

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003947.D
 Acq On : 16 Jul 2018 12:49
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:04 AM

Quant Time: Jul 16 14:43:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	402273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60389	18.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.42%	
35) Dibromofluoromethane	7.88	113	52812	18.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.54%	
50) Toluene-d8	10.33	98	208053	18.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.98%	
62) 4-Bromofluorobenzene	12.62	95	75246	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33683	23.41	ug/l	94
3) Chloromethane	2.20	50	44125	19.31	ug/l	99
4) Vinyl Chloride	2.35	62	60411	19.36	ug/l	98
5) Bromomethane	2.77	94	39467	19.64	ug/l	93
6) Chloroethane	2.92	64	34256	18.63	ug/l	99
7) Trichlorofluoromethane	3.25	101	24488	18.79	ug/l	90
8) Diethyl Ether	3.67	74	28142	19.84	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	56274	20.65	ug/l	97
10) Methyl Iodide	4.26	142	80566	19.97	ug/l	98
11) Tert butyl alcohol	5.21	59	19331m	94.43	ug/l	
12) 1,1-Dichloroethene	4.03	96	54638	20.41	ug/l	96
13) Acrolein	3.89	56	23219	98.74	ug/l	100
14) Allyl chloride	4.65	41	89464	19.20	ug/l	98
15) Acrylonitrile	5.37	53	70821	101.19	ug/l	100
16) Acetone	4.13	43	66052	94.02	ug/l	97
17) Carbon Disulfide	4.37	76	175221	20.25	ug/l	100
18) Methyl Acetate	4.67	43	34129	19.35	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	106436	20.15	ug/l	96
20) Methylene Chloride	4.91	84	82316	17.73	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	61175	19.88	ug/l	97
22) Diisopropyl ether	6.31	45	188596	19.59	ug/l	99
23) Vinyl Acetate	6.26	43	586870	99.51	ug/l	100
24) 1,1-Dichloroethane	6.21	63	114393	19.84	ug/l	99
25) 2-Butanone	7.18	43	98073	100.27	ug/l	100
26) 1,2-Dichloropropane	7.17	77	66978	20.49	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	66761	20.09	ug/l	98
28) Bromochloromethane	7.51	49	46806	18.68	ug/l #	99
29) Tetrahydrofuran	7.53	42	61111	98.91	ug/l	100
30) Chloroform	7.68	83	114789	19.80	ug/l	95
31) Cyclohexane	7.95	56	103113	19.38	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	88995	19.77	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92772	20.34	ug/l	99
37) Ethyl Acetate	7.26	43	42482	20.07	ug/l	99
38) Carbon Tetrachloride	8.07	117	85680	20.07	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105004	20.23	ug/l	97
40) Benzene	8.32	78	258918	20.30	ug/l	98
41) Methacrylonitrile	7.49	41	23954	19.69	ug/l	95
42) 1,2-Dichloroethane	8.40	62	78347	19.94	ug/l	100
43) Isopropyl Acetate	8.43	43	79794	20.00	ug/l	99
44) Trichloroethene	9.09	130	66574	20.45	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66106	20.21	ug/l	100
46) Dibromomethane	9.46	93	34012	20.26	ug/l	100
47) Bromodichloromethane	9.65	83	83358	19.97	ug/l	99
48) Methyl methacrylate	9.44	41	38601	20.19	ug/l	99
49) 1,4-Dioxane	9.46	88	9463	370.46	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	211895	99.87	ug/l	100
52) Toluene	10.39	92	160229	20.19	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	85866	20.08	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99363	20.31	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	47053	19.81	ug/l	98
56) Ethyl methacrylate	10.65	69	57917	19.48	ug/l	97
57) 1,3-Dichloropropane	10.94	76	82244	19.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145745	104.30	ug/l	99
59) 2-Hexanone	10.98	43	150636	102.53	ug/l	96
60) Dibromochloromethane	11.13	129	54557	19.82	ug/l	100
61) 1,2-Dibromoethane	11.24	107	45261	20.40	ug/l	98
64) Tetrachloroethene	10.87	164	55062	19.24	ug/l	98
65) Chlorobenzene	11.66	112	173321	19.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	60453	20.09	ug/l	99
67) Ethyl Benzene	11.74	91	305363	20.20	ug/l	97
68) m/p-Xylenes	11.85	106	234380	40.32	ug/l	99
69) o-Xylene	12.17	106	109535	20.44	ug/l	98
70) Styrene	12.19	104	180621	20.01	ug/l	100
71) Bromoform	12.35	173	33074	20.03	ug/l #	98
73) Isopropylbenzene	12.47	105	297093	20.34	ug/l	100
74) N-amyl acetate	12.28	43	76130	20.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	57140	20.50	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41735m	18.17	ug/l	
77) Bromobenzene	12.76	156	71802	20.54	ug/l	98
78) n-propylbenzene	12.81	91	368839	20.43	ug/l	100
79) 2-Chlorotoluene	12.90	91	208654	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	255760	20.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	17960	20.76	ug/l	96
82) 4-Chlorotoluene	12.99	91	222335	20.23	ug/l	99
83) tert-Butylbenzene	13.21	119	209427	20.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	261765	20.45	ug/l	99
85) sec-Butylbenzene	13.39	105	312824	20.23	ug/l	99
86) p-Isopropyltoluene	13.51	119	276042	20.37	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	144239	20.44	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	142974	20.19	ug/l	99
89) n-Butylbenzene	13.83	91	269908	20.25	ug/l	99
90) Hexachloroethane	14.10	117	49701	19.79	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	129281	20.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9867	20.31	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	89592	20.57	ug/l	98
94) Hexachlorobutadiene	15.25	225	50680	20.18	ug/l	99
95) Naphthalene	15.38	128	157288	20.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	77699	20.12	ug/l	97

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

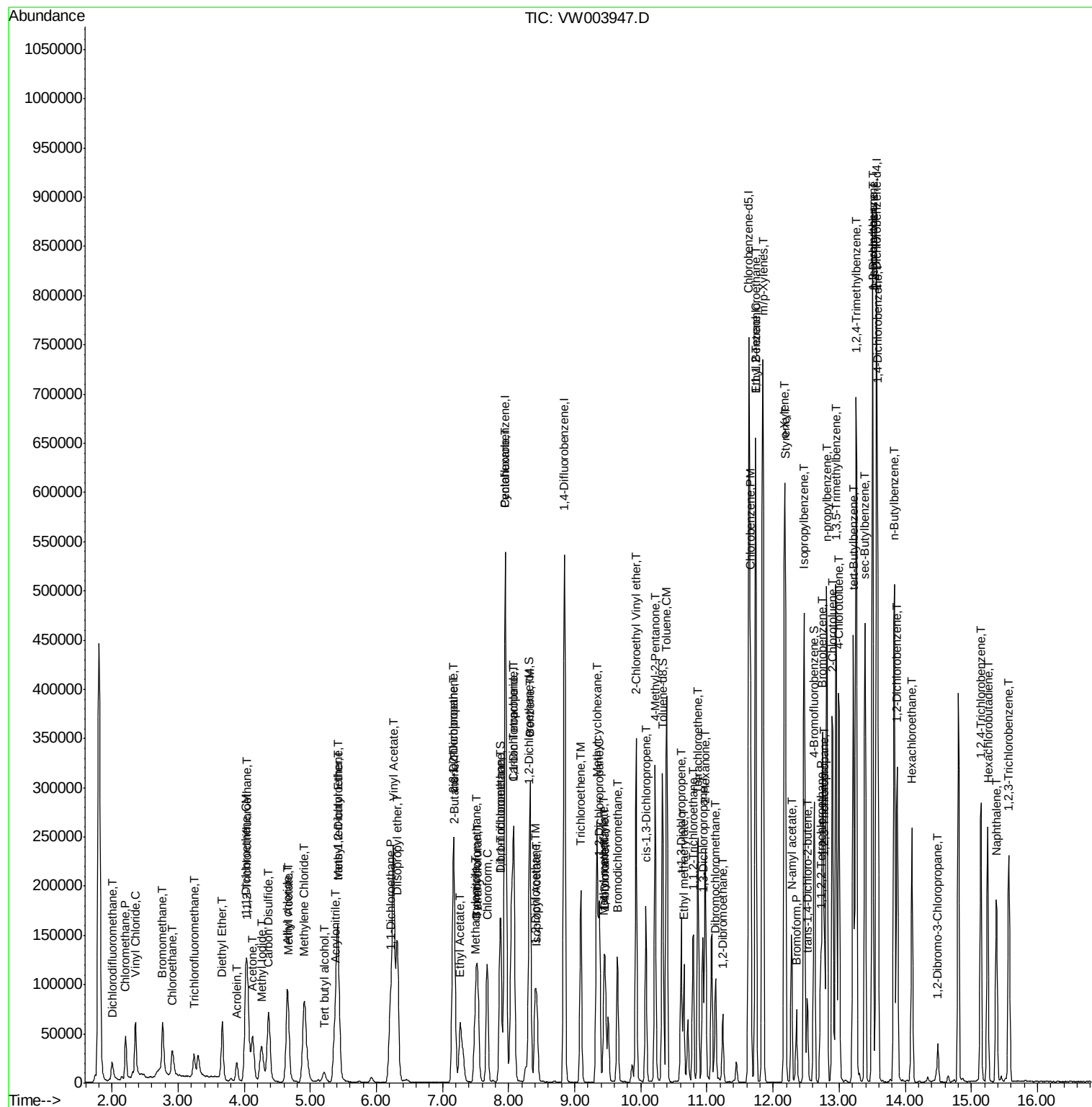
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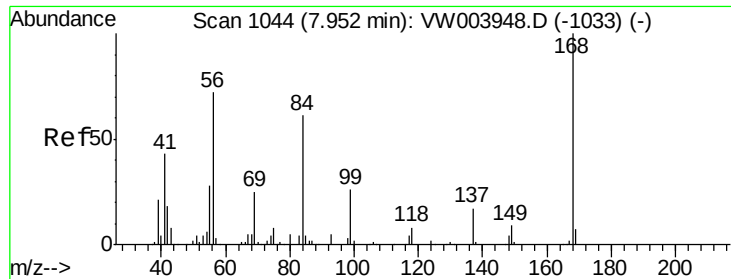
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 283815

Ion Ratio Lower Upper

168 100

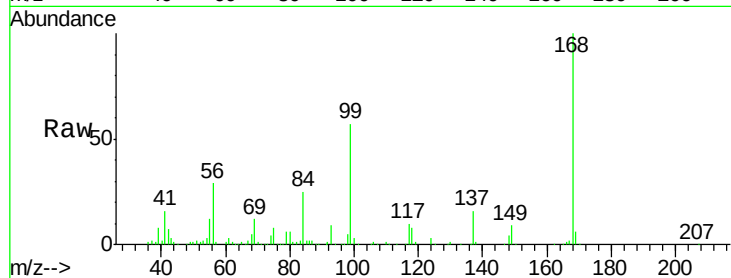
99 57.4 43.8 65.6

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

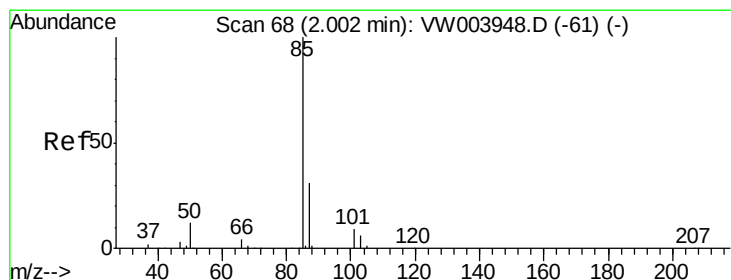
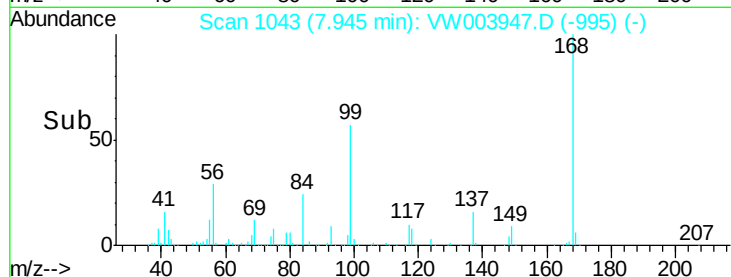
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.41 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003947.D

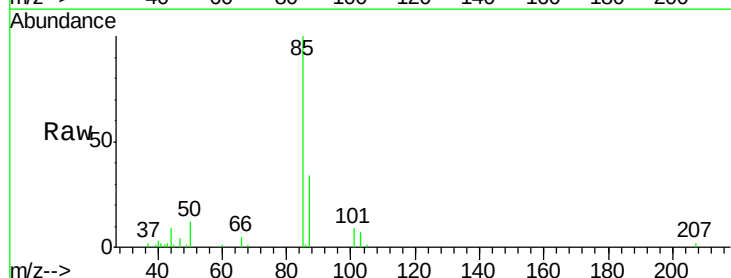
Acq: 16 Jul 2018 12:49

Tgt Ion: 85 Resp: 33683

Ion Ratio Lower Upper

85 100

87 34.0 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

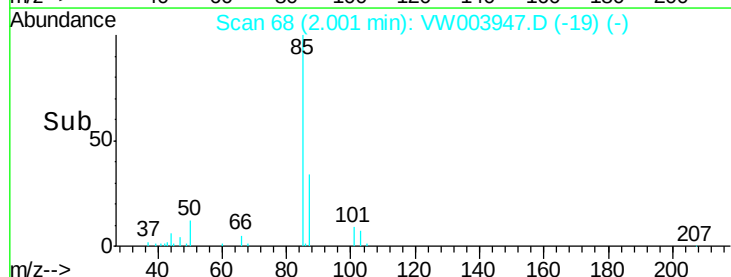
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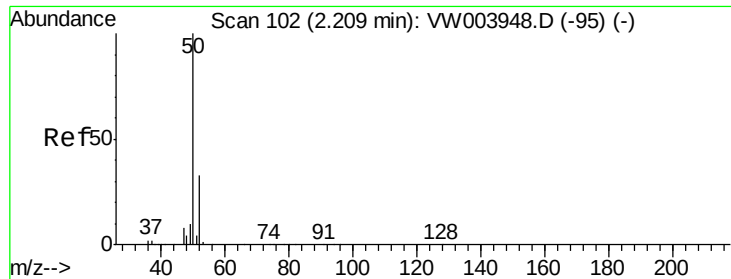
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.31 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 44125

Ion Ratio Lower Upper

50 100

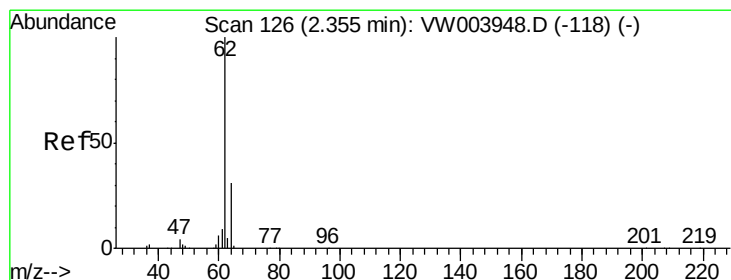
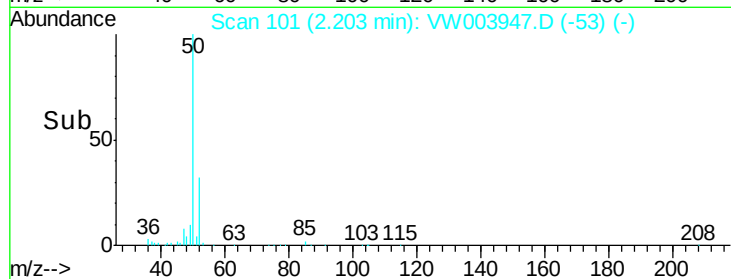
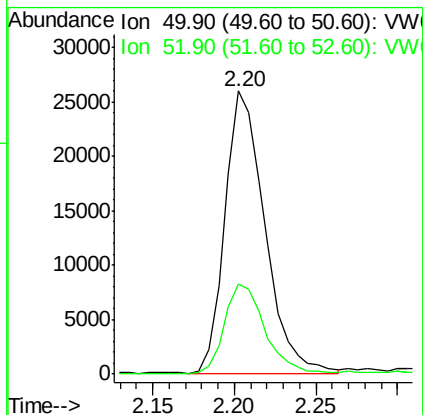
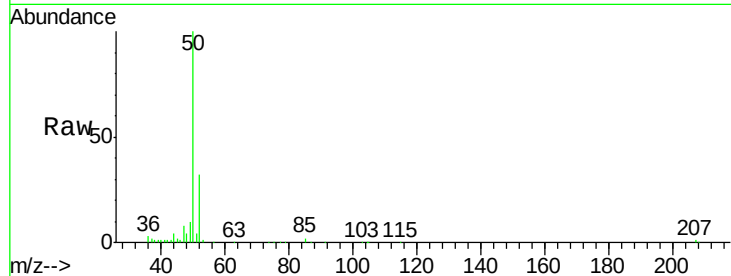
52 32.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.36 ug/l

RT: 2.35 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003947.D

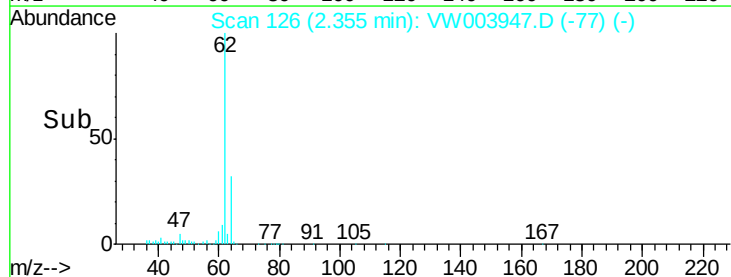
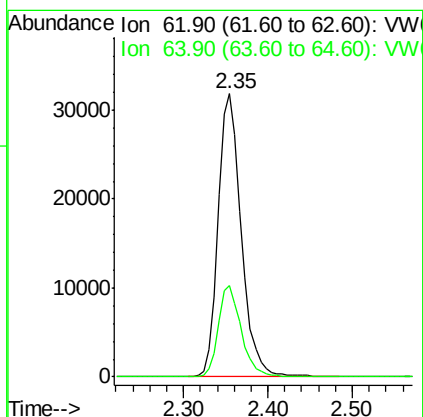
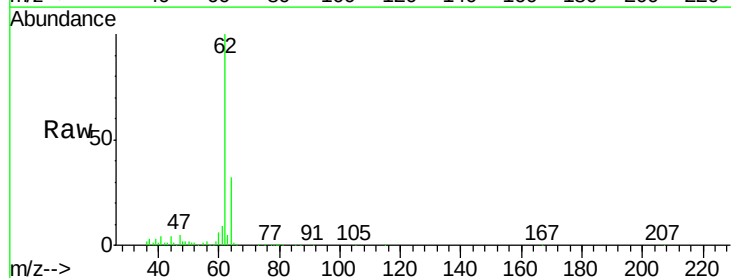
Acq: 16 Jul 2018 12:49

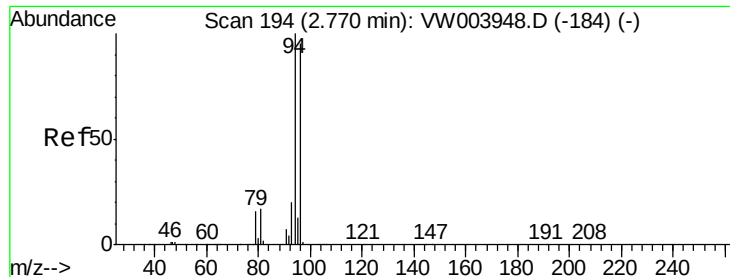
Tgt Ion: 62 Resp: 60411

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6





#5

Bromomethane

Concen: 19.64 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 39467

Ion Ratio Lower Upper

94 100

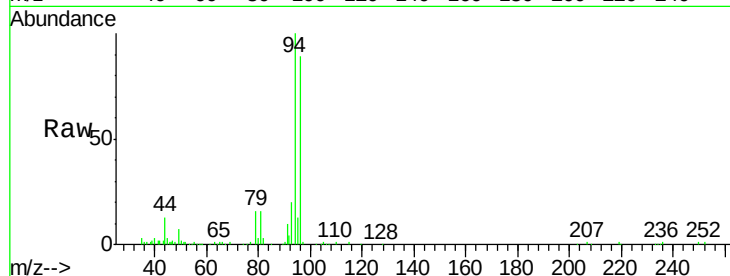
96 87.9 75.8 113.6

Manual Integrations

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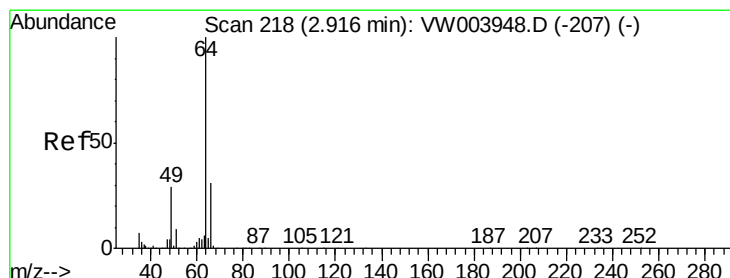
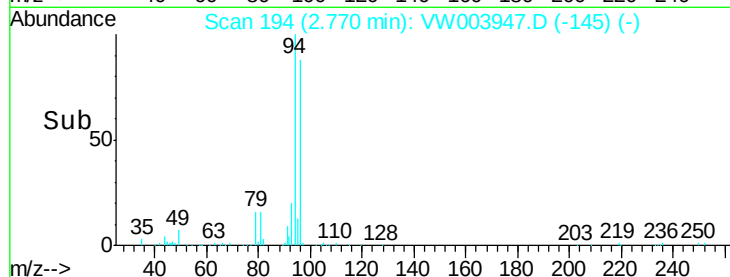
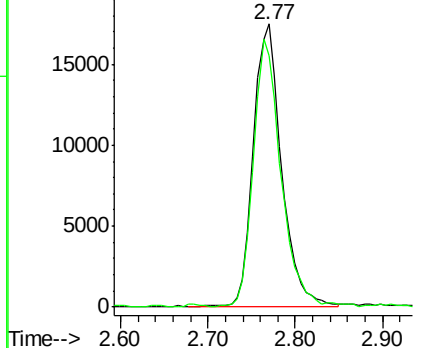
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.63 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003947.D

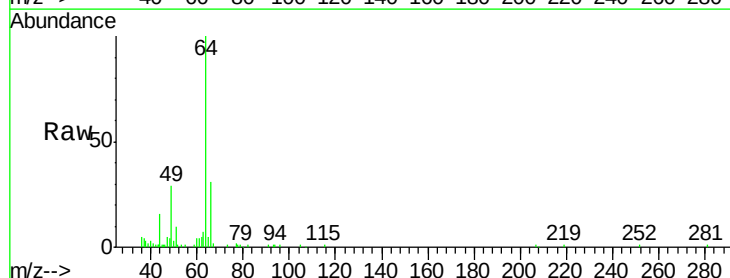
Acq: 16 Jul 2018 12:49

Tgt Ion: 64 Resp: 34256

Ion Ratio Lower Upper

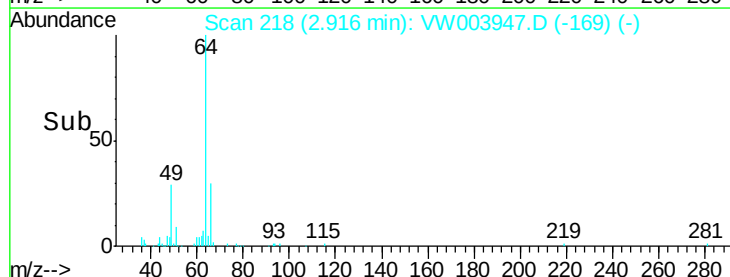
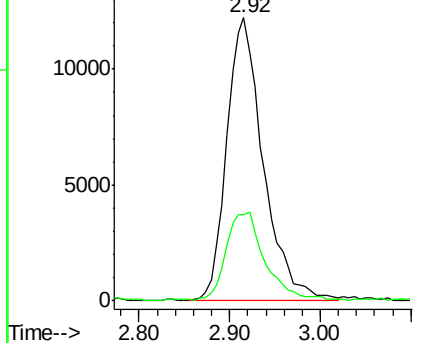
64 100

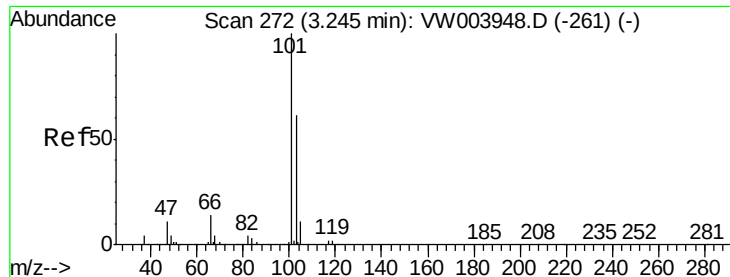
66 29.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

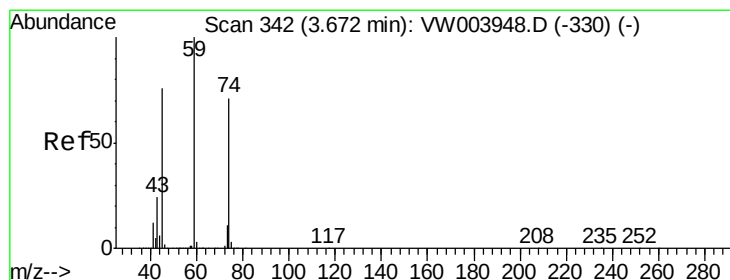
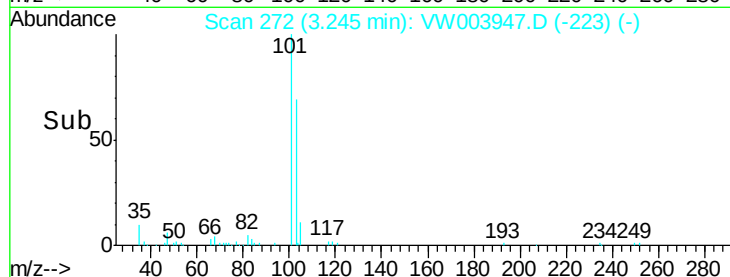
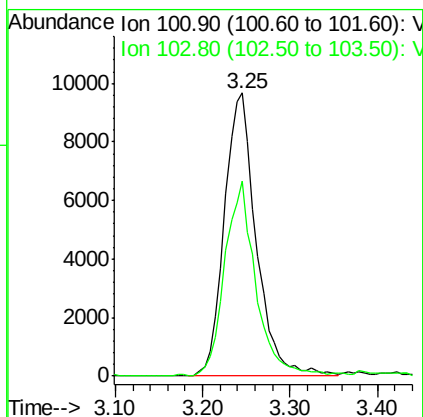
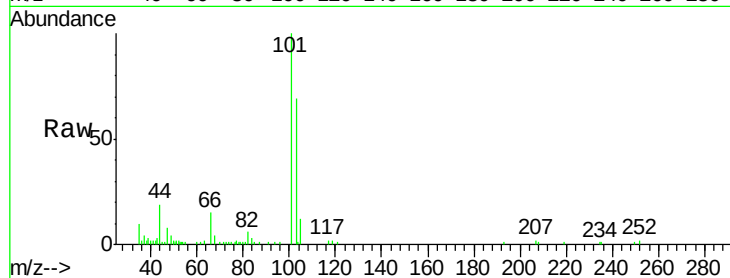
Trichlorofluoromethane
 Concen: 18.79 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

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 MSVOA_W
 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.8	49.0	73.6

Manual Integrations
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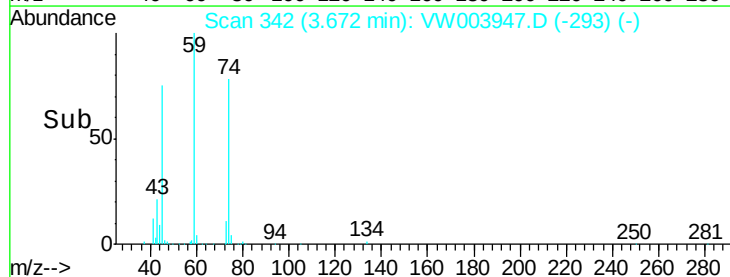
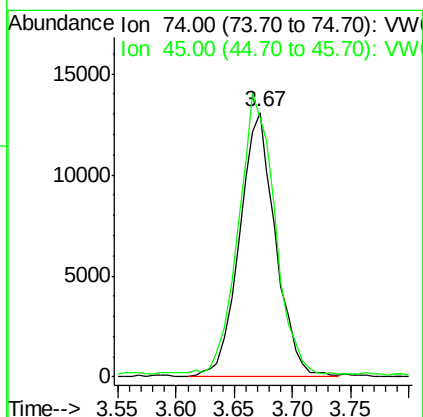
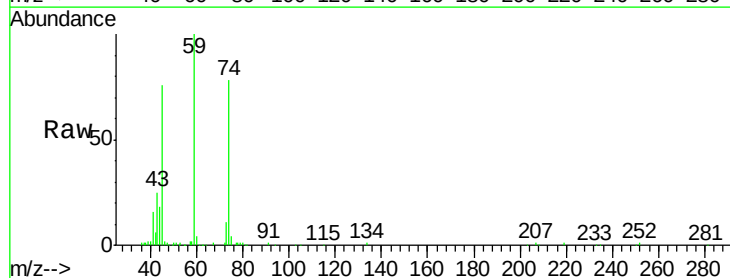
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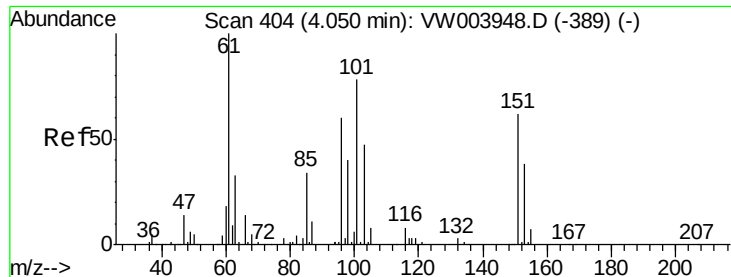


#8

Diethyl Ether
 Concen: 19.84 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.65 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW003947.D

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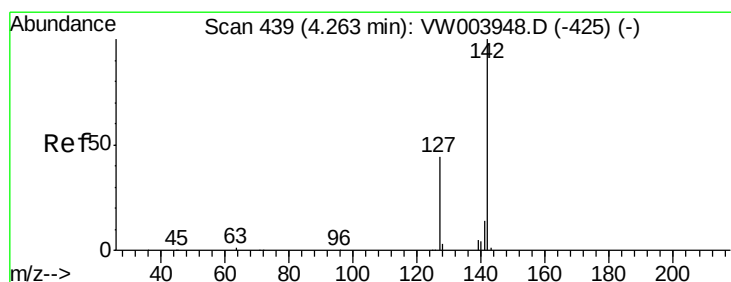
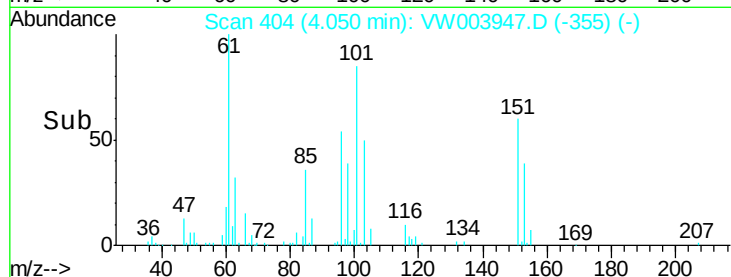
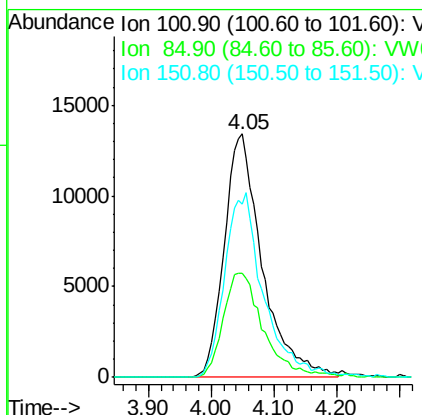
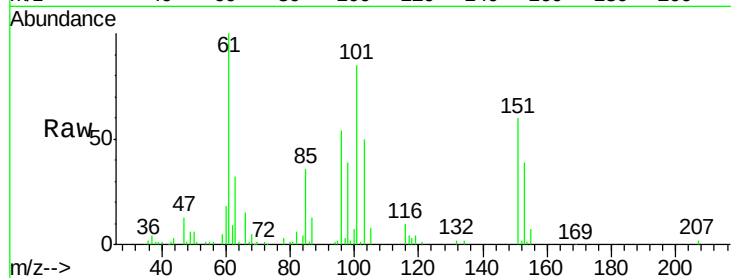
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	56274
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.8	53.6
151	75.9	63.6	95.4

