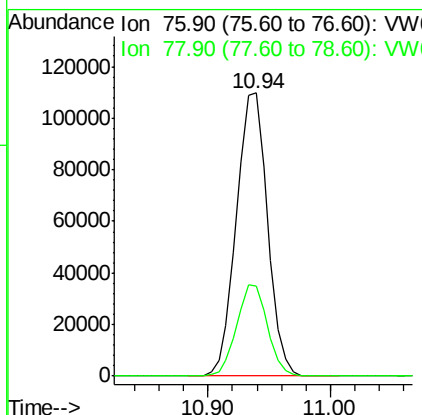
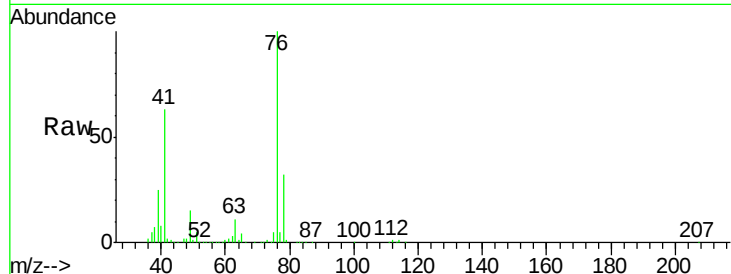
#57
 1,3-Dichloropropane
 Concen: 50.08 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 193974
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

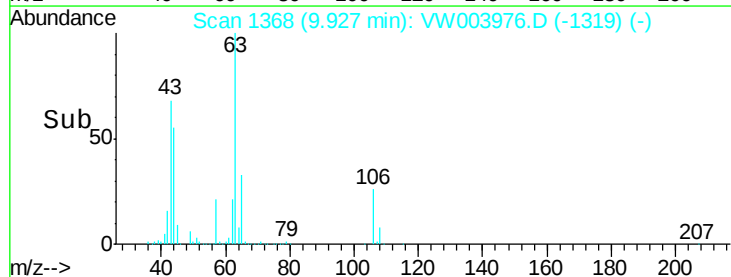
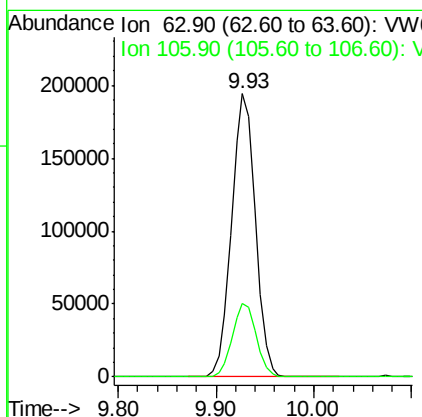
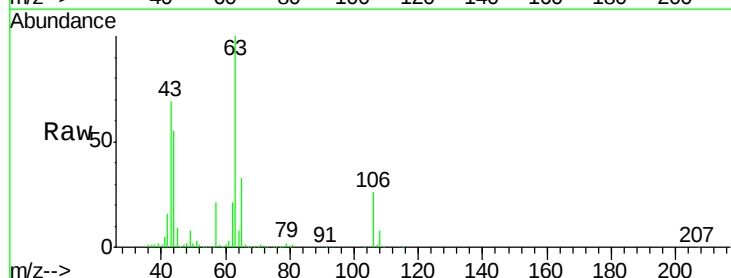
Manual Integrations
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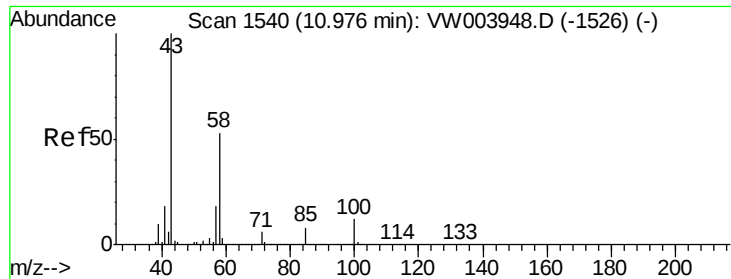
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 247.53 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion: 63 Resp: 327392
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.2 31.8





#59

2-Hexanone

Concen: 259.77 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 379640

Ion Ratio Lower Upper

43 100

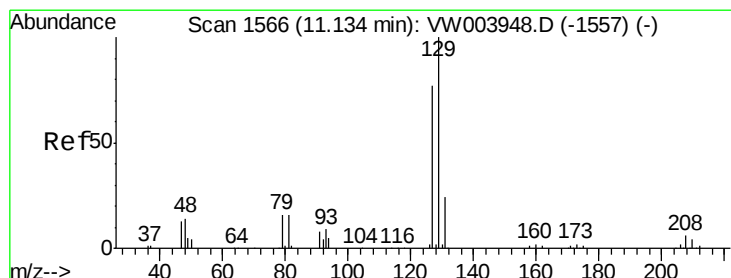
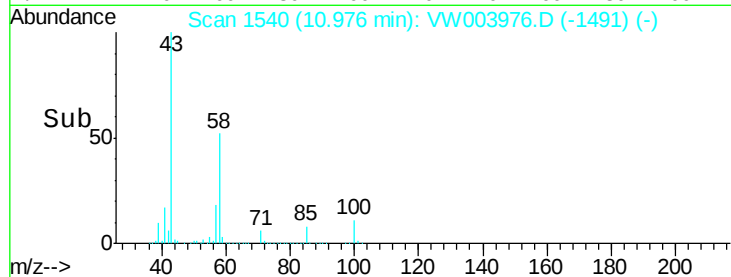
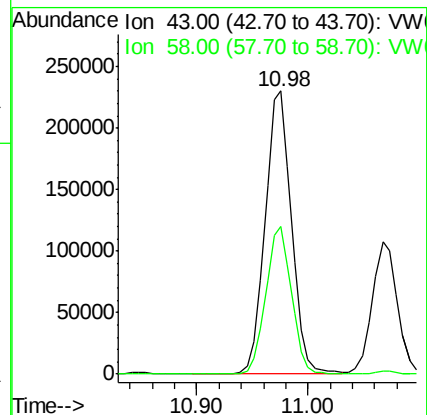
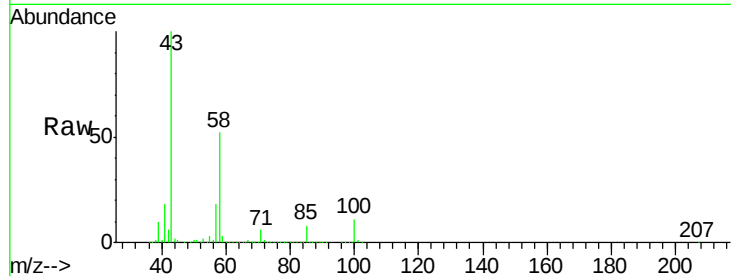
58 51.0 26.0 78.0

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#60

Dibromochloromethane

Concen: 49.98 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003976.D

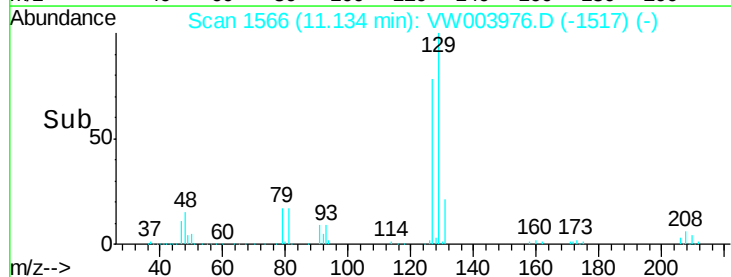
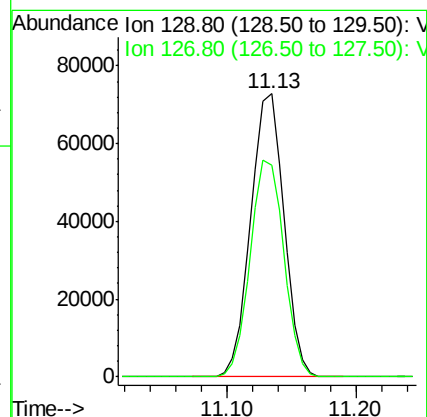
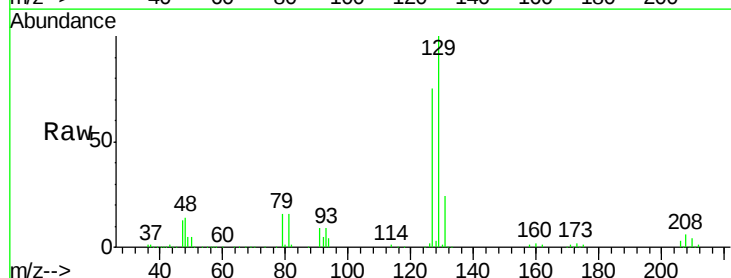
Acq: 17 Jul 2018 11:02

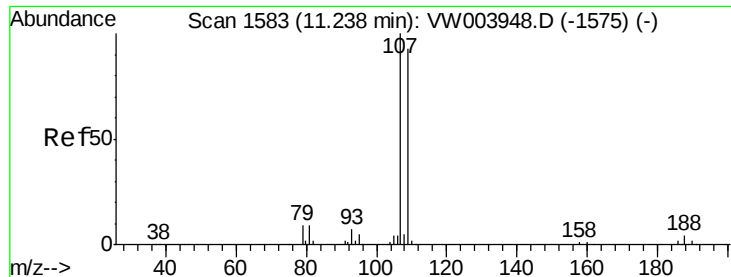
Tgt Ion: 129 Resp: 129758

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.3





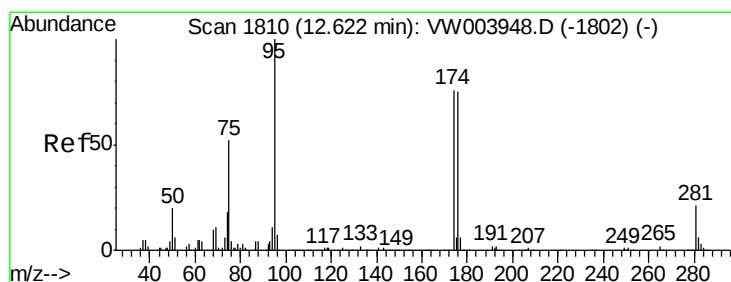
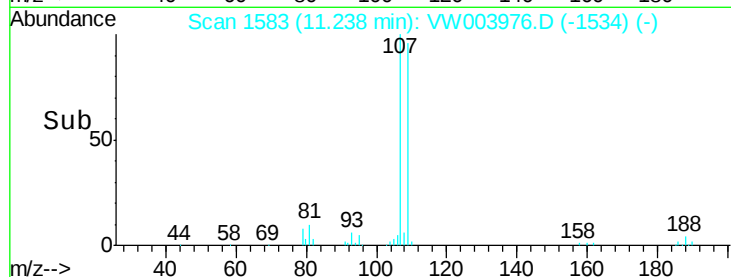
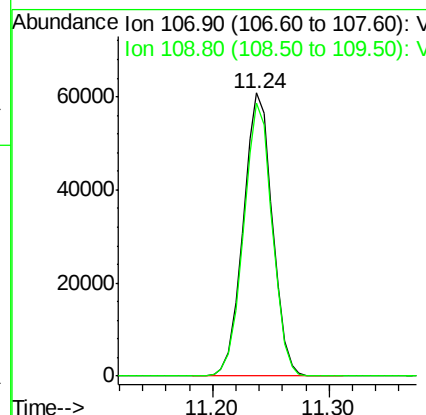
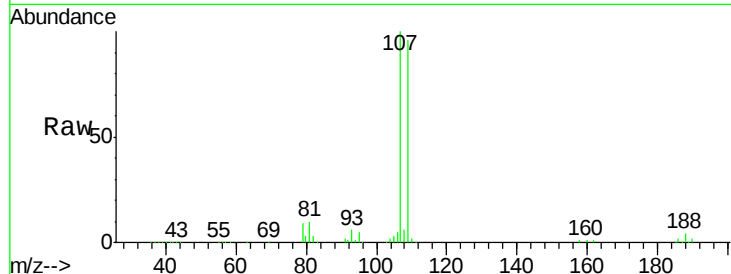
#61
 1,2-Dibromoethane
 Concen: 49.98 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	106035		
109	94.8	74.3	111.5	

