

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006813.D
 Acq On : 12 Nov 2018 18:14
 Operator : SY/AP
 Sample : VW1112SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Manual Integrations
 APPROVED

Quant Time: Nov 13 13:34:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	401746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	221888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	114464	51.48	ug/l	0.00	apatel
Spiked Amount	50.000		Recovery	=	102.96%		
35) Dibromofluoromethane	7.89	113	119814	50.08	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	100.16%		
50) Toluene-d8	10.33	98	495998	50.02	ug/l	0.00	11/13/2018 3:55:42 PM
Spiked Amount	50.000		Recovery	=	100.04%		
62) 4-Bromofluorobenzene	12.62	95	183102	50.14	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	100.28%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59604	23.738	ug/l	98
3) Chloromethane	2.21	50	65331	23.080	ug/l	100
4) Vinyl Chloride	2.36	62	68151	22.429	ug/l	98
5) Bromomethane	2.78	94	45068	22.046	ug/l	94
6) Chloroethane	2.92	64	41601	21.217	ug/l	98
7) Trichlorofluoromethane	3.26	101	88109	21.967	ug/l	98
8) Diethyl Ether	3.69	74	26063	22.144	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59491	21.874	ug/l	99
10) Methyl Iodide	4.28	142	68447	17.957	ug/l	99
11) Tert butyl alcohol	5.20	59	15735m	107.813	ug/l	
12) 1,1-Dichloroethene	4.04	96	49936	21.737	ug/l	96
13) Acrolein	3.90	56	17660	115.696	ug/l	96
14) Allyl chloride	4.68	41	63177	20.909	ug/l	98
15) Acrylonitrile	5.38	53	49687	111.473	ug/l	99
16) Acetone	4.14	43	35245	110.380	ug/l	96
17) Carbon Disulfide	4.39	76	154824	21.310	ug/l	99
18) Methyl Acetate	4.68	43	24233	22.187	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	124160	22.765	ug/l	97
20) Methylene Chloride	4.92	84	65805	19.463	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	57687	21.292	ug/l	99
22) Diisopropyl ether	6.32	45	139753	22.270	ug/l	99
23) Vinyl Acetate	6.26	43	407656	115.235	ug/l	99
24) 1,1-Dichloroethane	6.22	63	88663	21.304	ug/l	98
25) 2-Butanone	7.18	43	62563	115.857	ug/l	97
26) 2,2-Dichloropropane	7.17	77	89683	21.417	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	62819	21.748	ug/l	99
28) Bromochloromethane	7.51	49	31277	21.485	ug/l	98
29) Tetrahydrofuran	7.54	42	39155	113.303	ug/l	98
30) Chloroform	7.68	83	96234	21.178	ug/l	98
31) Cyclohexane	7.96	56	97081	22.788	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	96357	21.968	ug/l	98
36) 1,1-Dichloropropene	8.09	75	86054	22.889	ug/l	99
37) Ethyl Acetate	7.26	43	30234	24.593	ug/l	99
38) Carbon Tetrachloride	8.07	117	90243	22.085	ug/l	98

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Manual Integrations
 APPROVED

Quant Time: Nov 13 13:34:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105148	21.557	ug/l	99
40) Benzene	8.33	78	226618	21.677	ug/l	100
41) Methacrylonitrile	7.49	41	17518	23.208	ug/l	93
42) 1,2-Dichloroethane	8.41	62	62622	22.358	ug/l	100
43) Isopropyl Acetate	8.43	43	54877	22.952	ug/l	99
44) Trichloroethene	9.09	130	72348	21.933	ug/l	96
45) 1,2-Dichloropropane	9.37	63	54023	22.172	ug/l	99
46) Dibromomethane	9.46	93	29330	21.626	ug/l	100
47) Bromodichloromethane	9.65	83	74475	22.139	ug/l	99
48) Methyl methacrylate	9.44	41	24932	21.269	ug/l	99
49) 1,4-Dioxane	9.48	88	8674	423.314	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	135739	113.223	ug/l	99
52) Toluene	10.39	92	157990	21.317	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	72253	21.817	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	87290	22.228	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	46119	22.916	ug/l	97
56) Ethyl methacrylate	10.65	69	47928	21.730	ug/l	99
57) 1,3-Dichloropropane	10.93	76	70479	22.113	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	126332	114.362	ug/l	100
59) 2-Hexanone	10.97	43	94833	114.681	ug/l	99
60) Dibromochloromethane	11.13	129	53371	21.672	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43023	22.509	ug/l	99
64) Tetrachloroethene	10.87	164	66245	21.189	ug/l	98
65) Chlorobenzene	11.66	112	182545	21.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59364	21.138	ug/l	99
67) Ethyl Benzene	11.74	91	311282	21.097	ug/l	99
68) m/p-Xylenes	11.84	106	255693	42.354	ug/l	100
69) o-Xylene	12.17	106	117435	20.901	ug/l	99
70) Styrene	12.18	104	187114	20.807	ug/l	100
71) Bromoform	12.35	173	32595	21.266	ug/l #	98
73) Isopropylbenzene	12.47	105	323270	20.989	ug/l	99
74) N-amyl acetate	12.28	43	51251	22.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47158	22.133	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36428m	22.781	ug/l	
77) Bromobenzene	12.75	156	83291	21.450	ug/l	99
78) n-propylbenzene	12.81	91	389379	21.420	ug/l	100
79) 2-Chlorotoluene	12.90	91	213881	20.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	282720	21.353	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13254	20.502	ug/l	95
82) 4-Chlorotoluene	12.99	91	231527	21.277	ug/l	100
83) tert-Butylbenzene	13.21	119	247169	21.119	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	288816	21.434	ug/l	100
85) sec-Butylbenzene	13.39	105	353394	21.308	ug/l	100
86) p-Isopropyltoluene	13.51	119	323370	21.436	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	170843	21.587	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	167803	21.431	ug/l	98
89) n-Butylbenzene	13.83	91	297237	21.560	ug/l	99
90) Hexachloroethane	14.10	117	49453	20.487	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	148481	21.544	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7381	21.638	ug/l	99

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ClientSampleId :
VW1112SBS01