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#10

Methyl Iodide

Concen: 19.97 ug/l

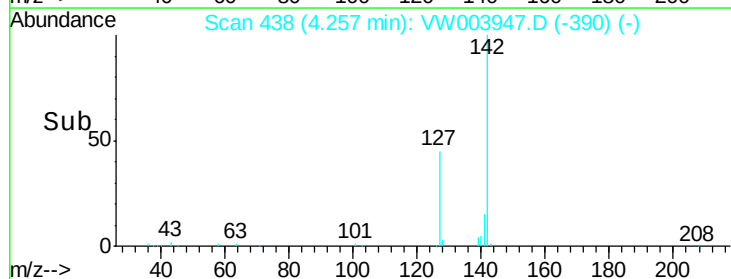
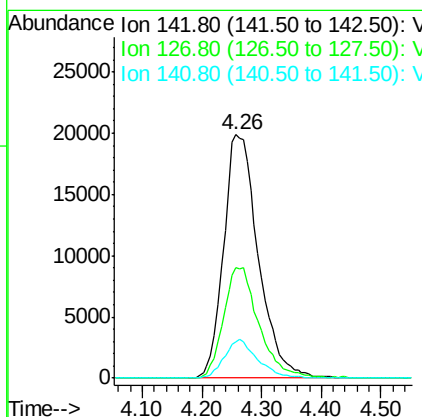
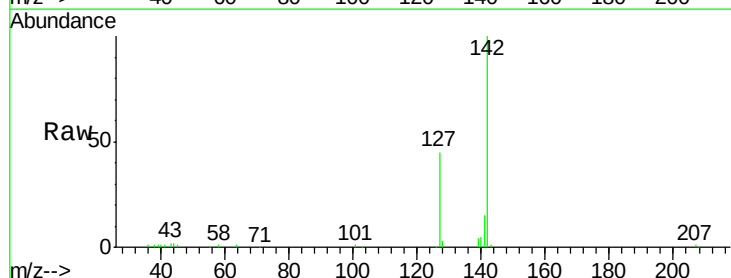
RT: 4.26 min Scan# 438

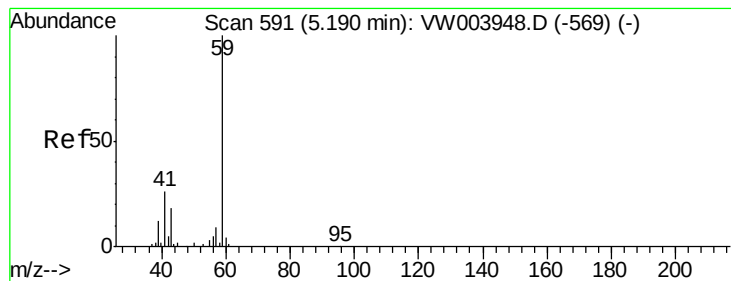
Delta R.T. -0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	142	Resp:	80566
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.4	53.2
141	15.0	11.7	17.5





#11

Tert butyl alcohol

Concen: 94.43 ug/l m

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 59 Resp: 19331

Ion Ratio Lower Upper

59 100

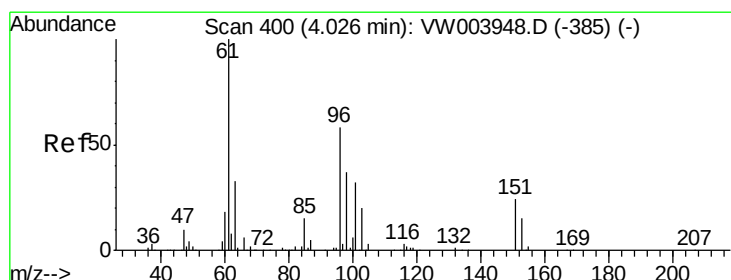
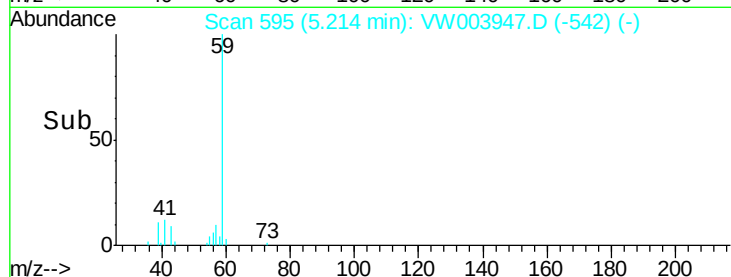
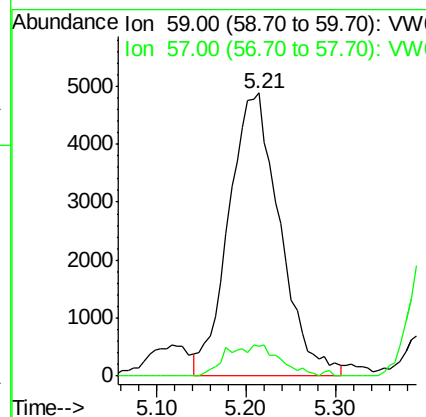
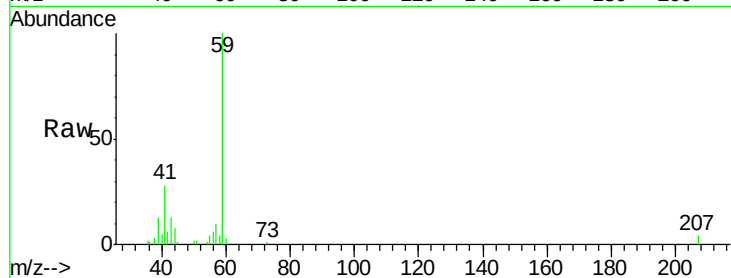
57 11.6 8.5 12.7

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#12

1,1-Dichloroethene

Concen: 20.41 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

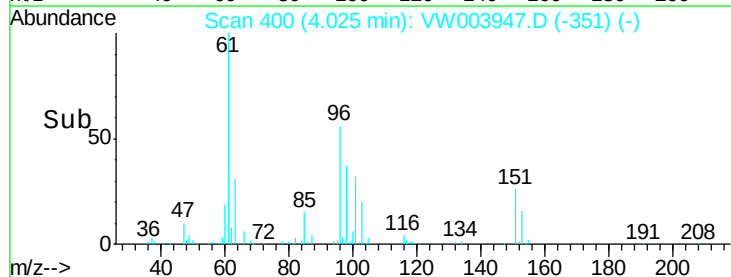
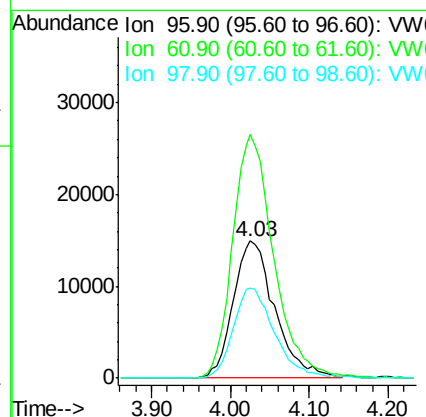
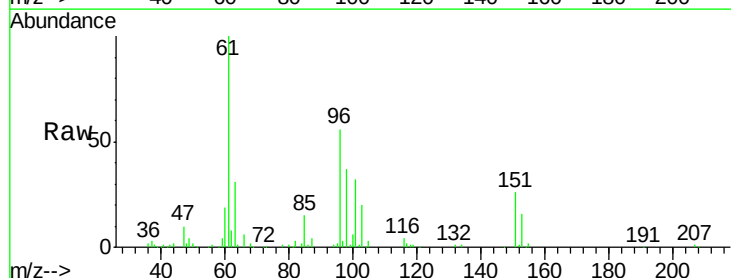
Tgt Ion: 96 Resp: 54638

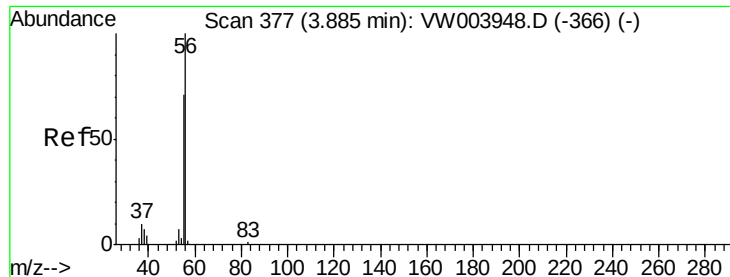
Ion Ratio Lower Upper

96 100

61 177.1 137.0 205.6

98 66.1 50.2 75.4





#13

Acrolein

Concen: 98.74 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 23219

Ion Ratio Lower Upper

56 100

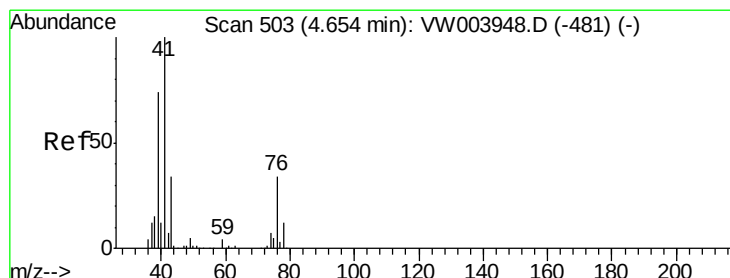
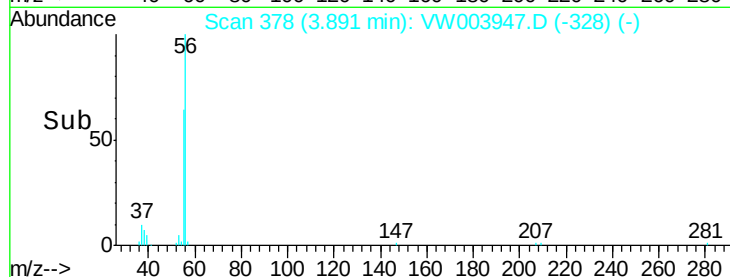
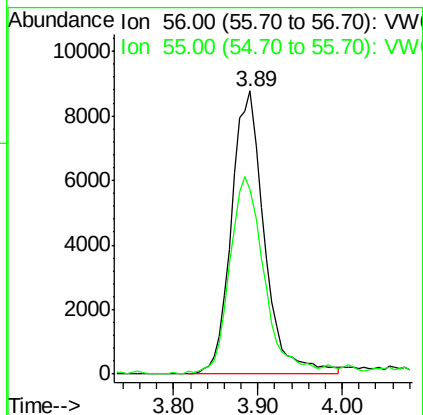
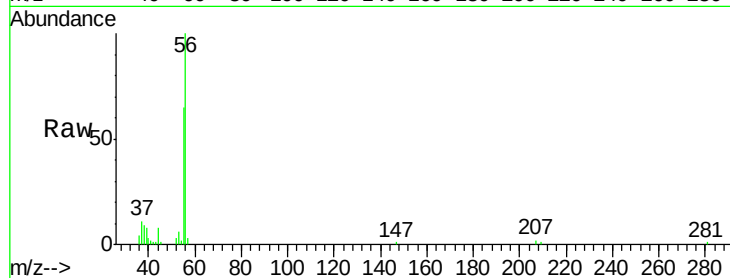
55 73.0 58.2 87.4

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#14

Allyl chloride

Concen: 19.20 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

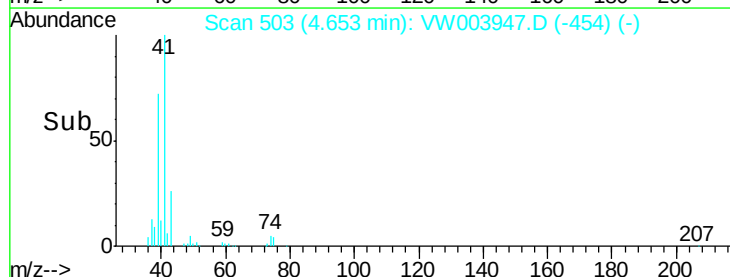
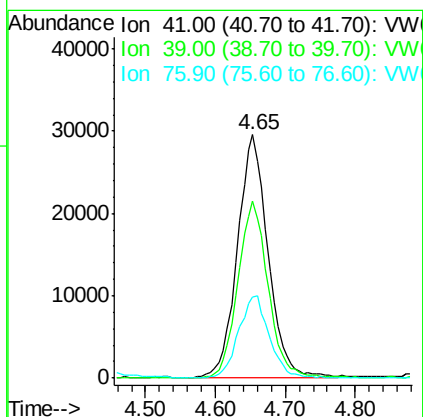
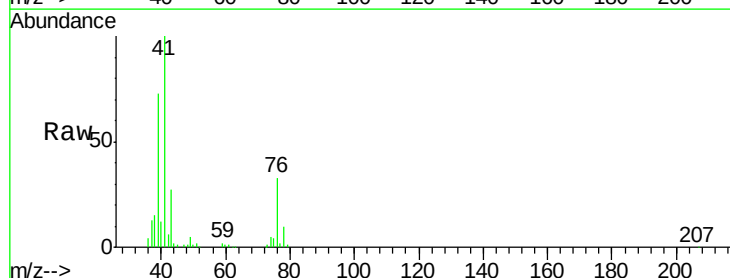
Tgt Ion: 41 Resp: 89464

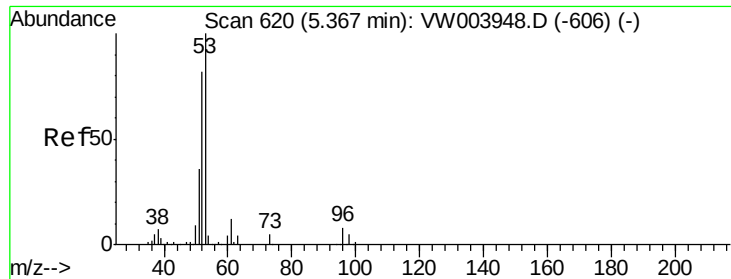
Ion Ratio Lower Upper

41 100

39 72.7 57.0 85.4

76 34.0 26.5 39.7





#15

Acrylonitrile

Concen: 101.19 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

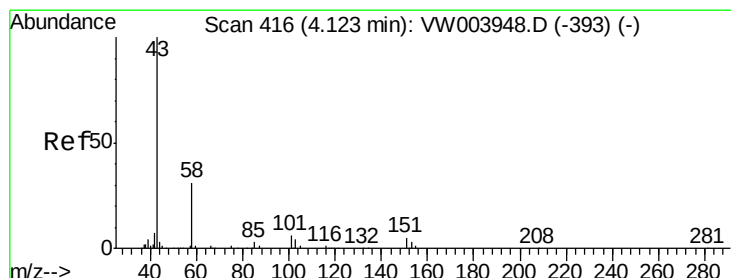
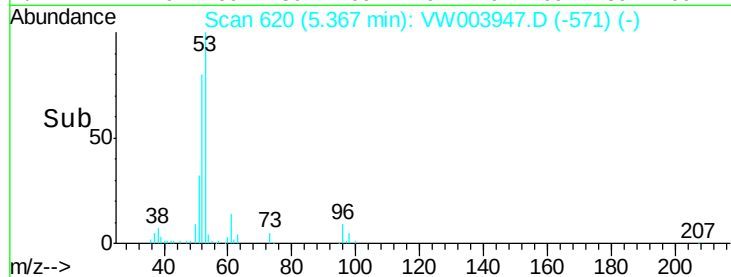
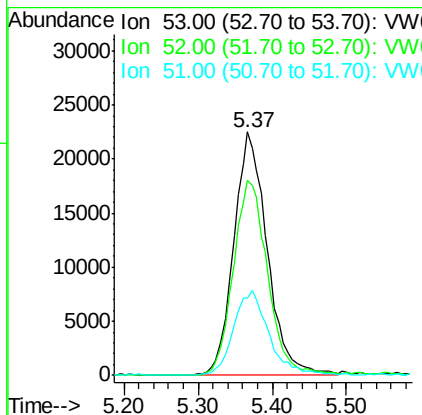
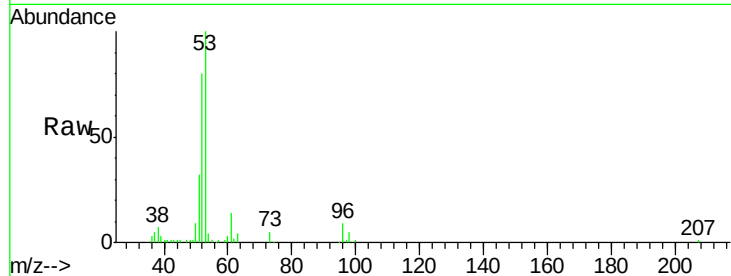
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	70821
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.1	99.1
51	36.9	29.8	44.6

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#16

Acetone

Concen: 94.02 ug/l

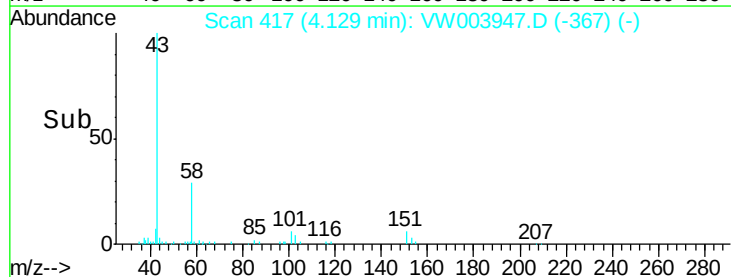
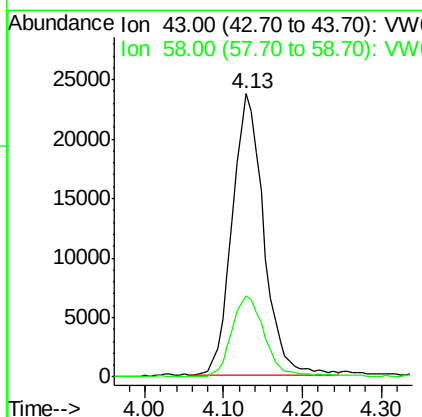
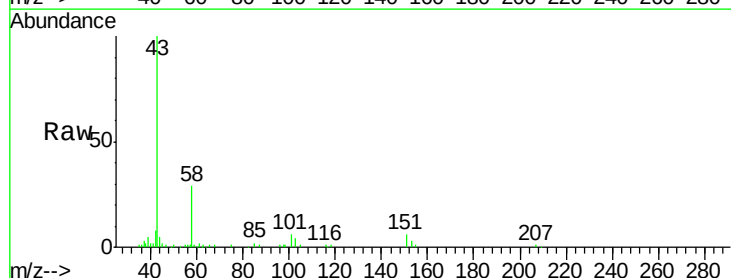
RT: 4.13 min Scan# 417

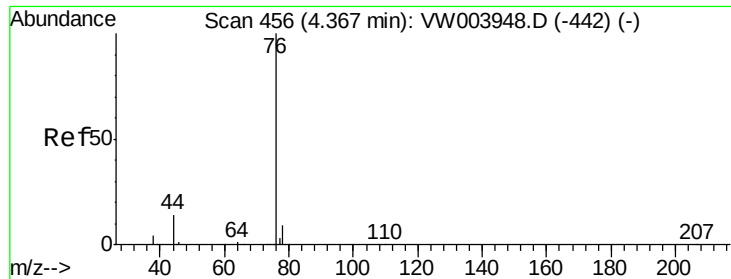
Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	43	Resp:	66052
Ion Ratio	Lower	Upper	
43	100		
58	28.7	24.5	36.7





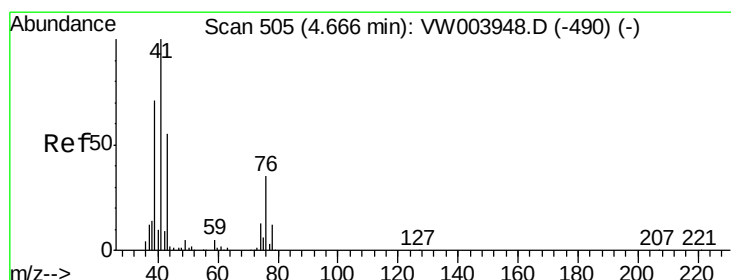
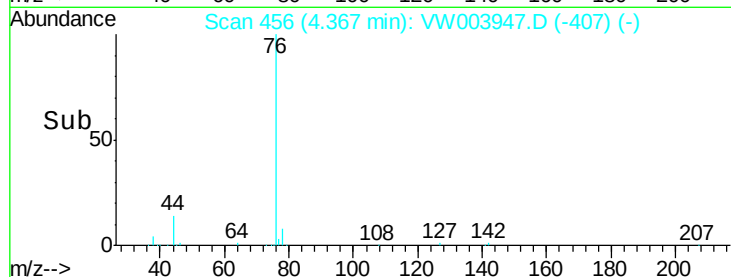
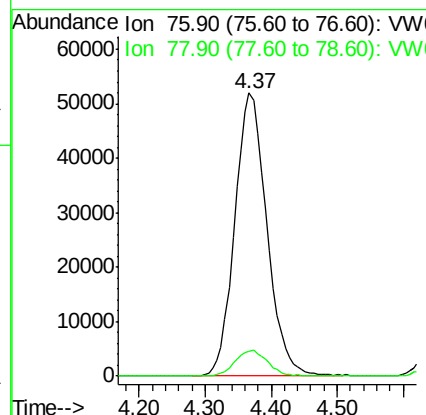
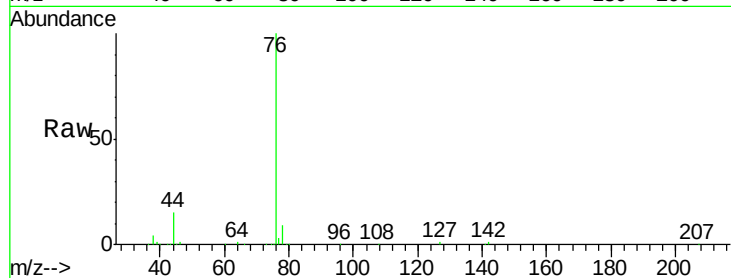
#17
Carbon Disulfide
Concen: 20.25 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

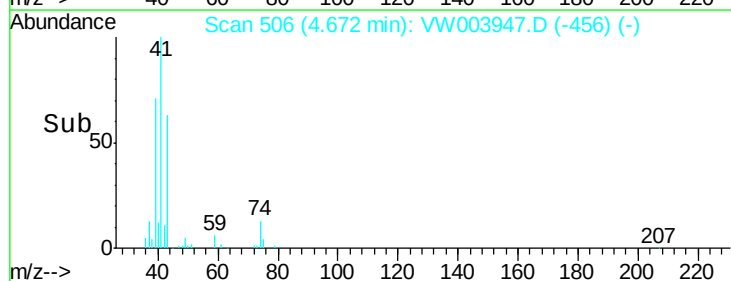
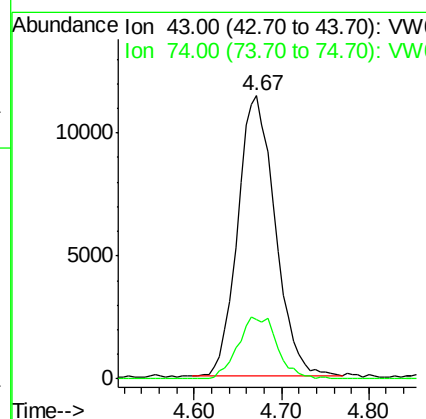
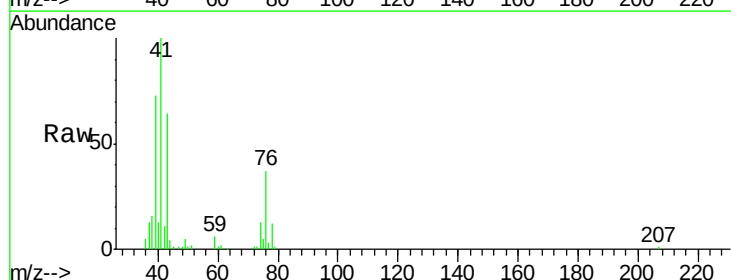
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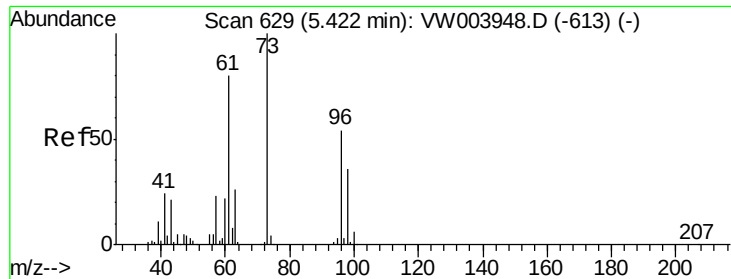
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#18
Methyl Acetate
Concen: 19.35 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.7	26.5





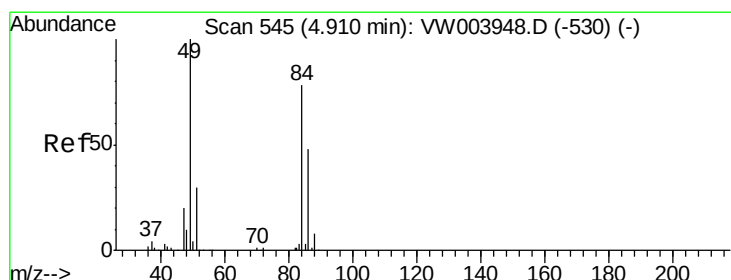
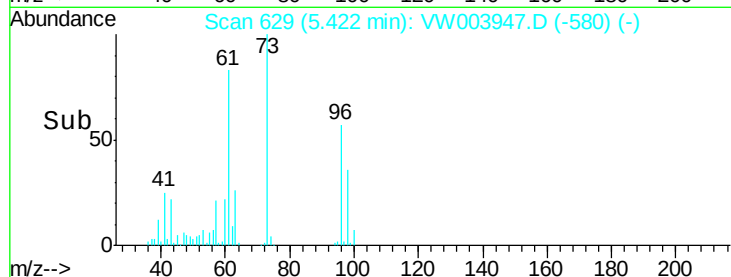
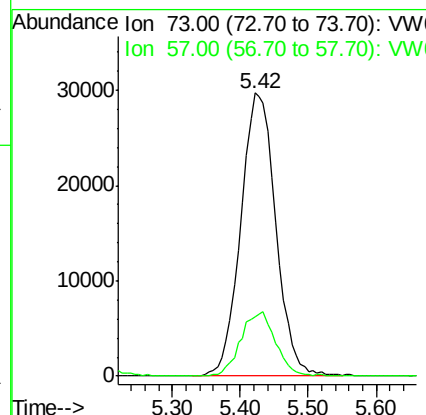
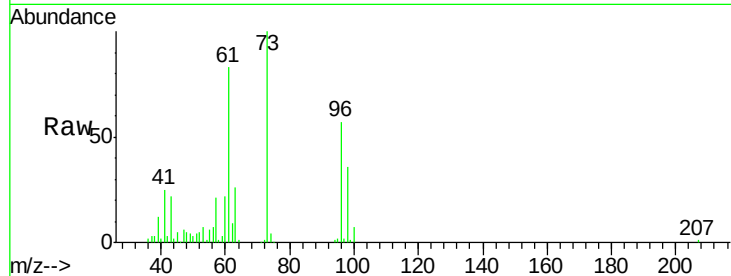
#19
Methyl tert-butyl Ether
Concen: 20.15 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 106436
Ion Ratio Lower Upper
73 100
57 20.8 18.2 27.4

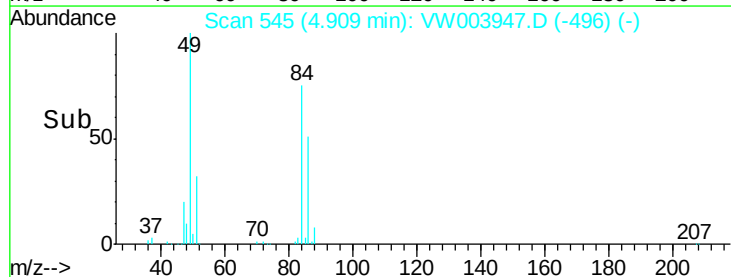
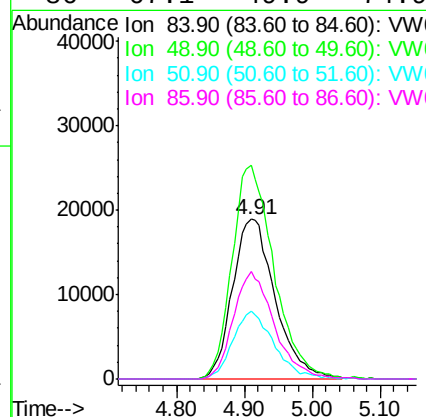
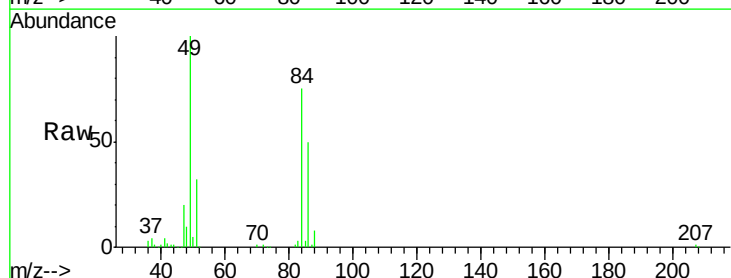
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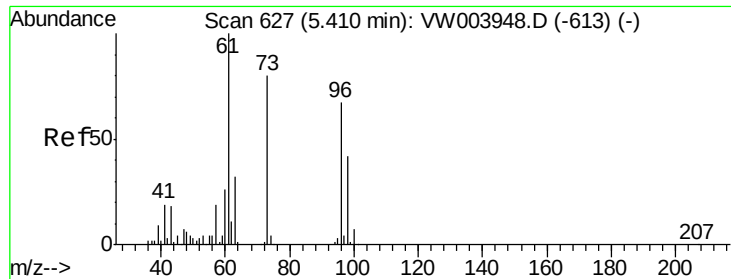
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#20
Methylene Chloride
Concen: 17.73 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 84 Resp: 82316
Ion Ratio Lower Upper
84 100
49 133.8 102.9 154.3
51 42.3 30.9 46.3
86 67.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

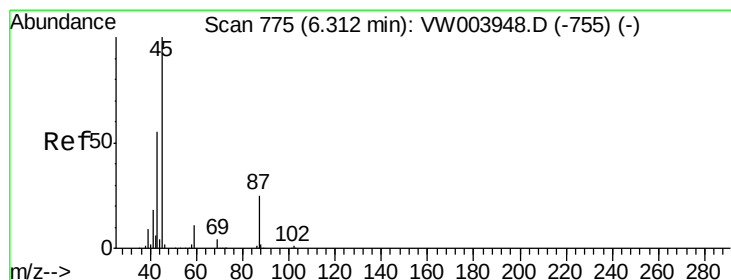
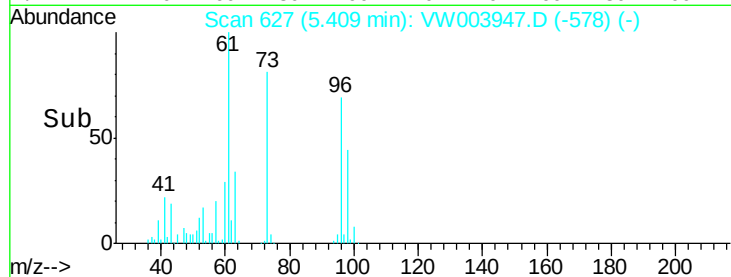
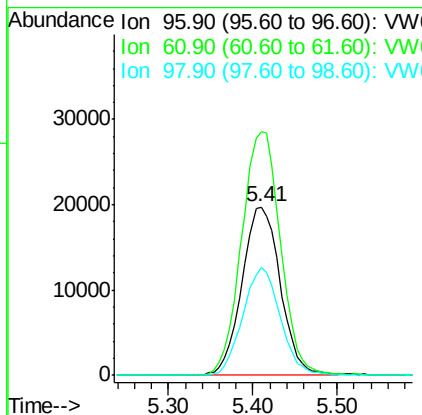
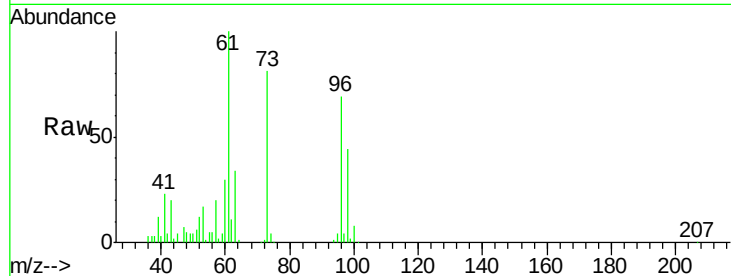
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	61175
Ion	Ratio	Lower	Upper
96	100		
61	144.3	119.0	178.4
98	63.8	49.9	74.9