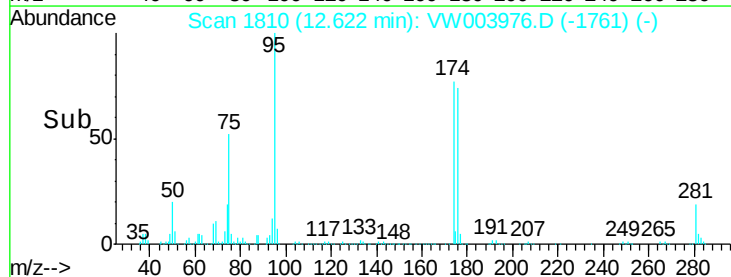
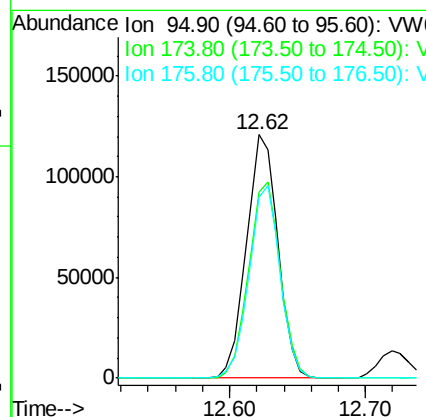
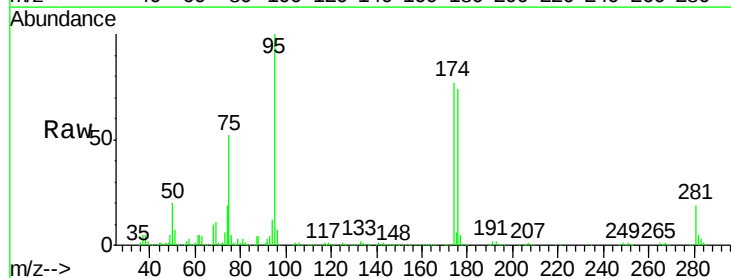
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#62
 4-Bromofluorobenzene
 Concen: 51.95 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	195565		
174	81.2	0.0	160.2	
176	78.0	0.0	155.8	





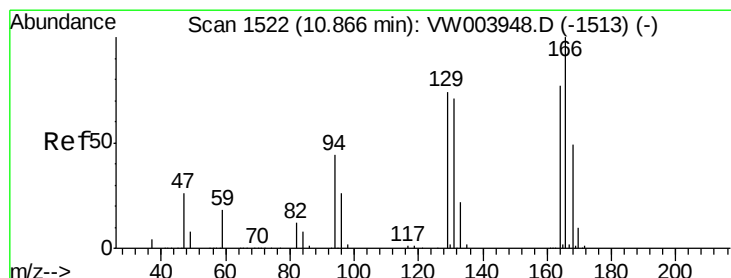
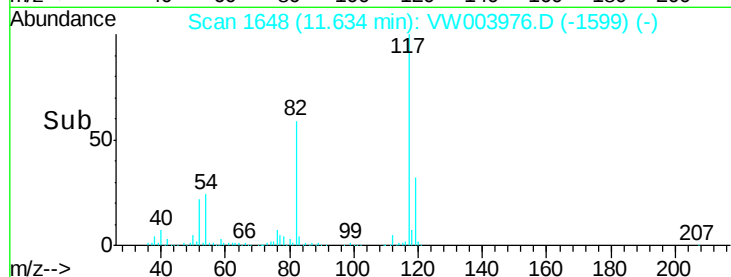
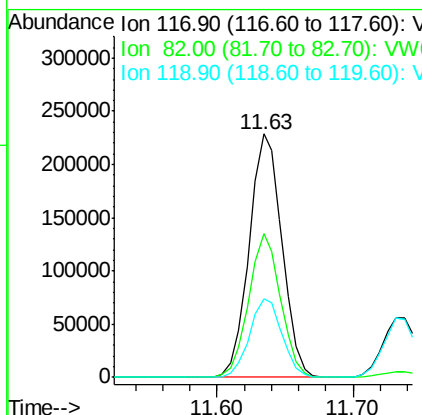
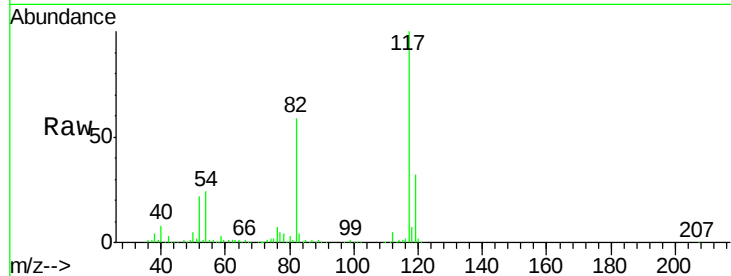
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	385910		
82	59.1	46.5	69.7	
119	32.3	26.2	39.2	

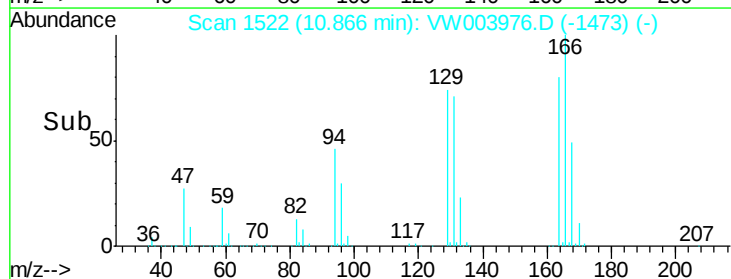
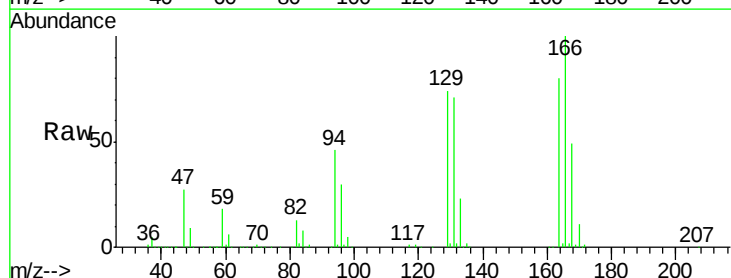
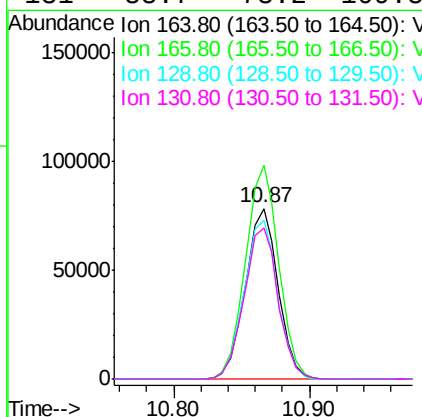
Manual Integrations
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#64
Tetrachloroethene
Concen: 49.94 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132224		
166	125.4	103.5	155.3	
129	93.3	76.8	115.2	
131	88.7	73.2	109.8	





#65

Chlorobenzene

Concen: 50.03 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 410568

Ion Ratio Lower Upper

112 100

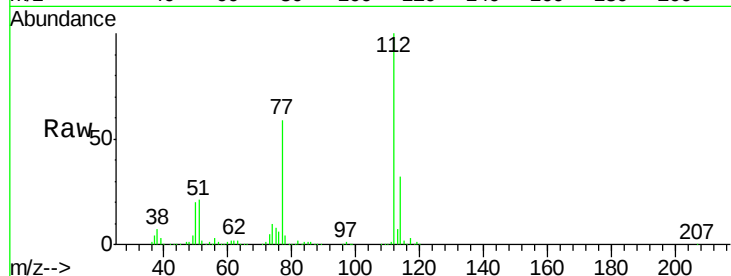
114 32.1 25.2 37.8

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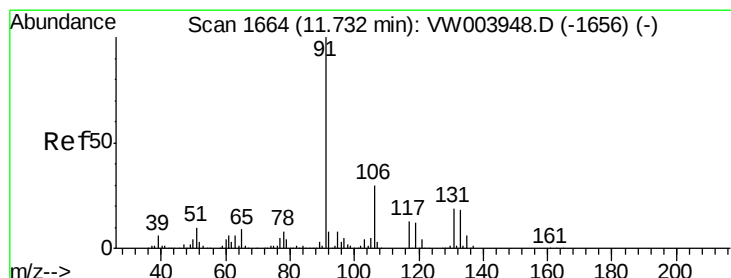
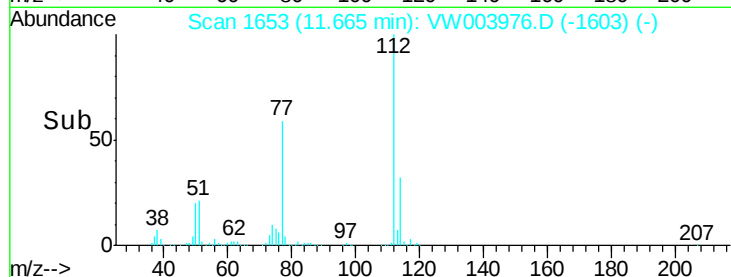
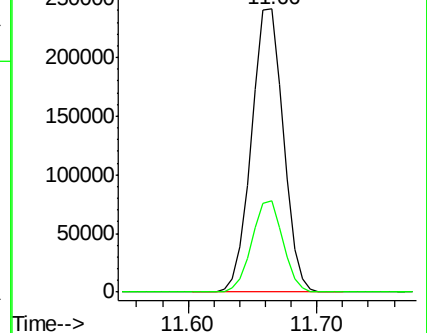
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.83 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

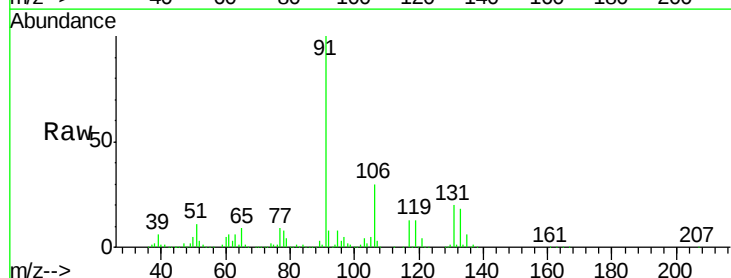
Tgt Ion:131 Resp: 144946

Ion Ratio Lower Upper

131 100

133 94.9 47.9 143.8

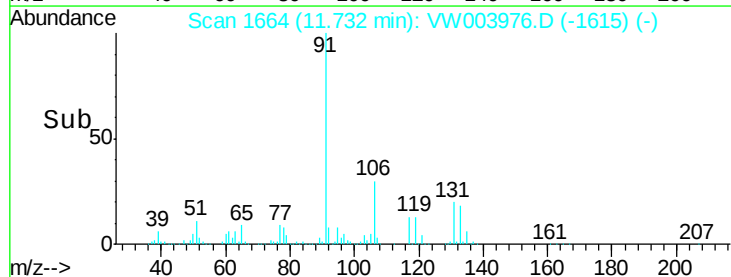
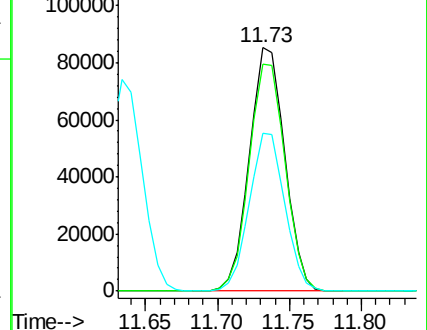
119 64.9 32.5 97.5

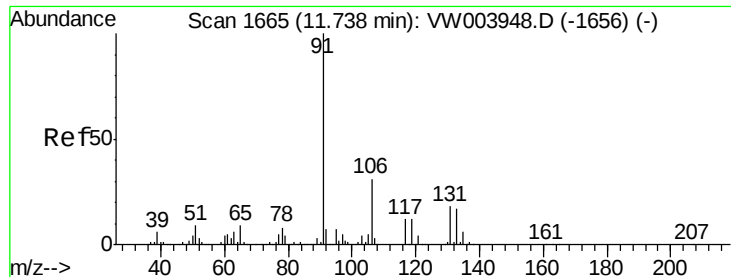


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





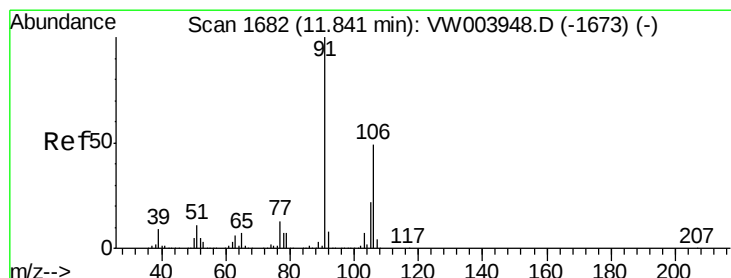
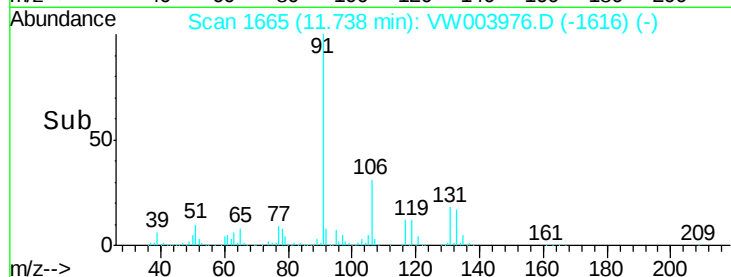
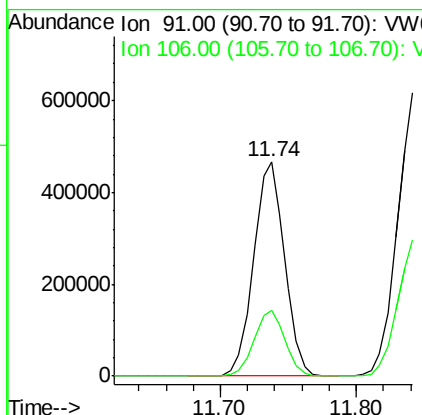
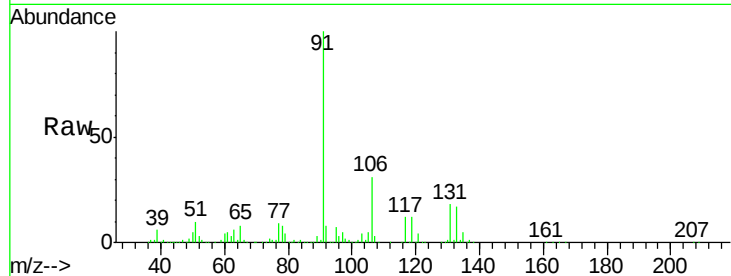
#67
Ethyl Benzene
Concen: 51.57 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 743429
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