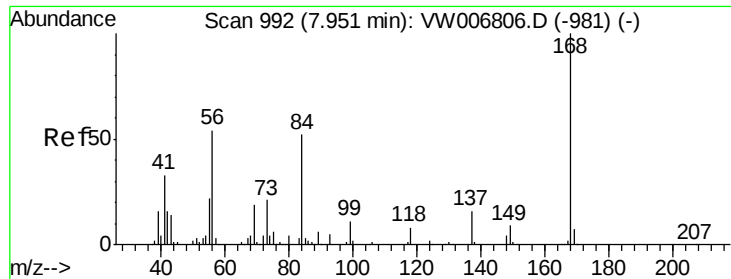
Manual Integrations
APPROVED

Quant Time: Nov 13 13:34:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	113496	21.811	ug/l	99
94) Hexachlorobutadiene	15.24	225	70688	21.439	ug/l	99
95) Naphthalene	15.38	128	168194	21.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	96443	21.597	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion:168 Resp: 304142

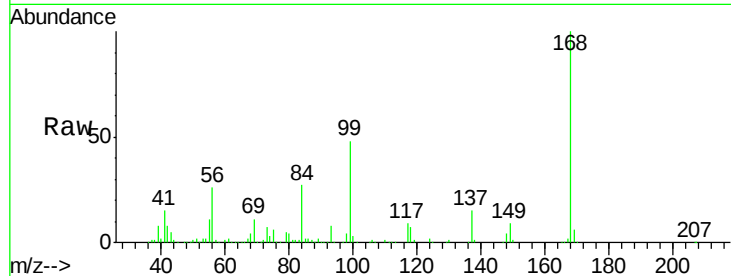
Ion Ratio Lower Upper

168 100

99 48.1 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

50000

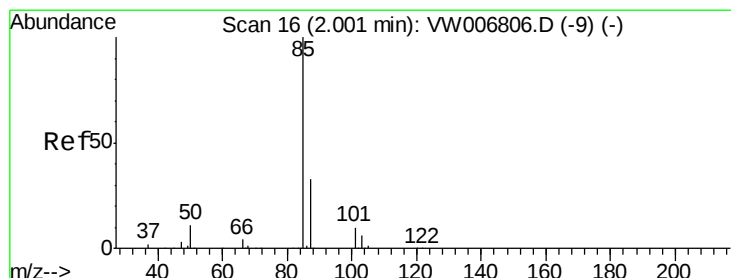
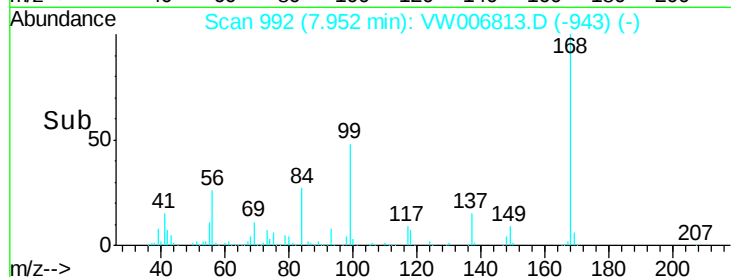
0

7.80 7.90 8.00 8.10

Time-->

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#2

Dichlorodifluoromethane

Concen: 23.738 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006813.D

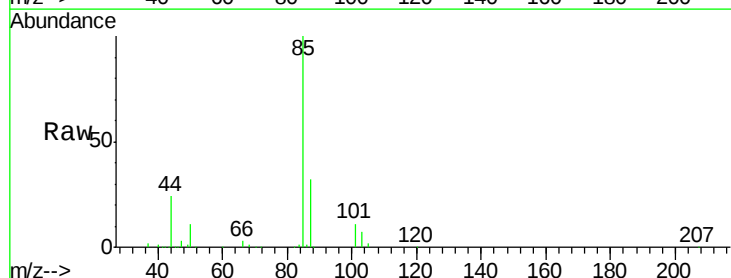
Acq: 12 Nov 2018 18:14

Tgt Ion: 85 Resp: 59604

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

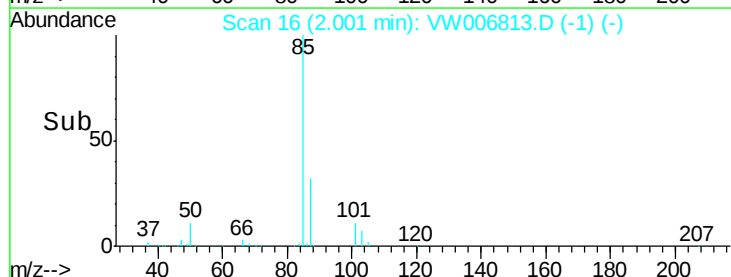
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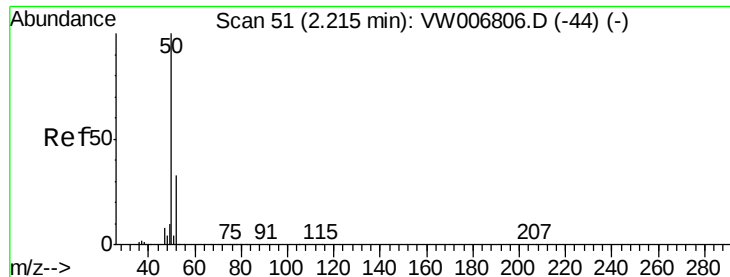
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 23.080 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

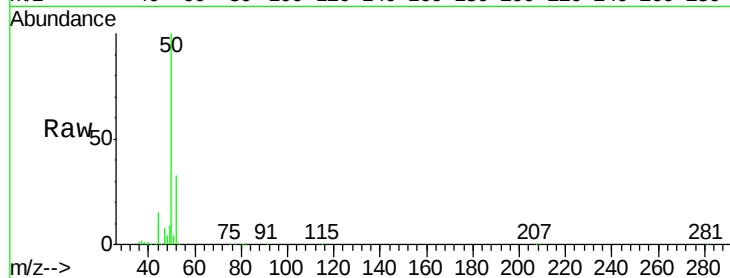
Tgt Ion: 50 Resp: 65331

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

40000

30000

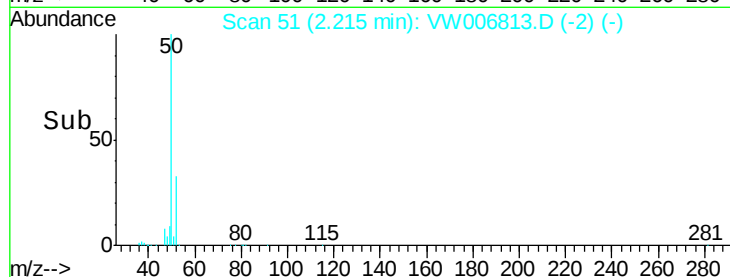
20000

10000

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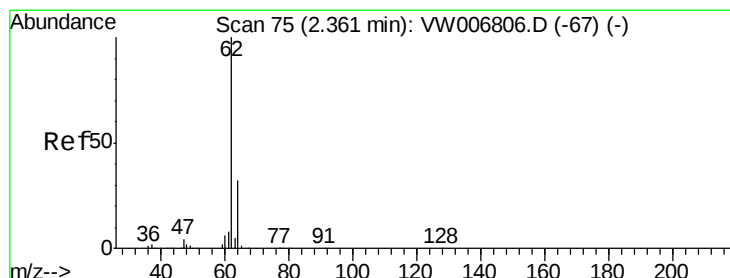
Time-->