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#22

Diisopropyl ether

Concen: 19.59 ug/l

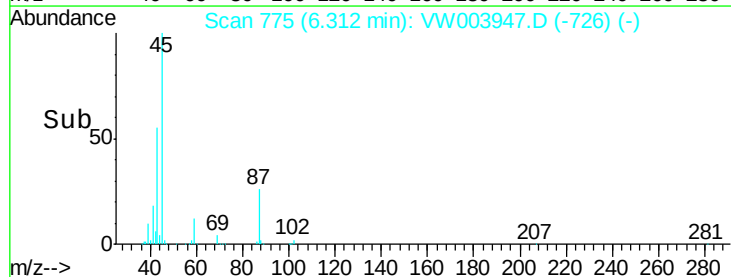
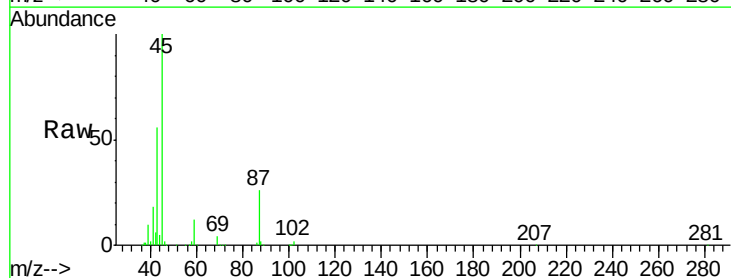
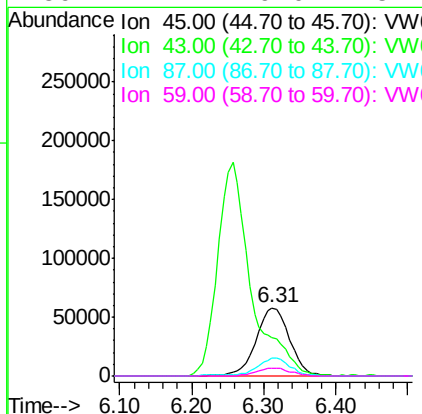
RT: 6.31 min Scan# 775

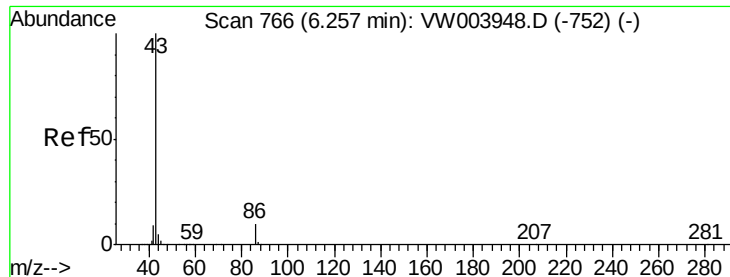
Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	45	Resp:	188596
Ion	Ratio	Lower	Upper
45	100		
43	54.6	44.3	66.5
87	25.3	20.2	30.4
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 99.51 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 586870

Ion Ratio Lower Upper

43 100

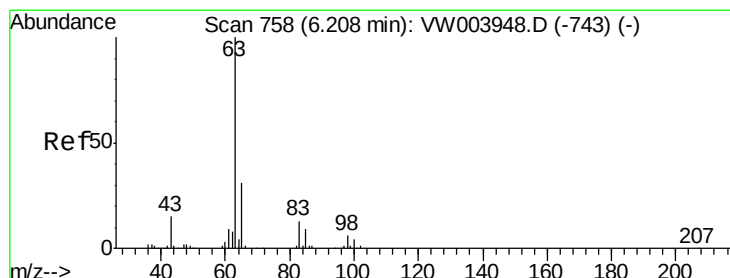
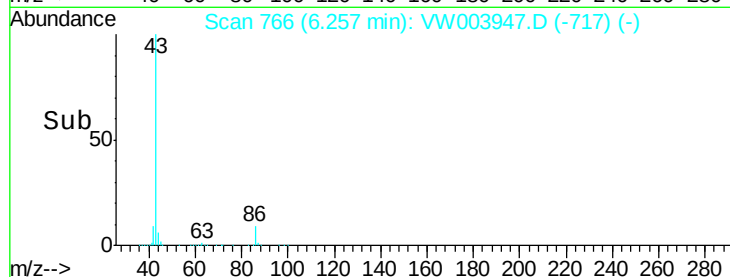
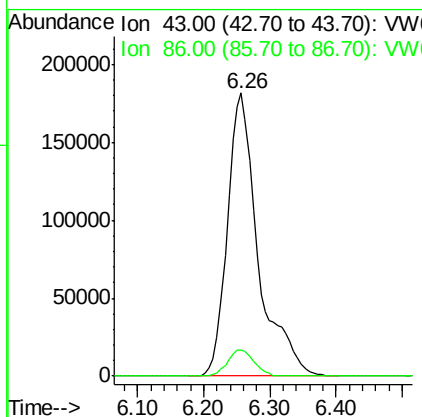
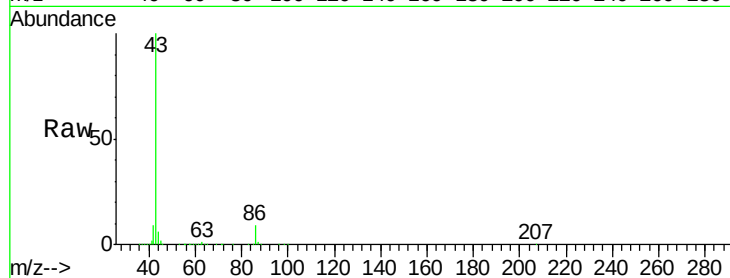
86 9.4 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 19.84 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

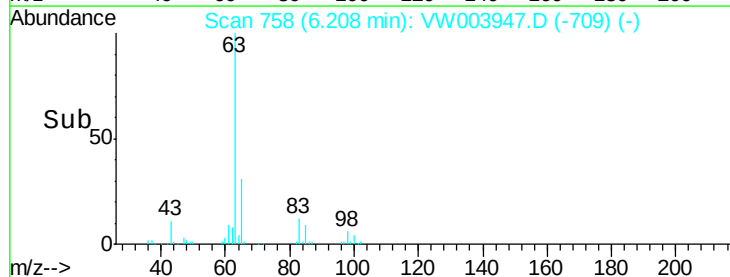
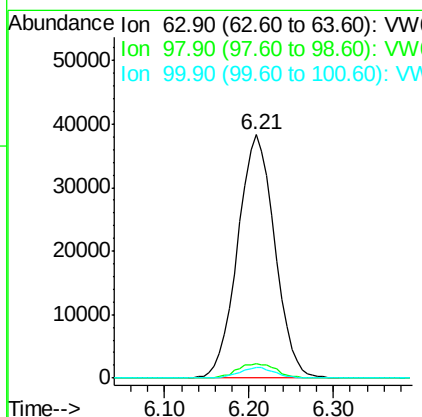
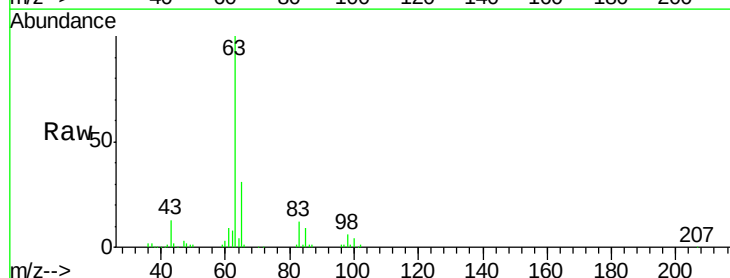
Tgt Ion: 63 Resp: 114393

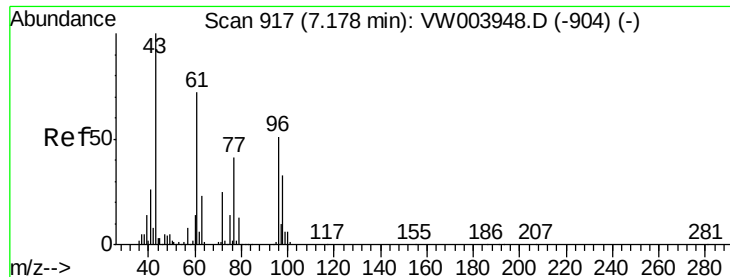
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 100.27 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 98073

Ion Ratio Lower Upper

43 100

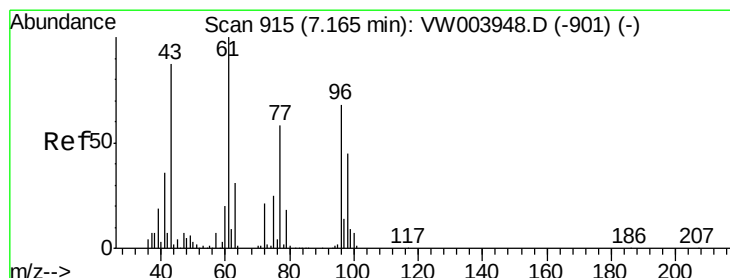
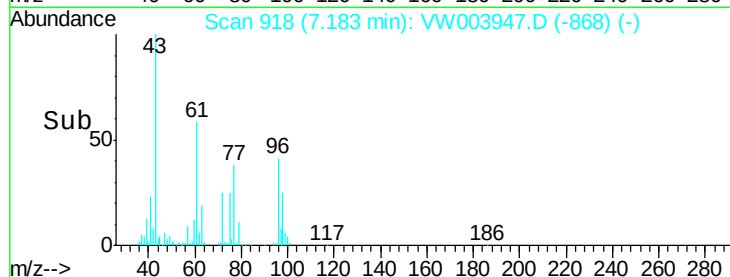
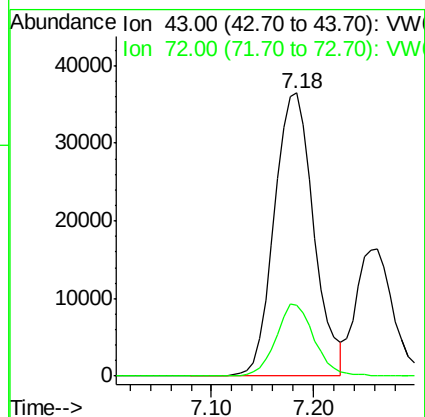
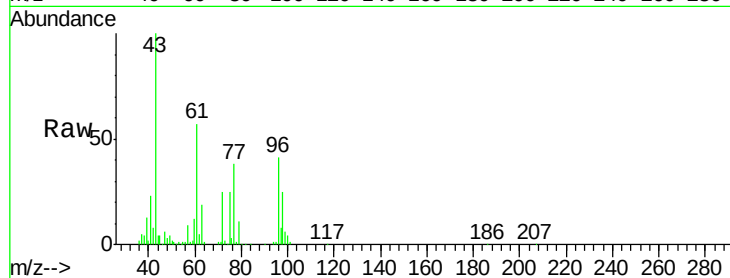
72 24.8 19.8 29.6

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#26

2,2-Dichloropropane

Concen: 20.49 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003947.D

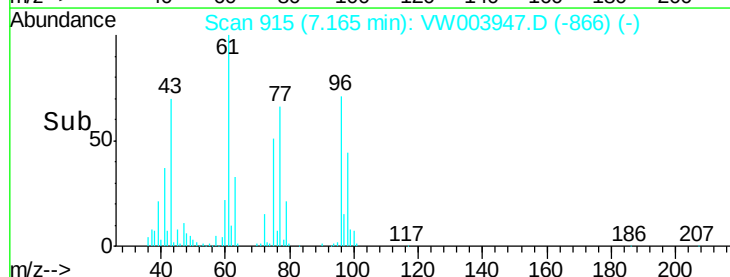
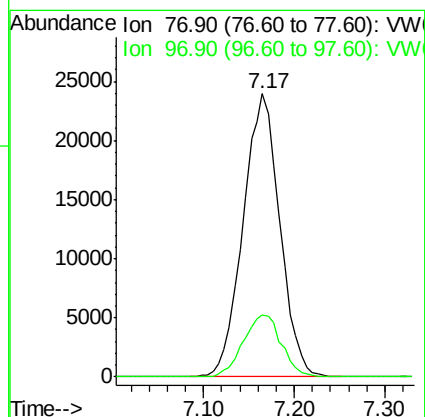
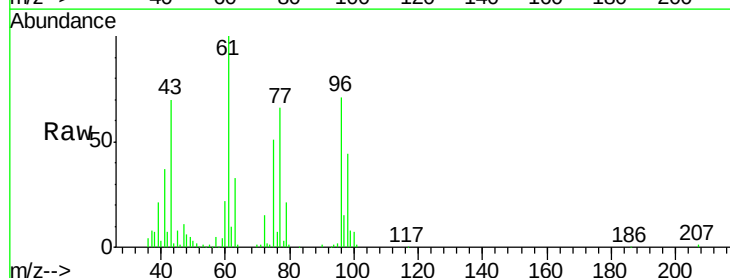
Acq: 16 Jul 2018 12:49

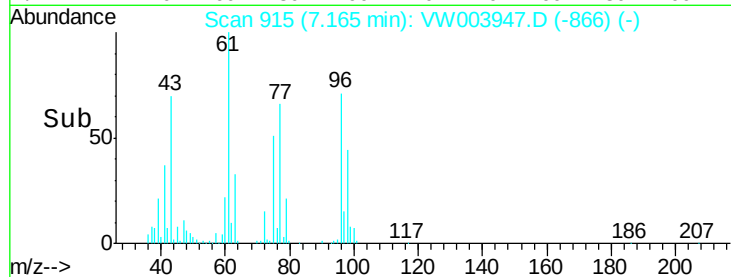
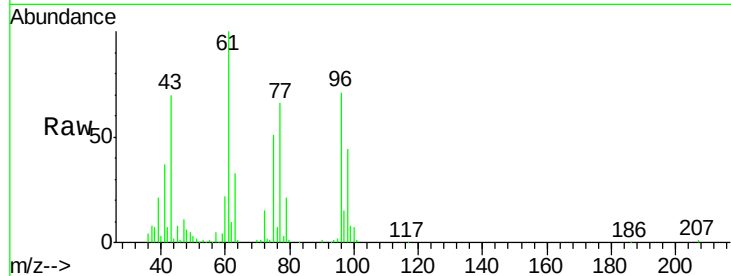
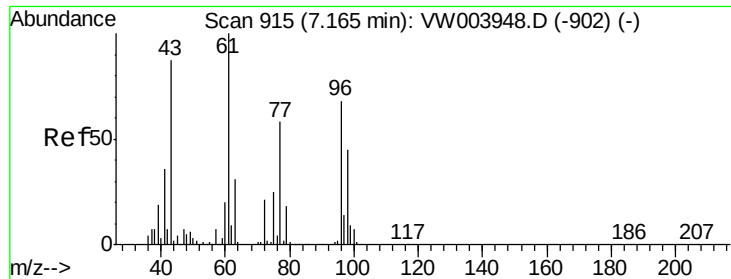
Tgt Ion: 77 Resp: 66978

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.09 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tot Ion:	96	Resp:	66761
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	298.6
98	62.5	0.0	130.4

Instrument :

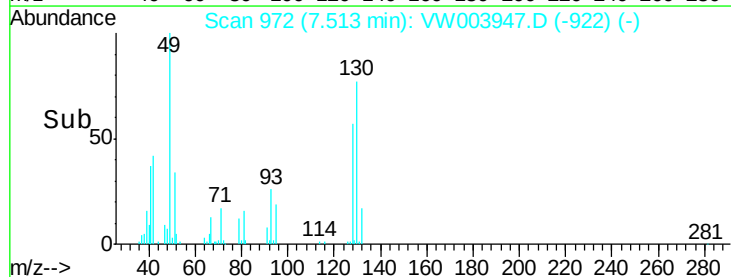
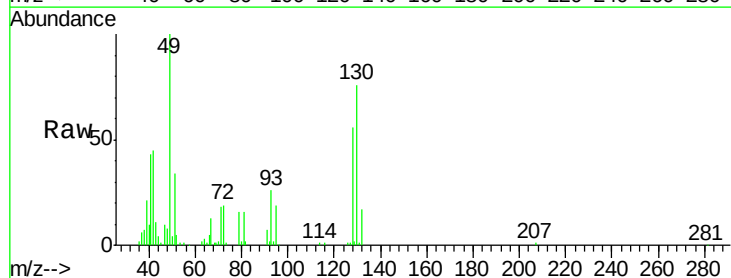
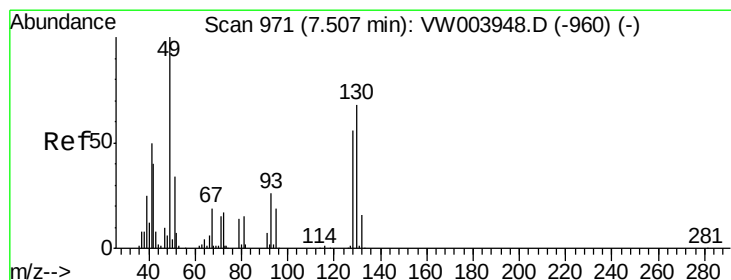
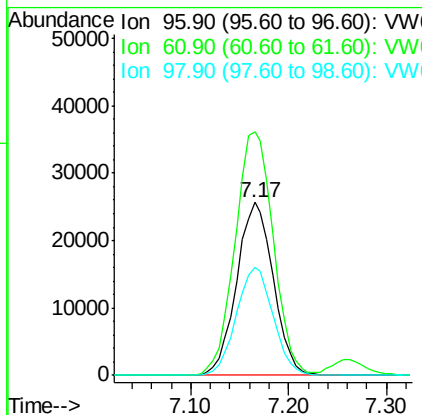
MSVOA_W

ClientSampleId :

VSTDIC020

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#28

Bromochloromethane

Concen: 18.68 ug/l

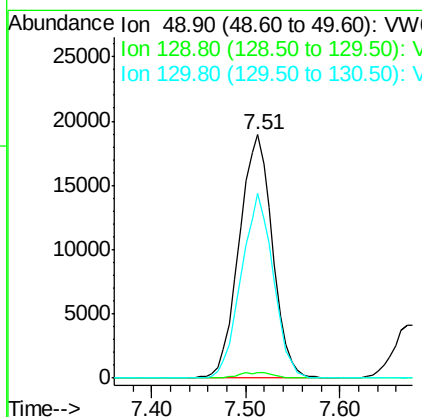
RT: 7.51 min Scan# 972

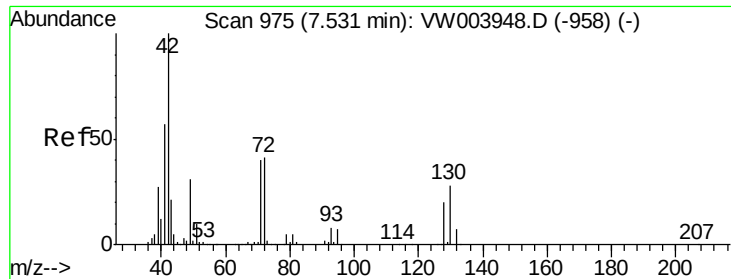
Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	49	Resp:	46806
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.2#
130	73.5	58.3	87.5





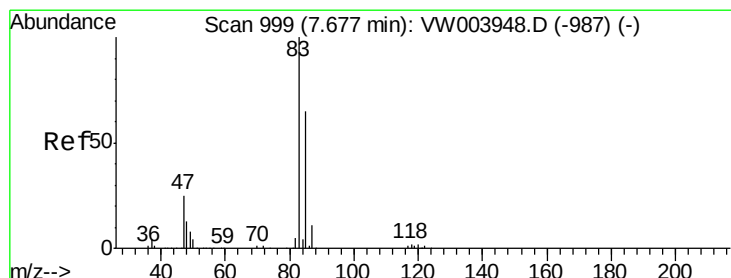
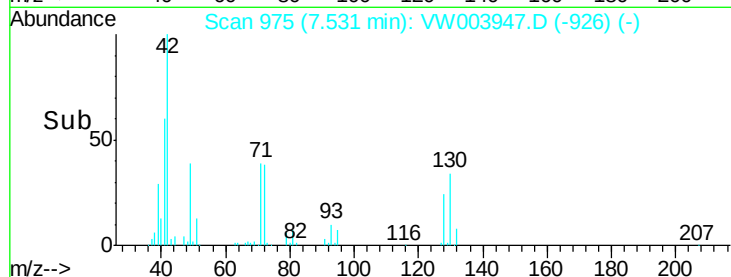
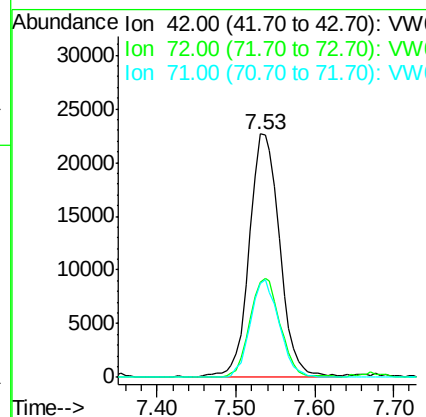
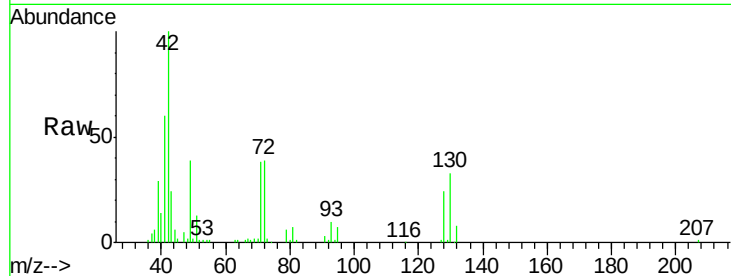
#29
Tetrahydrofuran
Concen: 98.91 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.6	48.8
71	37.9	30.5	45.7

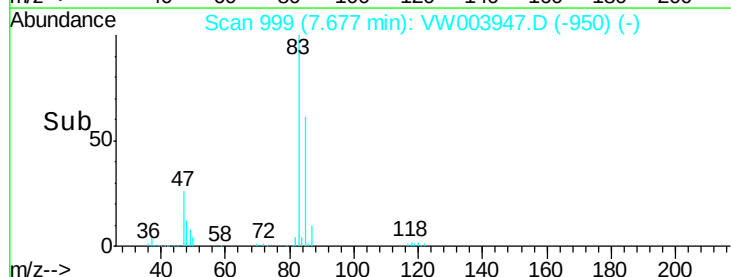
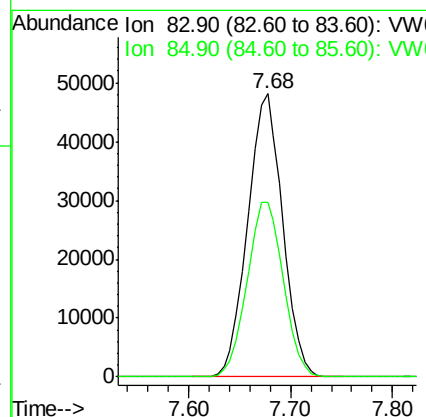
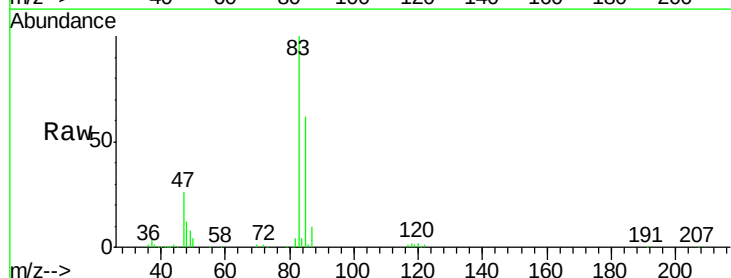
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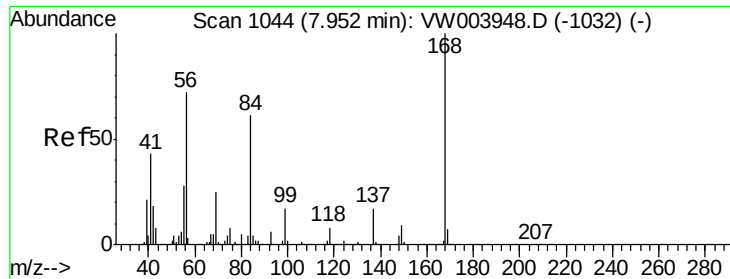
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#30
Chloroform
Concen: 19.80 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.2	78.4





#31

Cyclohexane

Concen: 19.38 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

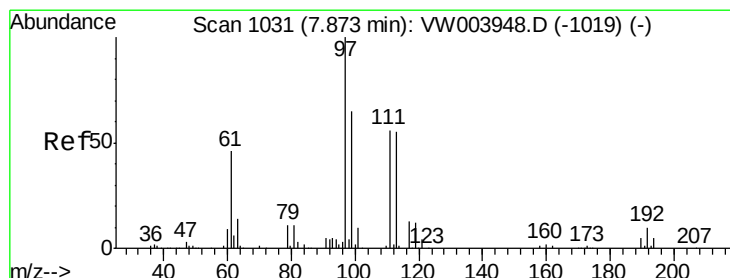
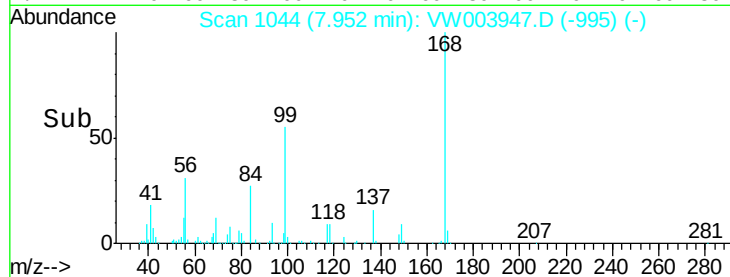
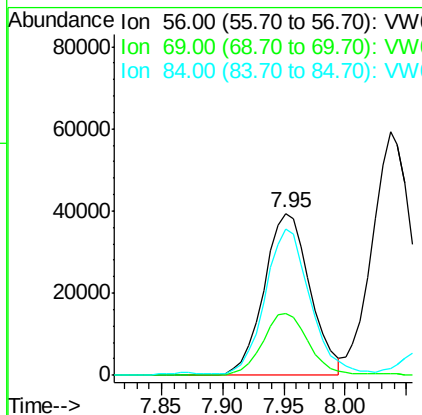
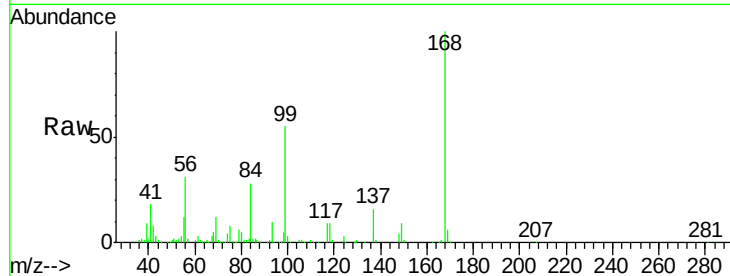
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	103113
Ion	Ratio	Lower	Upper
56	100		
69	38.5	27.8	41.8
84	88.8	67.2	100.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.77 ug/l

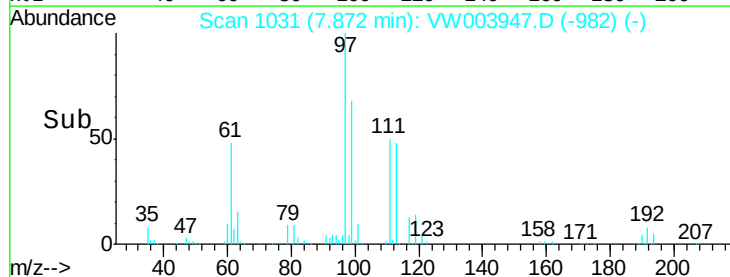
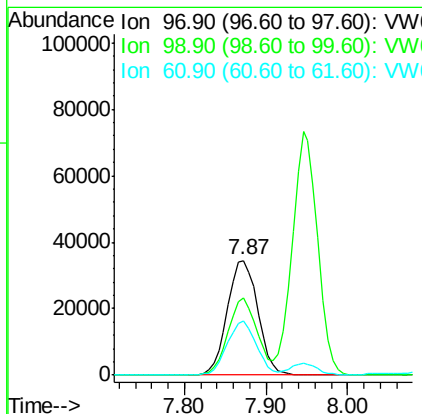
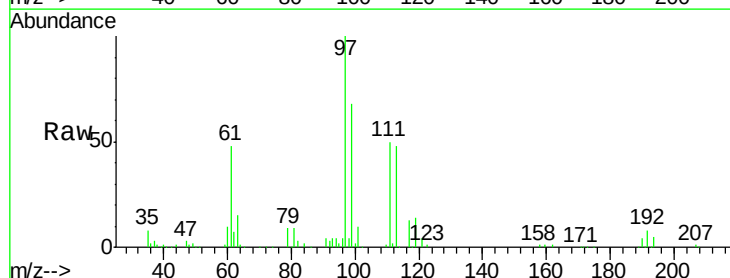
RT: 7.87 min Scan# 1031

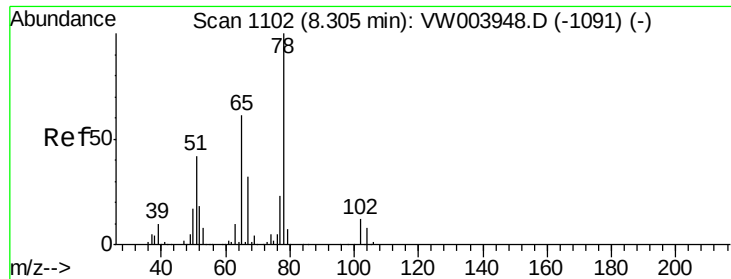
Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	97	Resp:	88995
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	45.4	36.8	55.2





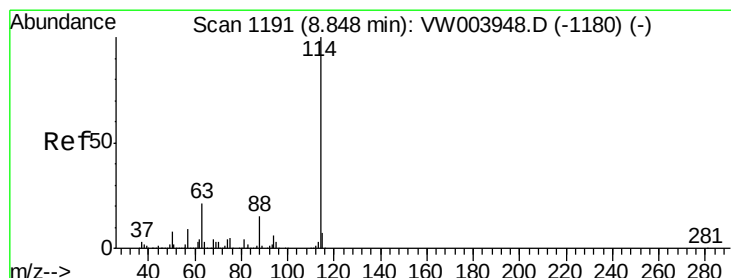
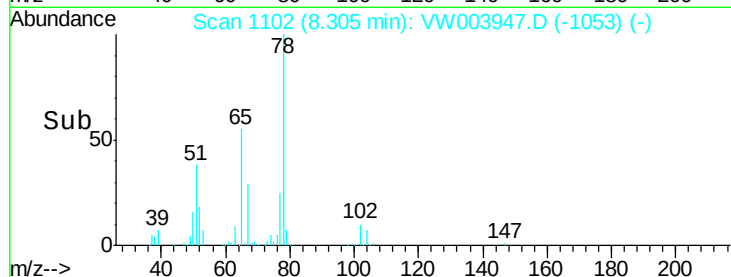
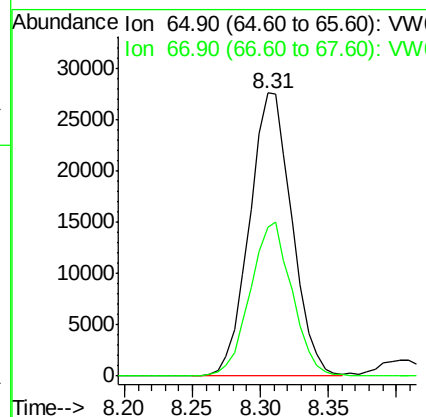
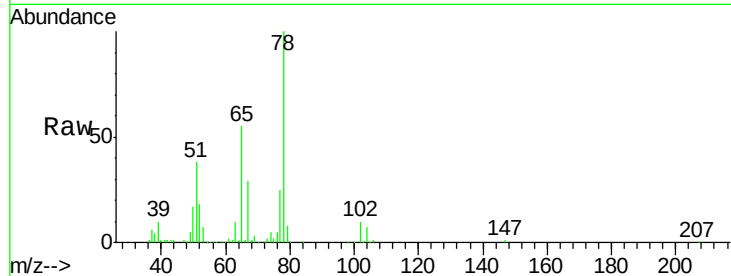
#33
 1,2-Dichloroethane-d4
 Concen: 18.21 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 60389
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0