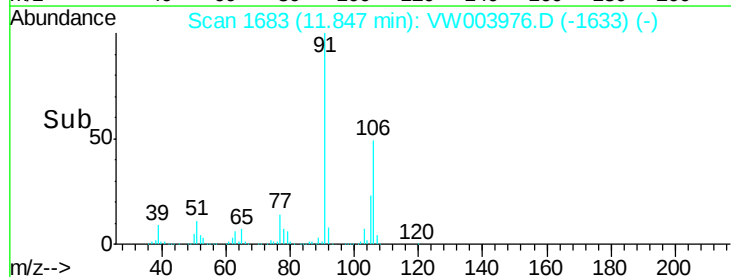
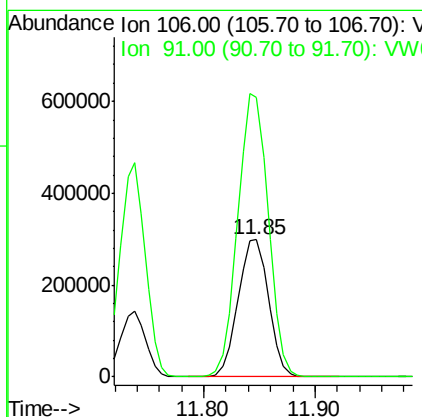
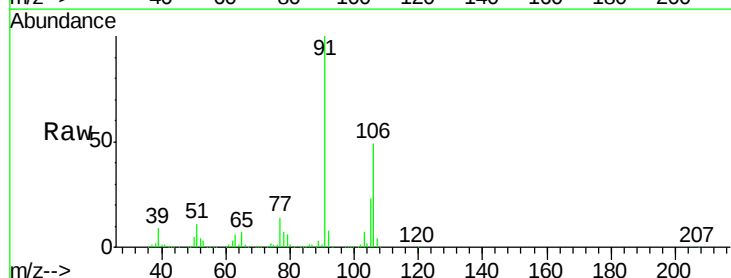
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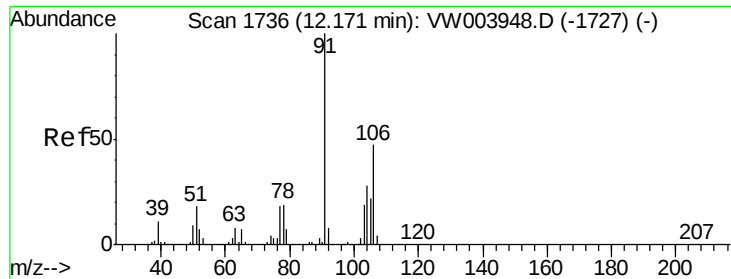
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#68
m/p-Xylenes
Concen: 103.21 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion: 106 Resp: 568623
Ion Ratio Lower Upper
106 100
91 205.7 164.2 246.2





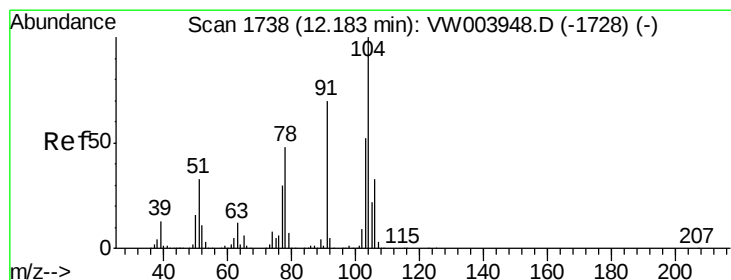
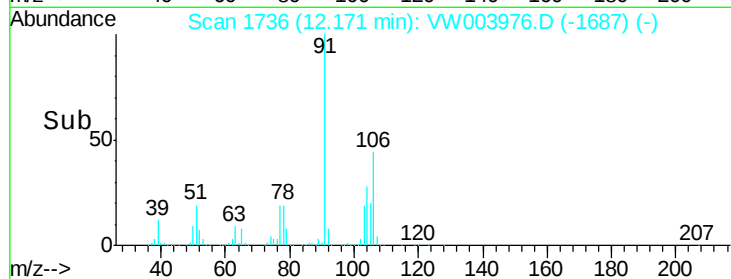
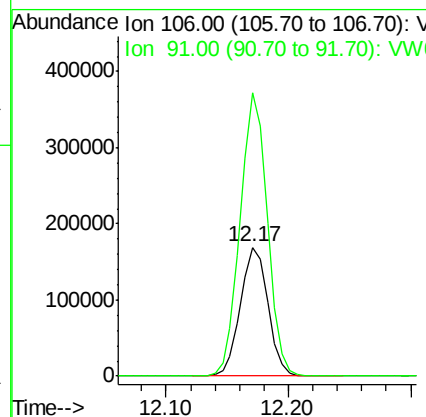
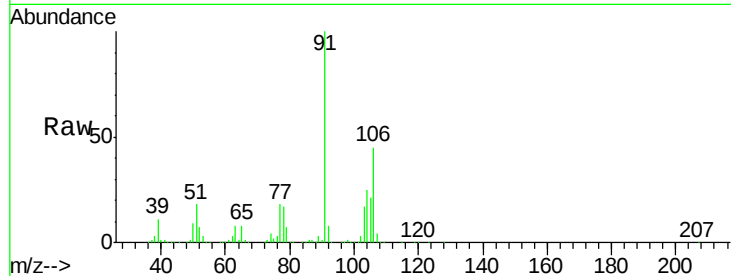
#69
o-Xylene
Concen: 51.46 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 262984
Ion Ratio Lower Upper
106 100
91 217.0 107.5 322.6

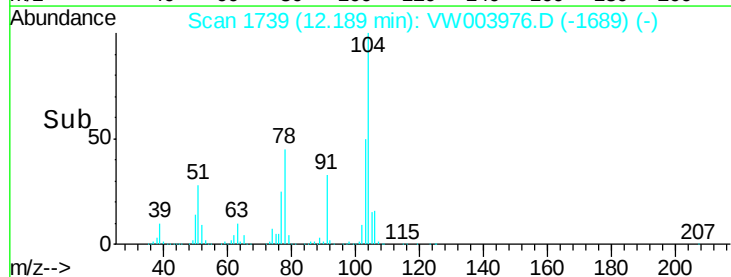
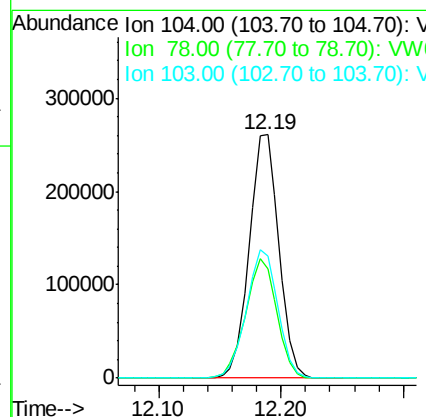
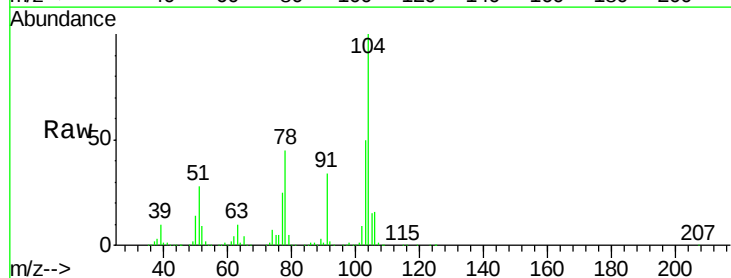
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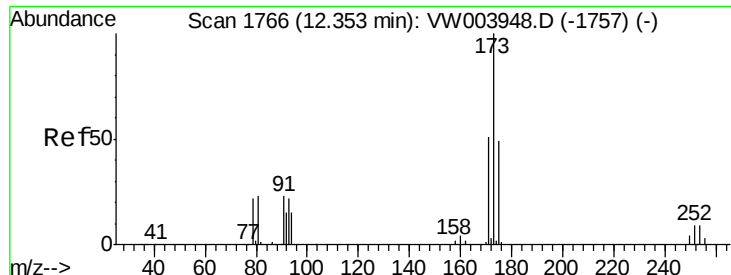
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#70
Styrene
Concen: 51.53 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion:104 Resp: 439883
Ion Ratio Lower Upper
104 100
78 51.7 41.0 61.4
103 55.9 44.6 67.0





#71

Bromoform

Concen: 48.71 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

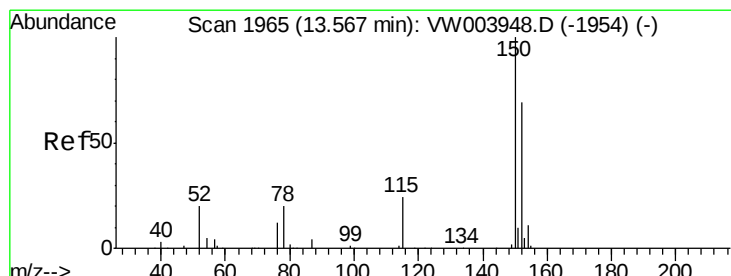
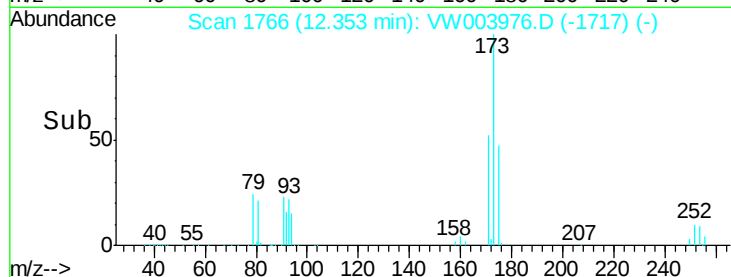
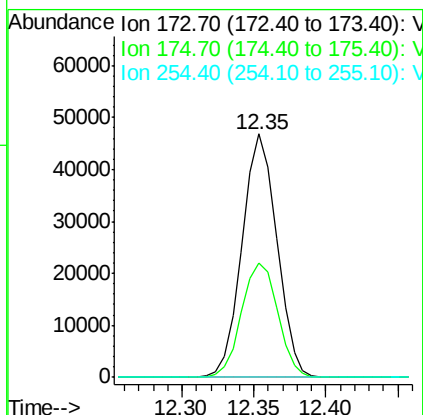
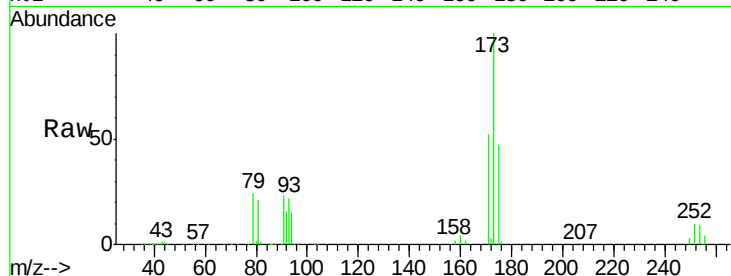
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