2.15 2.20 2.25 2.30



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#4

Vinyl Chloride

Concen: 22.429 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006813.D

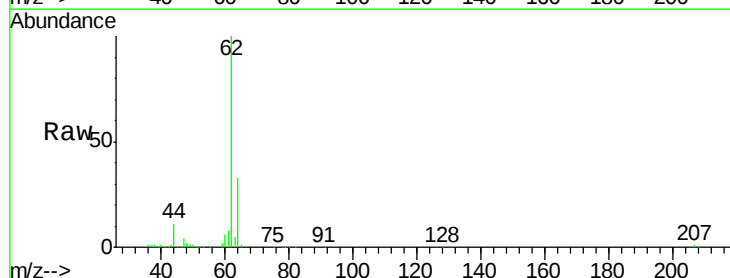
Acq: 12 Nov 2018 18:14

Tgt Ion: 62 Resp: 68151

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

40000

30000

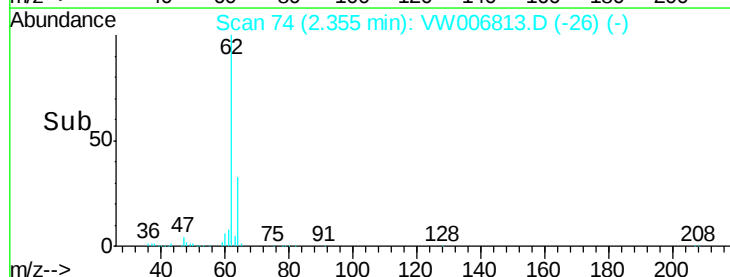
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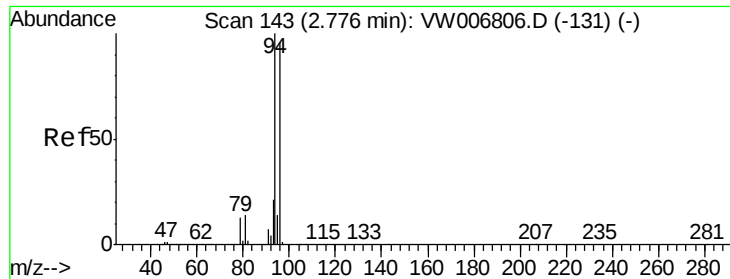
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0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 22.046 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion: 94 Resp: 45068

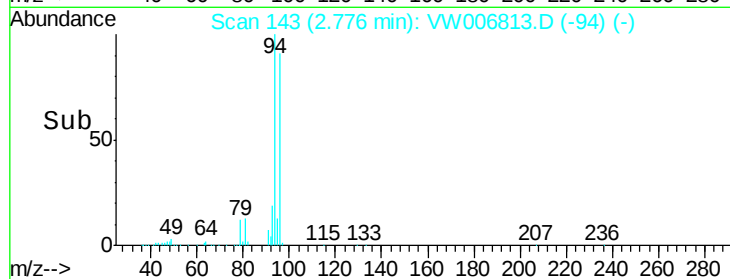
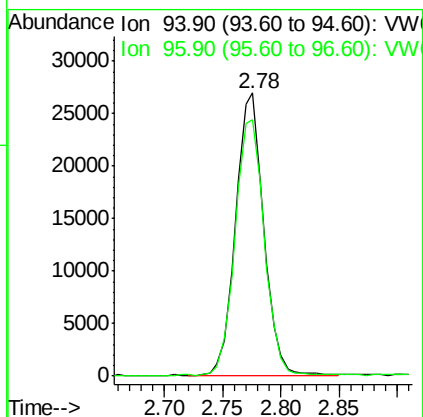
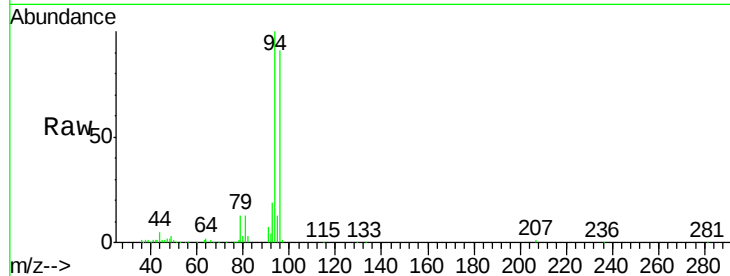
Ion Ratio Lower Upper