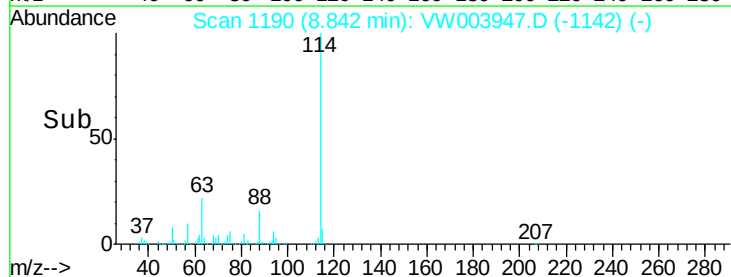
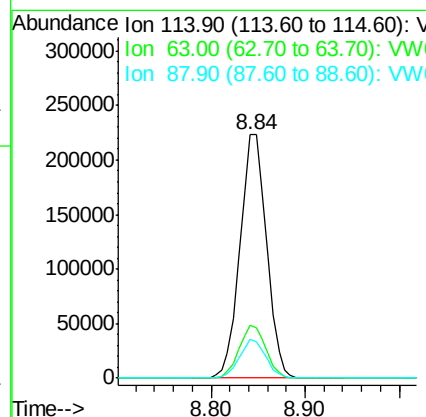
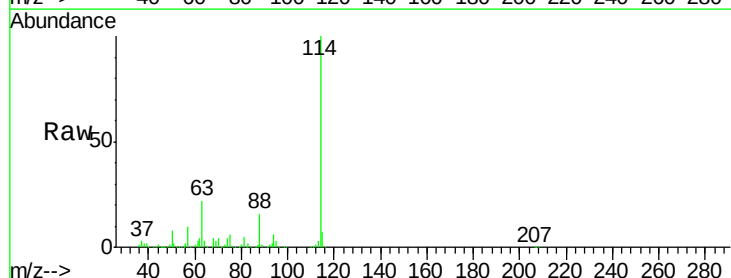
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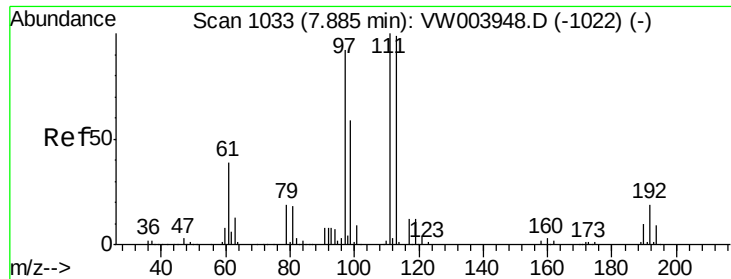
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 114 Resp: 437467
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 15.9 0.0 30.4





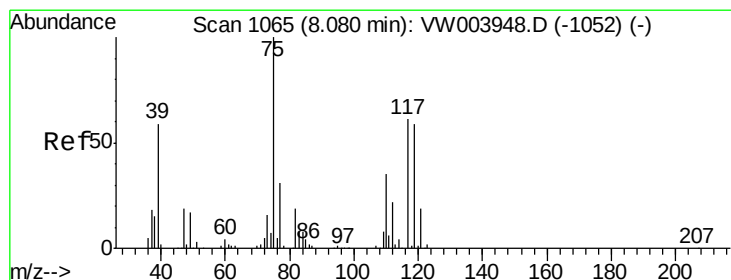
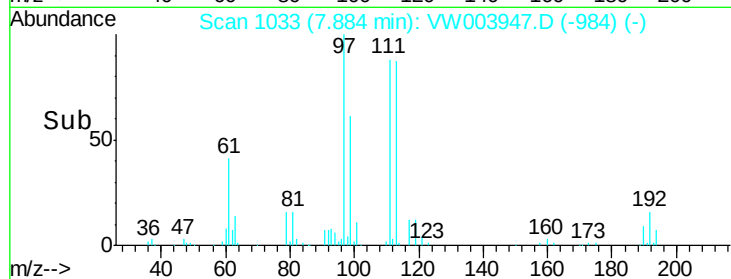
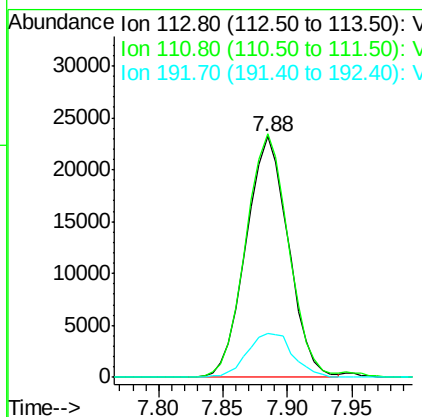
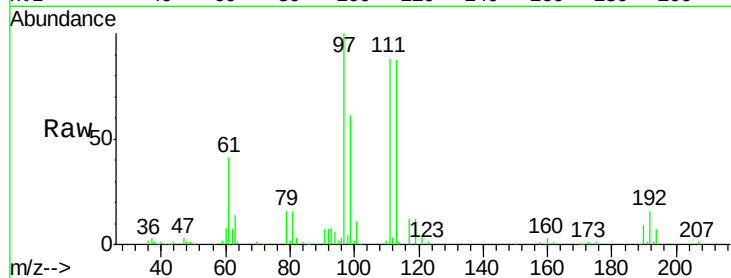
#35
 Dibromofluoromethane
 Concen: 18.27 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.3	121.9
192	19.8	15.8	23.6

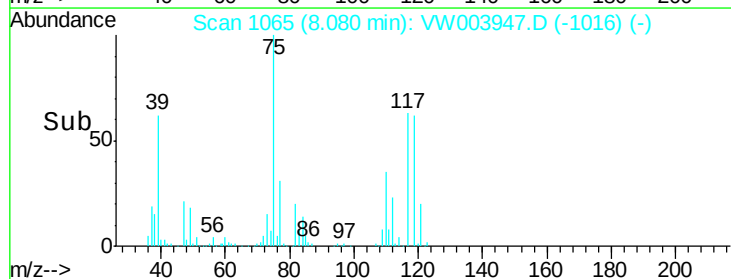
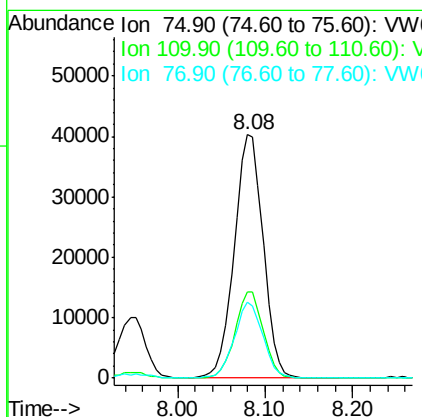
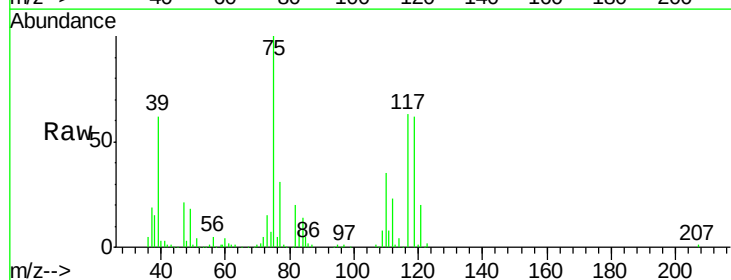
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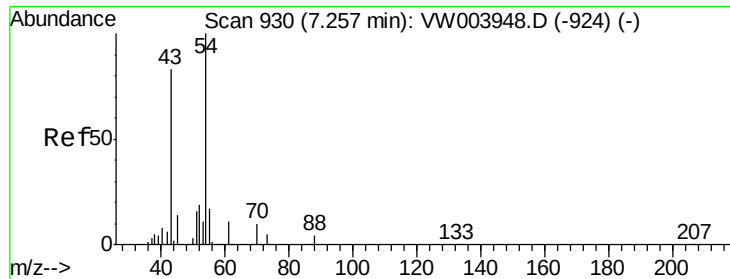
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#36
 1,1-Dichloropropene
 Concen: 20.34 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	51.0
77	30.7	24.9	37.3





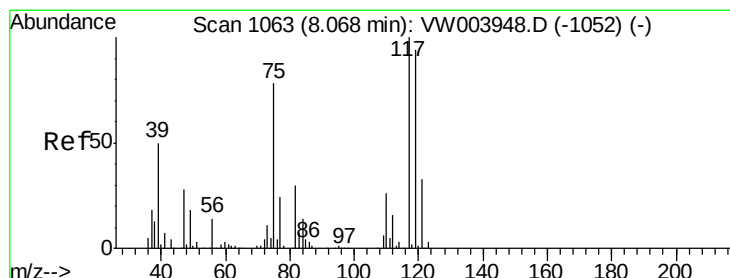
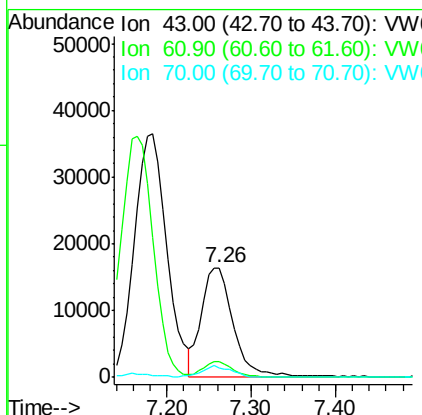
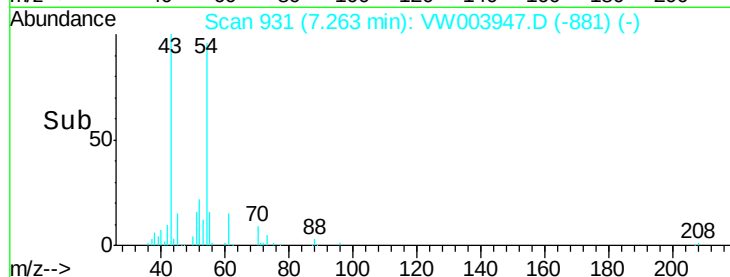
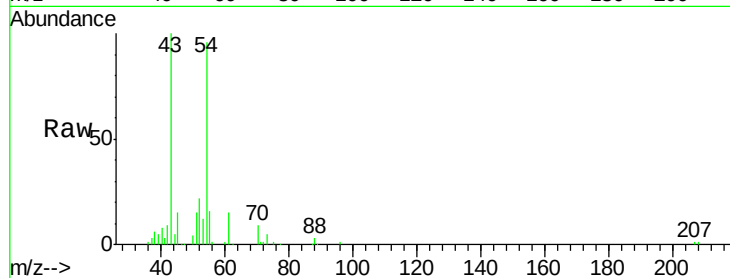
#37
Ethyl Acetate
Concen: 20.07 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.9	7.7	11.5

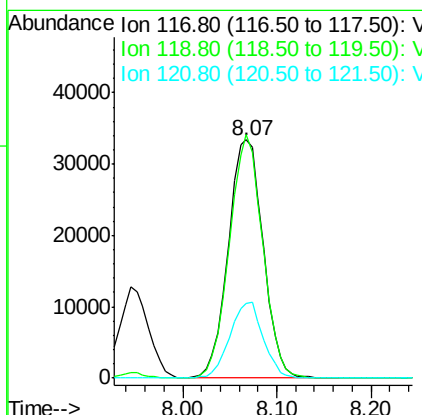
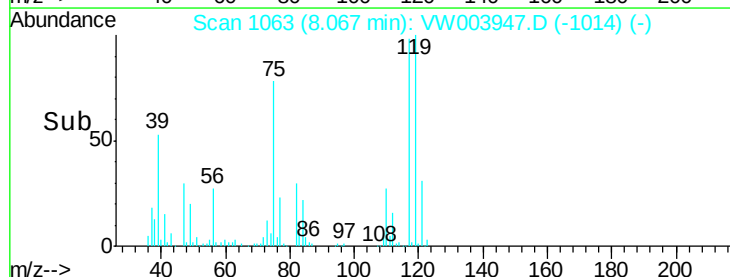
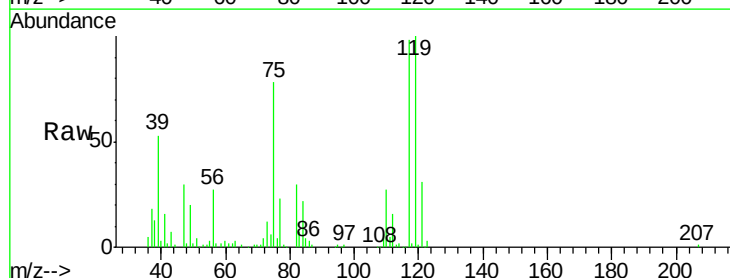
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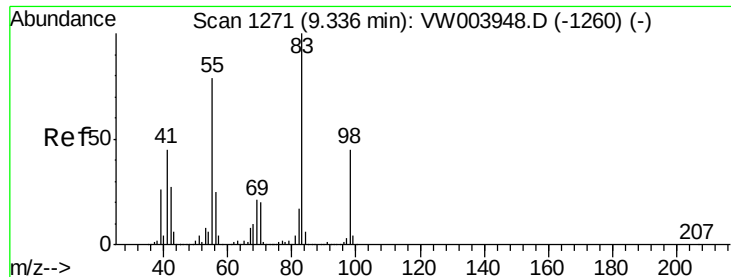
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#38
Carbon Tetrachloride
Concen: 20.07 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.2	75.3	112.9
121	31.5	26.0	39.0





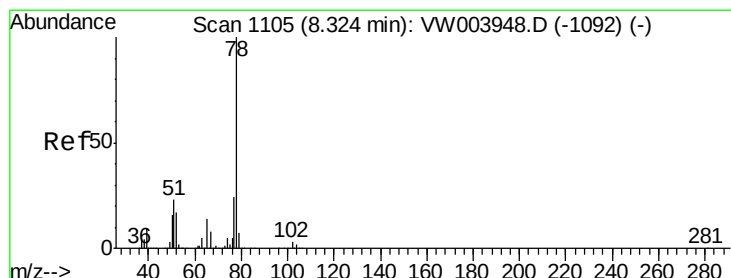
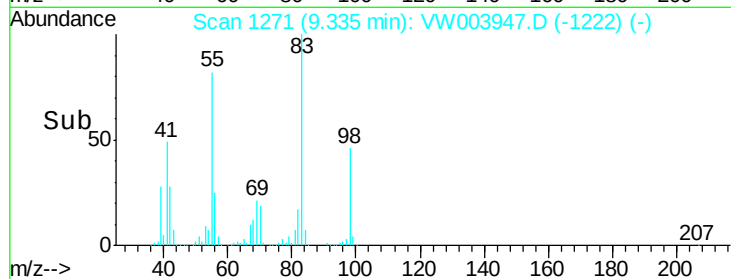
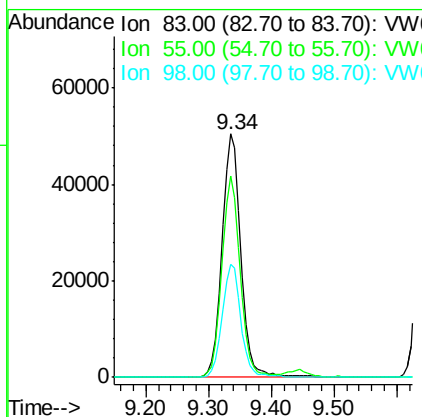
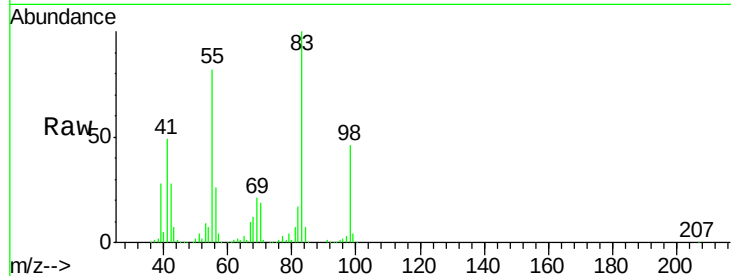
#39
Methylvlcyclohexane
Concen: 20.23 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	105004		
55	82.5		62.8	94.2
98	46.3		36.2	54.4

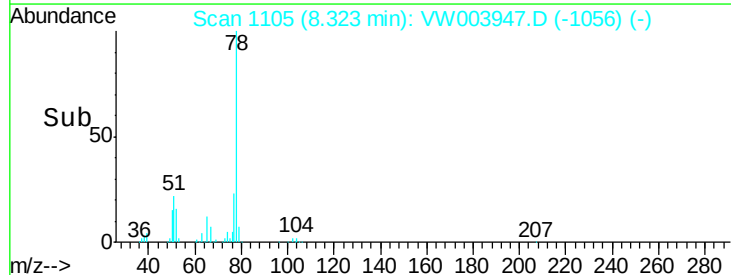
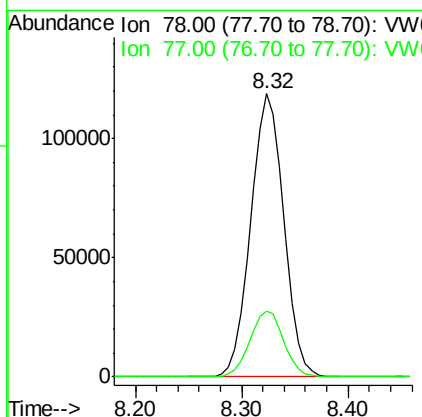
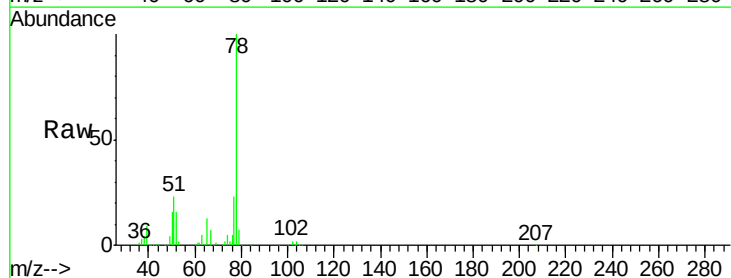
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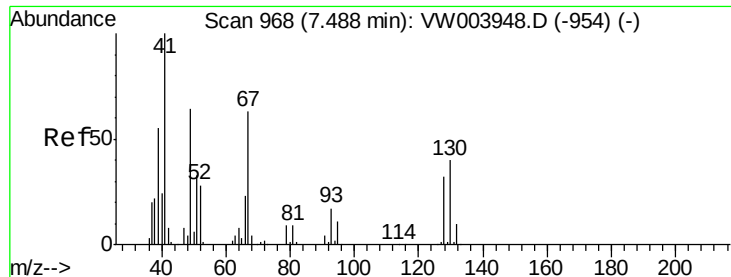
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#40
Benzene
Concen: 20.30 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	258918		
77	23.3		19.5	29.3





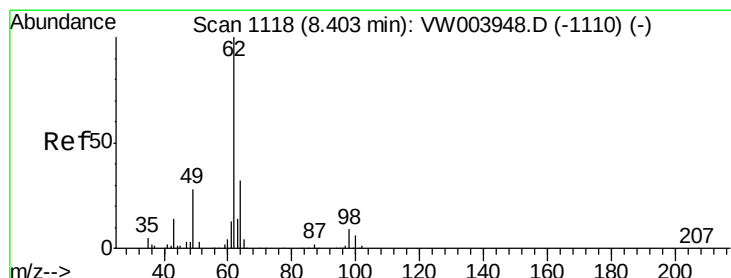
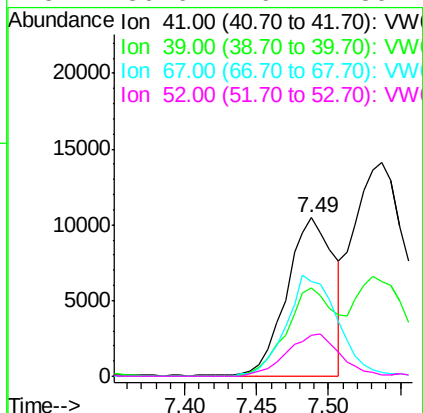
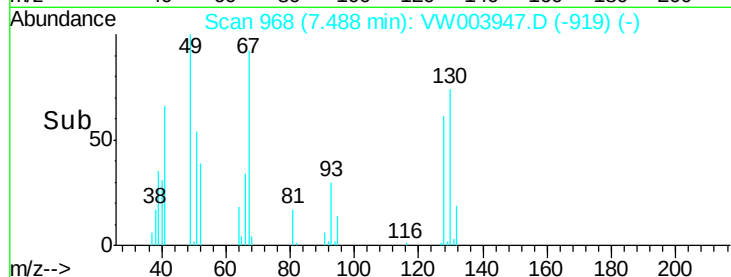
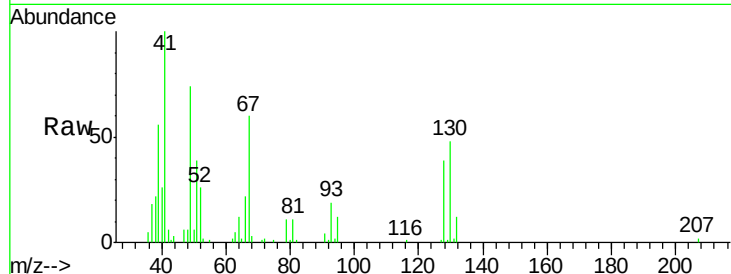
#41
Methacrylonitrile
Concen: 19.69 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	23954
Ion	Ratio	Lower	Upper
41	100		
39	61.5	50.0	75.0
67	68.9	60.8	91.2
52	30.6	26.2	39.4

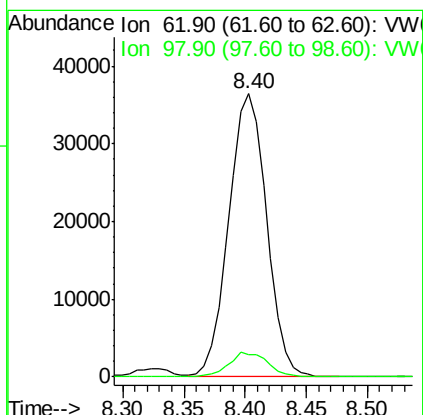
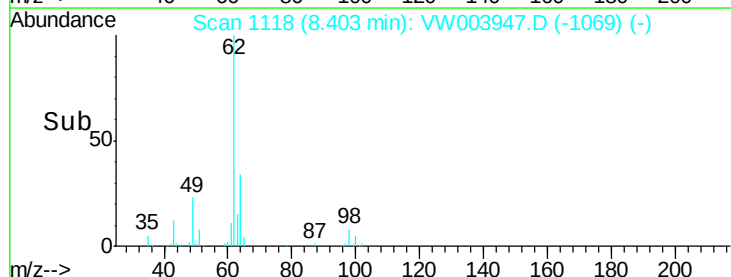
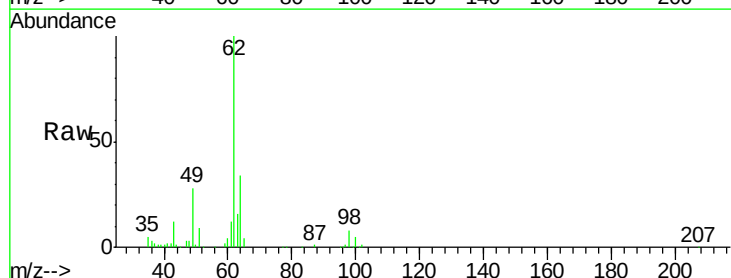
Manual Integrations
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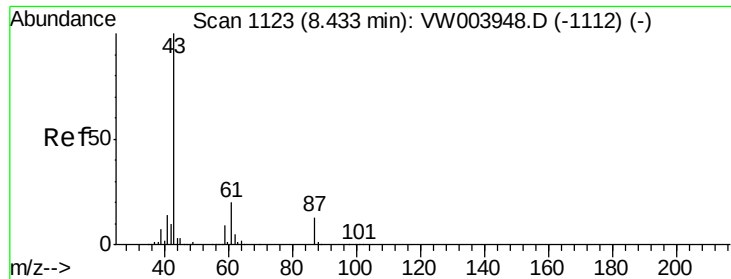
apatel
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#42
1,2-Dichloroethane
Concen: 19.94 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:	62	Resp:	78347
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4





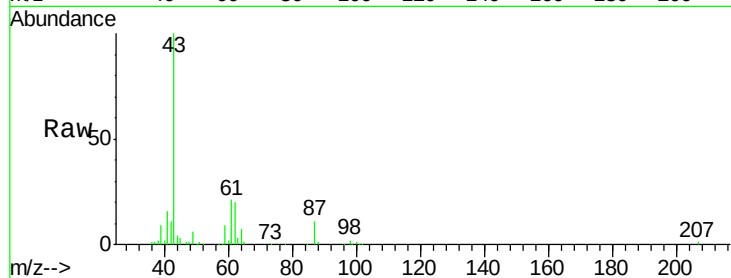
#43
Isopropyl Acetate
Concen: 20.00 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.0	34.6
87	11.9	9.9	14.9

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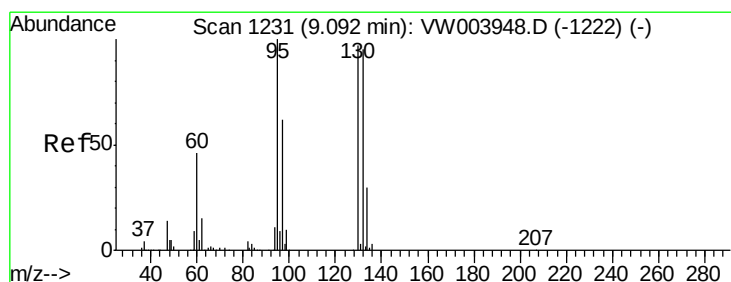
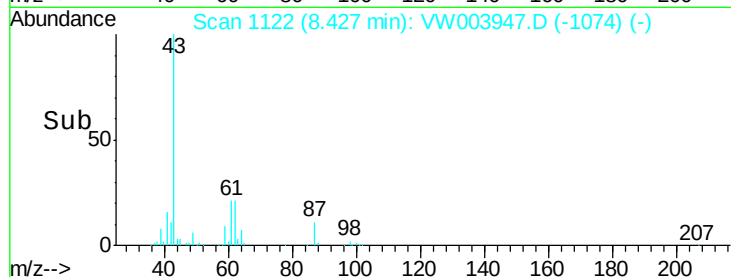
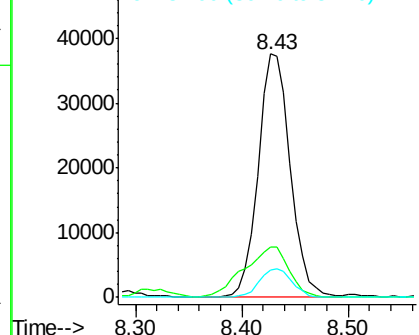


Abundance

Ion 43.00 (42.70 to 43.70): VW

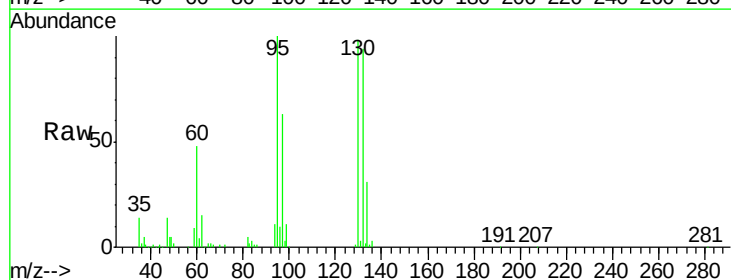
Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44
Trichloroethene
Concen: 20.45 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

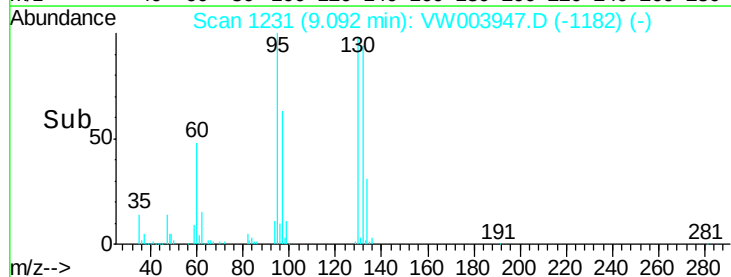
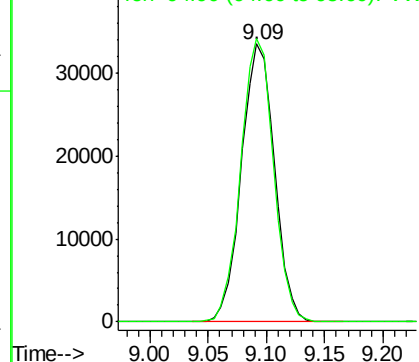
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	206.8

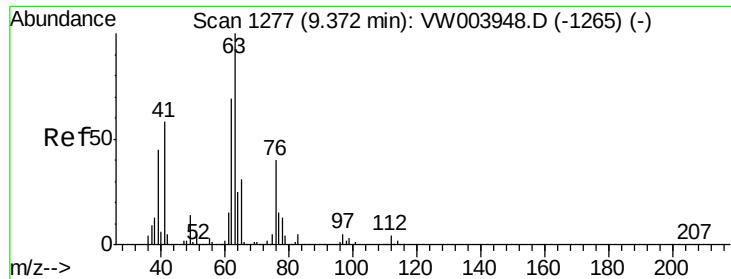


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





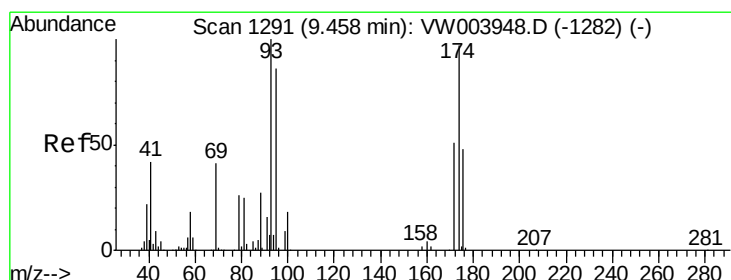
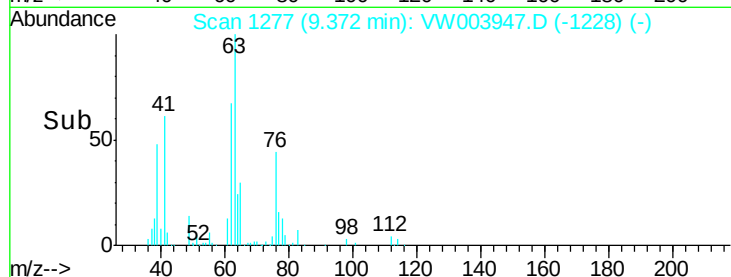
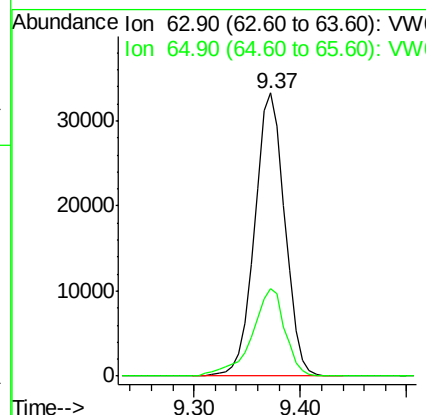
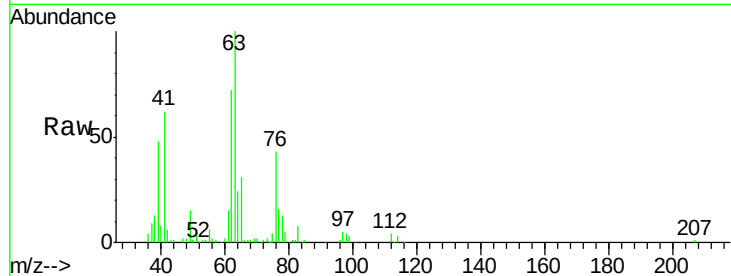
#45
 1,2-Dichloropropane
 Concen: 20.21 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

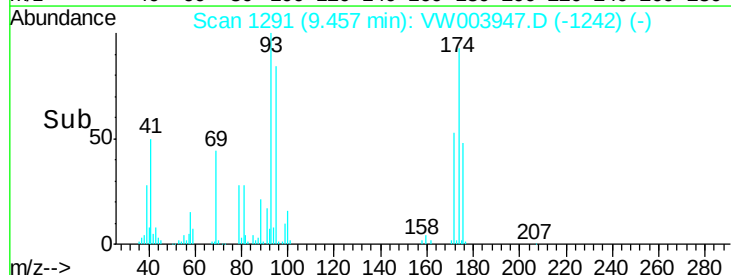
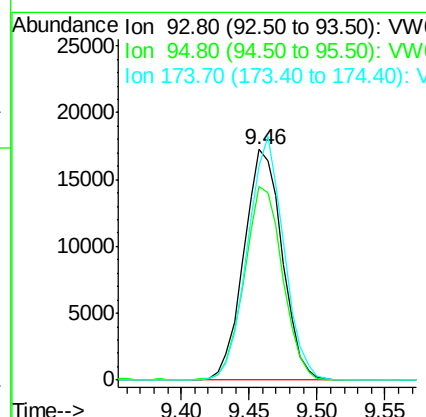
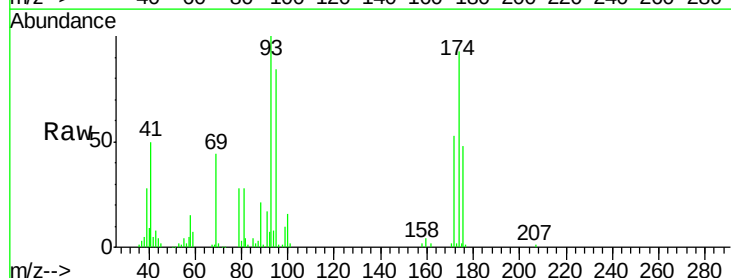
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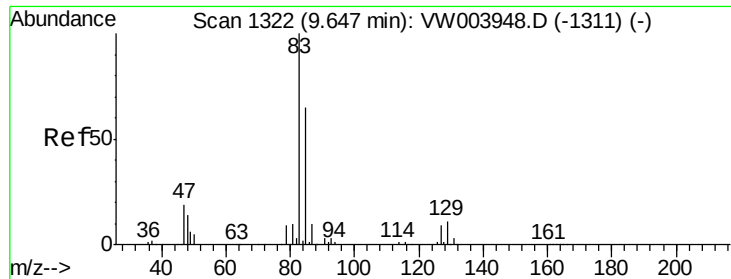
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#46
 Dibromomethane
 Concen: 20.26 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.9	100.3
174	100.3	80.2	120.2