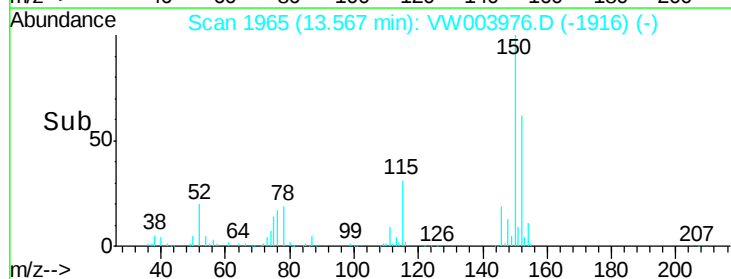
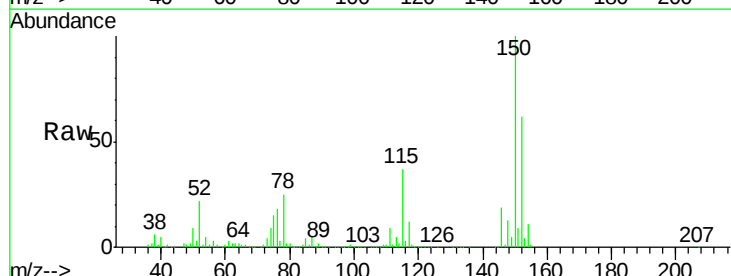
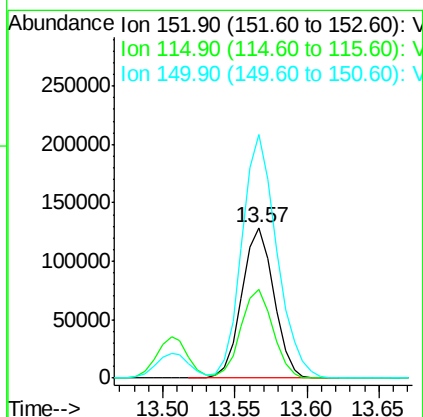
RT: 13.57 min Scan# 1965

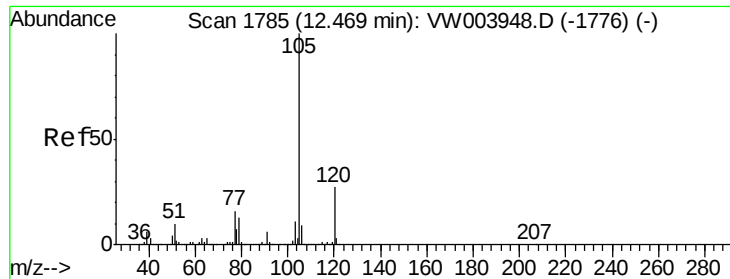
Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.2	87.6
150	176.3	0.0	345.2





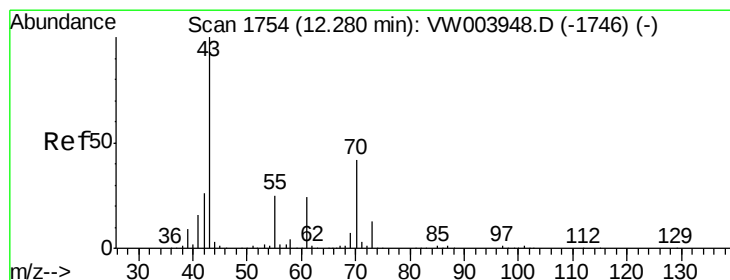
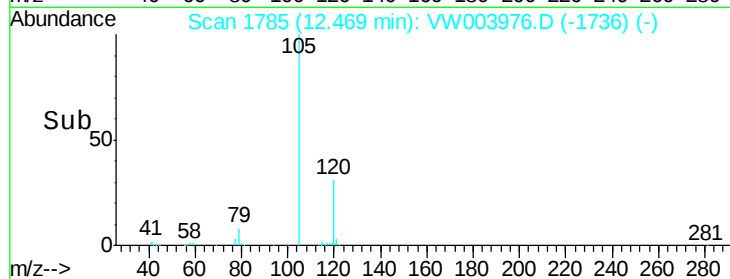
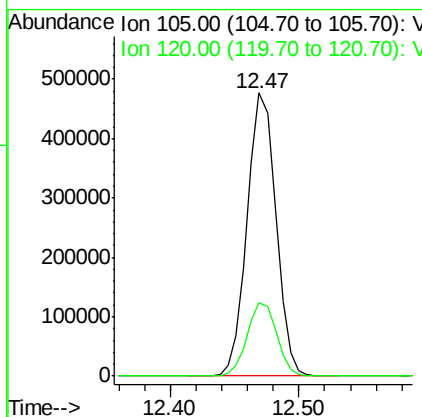
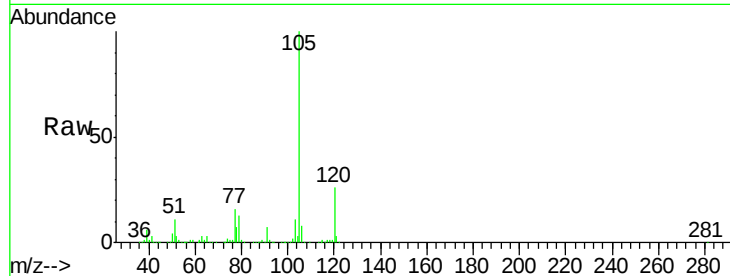
#73
Isopropylbenzene
Concen: 52.41 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

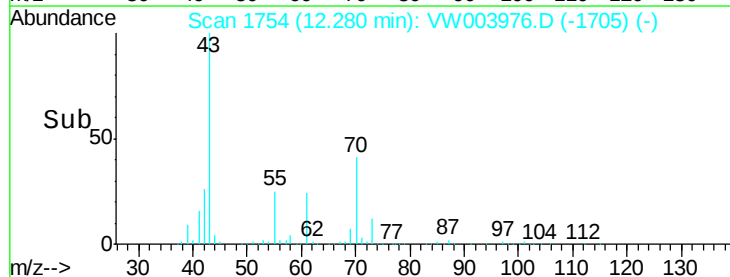
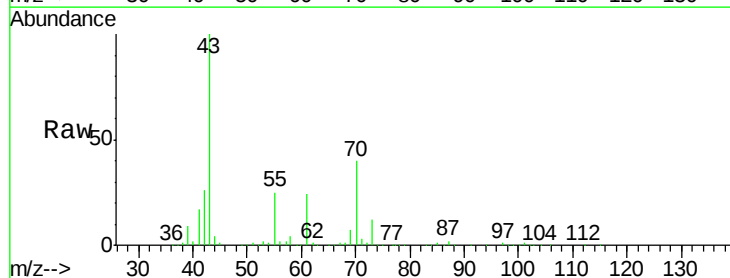
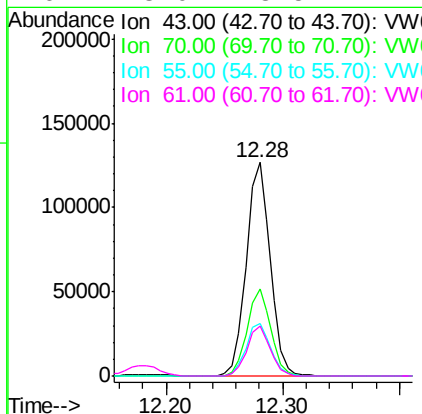
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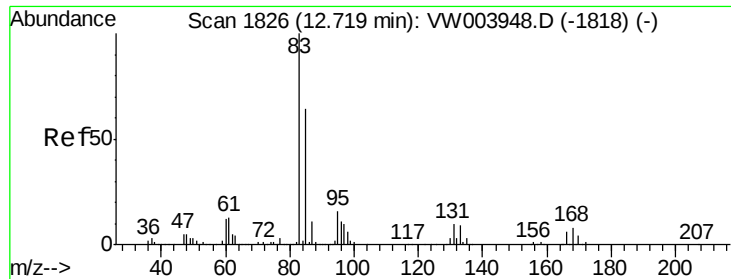
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#74
N-ethyl acetate
Concen: 49.72 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.2	31.6	47.4
55	25.5	20.0	30.0
61	23.0	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.81 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

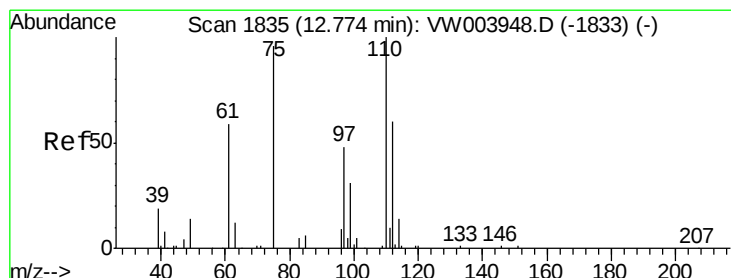
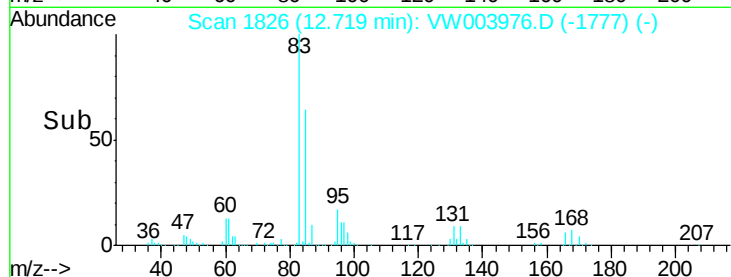
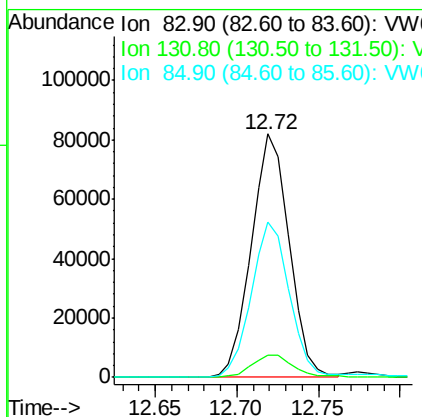
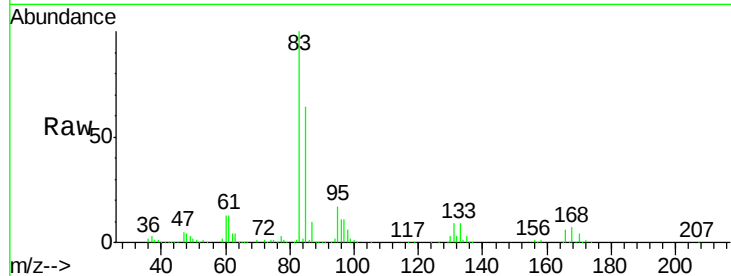
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132445
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.2	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 47.79 ug/l m

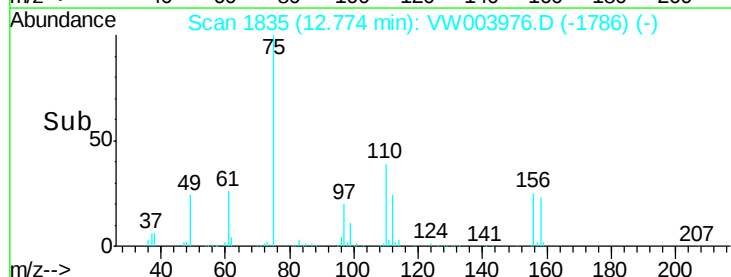
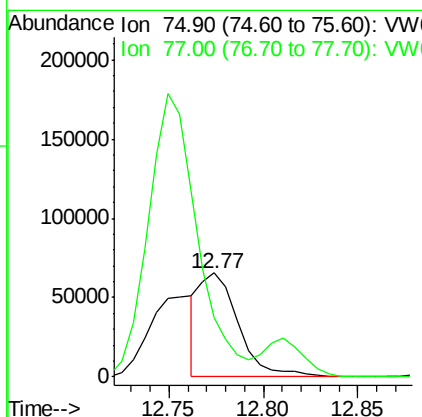
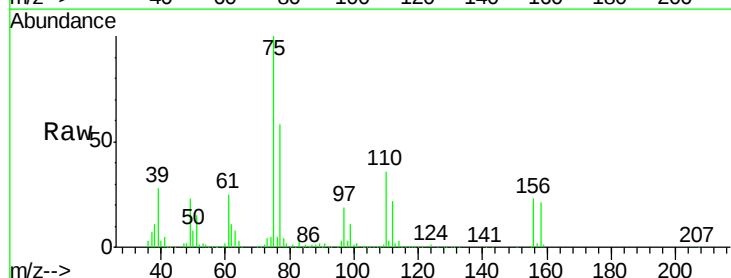
RT: 12.77 min Scan# 1835

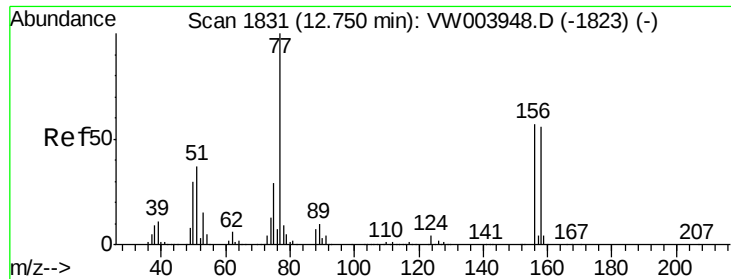
Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	75	Resp:	94214
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.04 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