94 100

96 90.4 76.8 115.2

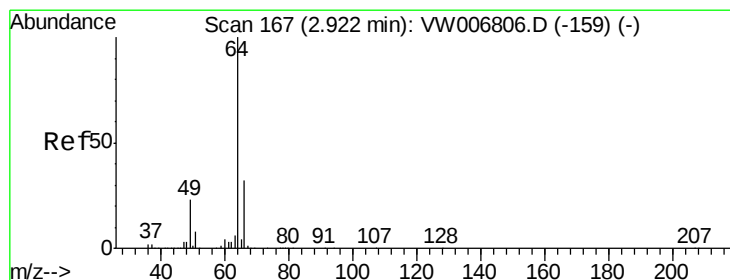
Manual Integrations

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#6

Chloroethane

Concen: 21.217 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006813.D

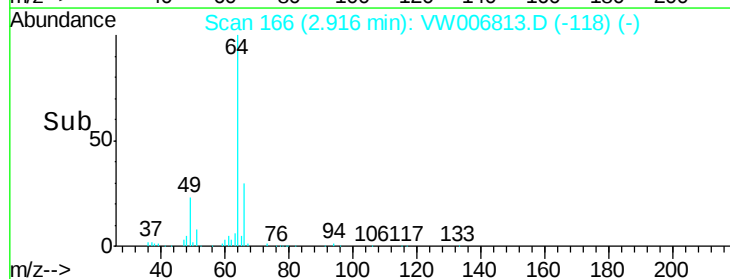
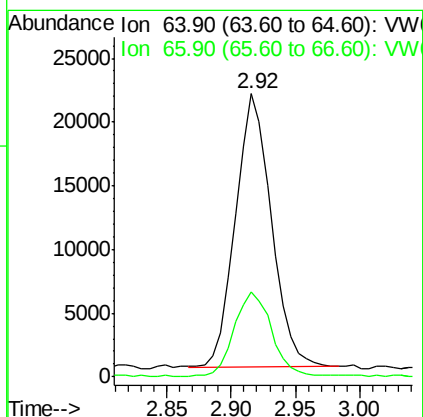
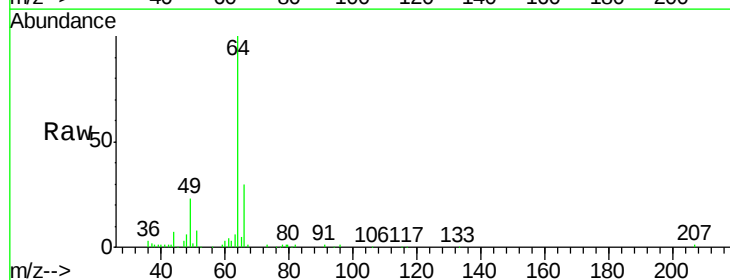
Acq: 12 Nov 2018 18:14

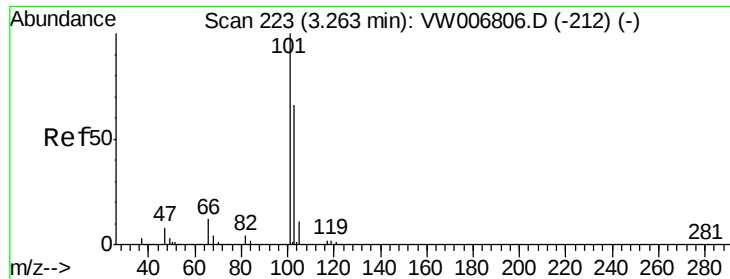
Tgt Ion: 64 Resp: 41601

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





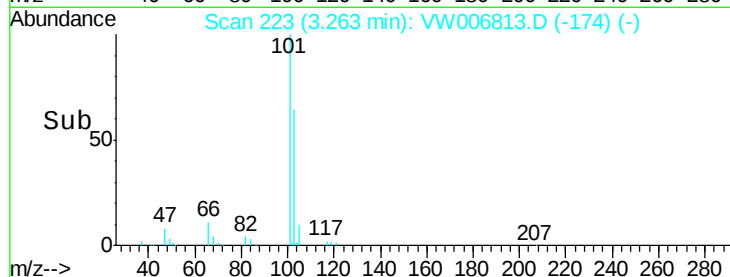
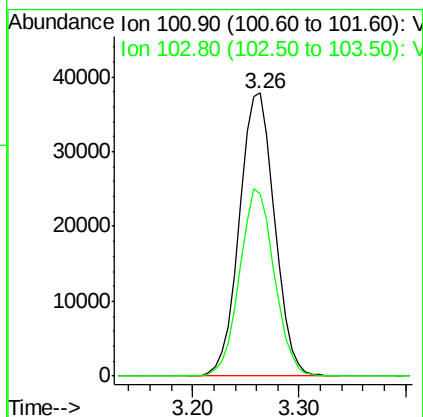
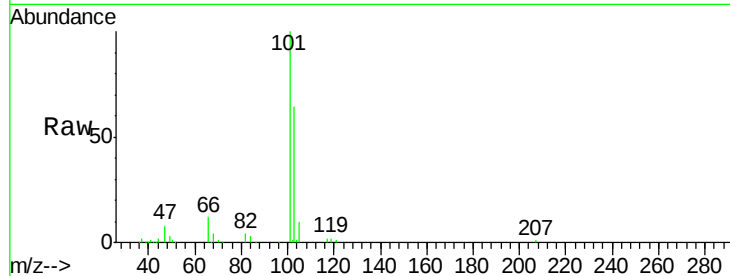
#7

Trichlorofluoromethane
Concen: 21.967 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

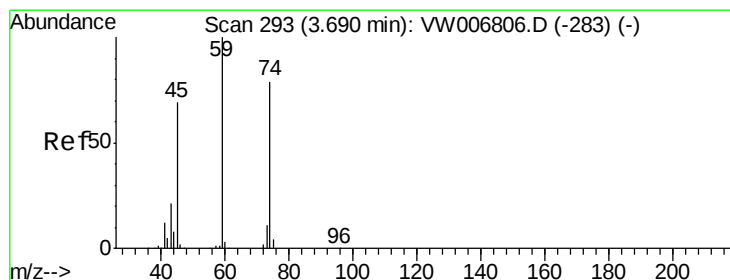
Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	79.0

Manual Integrations
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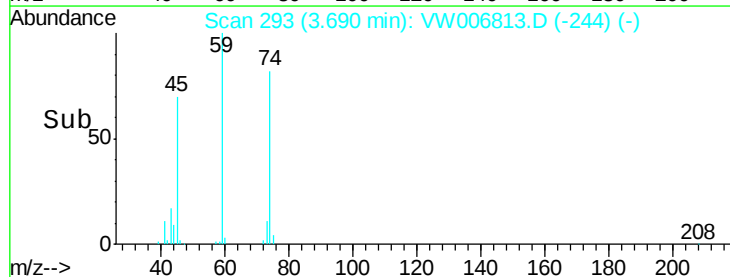
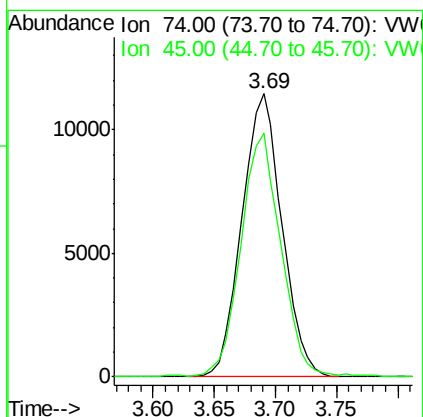
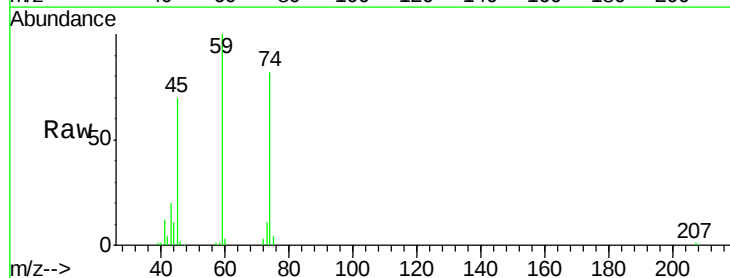
11/13/2018 3:55:42 PM