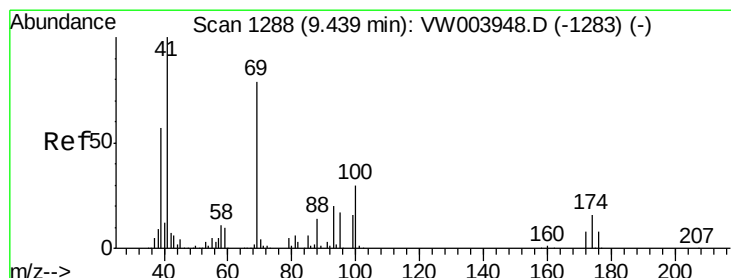
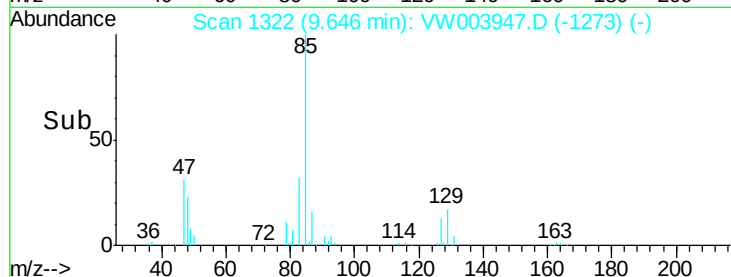
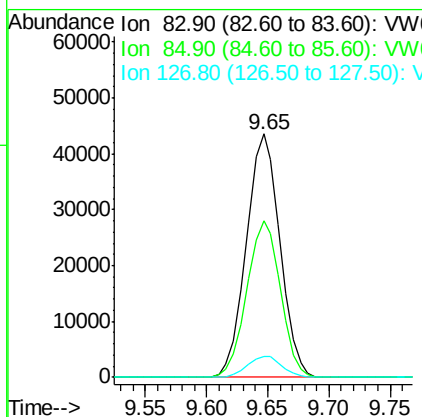
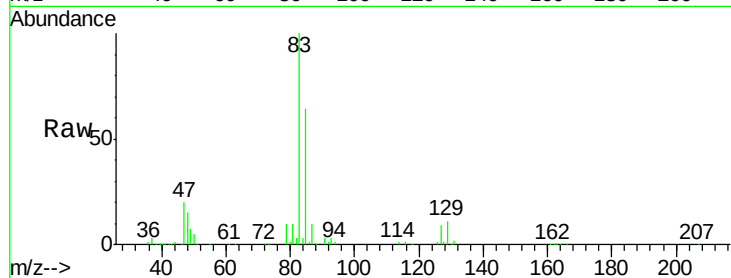
#47
Bromodichloromethane
Concen: 19.97 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	83	Resp	83358
Ion Ratio	100	Lower	Upper
85	64.4	52.2	78.2
127	8.5	7.0	10.4

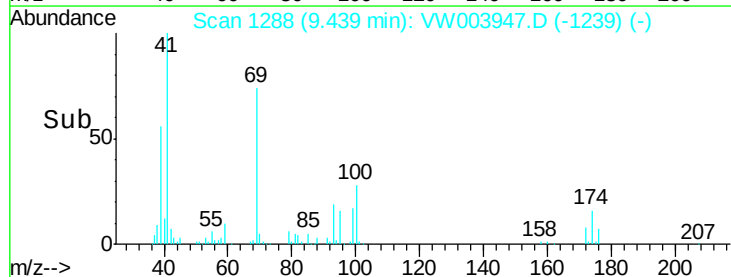
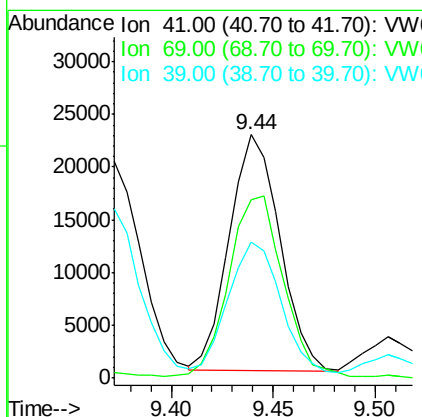
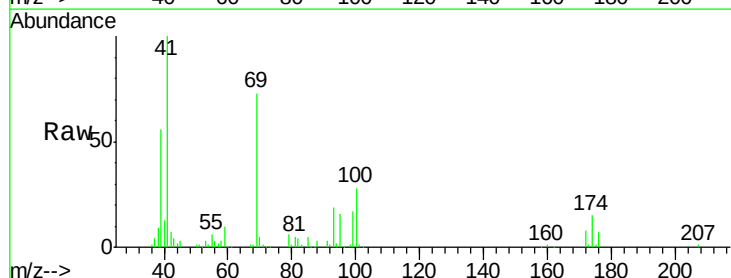
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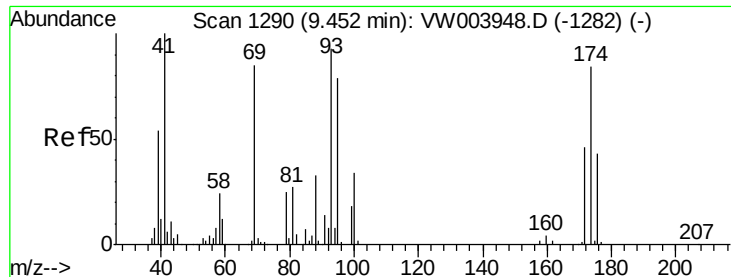
apatel
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#48
Methyl methacrylate
Concen: 20.19 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	41	Resp	38601
Ion Ratio	100	Lower	Upper
69	84.7	67.0	100.6
39	62.4	48.8	73.2





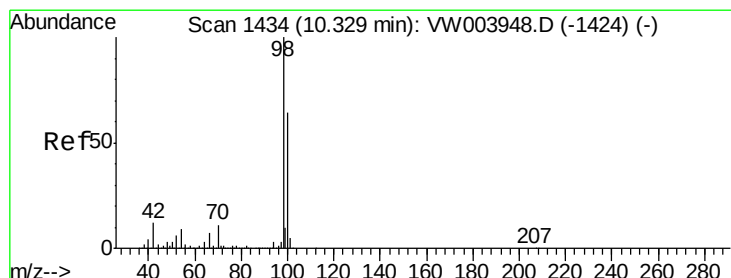
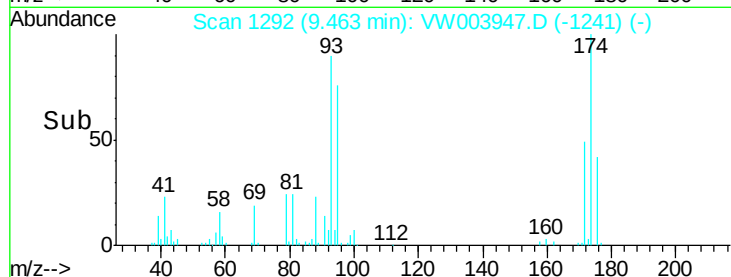
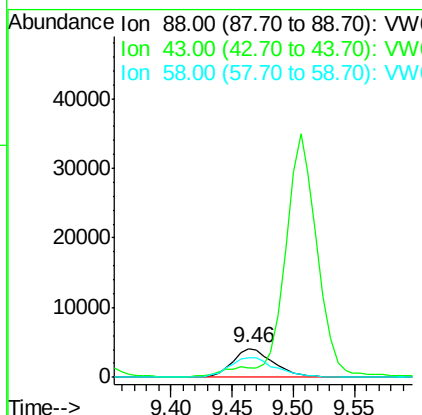
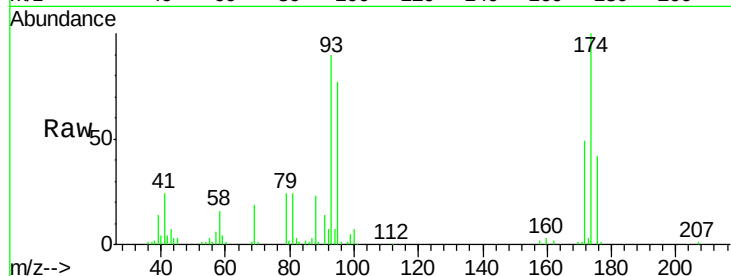
#49
1,4-Dioxane
Concen: 370.46 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.3	40.9#
58	78.9	61.1	91.7

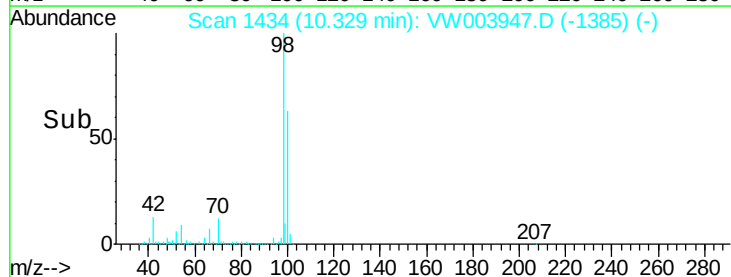
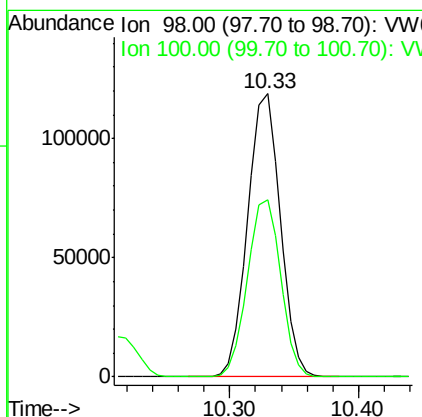
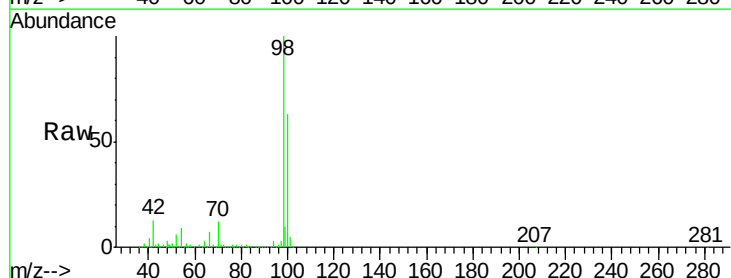
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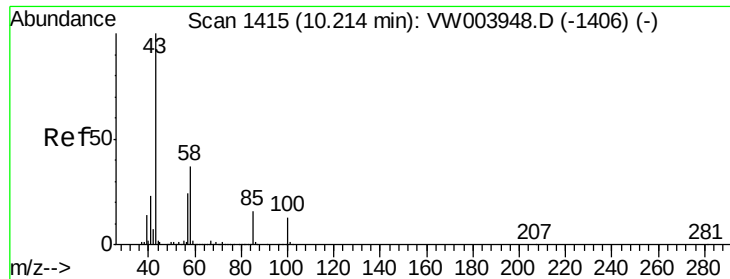
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#50
Toluene-d8
Concen: 18.49 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





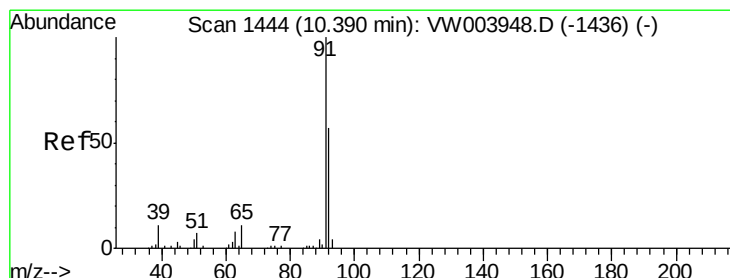
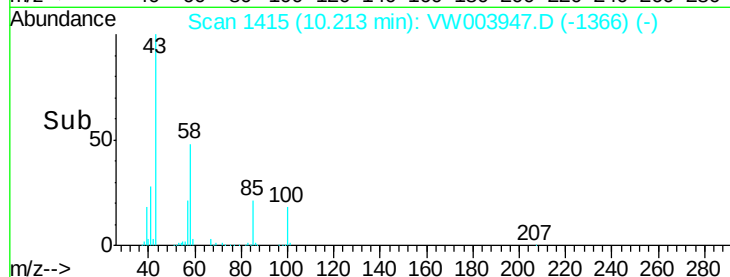
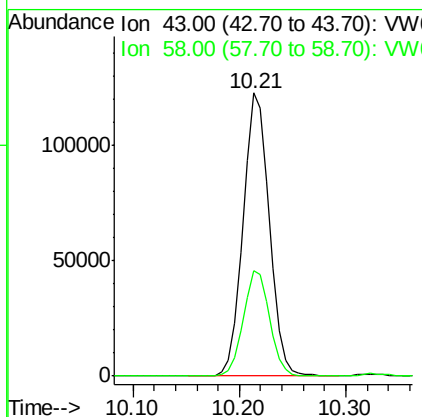
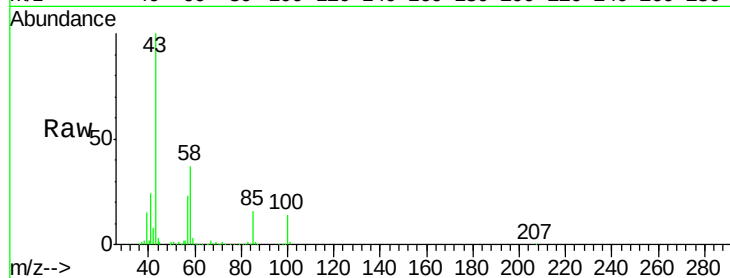
#51
 4-Methyl-2-Pentanone
 Concen: 99.87 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.9	44.9

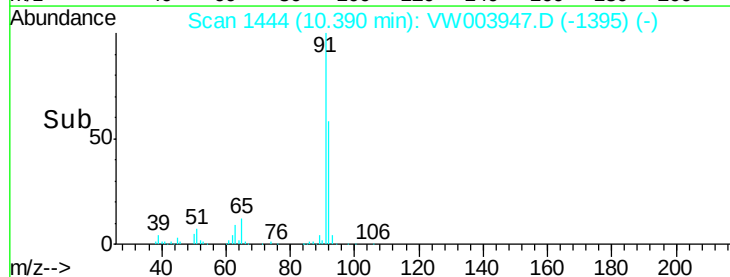
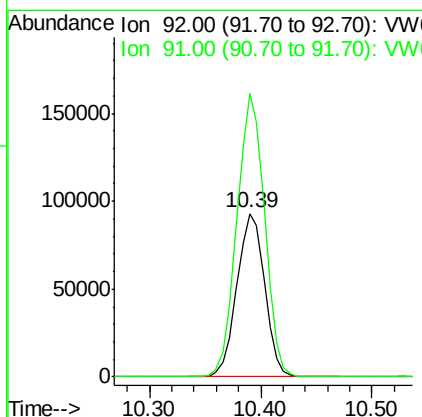
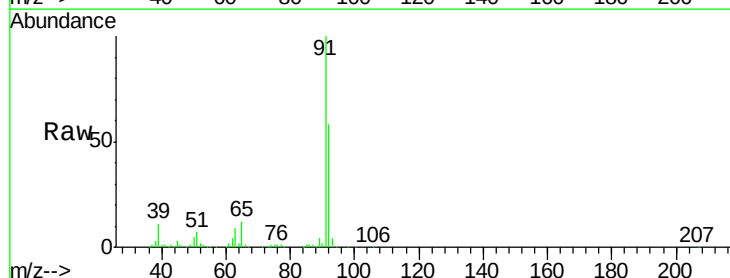
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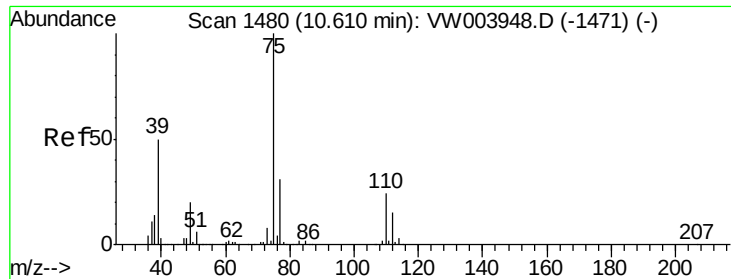
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#52
 Toluene
 Concen: 20.19 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.6	209.4





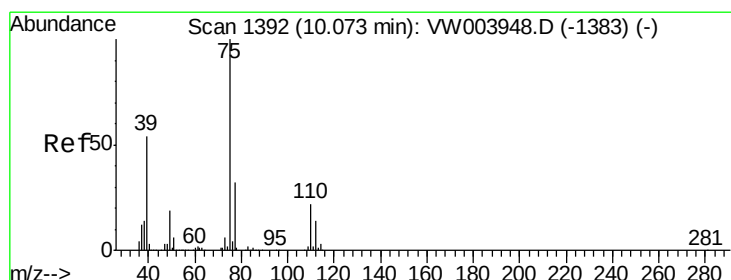
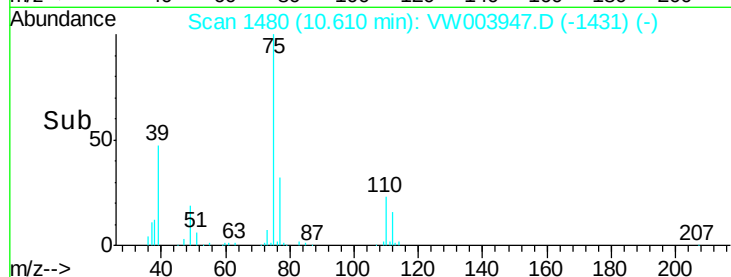
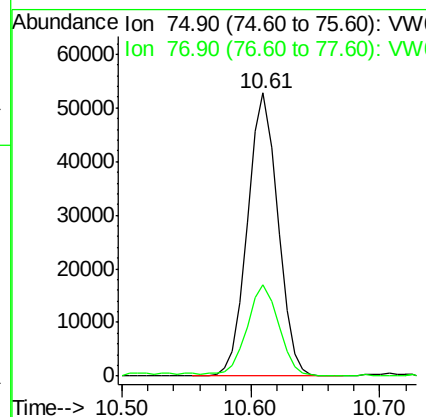
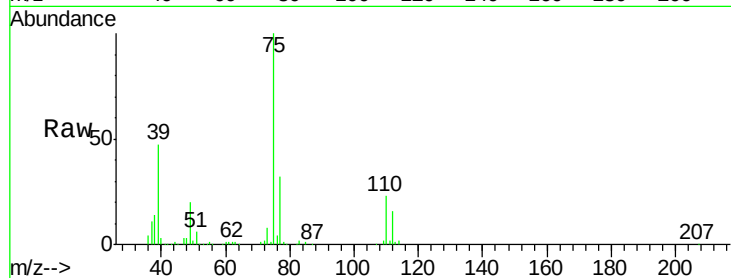
#53
t-1,3-Dichloropropene
Concen: 20.08 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 85866
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

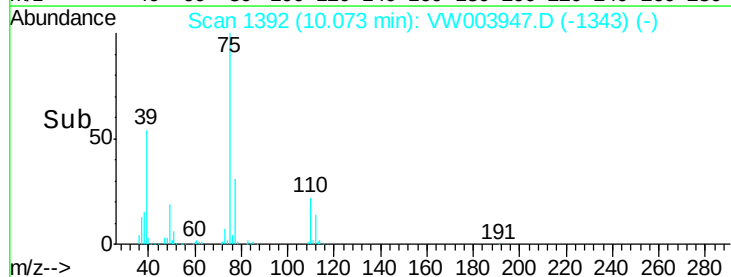
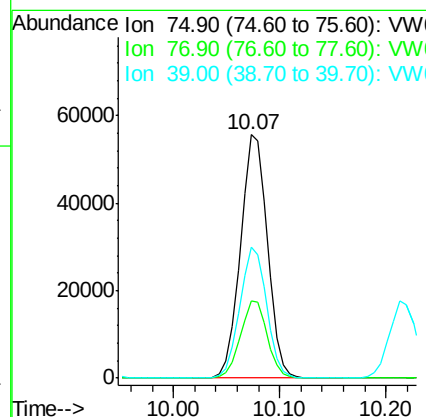
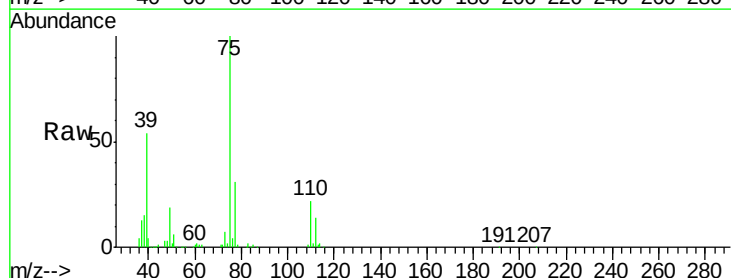
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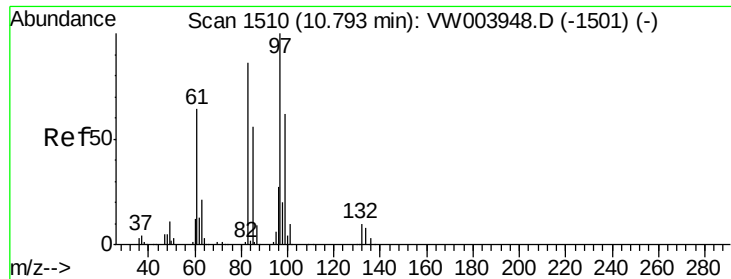
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#54
cis-1,3-Dichloropropene
Concen: 20.31 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 75 Resp: 99363
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2
39 53.7 43.0 64.6





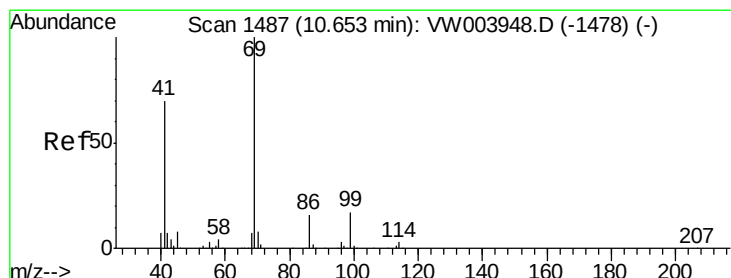
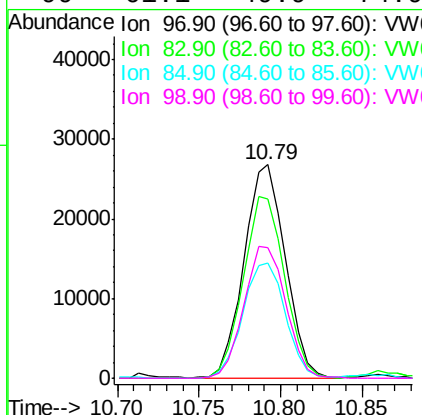
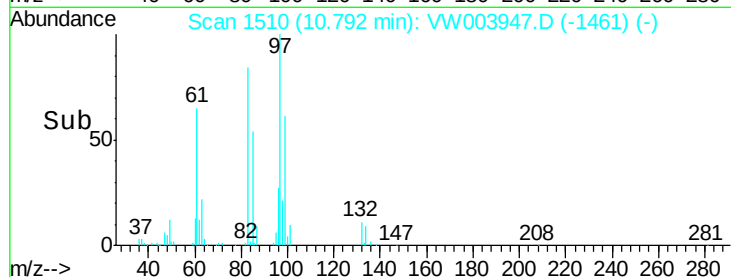
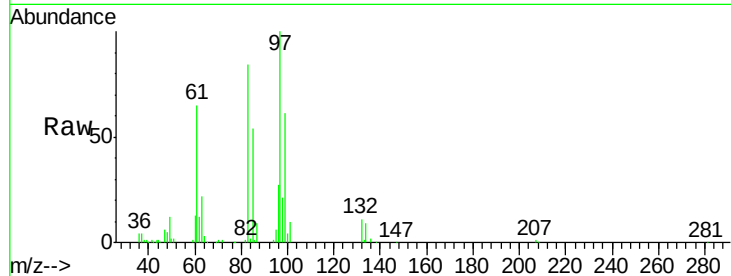
#55
 1,1,2-Trichloroethane
 Concen: 19.81 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	47053
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.0	103.4
85	54.4	45.0	67.6
99	61.1	49.9	74.9

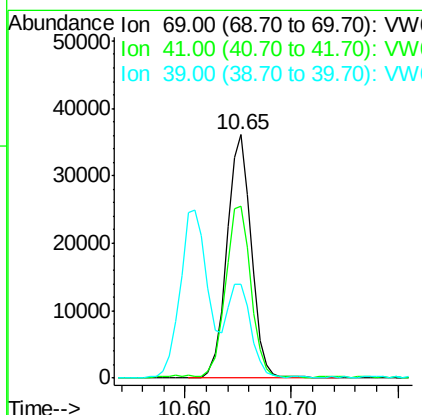
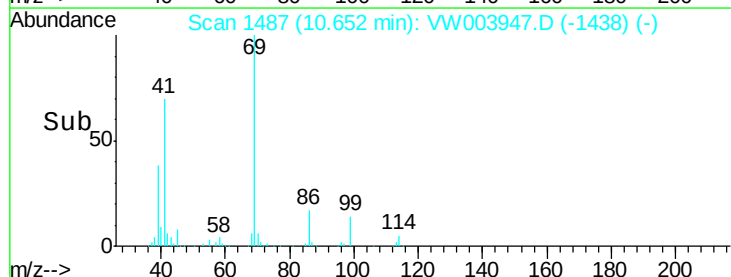
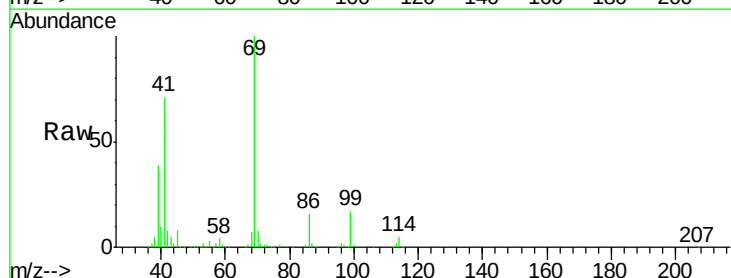
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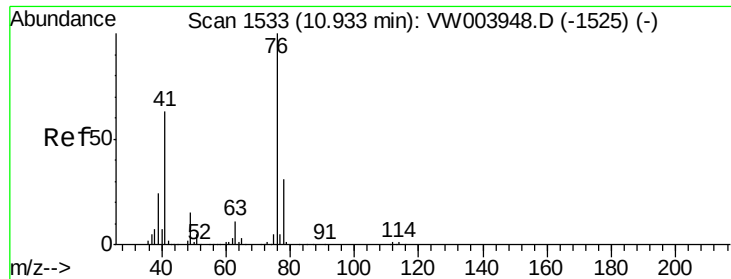
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#56
 Ethyl methacrylate
 Concen: 19.48 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion:	69	Resp:	57917
Ion	Ratio	Lower	Upper
69	100		
41	72.8	56.5	84.7
39	36.1	30.2	45.4





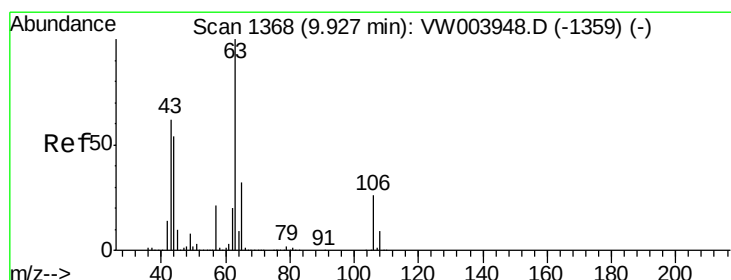
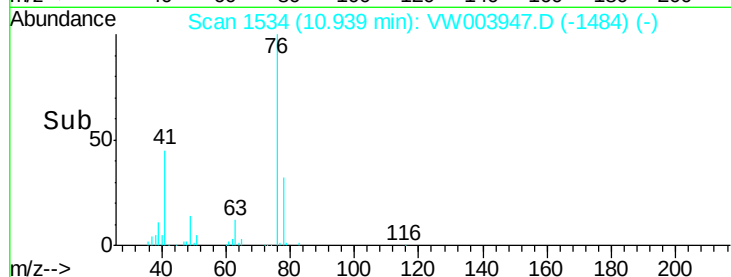
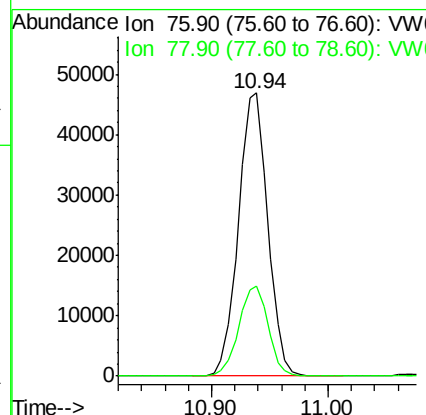
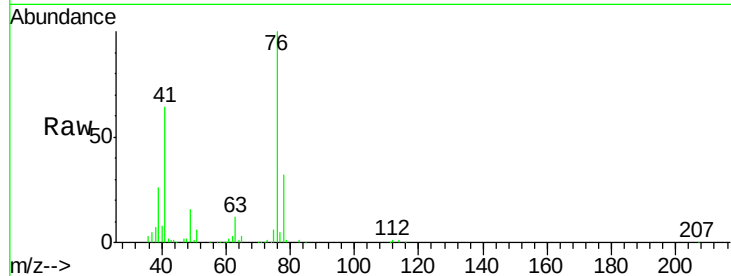
#57
 1,3-Dichloropropane
 Concen: 19.94 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 82244
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

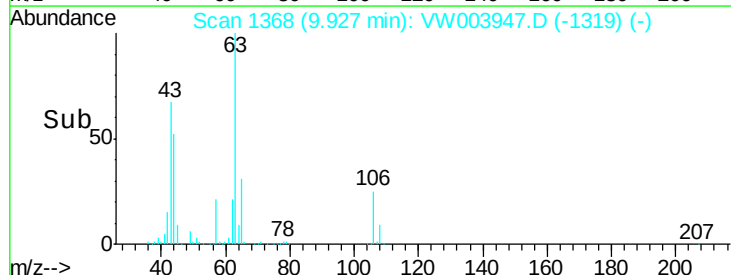
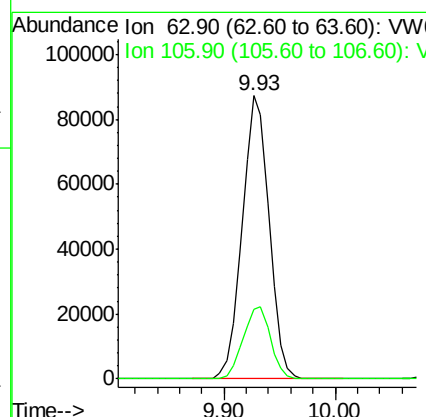
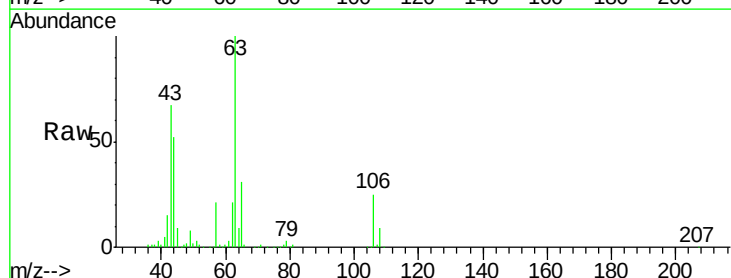
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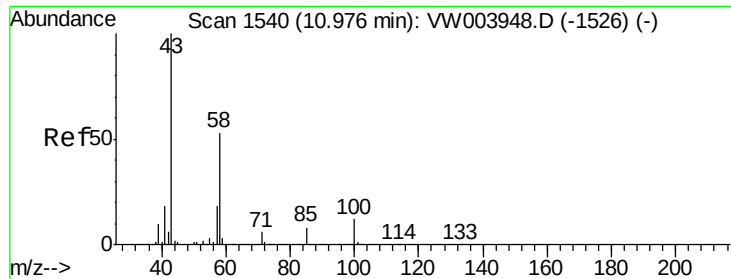
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.30 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 63 Resp: 145745
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.2 31.8