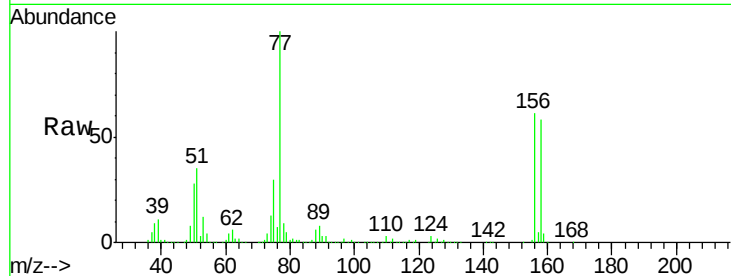
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.2	96.2	288.6
158	96.2	48.5	145.5

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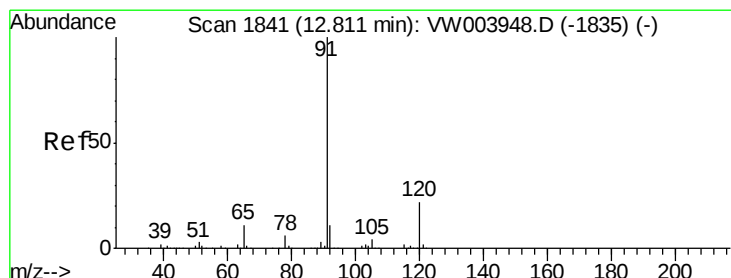
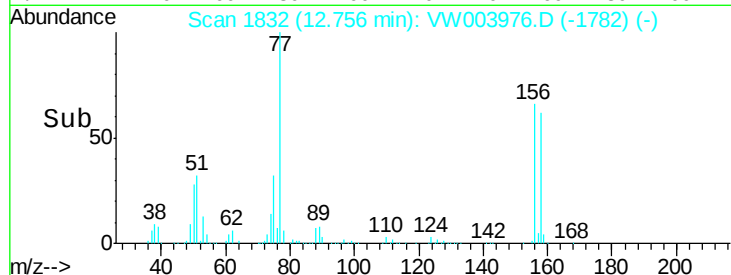
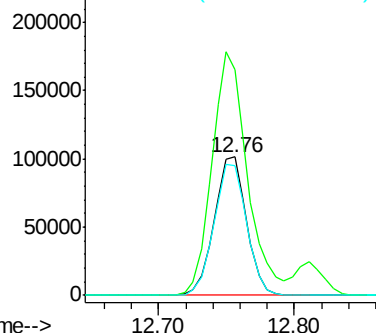
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.11 ug/l

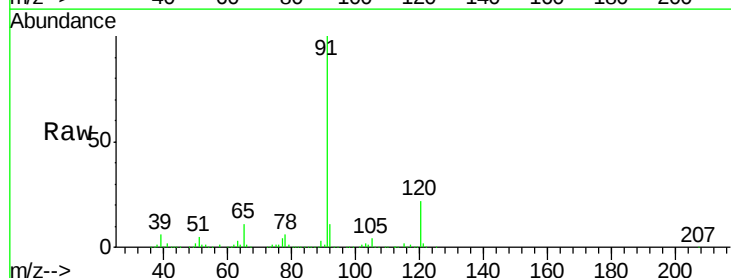
RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003976.D

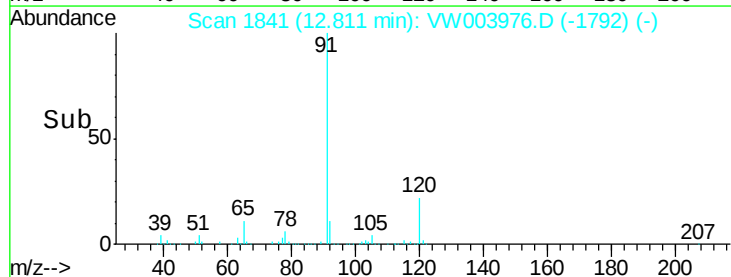
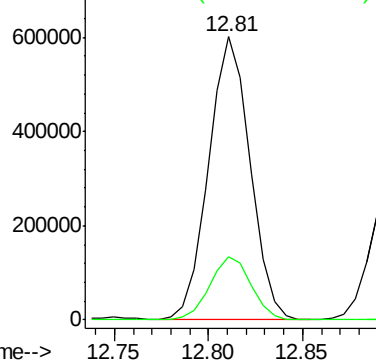
Acq: 17 Jul 2018 11:02

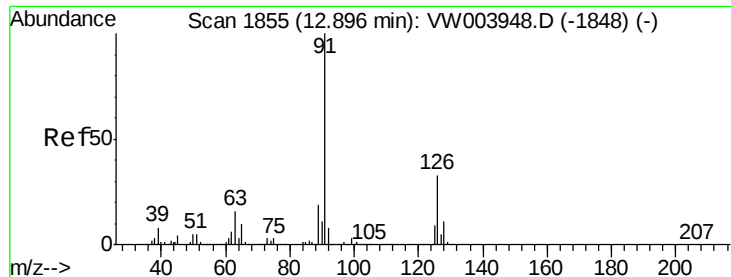
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.01 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 504959

Ion Ratio Lower Upper

91 100

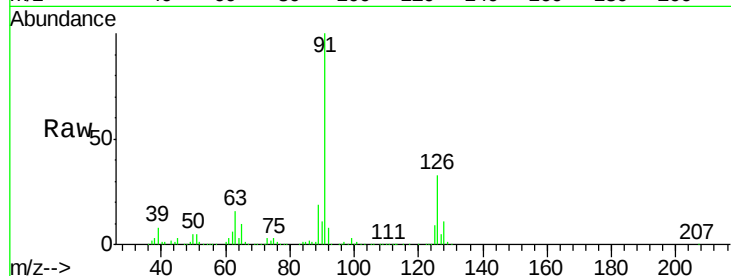
126 33.7 17.0 51.0

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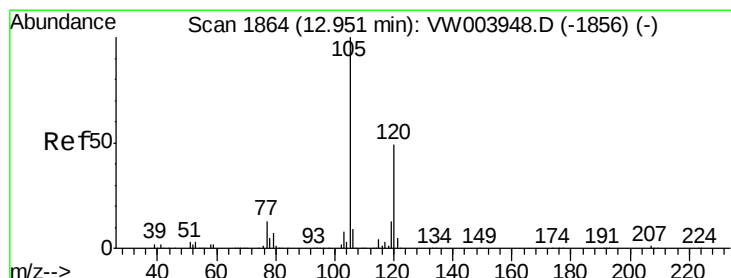
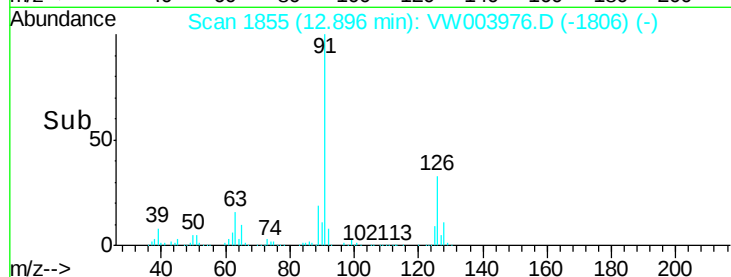
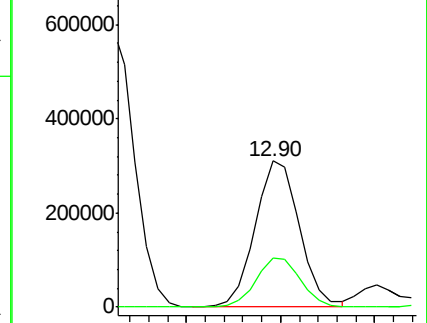
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.84 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003976.D

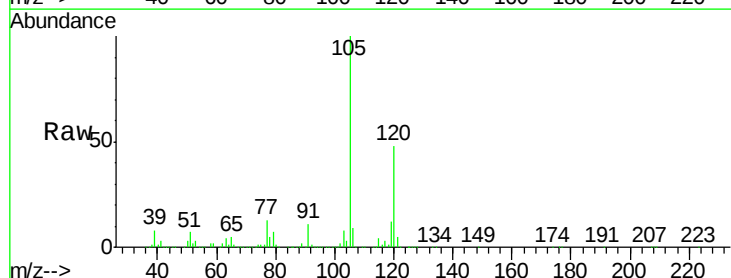
Acq: 17 Jul 2018 11:02

Tgt Ion:105 Resp: 623936

Ion Ratio Lower Upper

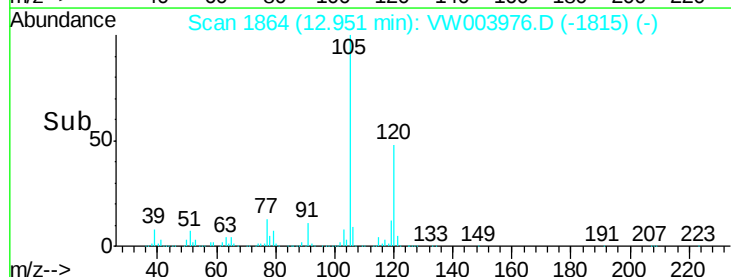
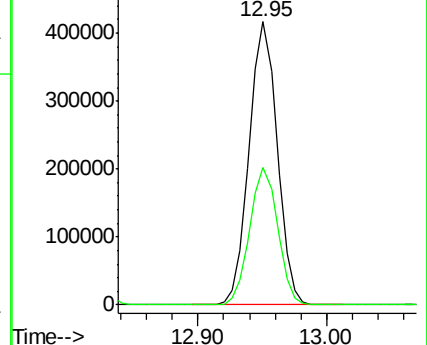
105 100

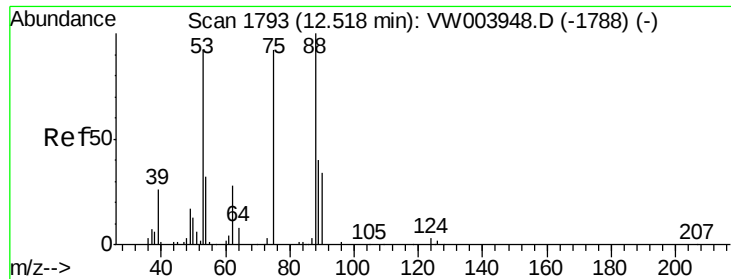
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.35 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

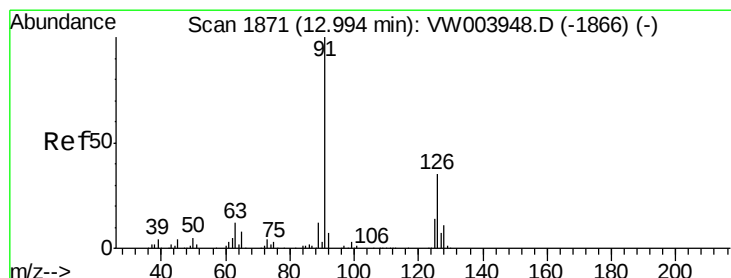
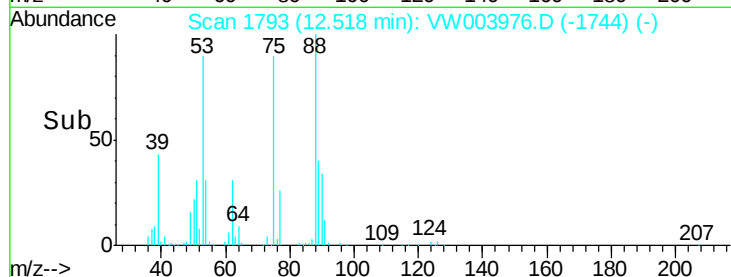
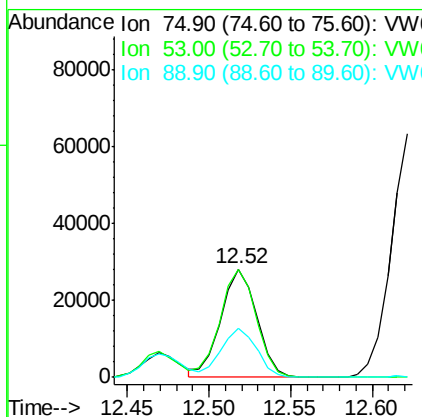
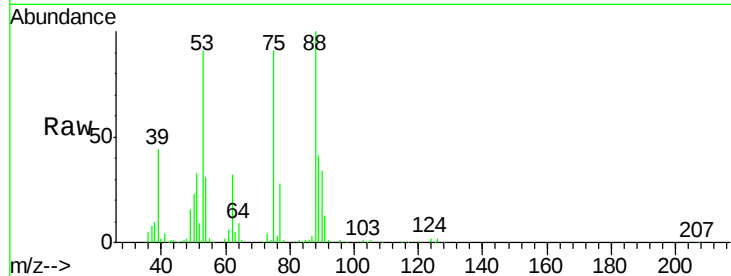
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	43093
Ion	Ratio	Lower	Upper
75	100		
53	101.0	77.6	116.4
89	44.8	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.94 ug/l