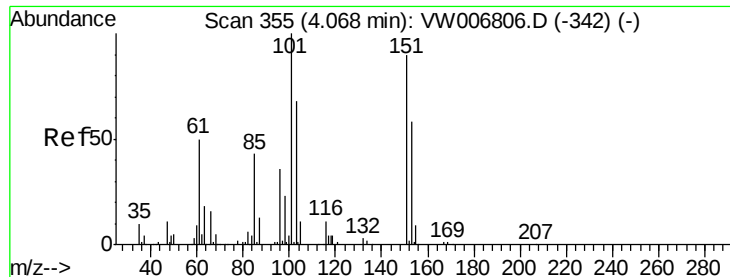


#8

Diethyl Ether
Concen: 22.144 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.874 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

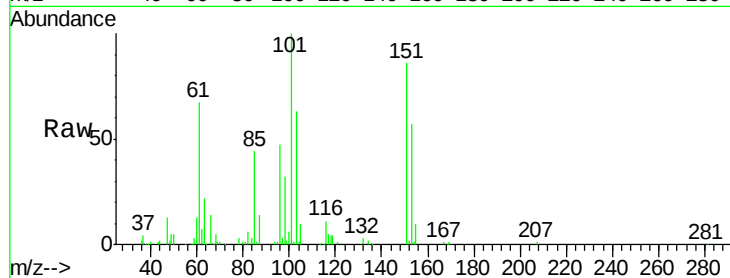
MSVOA_W

ClientSampleId :

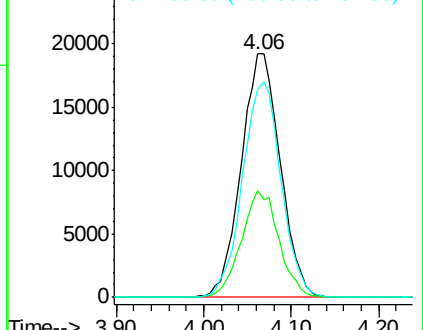
VW1112SBS01

Tgt Ion:	101	Resp:	59491
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.8	50.8
151	87.7	71.4	107.0

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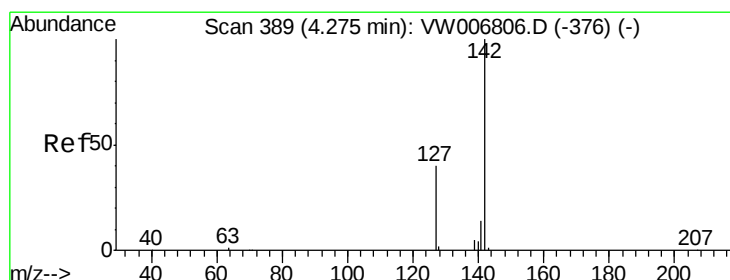
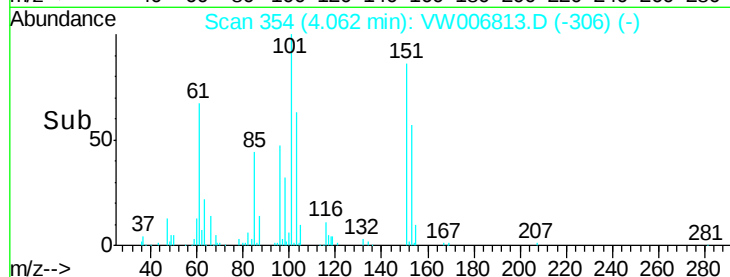


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 17.957 ug/l

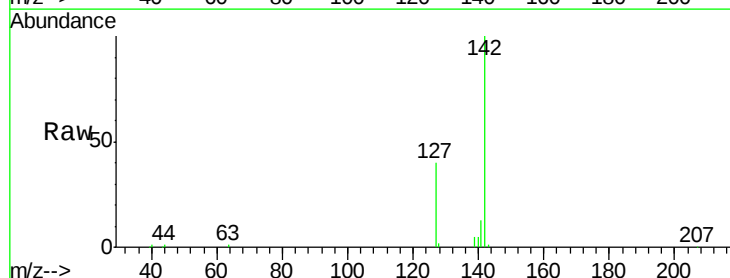
RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

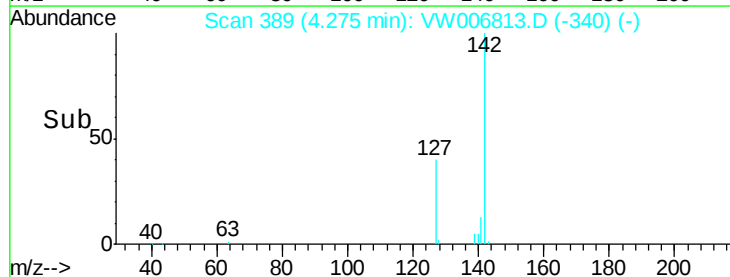
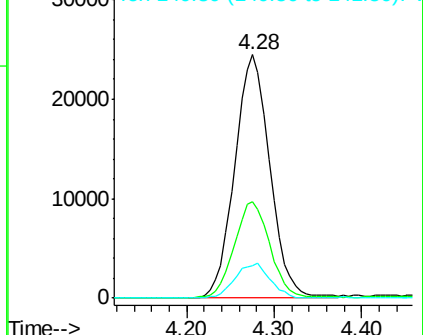
Lab File: VW006813.D

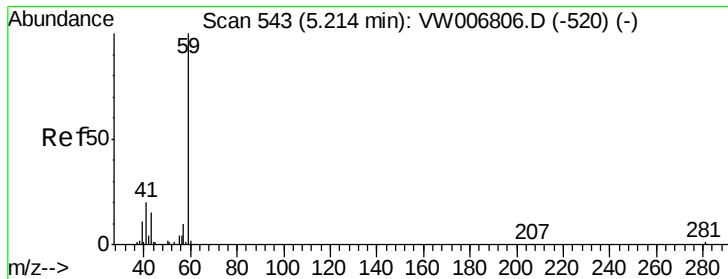
Acq: 12 Nov 2018 18:14

Tgt Ion:	142	Resp:	68447
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.8	47.8
141	14.1	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