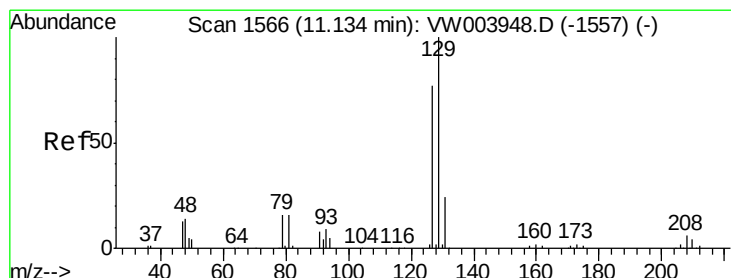
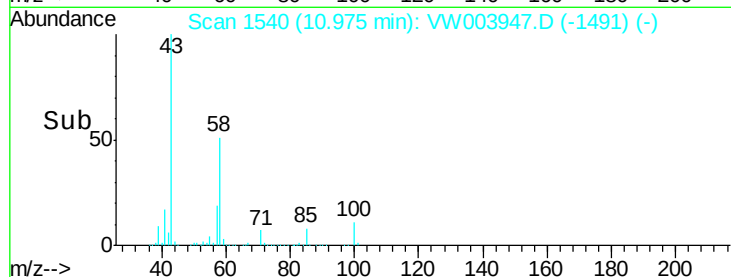
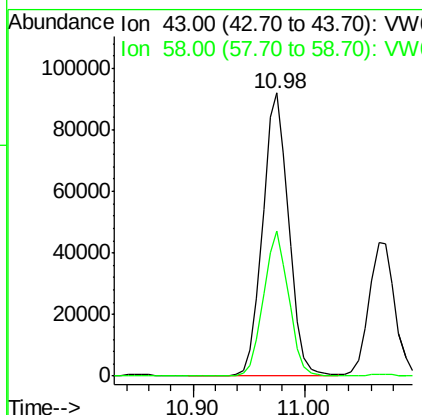
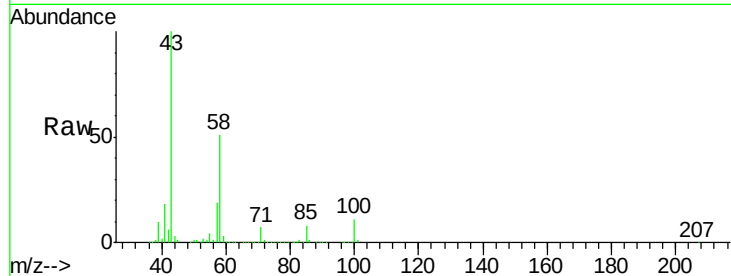
#59
2-Hexanone
Concen: 102.53 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 150636
Ion Ratio Lower Upper
43 100
58 49.4 26.0 78.0

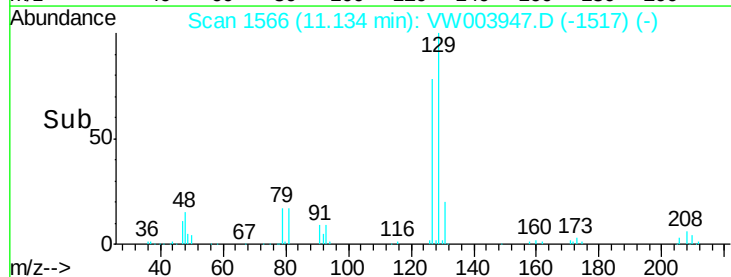
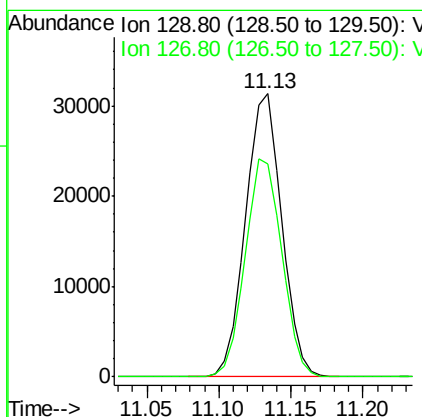
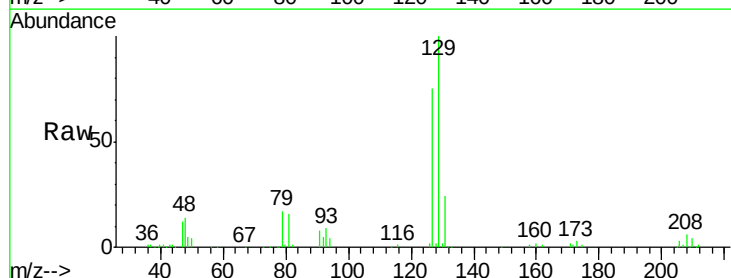
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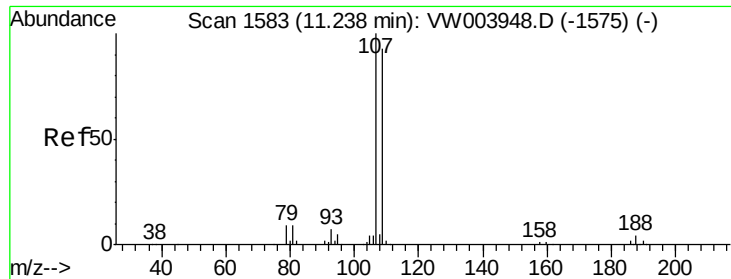
apatel
7/17/2018 10:11:04 AM



#60
Dibromochloromethane
Concen: 19.82 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 129 Resp: 54557
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





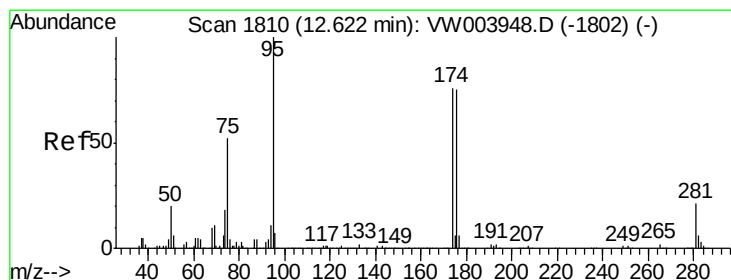
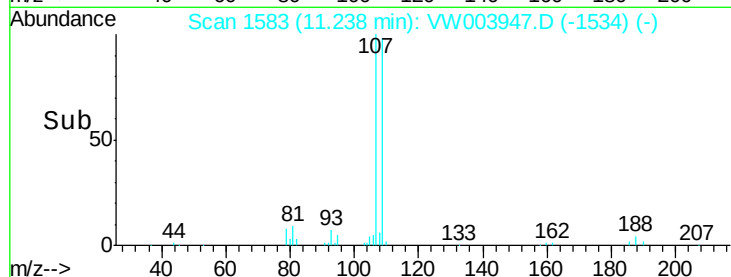
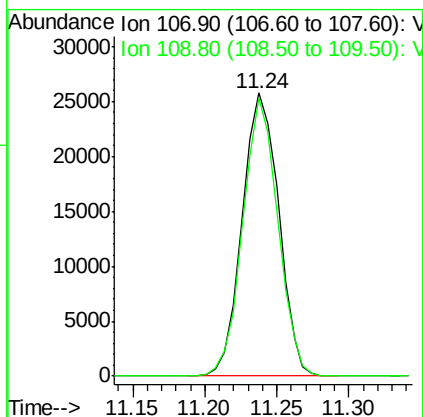
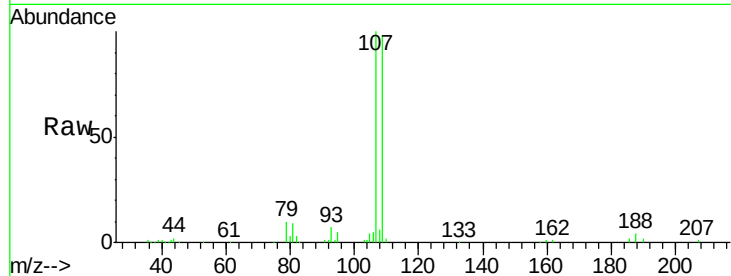
#61
 1,2-Dibromoethane
 Concen: 20.40 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 45261
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.3 111.5

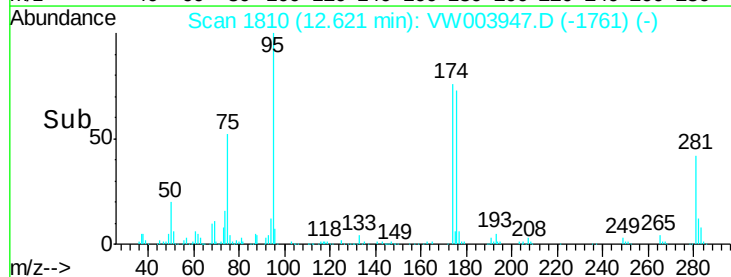
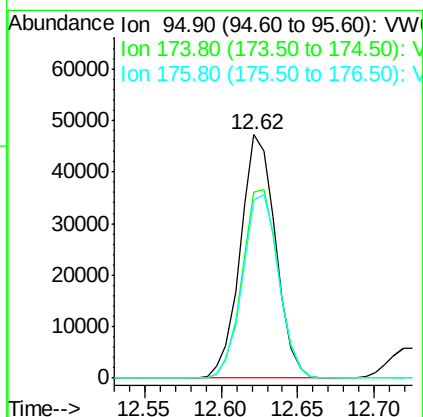
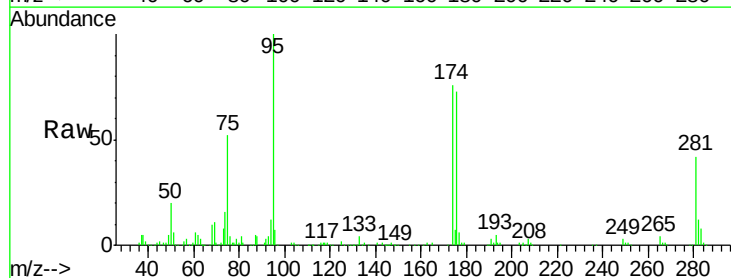
Manual Integrations
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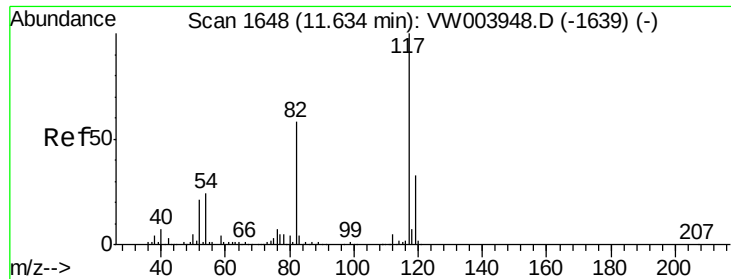
apatel
 7/17/2018 10:11:04 AM



#62
 4-Bromofluorobenzene
 Concen: 18.57 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 95 Resp: 75246
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 160.2
 176 77.8 0.0 155.8





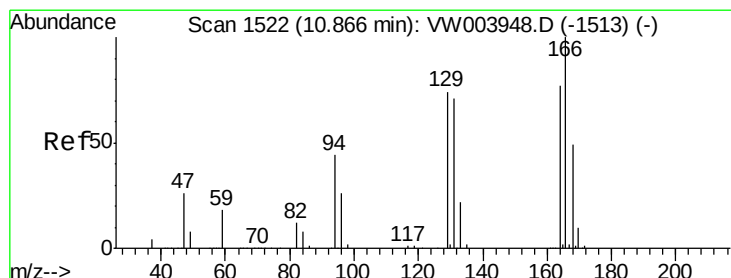
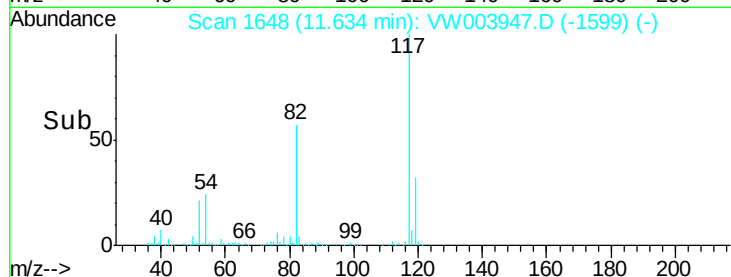
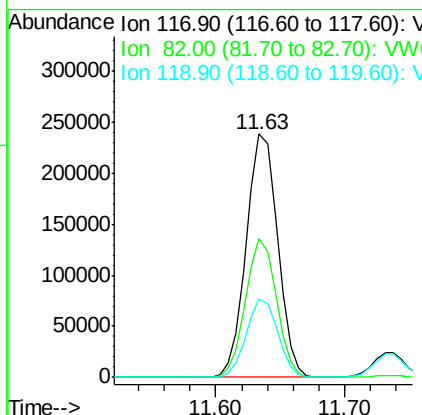
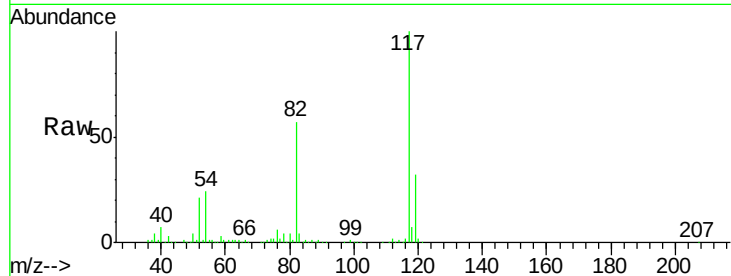
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.5	69.7
119	32.2	26.2	39.2

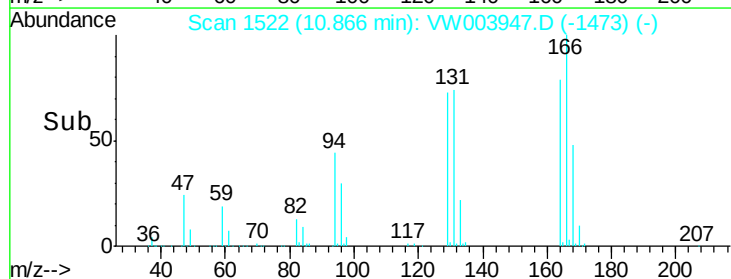
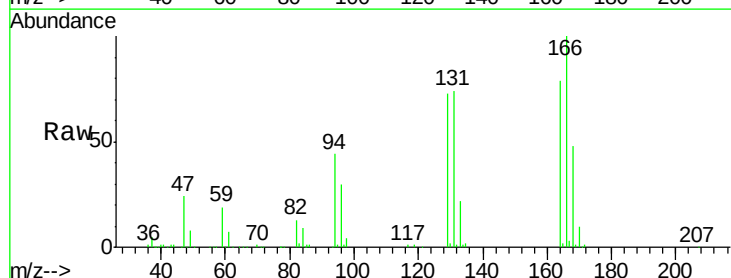
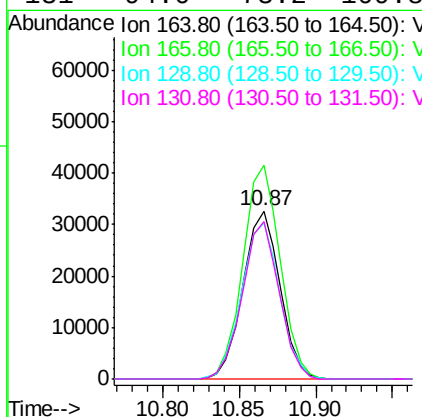
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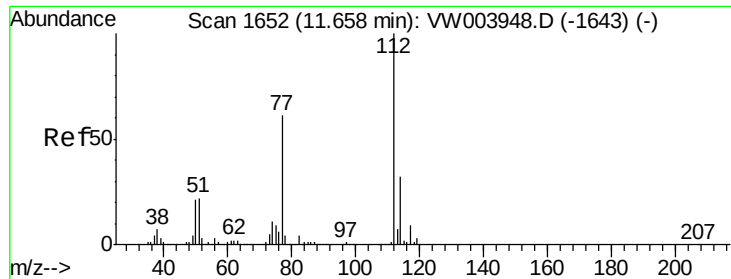
apatel
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#64
Tetrachloroethene
Concen: 19.24 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.5	155.3
129	92.9	76.8	115.2
131	94.0	73.2	109.8





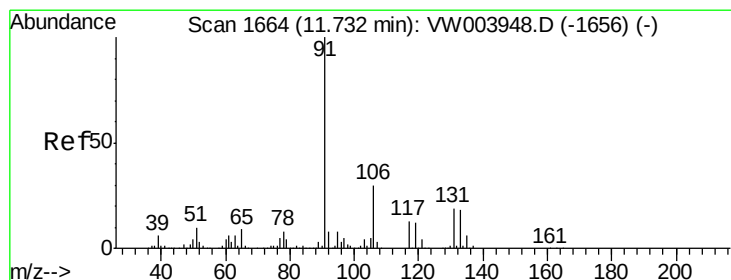
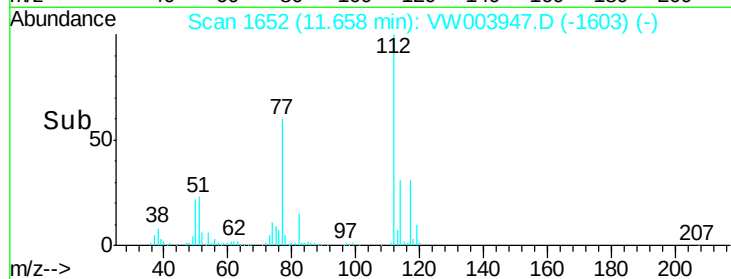
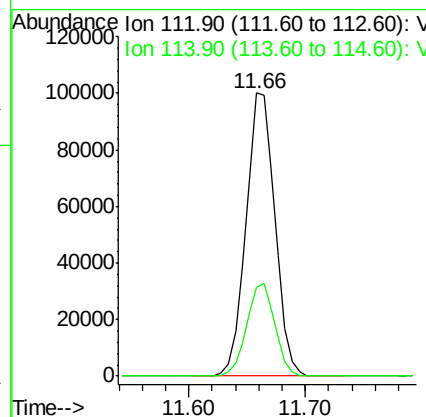
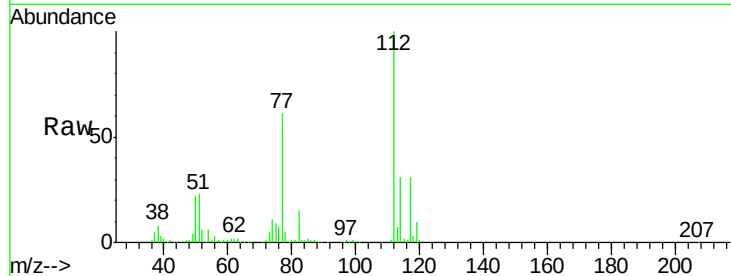
#65
Chlorobenzene
Concen: 19.97 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.2	37.8

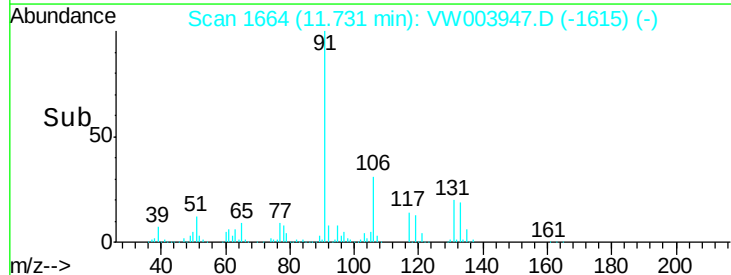
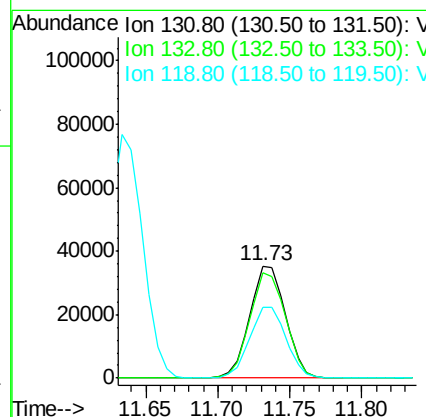
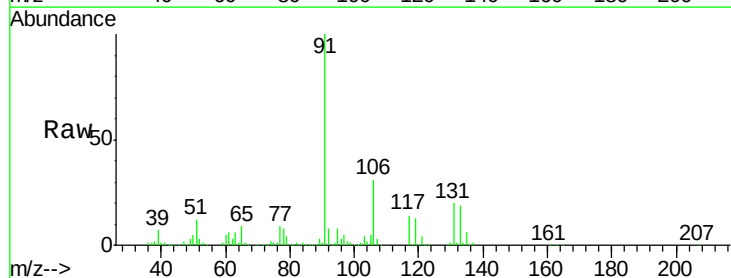
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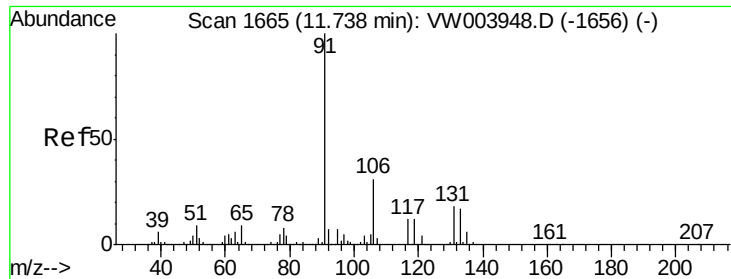
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.09 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.8
119	64.9	32.5	97.5





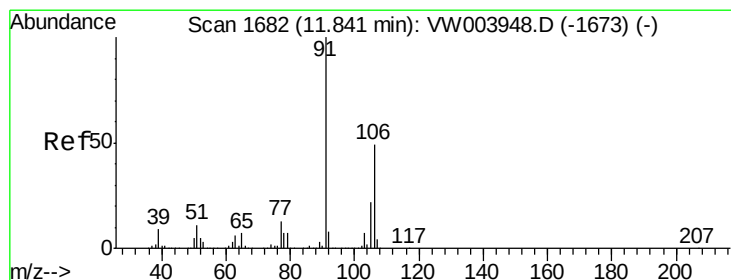
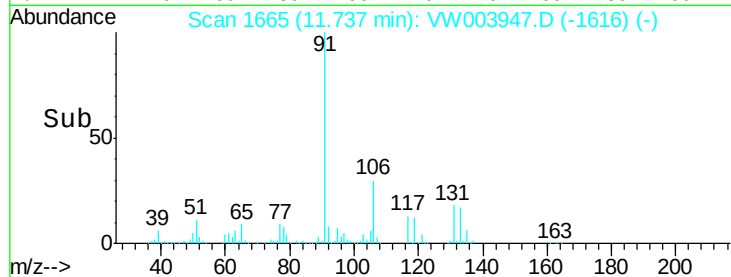
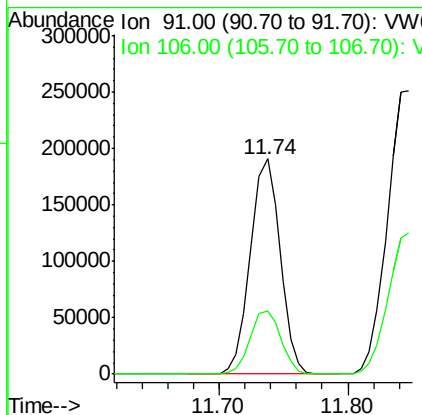
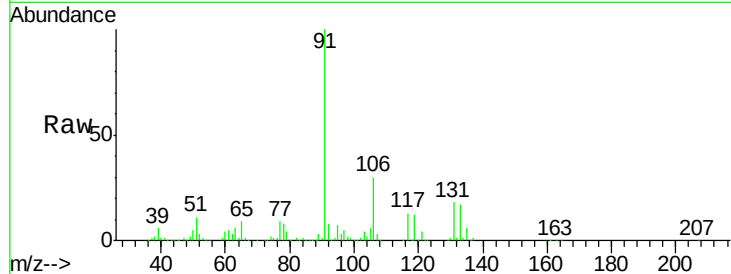
#67
Ethyl Benzene
Concen: 20.20 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 305363
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.4

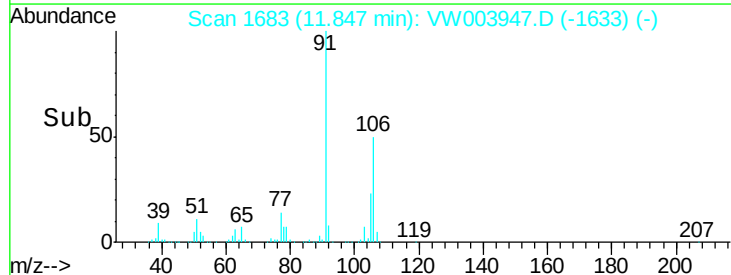
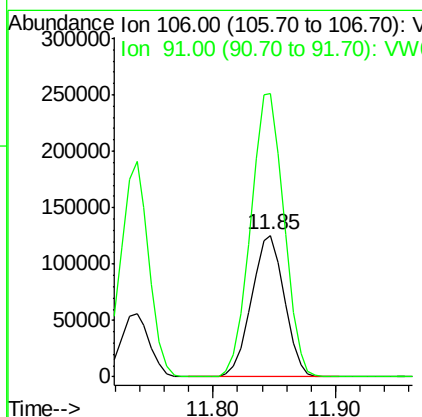
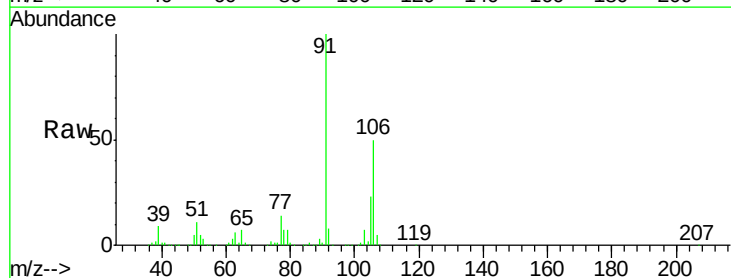
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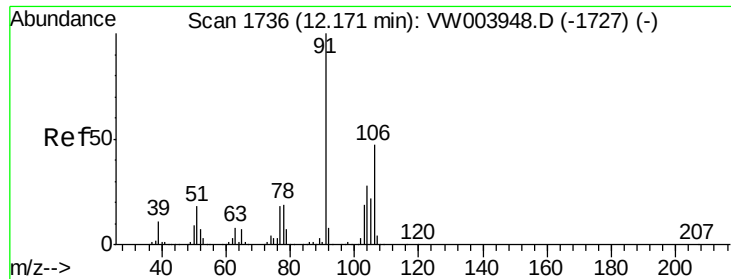
apatel
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#68
m/p-Xylenes
Concen: 40.32 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 106 Resp: 234380
Ion Ratio Lower Upper
106 100
91 203.5 164.2 246.2





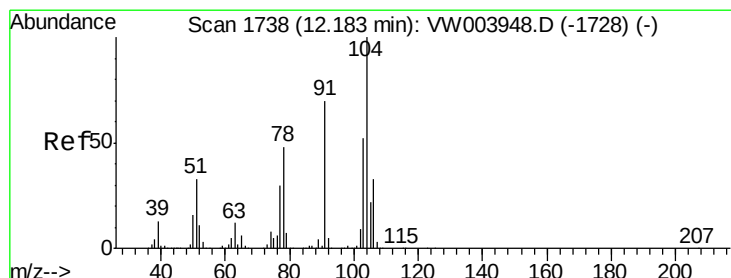
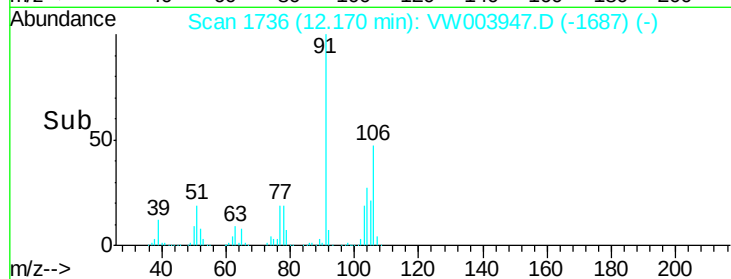
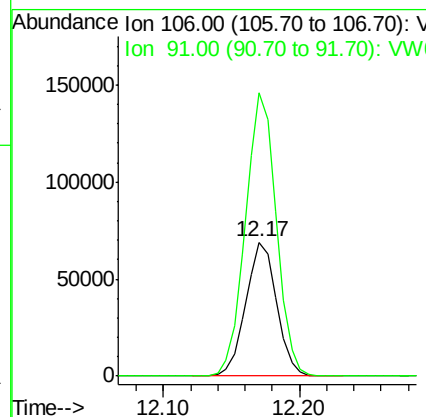
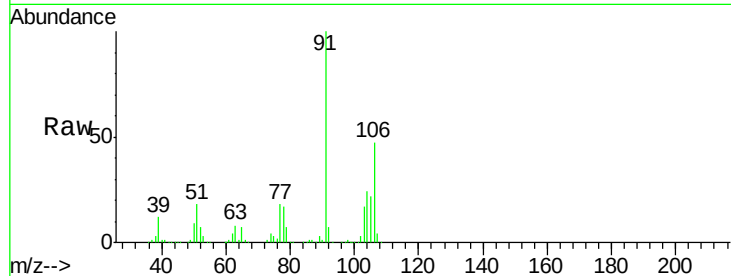
#69
o-Xylene
Concen: 20.44 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	107.5	322.6

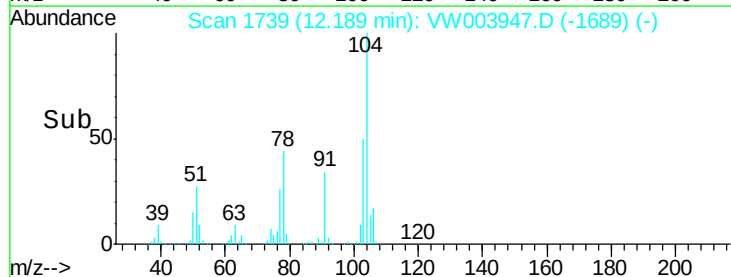
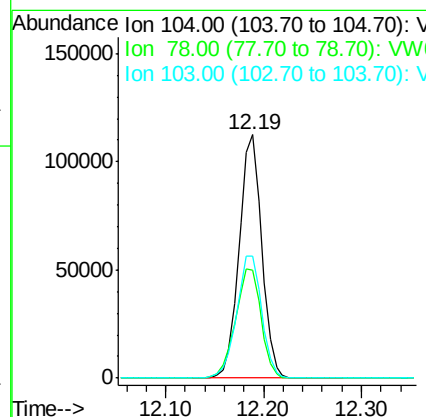
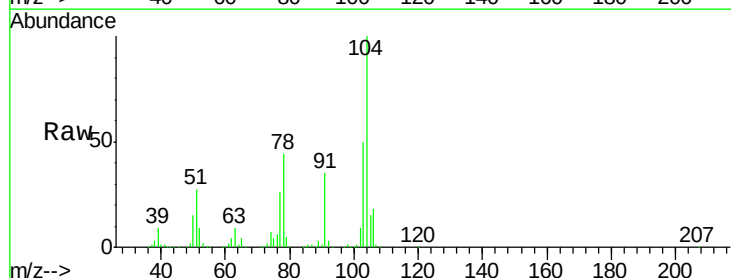
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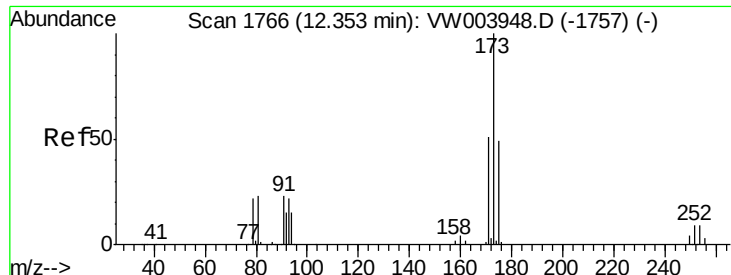
apatel
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#70
Styrene
Concen: 20.01 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	41.0	61.4
103	56.0	44.6	67.0