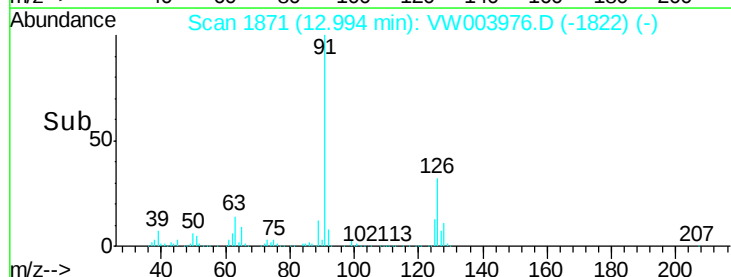
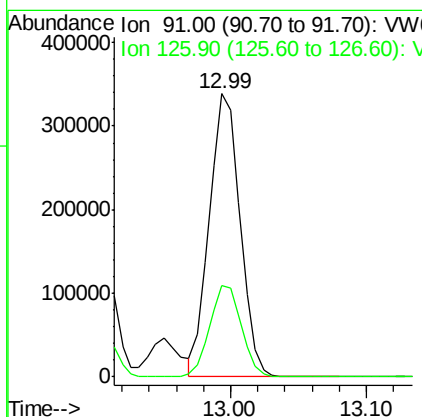
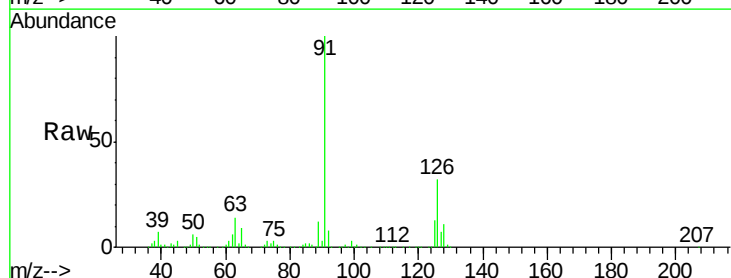
RT: 12.99 min Scan# 1871

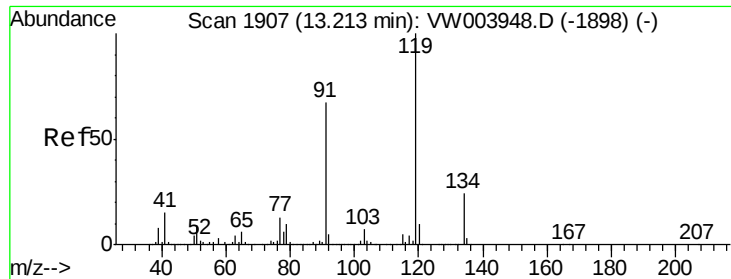
Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Tgt Ion:	91	Resp:	530804
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.0





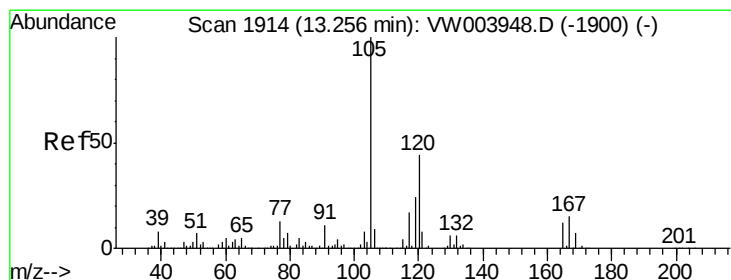
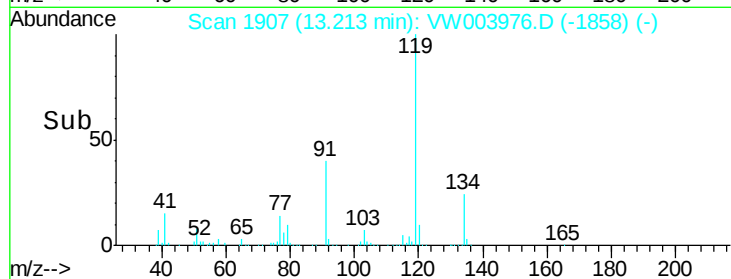
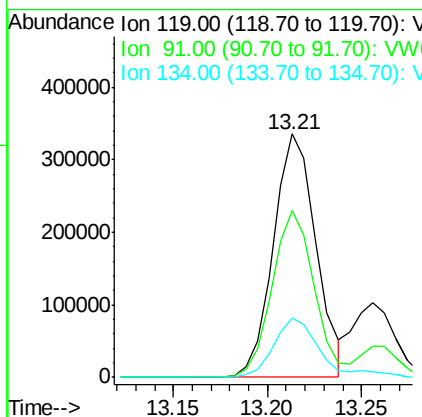
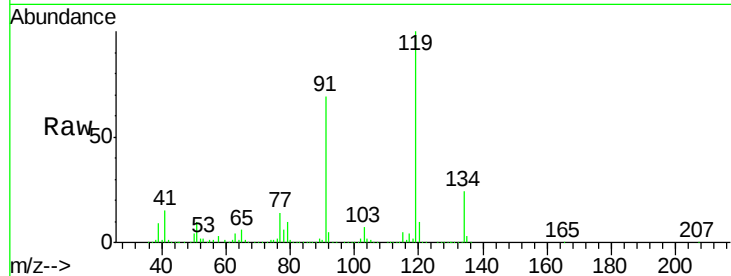
#83
tert-Butylbenzene
Concen: 53.20 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.2	99.6
134	26.5	13.0	38.9

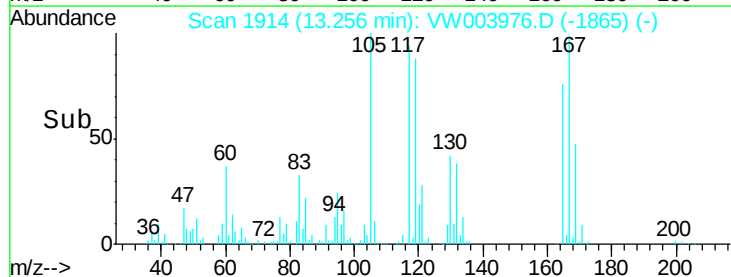
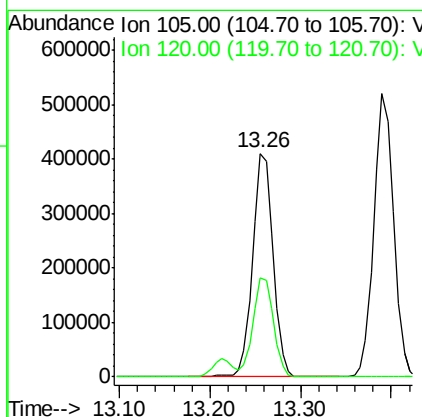
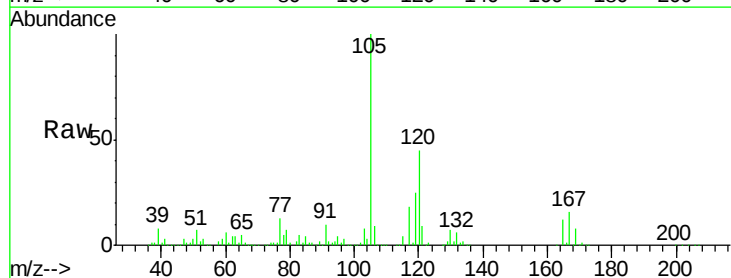
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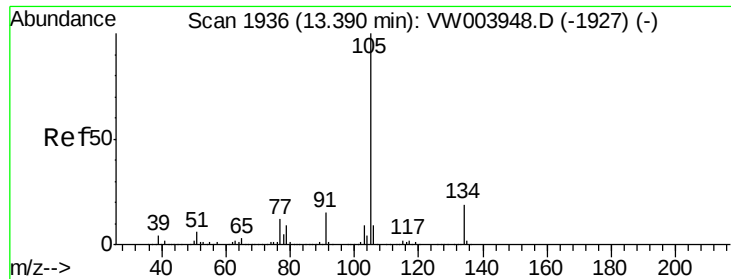
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#84
1,2,4-Trimethylbenzene
Concen: 52.62 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.1





#85

sec-Butylbenzene

Concen: 53.34 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 784694

Ion Ratio Lower Upper

105 100

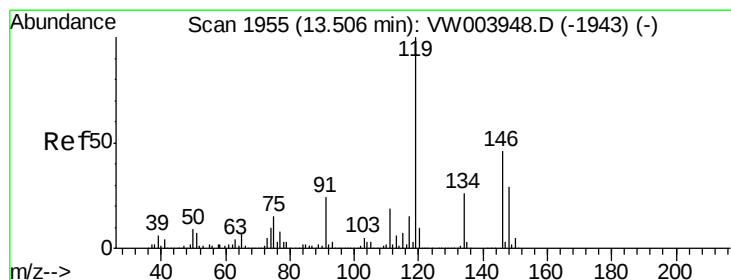
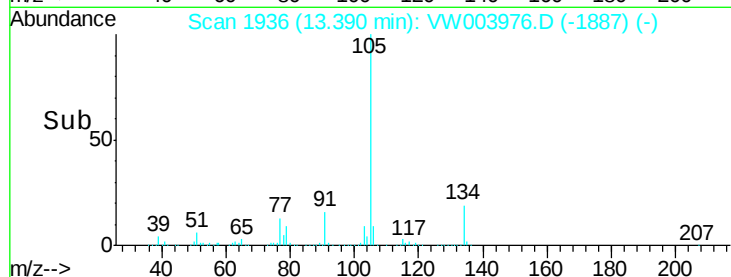
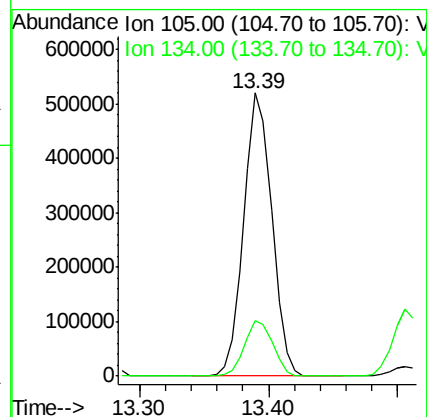
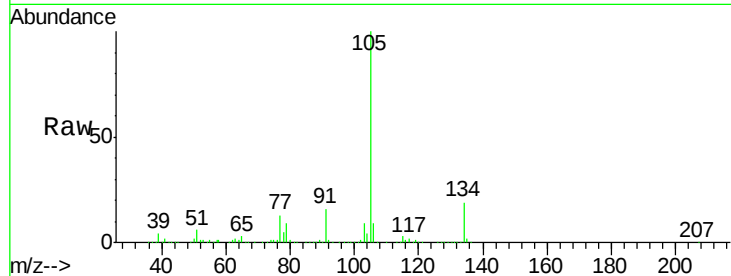
134 19.7 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 53.52 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003976.D

Acq: 17 Jul 2018 11:02

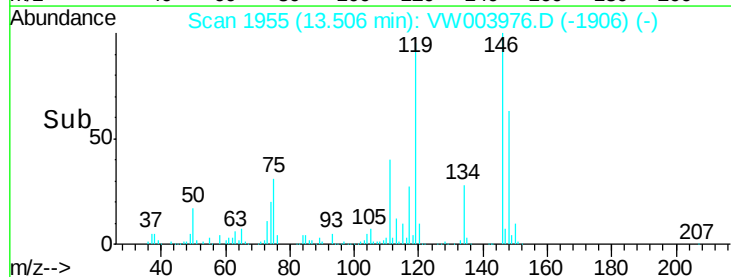
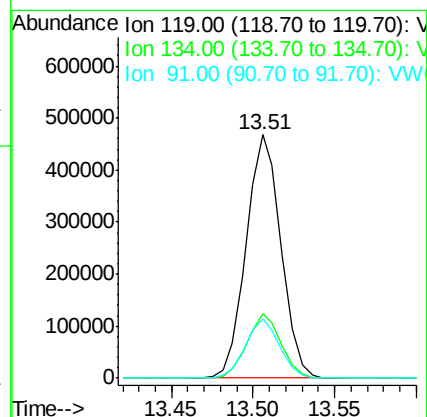
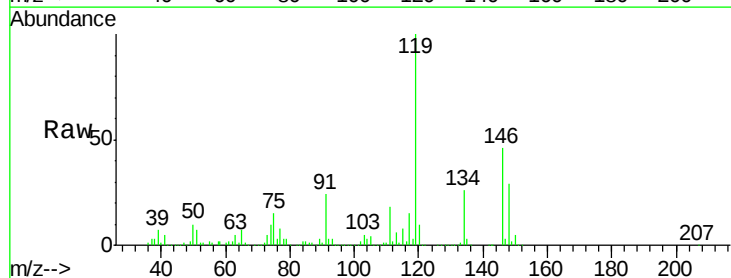
Tgt Ion:119 Resp: 690542