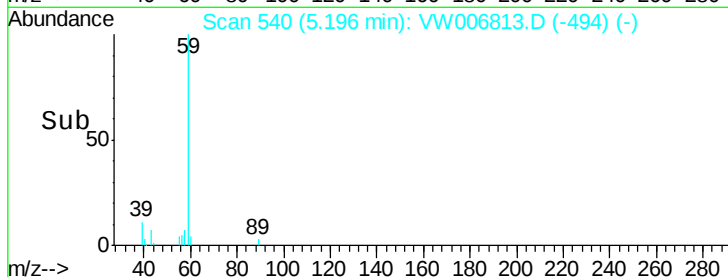
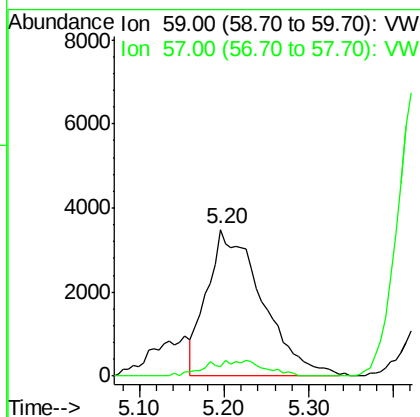
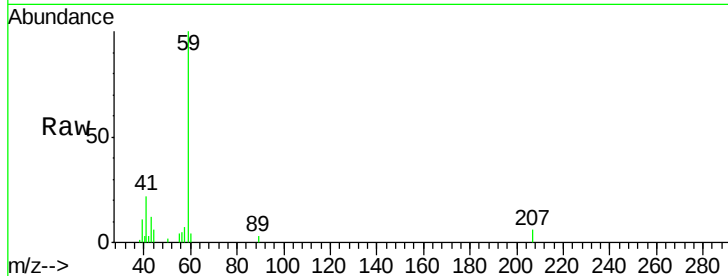


#11
Tert butyl alcohol
Concen: 107.813 ug/l m
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

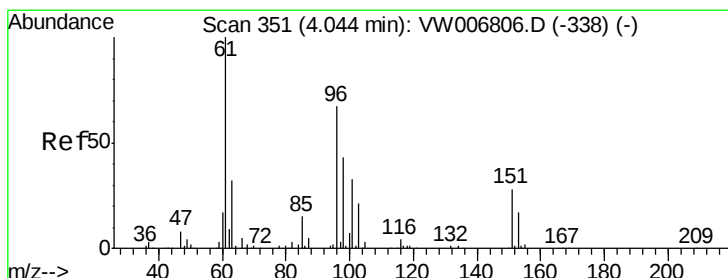
Tgt Ion: 59 Resp: 15735
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

Manual Integrations
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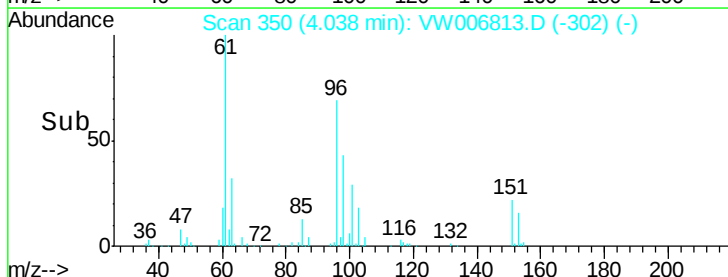
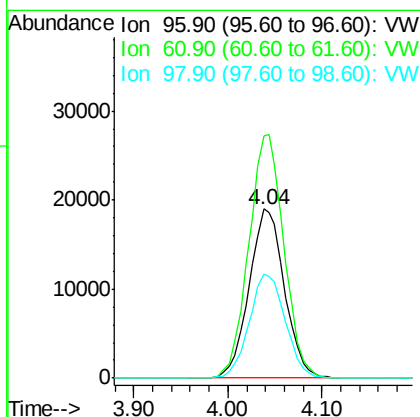
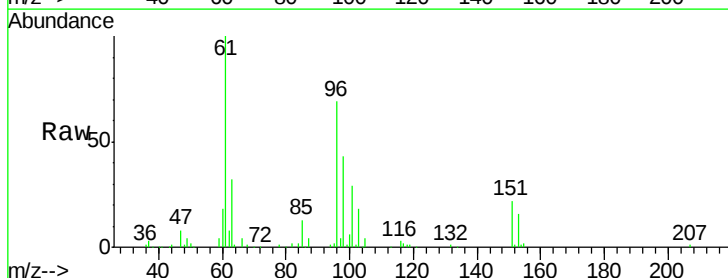
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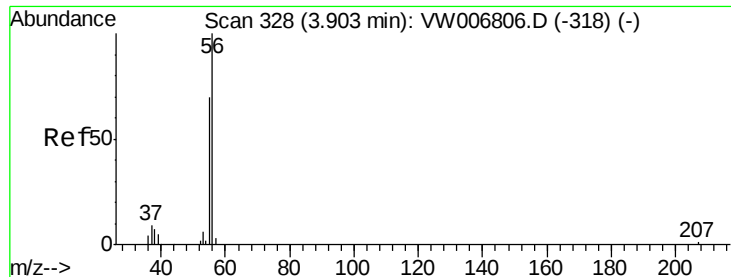
11/13/2018 3:55:42 PM



#12
1,1-Dichloroethene
Concen: 21.737 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 96 Resp: 49936
Ion Ratio Lower Upper
96 100
61 143.9 119.8 179.6
98 61.9 51.5 77.3





#13

Acrolein

Concen: 115.696 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion: 56 Resp: 17660