#71

Bromoform

Concen: 20.03 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

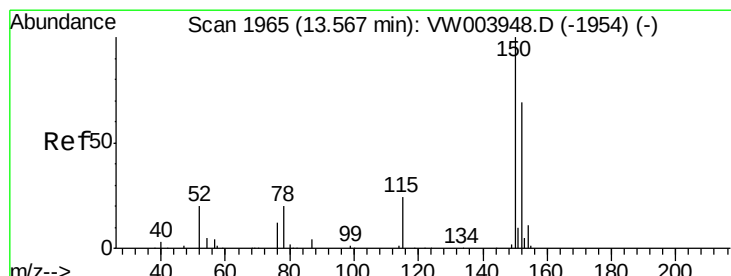
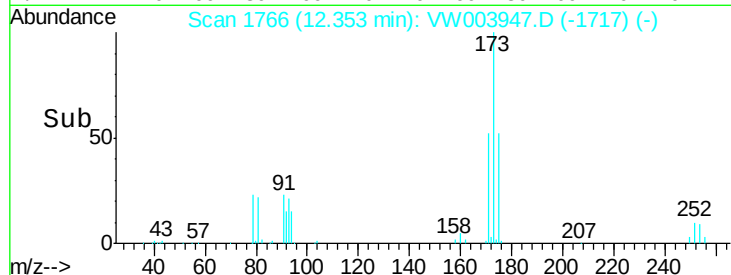
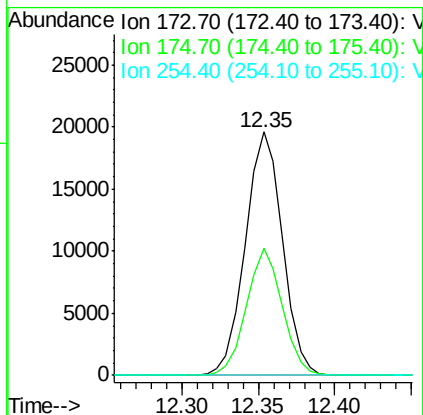
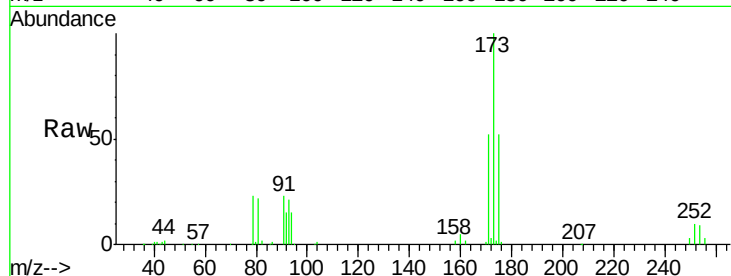
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

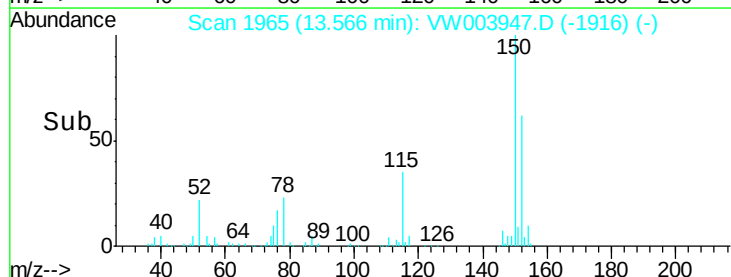
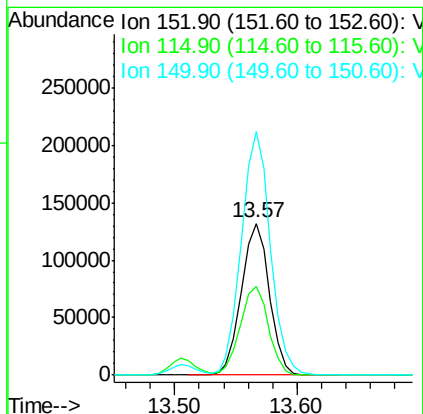
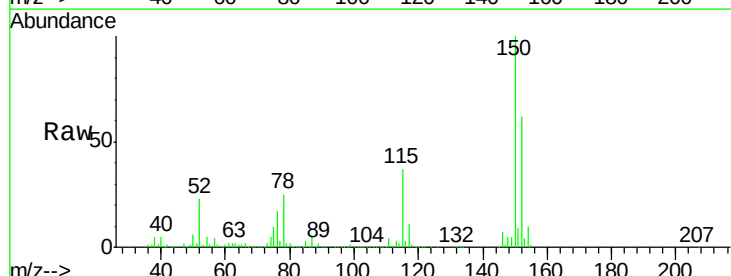
RT: 13.57 min Scan# 1965

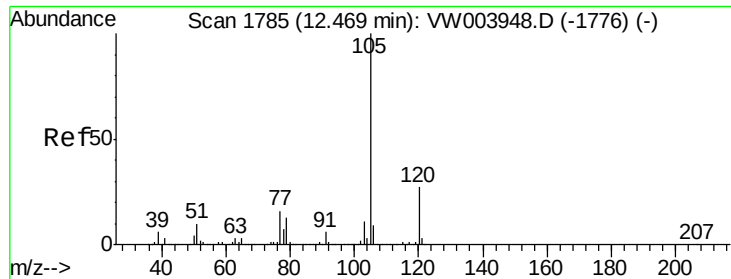
Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.2	87.6
150	166.4	0.0	345.2





#73

Isopropylbenzene

Concen: 20.34 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 297093

Ion Ratio Lower Upper

105 100

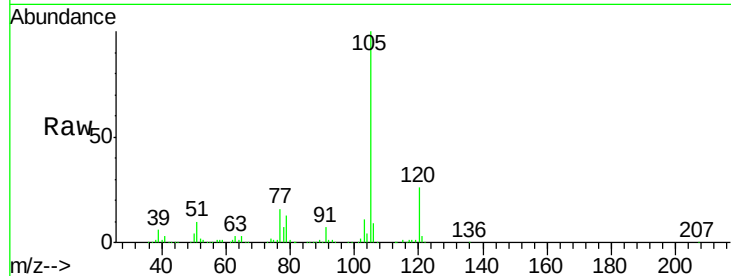
120 26.3 13.2 39.6

Manual Integrations

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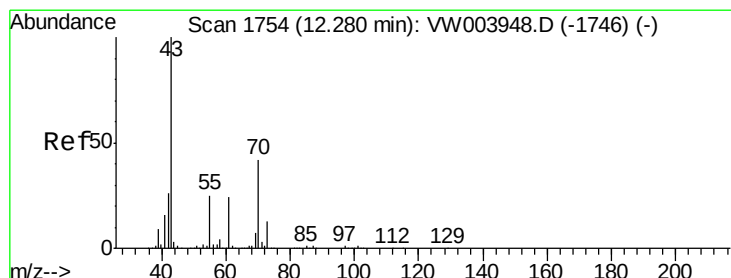
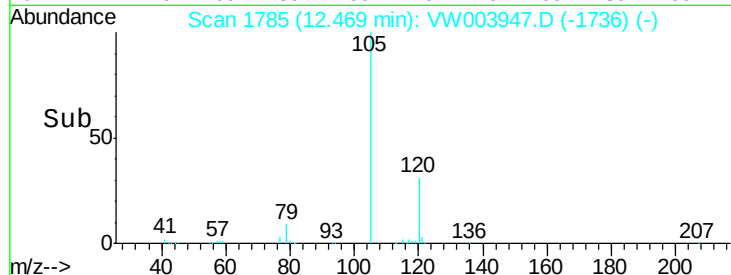
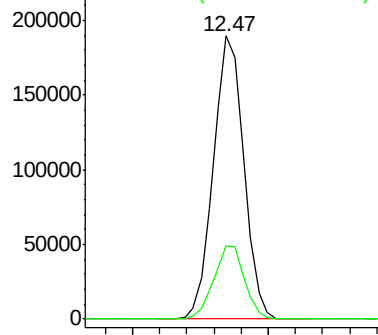
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.37 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion: 43 Resp: 76130

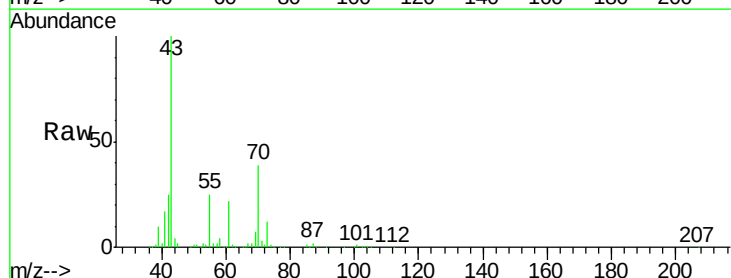
Ion Ratio Lower Upper

43 100

70 39.6 31.6 47.4

55 25.7 20.0 30.0

61 22.1 18.5 27.7

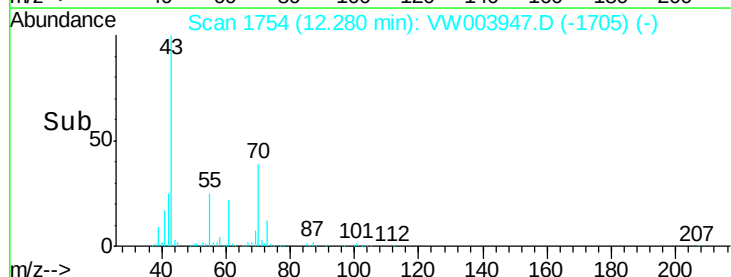
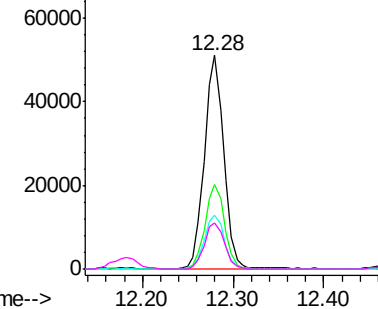


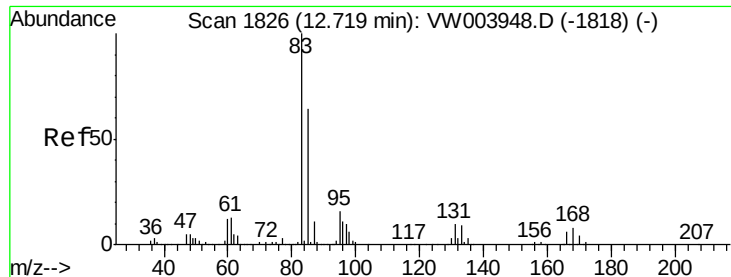
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.50 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

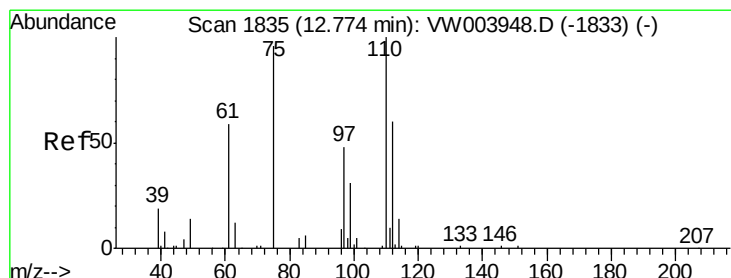
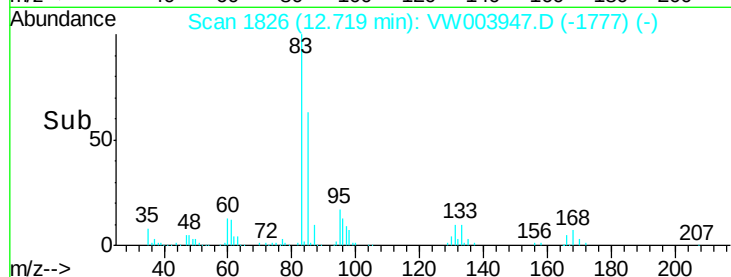
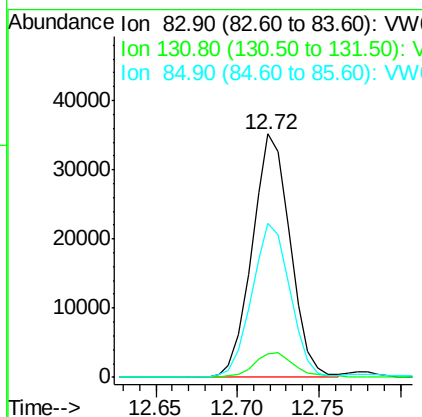
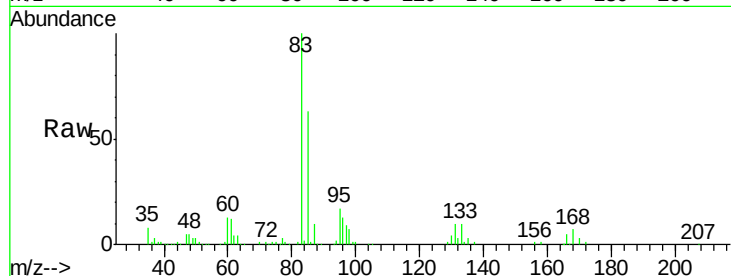
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	57140
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	63.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.17 ug/l m

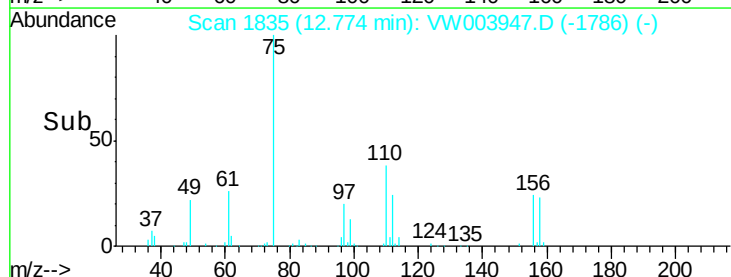
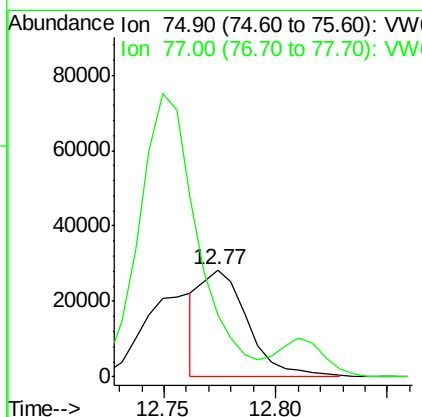
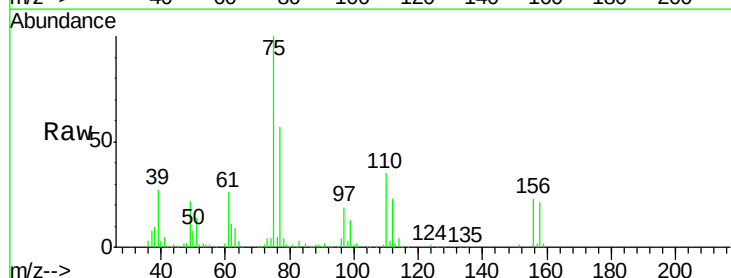
RT: 12.77 min Scan# 1835

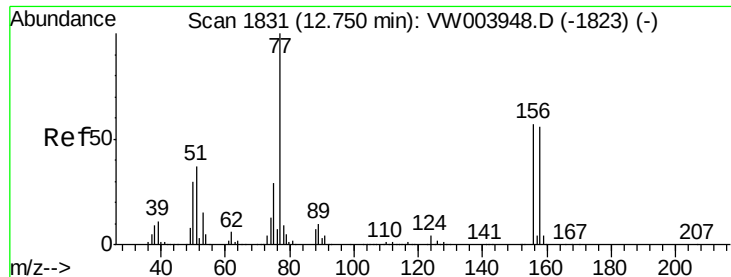
Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	75	Resp:	41735
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.54 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 71802

Ion Ratio Lower Upper

156 100

77 189.7 96.2 288.6

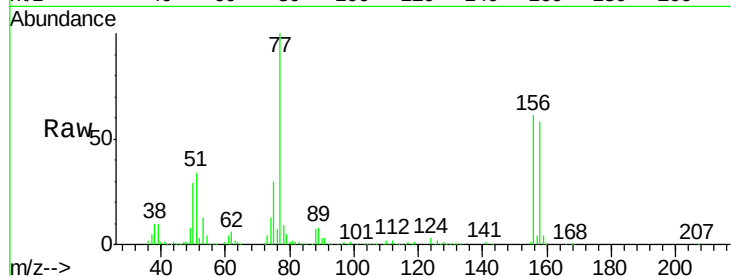
158 95.6 48.5 145.5

Manual Integrations

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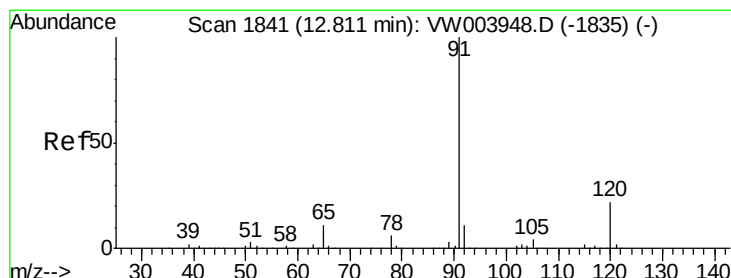
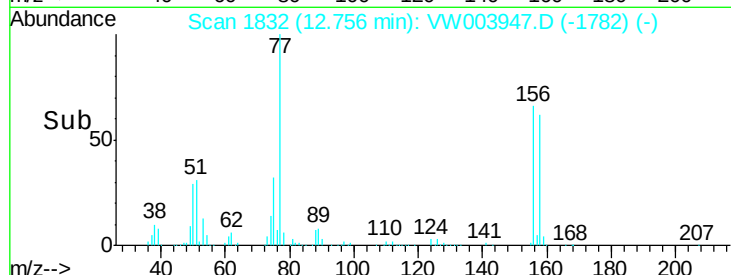
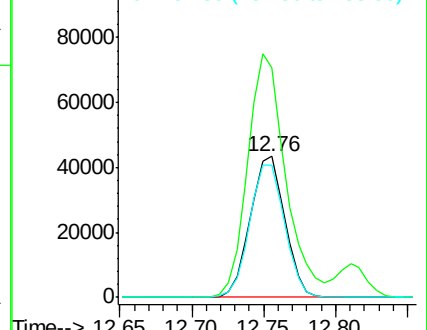
7/17/2018 10:11:04 AM



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: 20.43 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003947.D

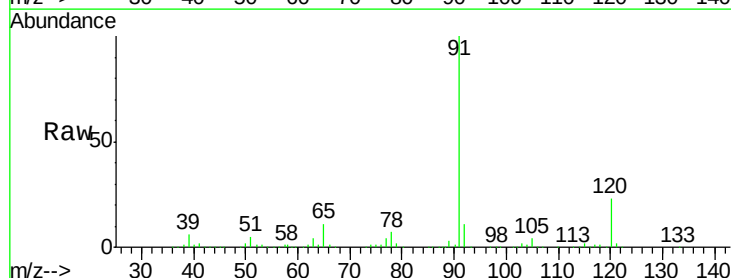
Acq: 16 Jul 2018 12:49

Tgt Ion: 91 Resp: 368839

Ion Ratio Lower Upper

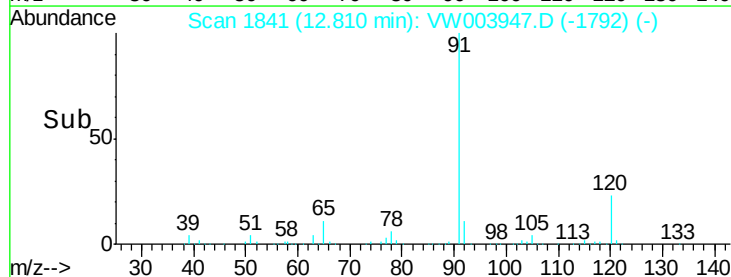
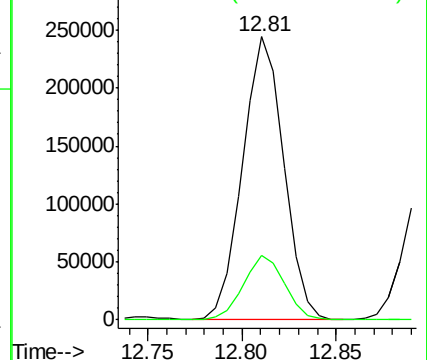
91 100

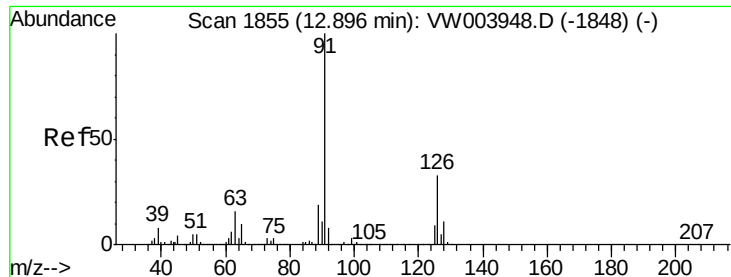
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





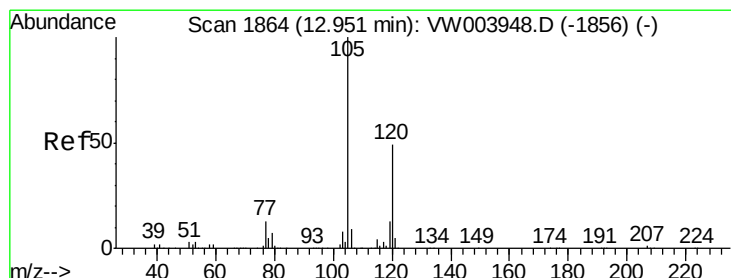
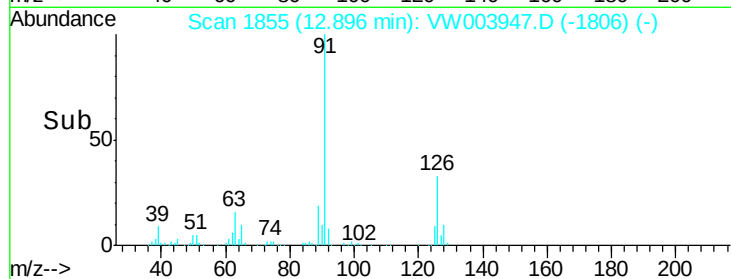
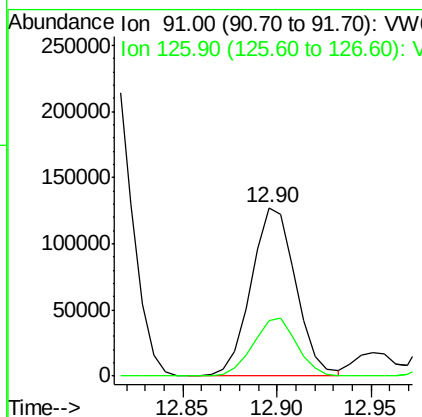
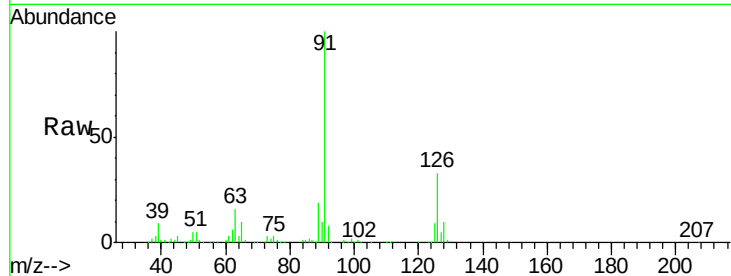
#79
 2-Chlorotoluene
 Concen: 20.45 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 91 Resp: 208654
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0

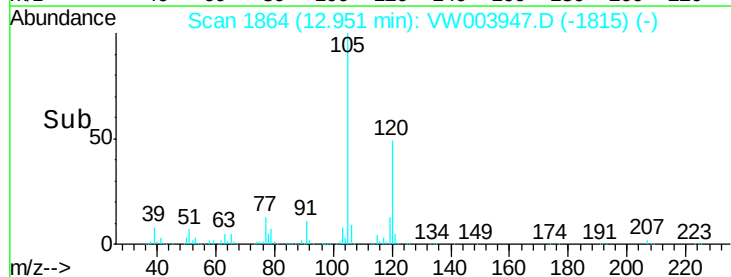
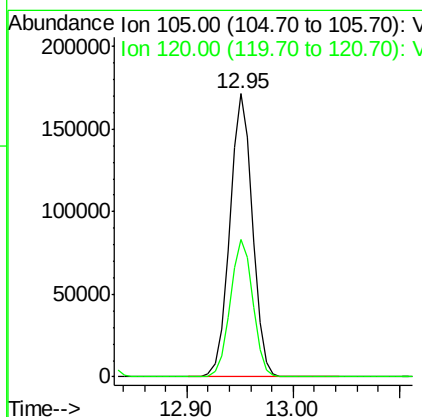
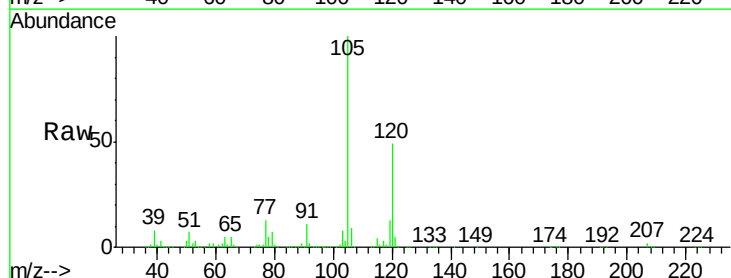
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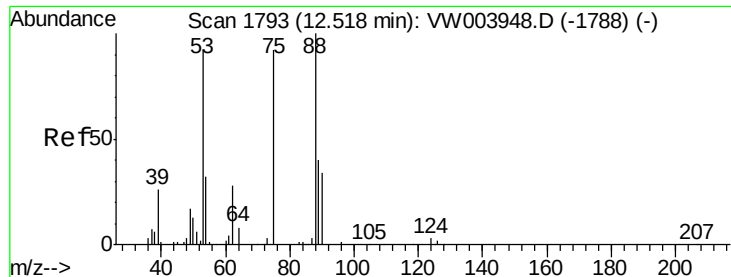
apatel
 7/17/2018 10:11:04 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.63 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 105 Resp: 255760
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.76 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

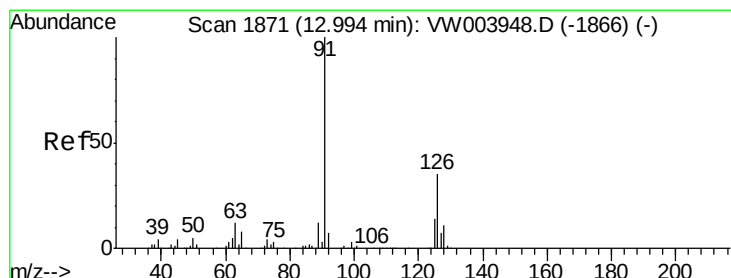
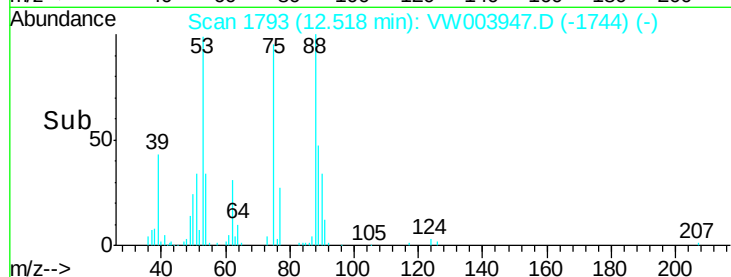
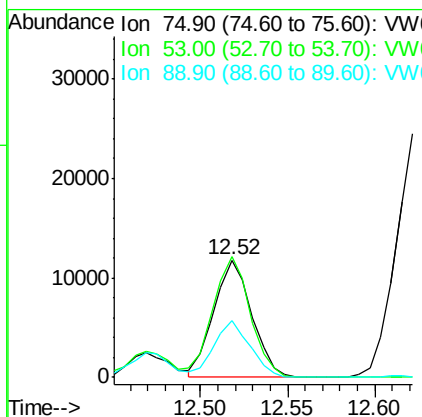
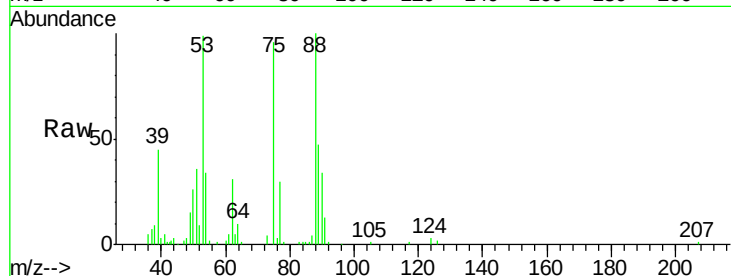
VSTDIC020

Tot Ion:	75	Resp:	17960
Ion	Ratio	Lower	Upper
75	100		
53	102.3	77.6	116.4
89	45.4	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.23 ug/l

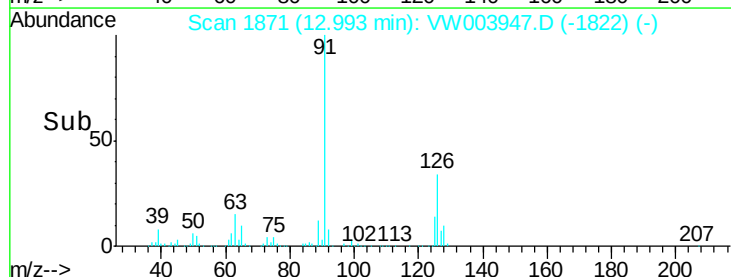
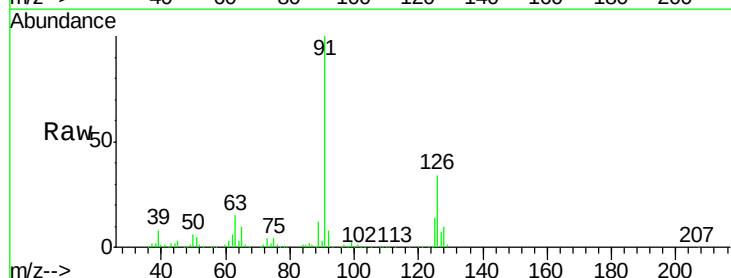
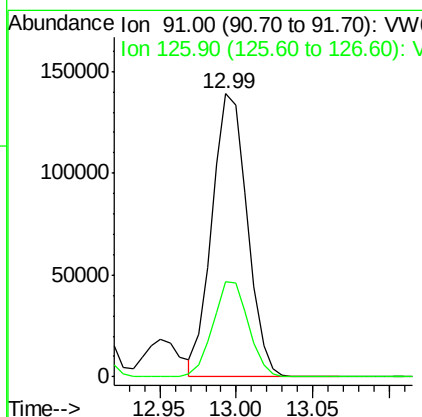
RT: 12.99 min Scan# 1871

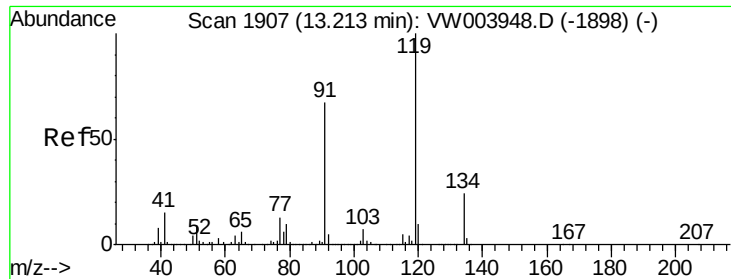
Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:	91	Resp:	222335
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.7	50.0





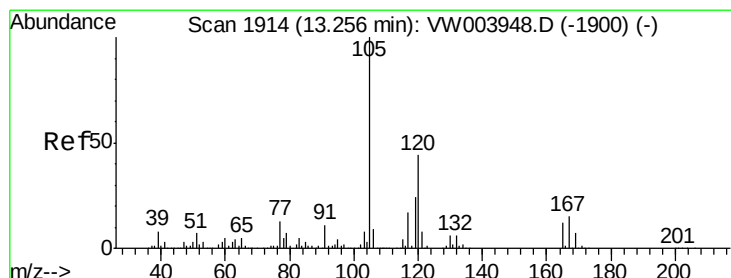
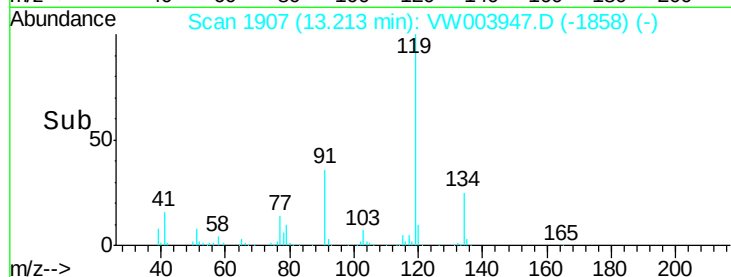
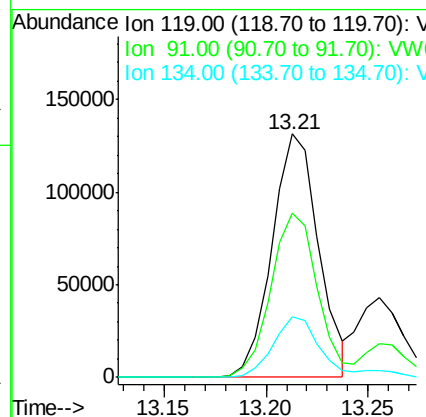
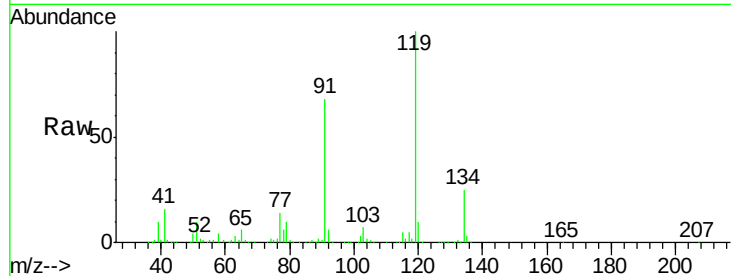
#83
 tert-Butylbenzene
 Concen: 20.24 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209427		
91	68.2		33.2	99.6
134	24.6		13.0	38.9