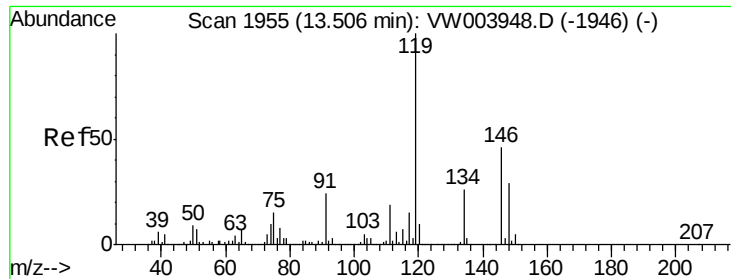
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.8 11.8 35.3





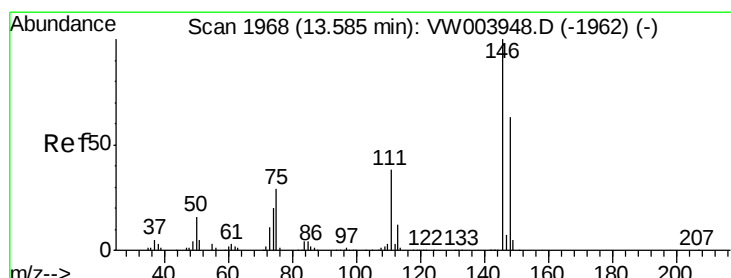
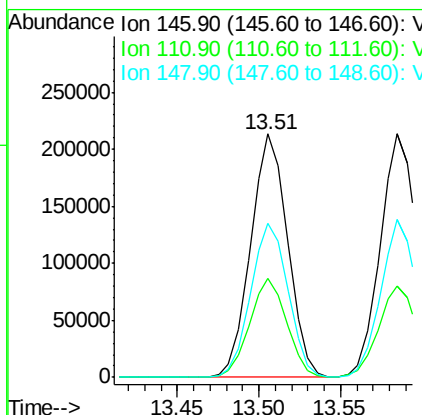
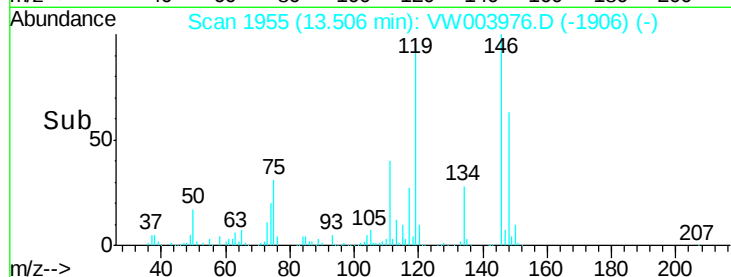
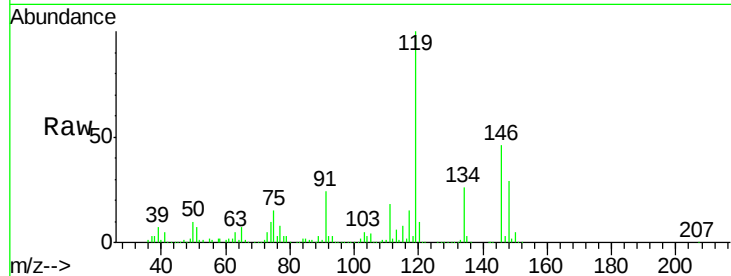
#87
 1,3-Dichlorobenzene
 Concen: 50.26 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.6	19.9	59.6	
148	63.9	31.9	95.5	

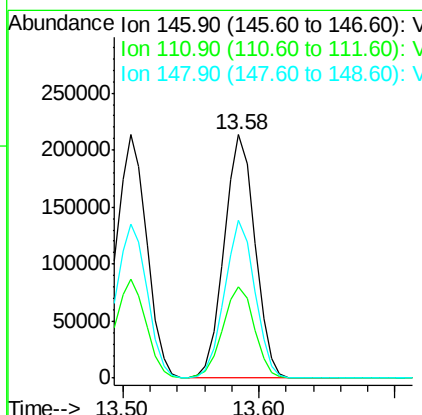
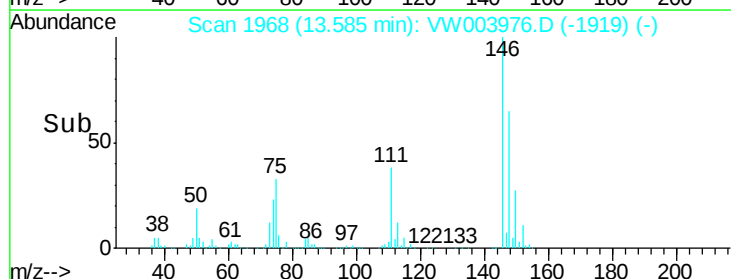
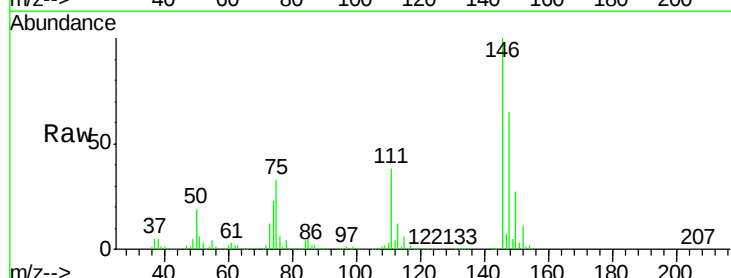
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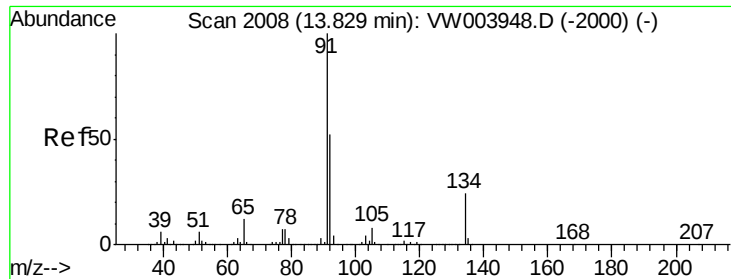
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#88
 1,4-Dichlorobenzene
 Concen: 49.95 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.6	19.6	58.7	
148	63.9	32.3	96.8	





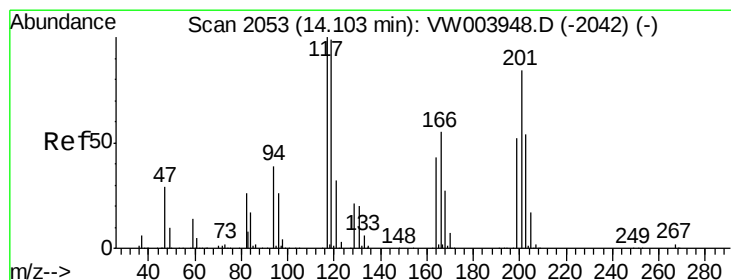
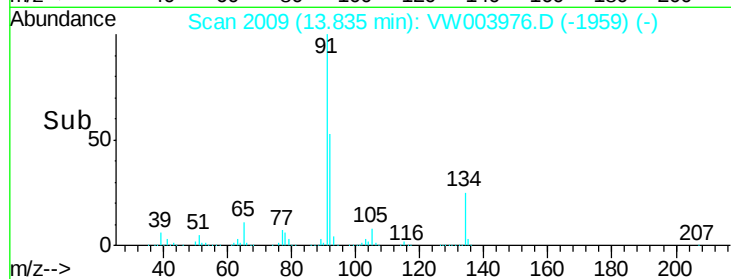
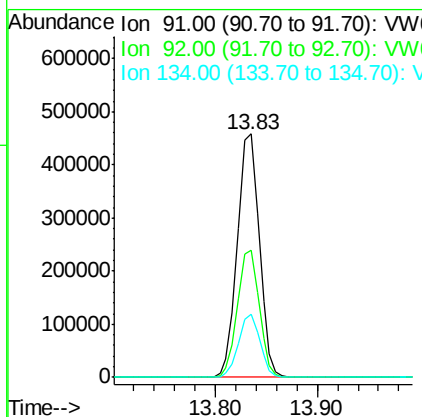
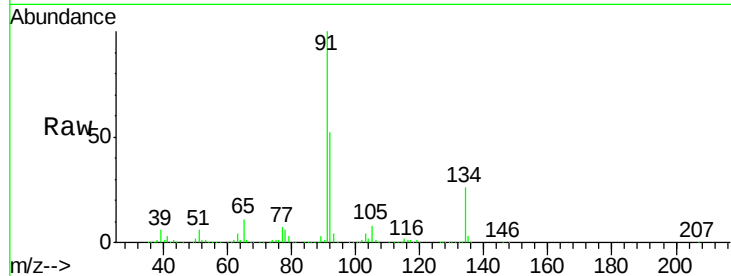
#89
n-Butylbenzene
Concen: 53.64 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	25.4	12.4	37.4

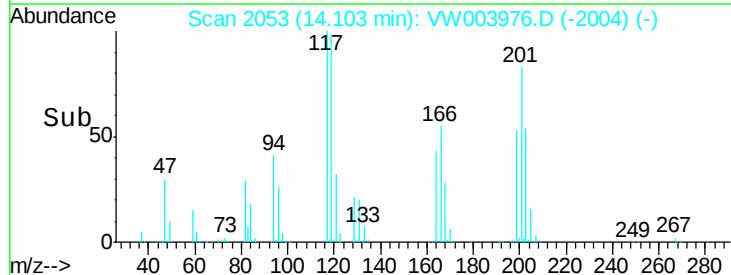
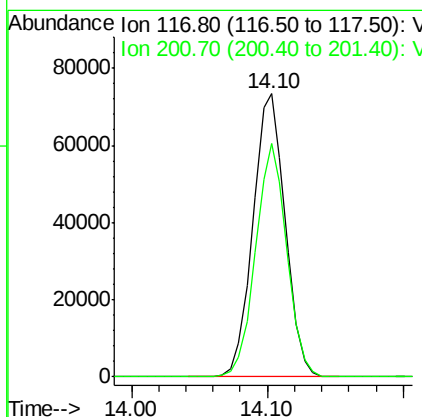
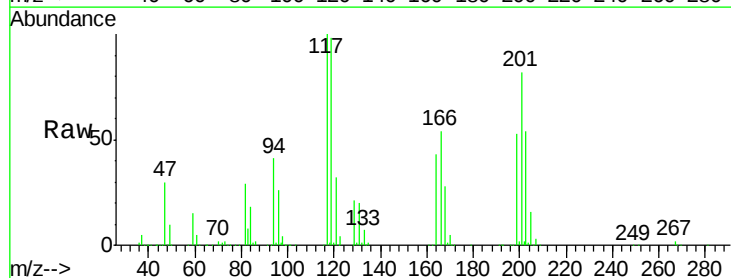
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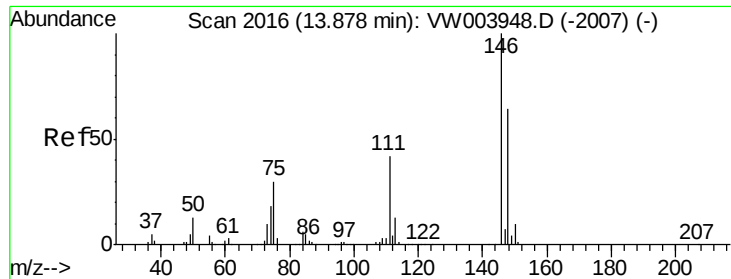
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#90
Hexachloroethane
Concen: 51.30 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	40.3	120.9