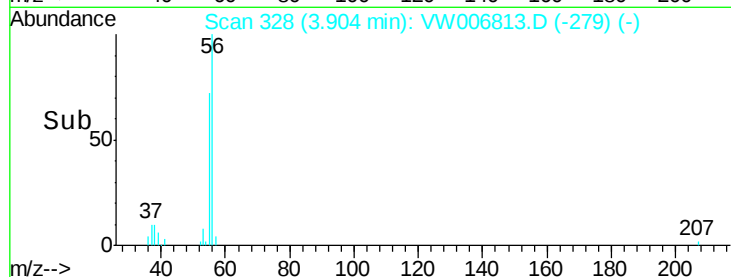
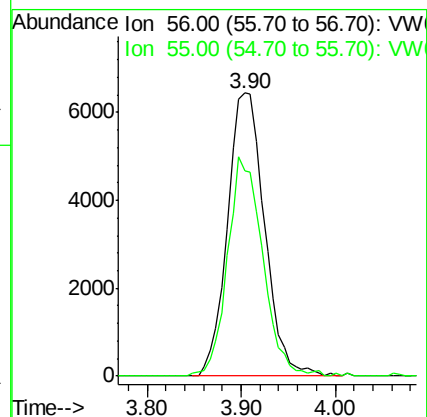
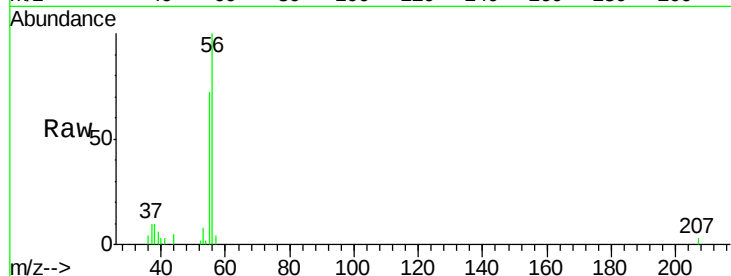
Ion Ratio Lower Upper

56 100

55 73.3 56.1 84.1

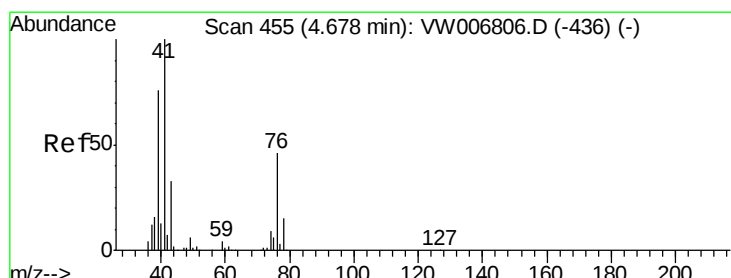
Manual Integrations

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#14

Allyl chloride

Concen: 20.909 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

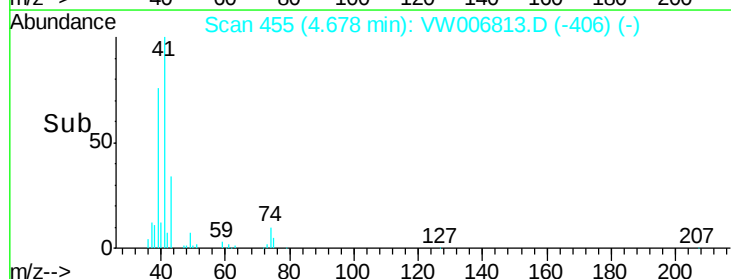
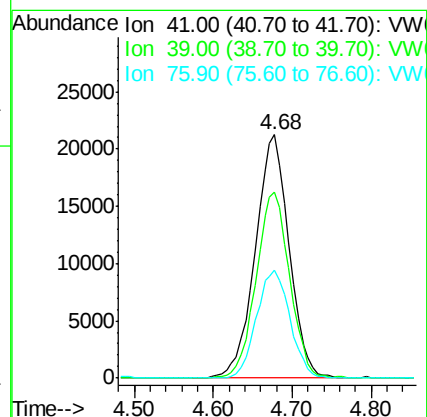
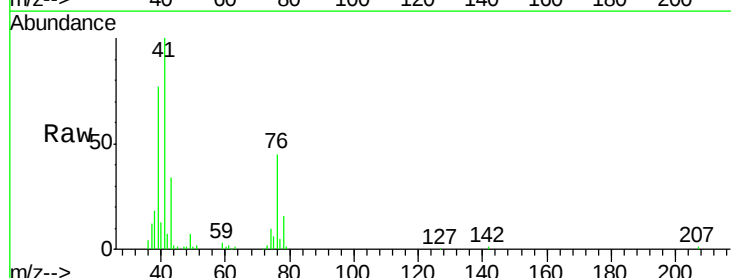
Tgt Ion: 41 Resp: 63177

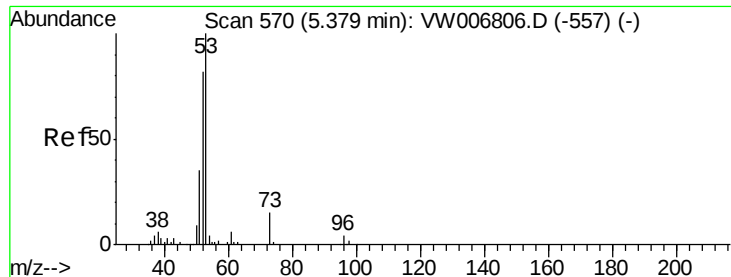
Ion Ratio Lower Upper

41 100

39 76.2 58.9 88.3

76 43.8 34.4 51.6





#15

Acrylonitrile

Concen: 111.473 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

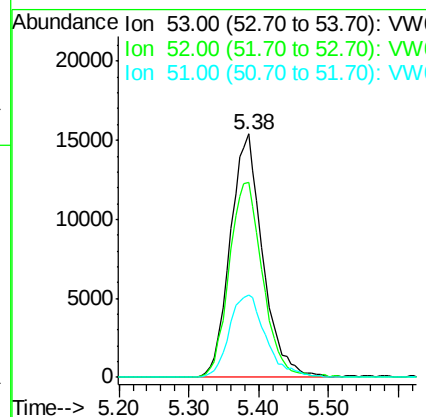
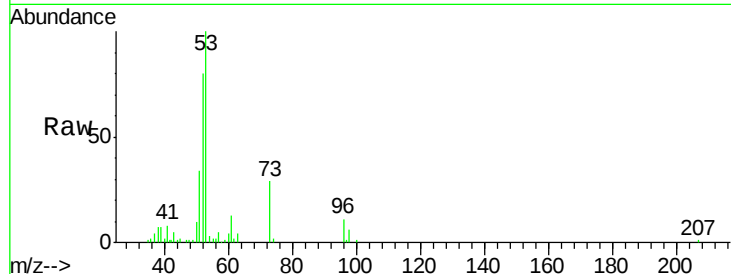
MSVOA_W