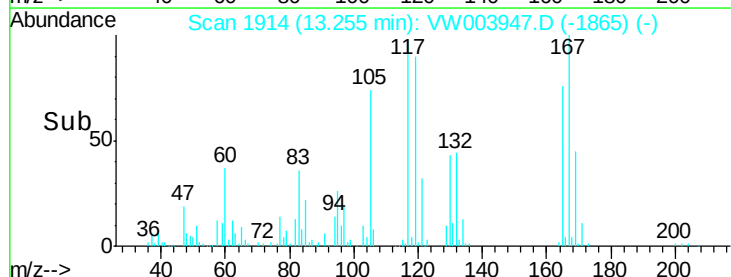
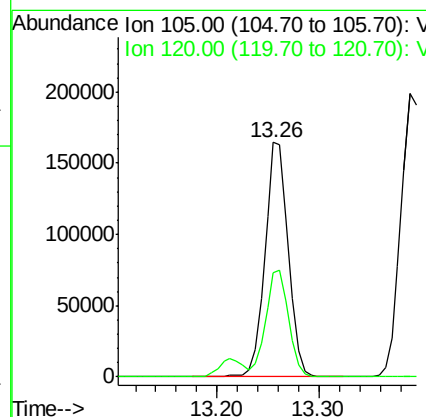
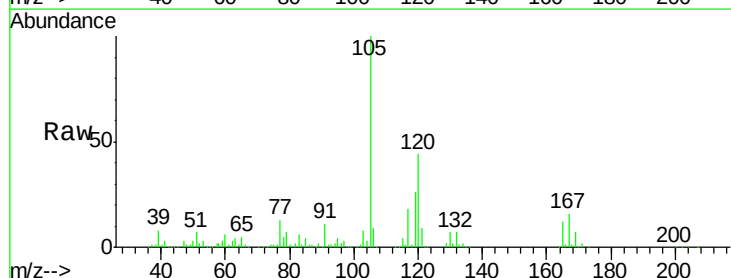
Manual Integrations
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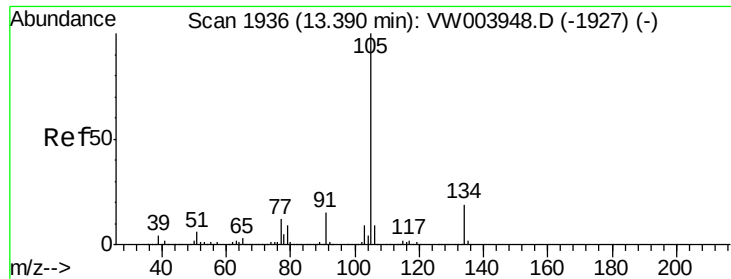
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.45 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261765		
120	44.7		22.1	66.1





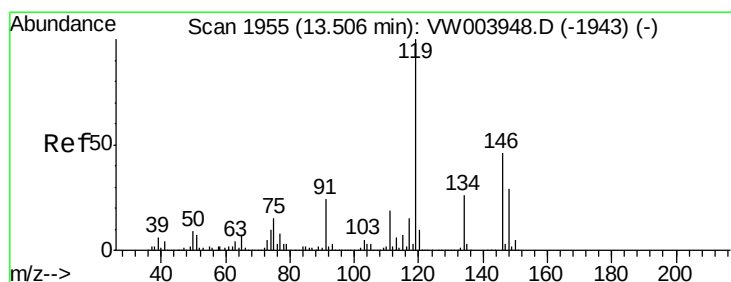
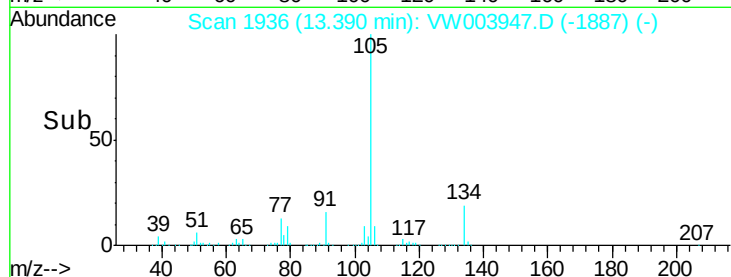
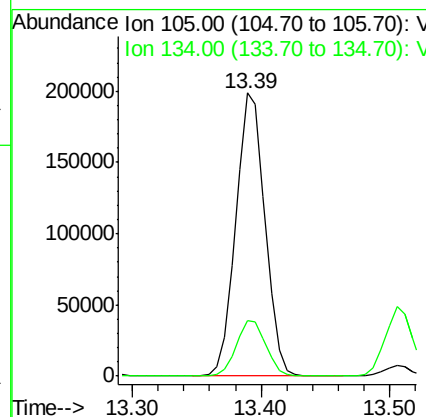
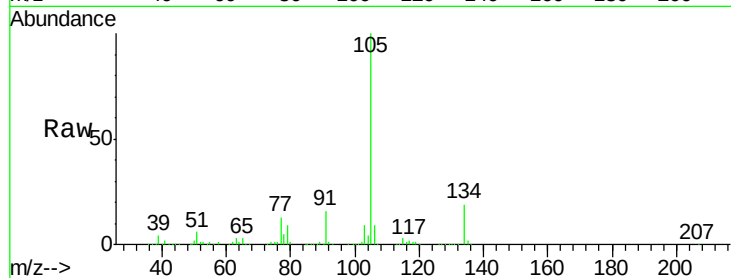
#85
 sec-Butylbenzene
 Concen: 20.23 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	312824		
134	20.0	9.8	29.4	

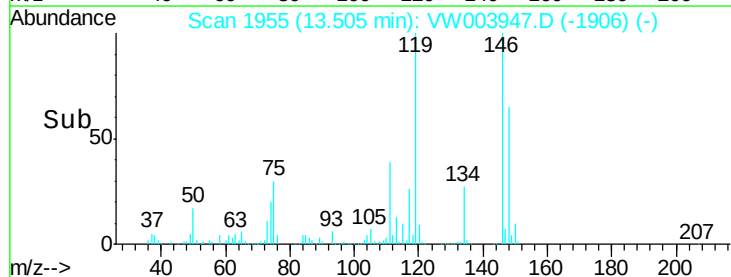
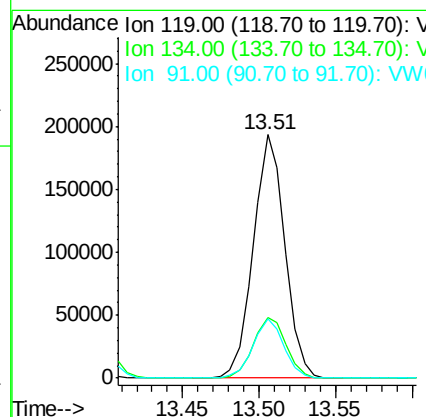
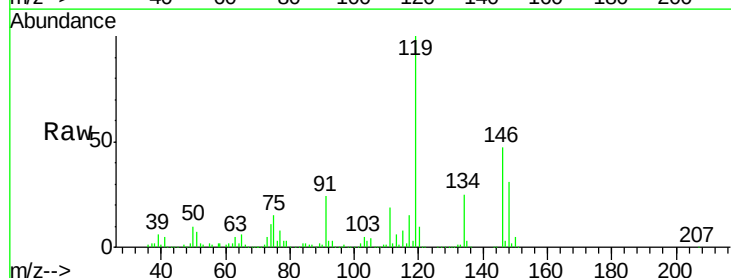
Manual Integrations
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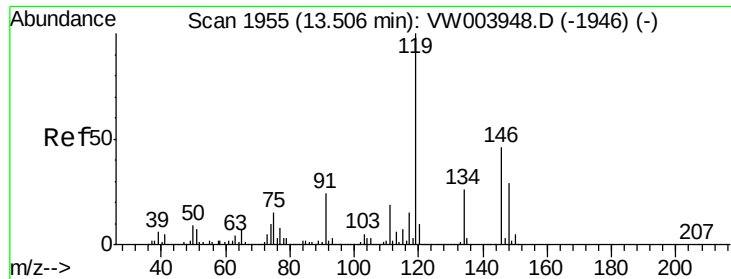
apatel
 7/17/2018 10:11:04 AM



#86
 p-Isopropyltoluene
 Concen: 20.37 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	276042		
134	25.9	13.0	38.9	
91	23.8	11.8	35.3	





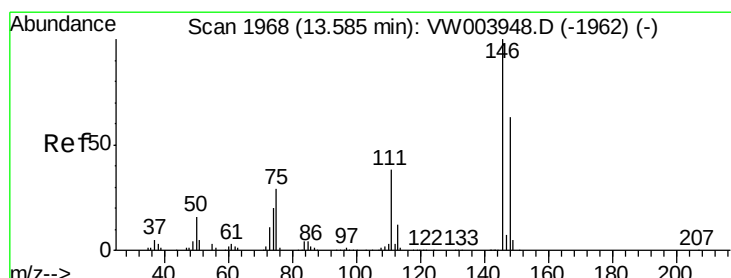
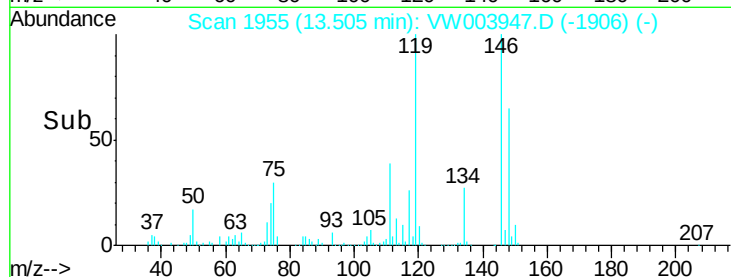
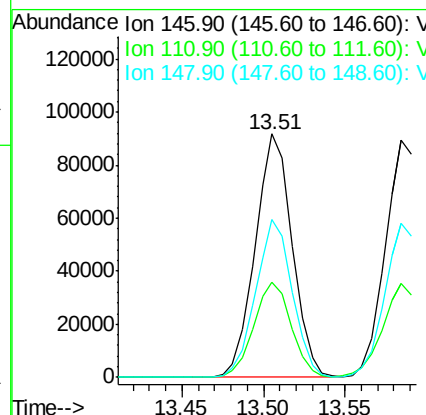
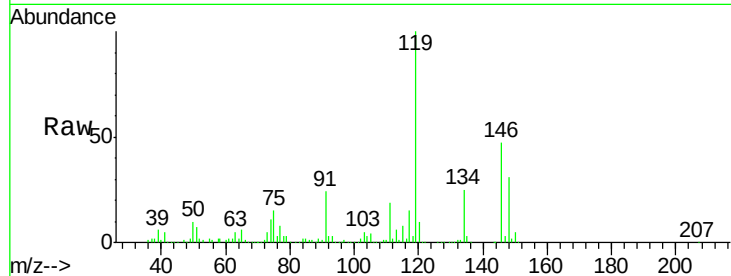
#87
1,3-Dichlorobenzene
Concen: 20.44 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.8	31.9	95.5

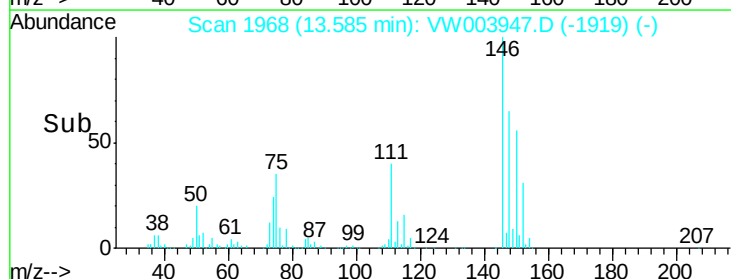
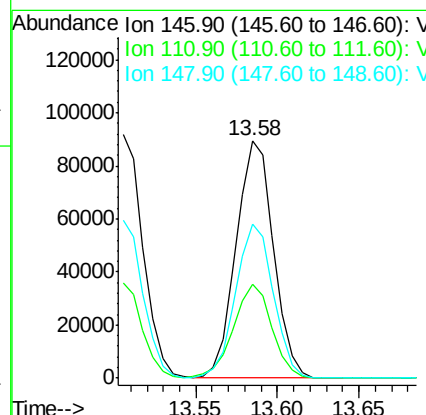
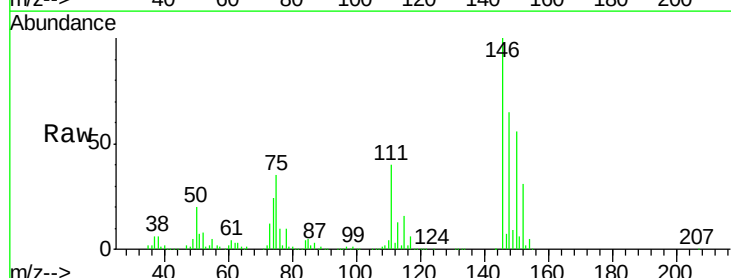
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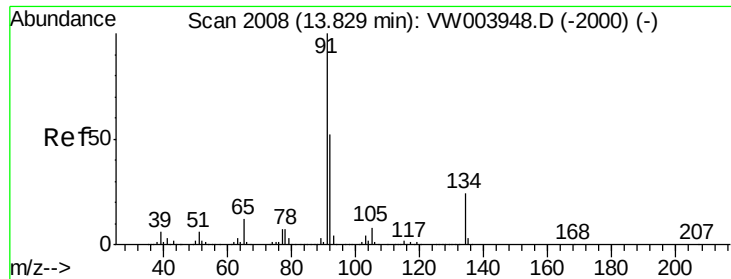
apatel
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#88
1,4-Dichlorobenzene
Concen: 20.19 ug/l
RT: 13.58 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	65.3	32.3	96.8





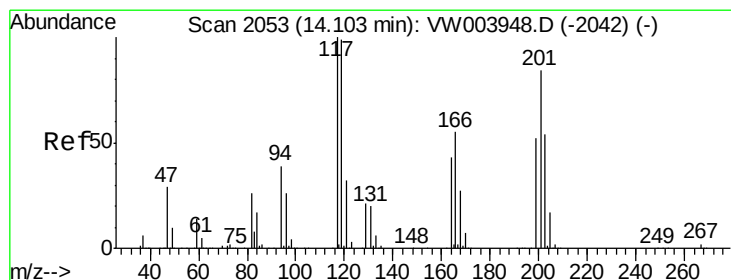
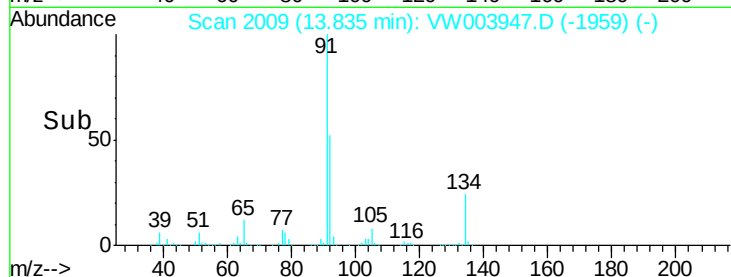
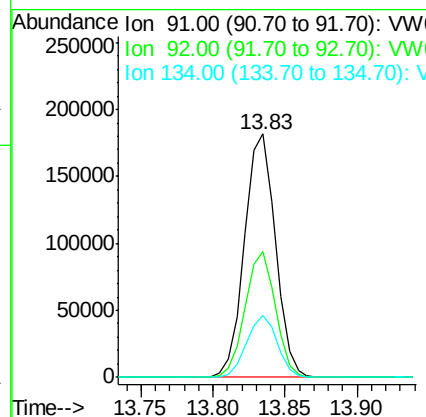
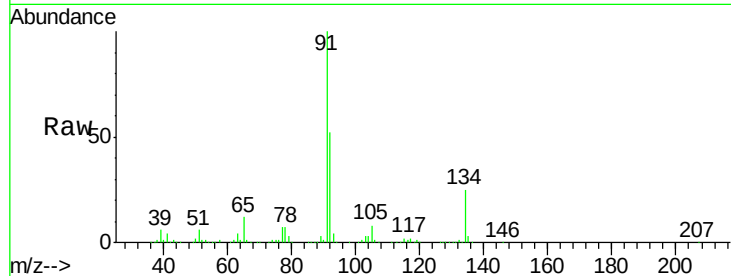
#89
n-Butylbenzene
Concen: 20.25 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	269908		
92	50.7	26.1	78.3	
134	24.9	12.4	37.4	

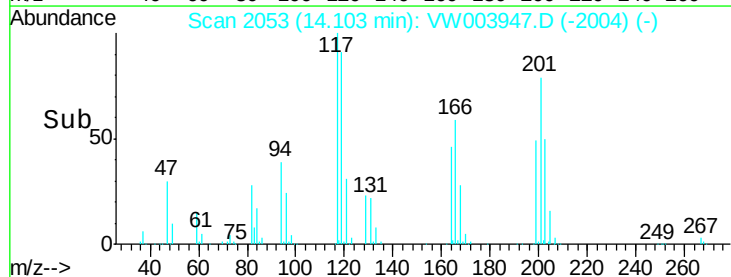
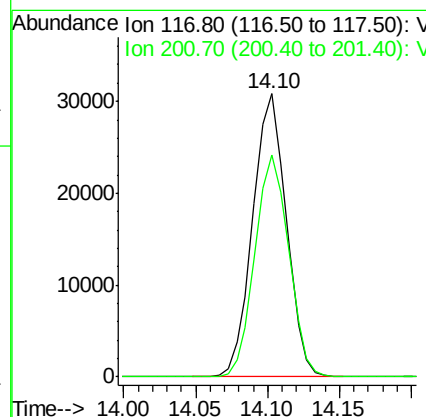
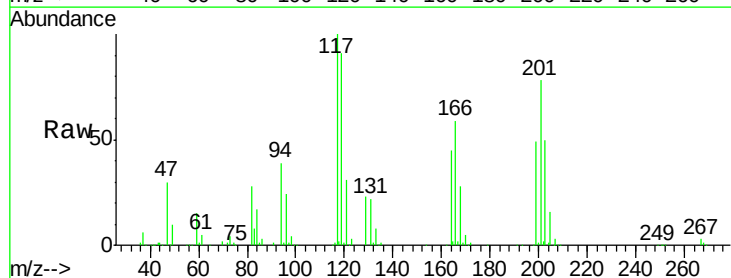
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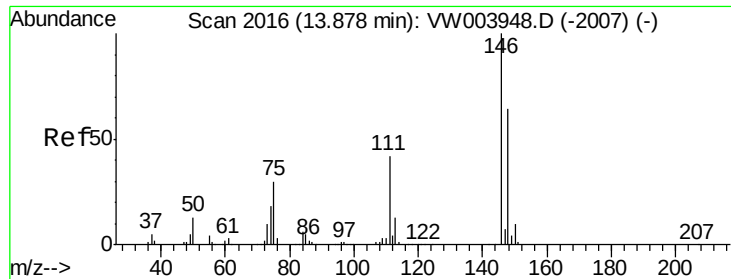
apatel
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#90
Hexachloroethane
Concen: 19.79 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49701		
201	79.0	40.3	120.9	





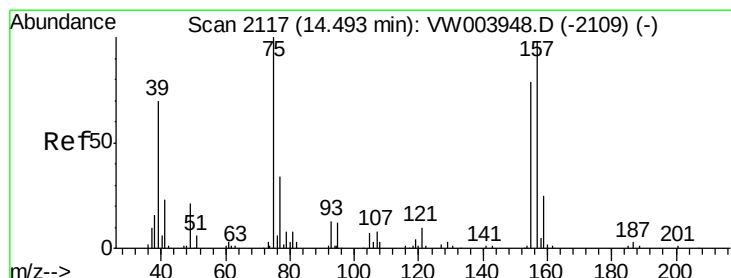
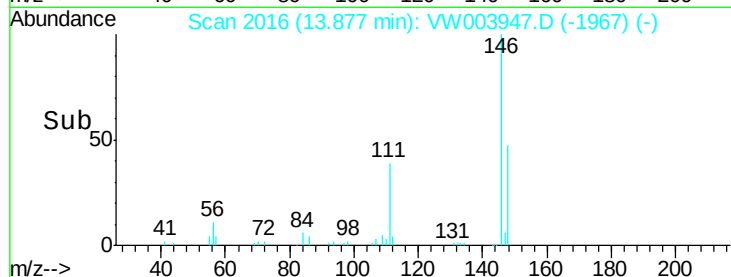
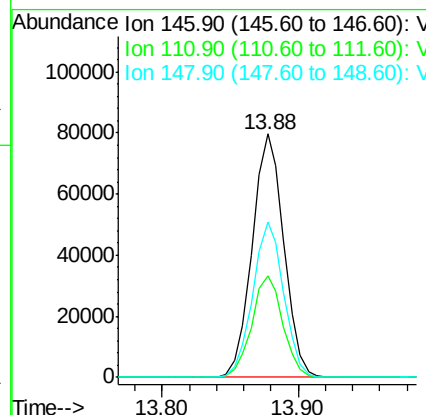
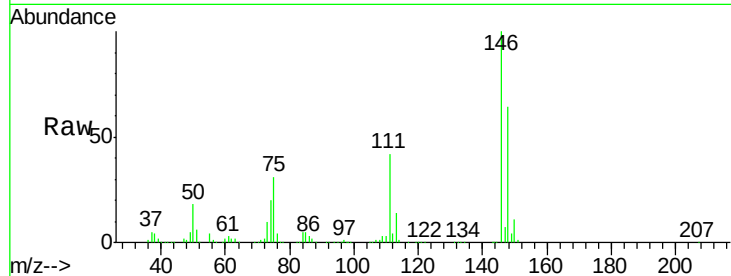
#91
 1,2-Dichlorobenzene
 Concen: 20.47 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	62.7	32.0	96.2

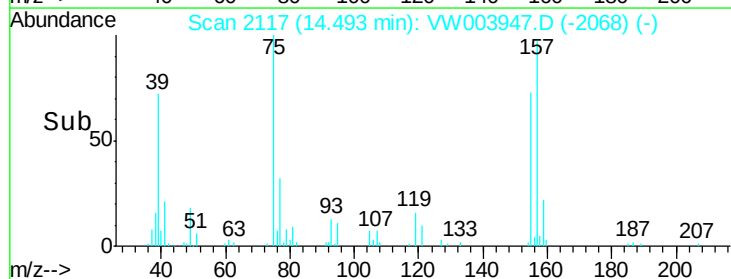
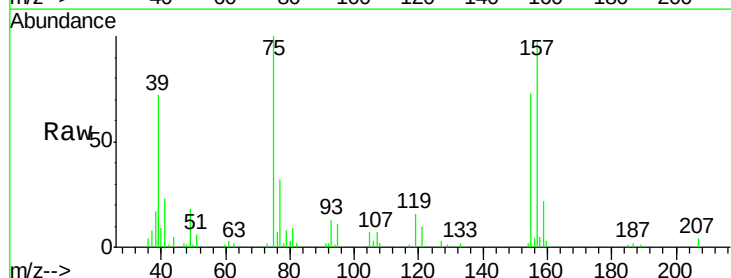
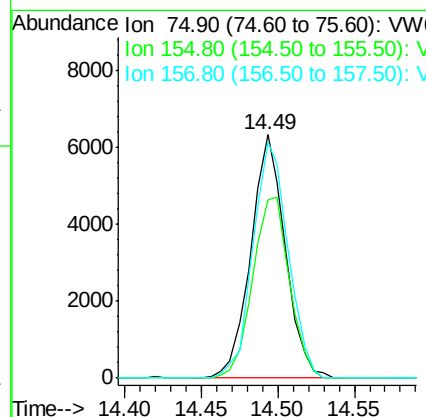
Manual Integrations
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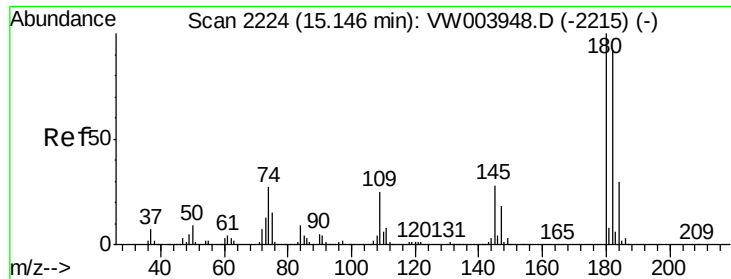
apatel
 7/17/2018 10:11:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.31 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	39.4	118.1
157	99.3	51.8	155.4





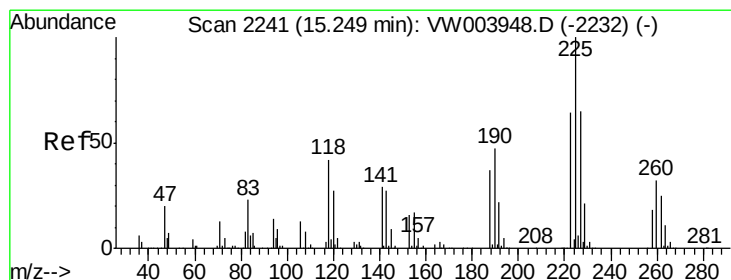
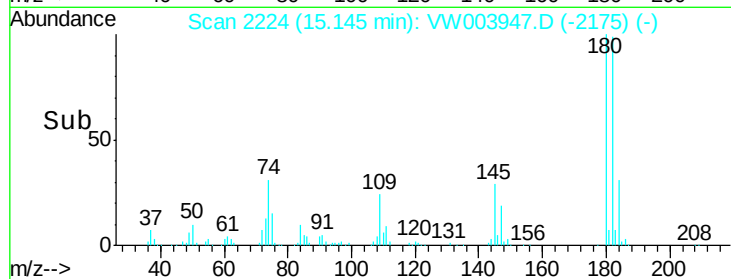
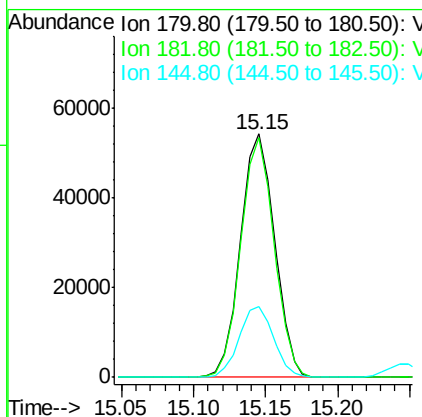
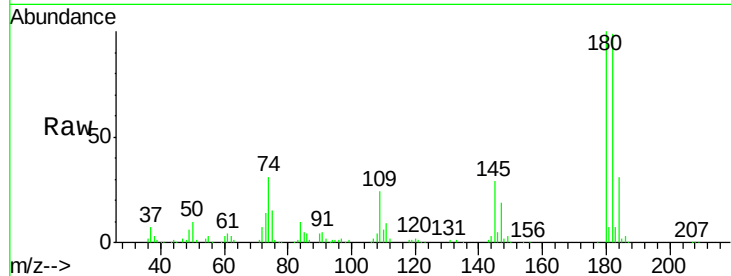
#93
 1,2,4-Trichlorobenzene
 Concen: 20.57 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	46.9	140.8	
145	29.2	15.0	45.0	

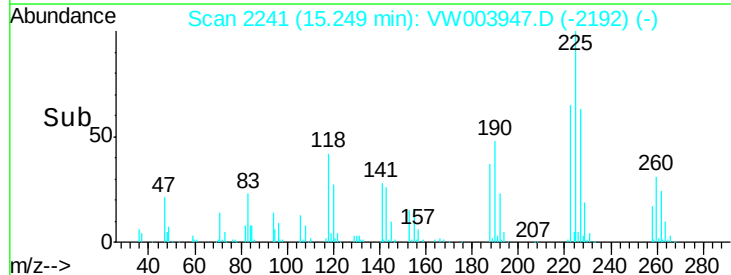
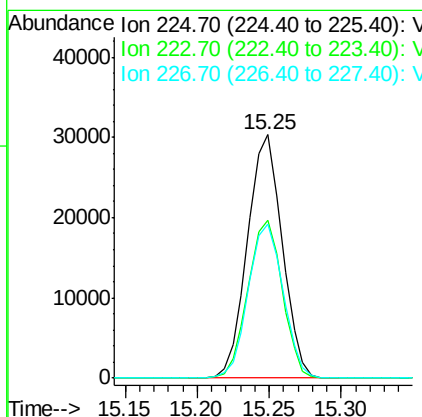
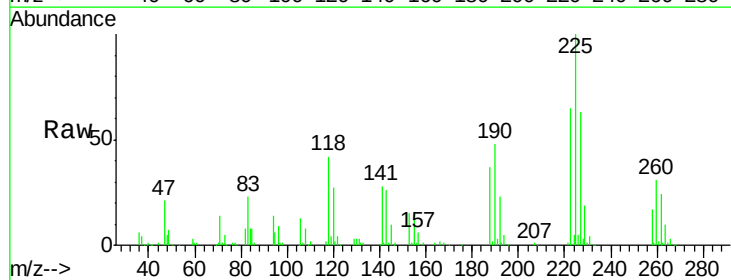
Manual Integrations
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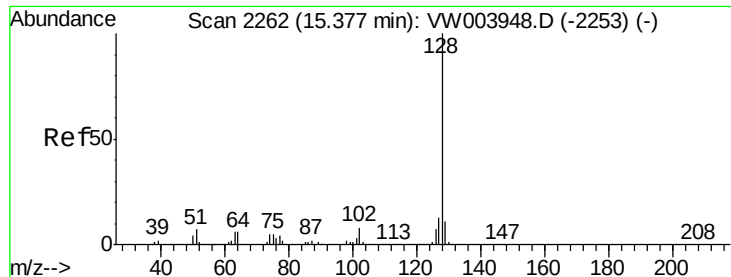
apatel
 7/17/2018 10:11:04 AM



#94
 Hexachlorobutadiene
 Concen: 20.18 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	32.0	96.2	
227	63.5	32.3	96.9	





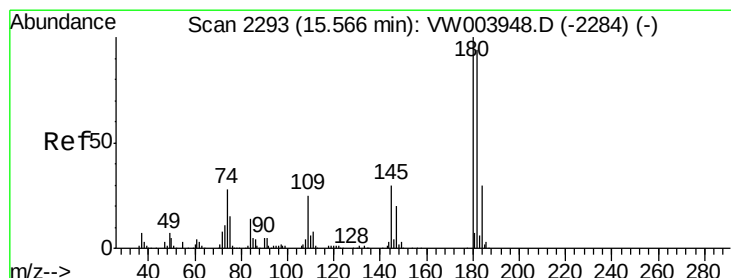
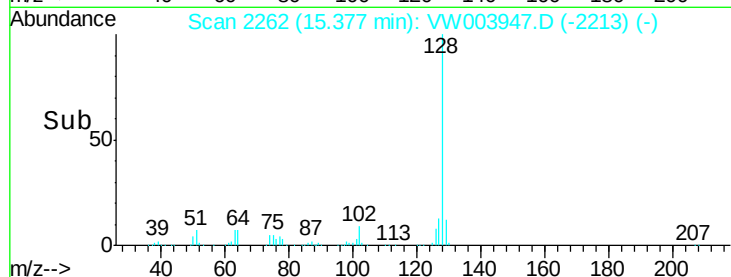
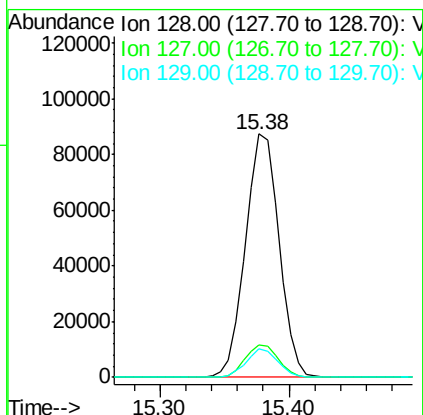
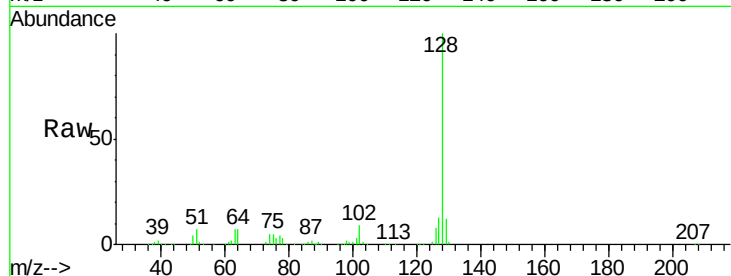
#95
Naphthalene
Concen: 20.07 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.12 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.5	142.6
145	32.5	15.8	47.4