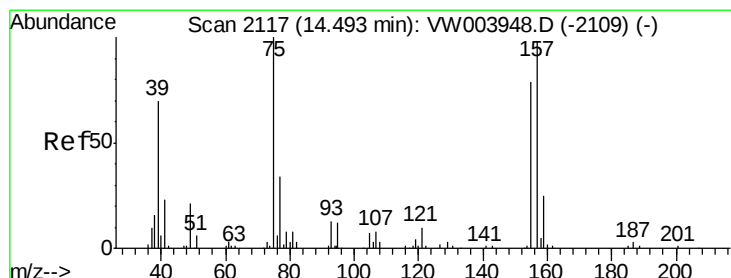
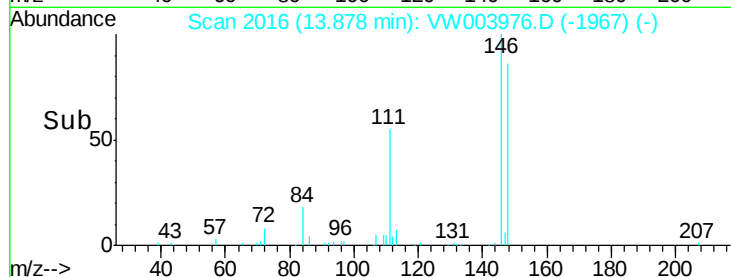
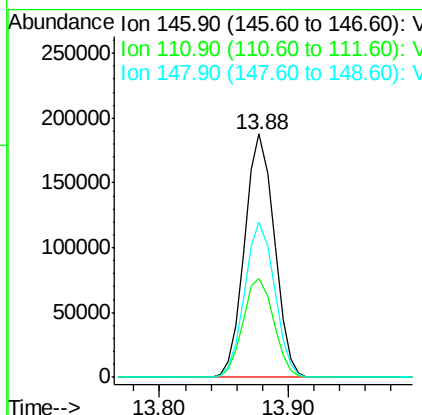
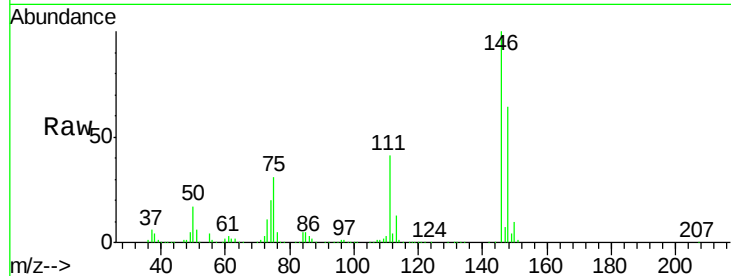
#91
 1,2-Dichlorobenzene
 Concen: 50.16 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299728		
111	41.9	20.7	62.1	
148	64.2	32.0	96.2	

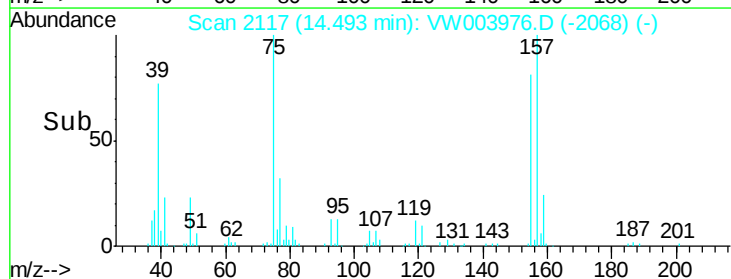
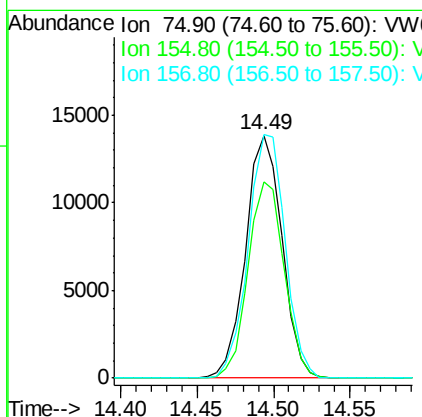
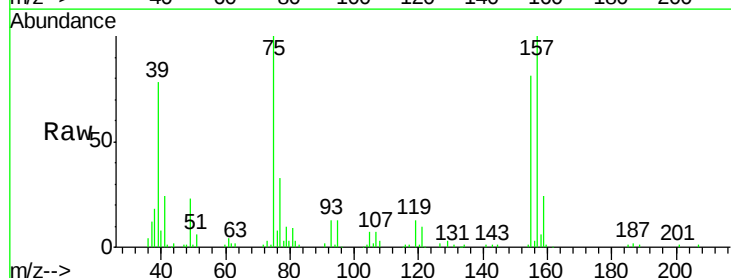
Manual Integrations
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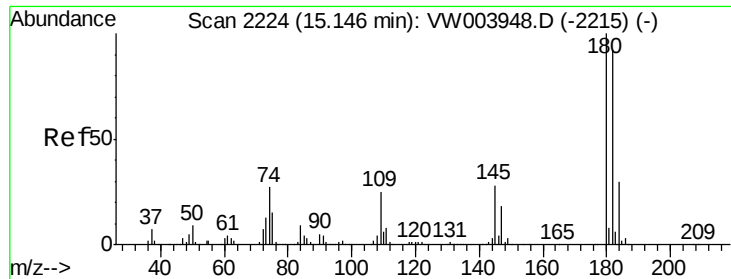
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.49 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22917		
155	80.7	39.4	118.1	
157	102.2	51.8	155.4	





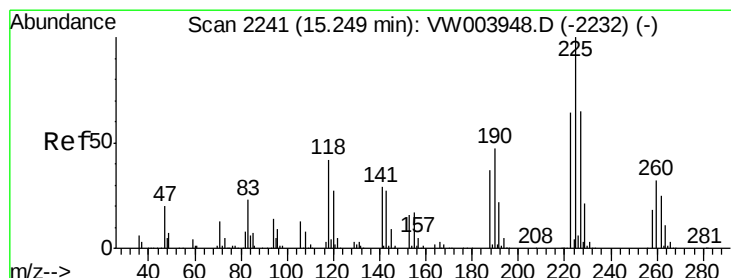
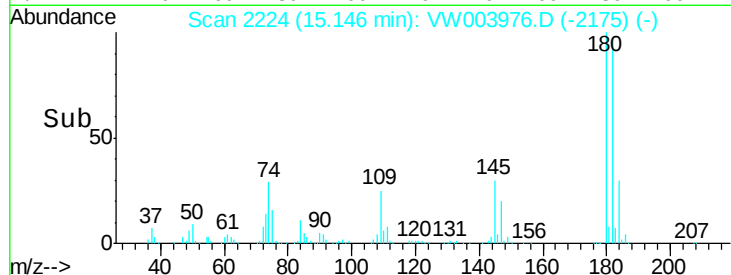
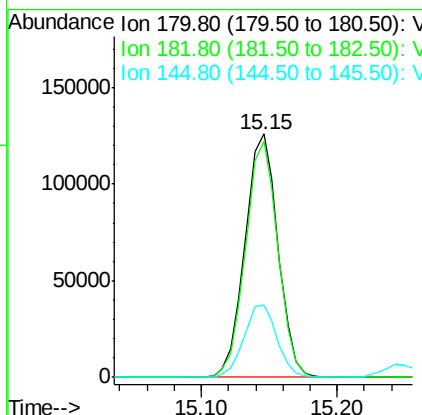
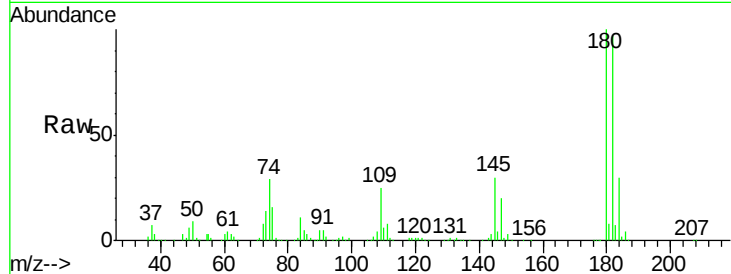
#93
 1,2,4-Trichlorobenzene
 Concen: 50.84 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213331		
182	95.4	46.9	140.8	
145	29.8	15.0	45.0	

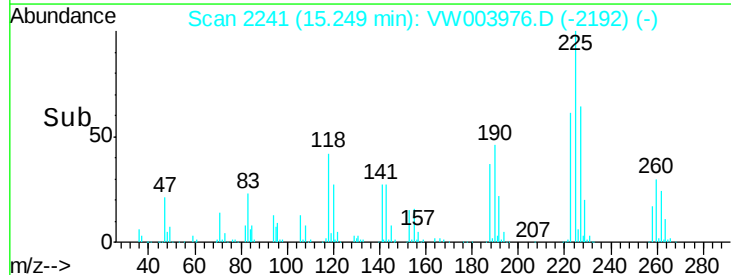
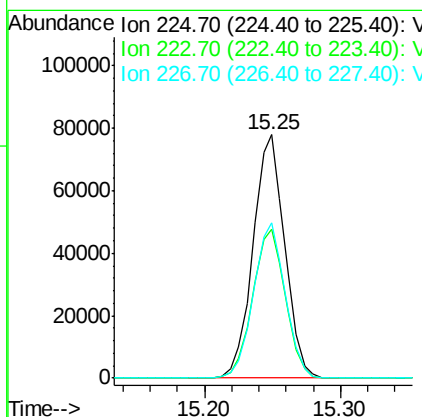
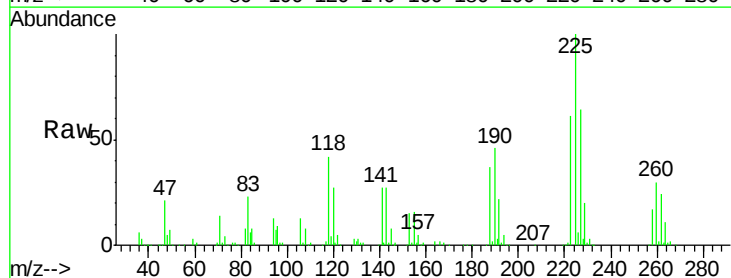
Manual Integrations
 APPROVED

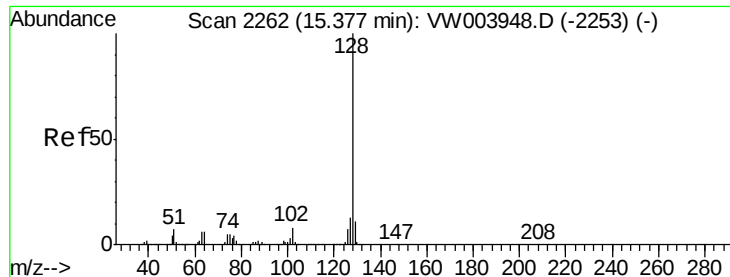
apatel
 7/18/2018 10:29:43 AM



#94
 Hexachlorobutadiene
 Concen: 52.82 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003976.D
 Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127266		
223	63.0	32.0	96.2	
227	63.8	32.3	96.9	





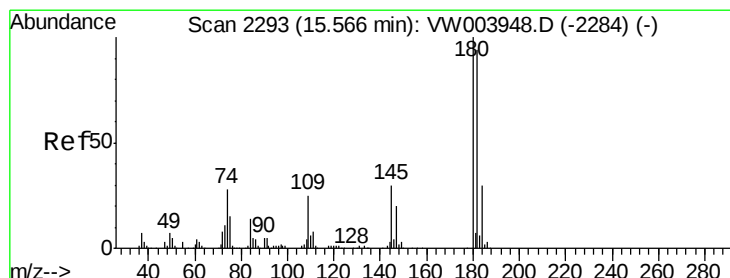
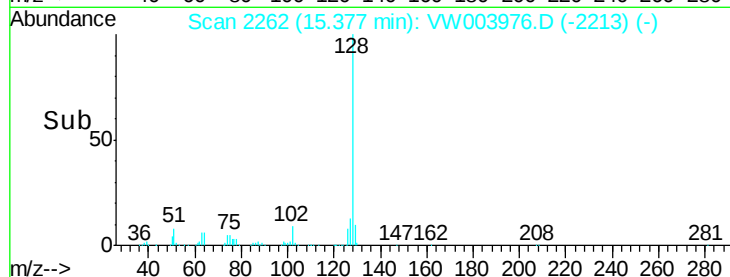
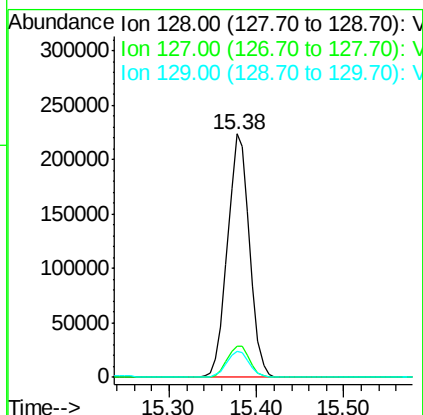
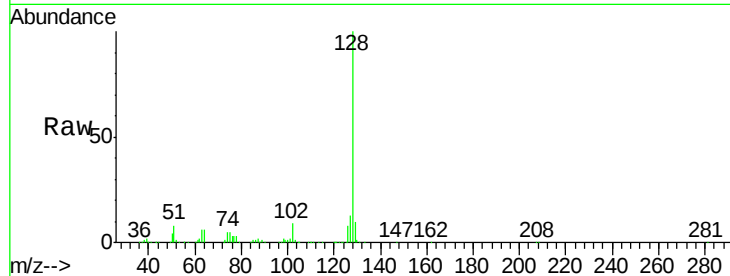
#95
Naphthalene
Concen: 50.42 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
7/18/2018 10:29:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.48 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003976.D
Acq: 17 Jul 2018 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.6
145	31.7	15.8	47.4