ClientSampleId :

VW1112SBS01

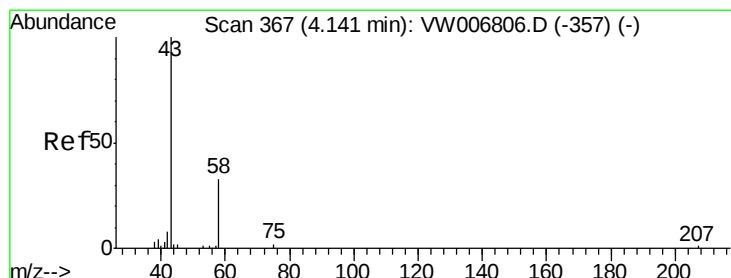
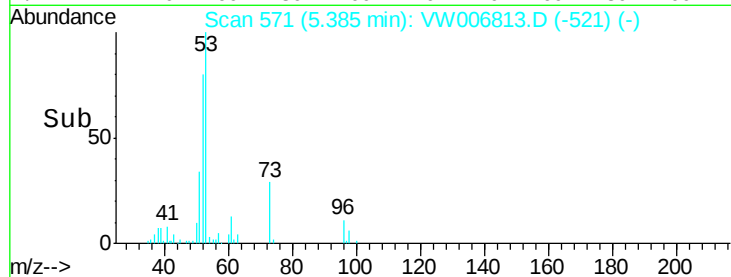
Tgt Ion:	53	Resp:	49687
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.2	97.8
51	37.9	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 110.380 ug/l

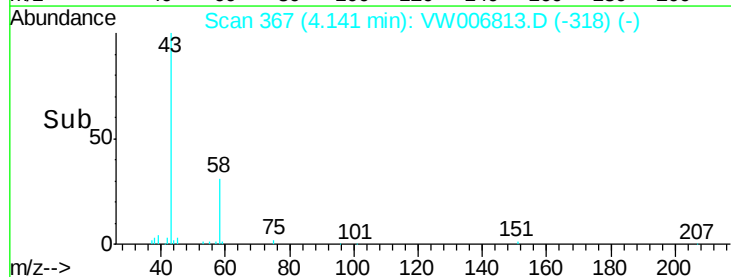
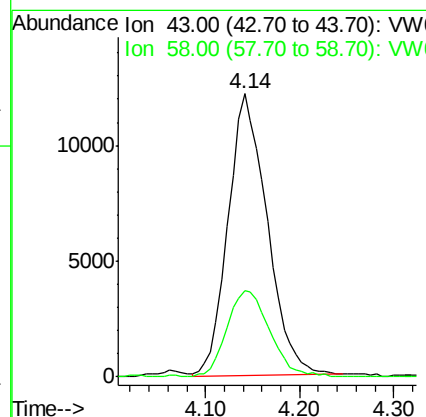
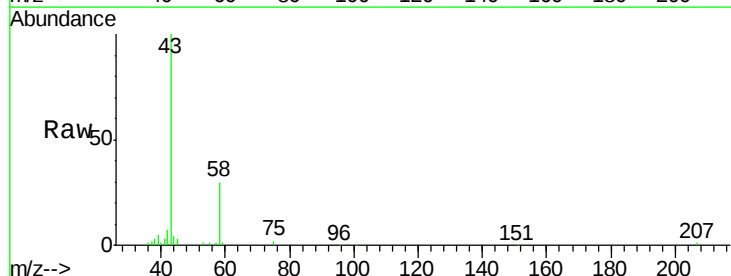
RT: 4.14 min Scan# 367

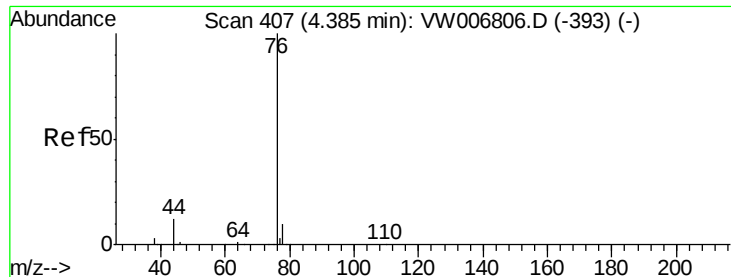
Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Tgt Ion:	43	Resp:	35245
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.5	39.7





#17

Carbon Disulfide

Concen: 21.310 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

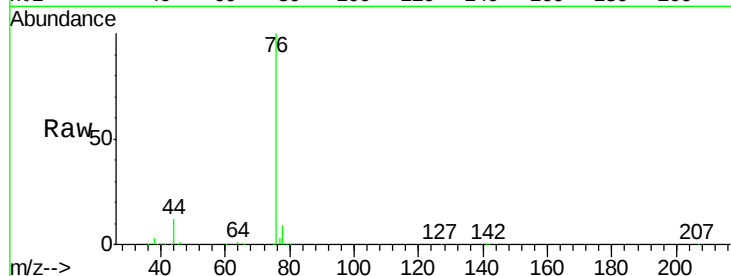
Tgt Ion: 76 Resp: 154824

Ion Ratio Lower Upper

76 100

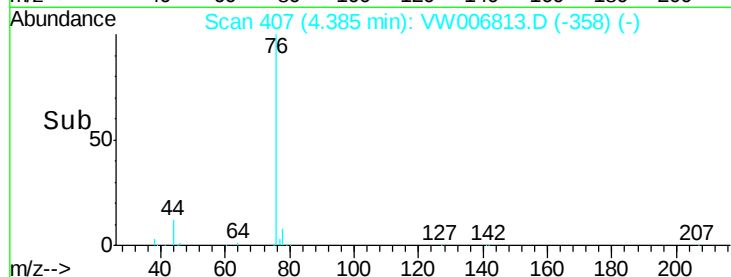
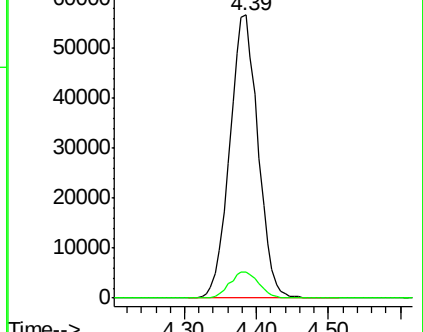
78 9.2 7.6 11.4

Manual Integrations
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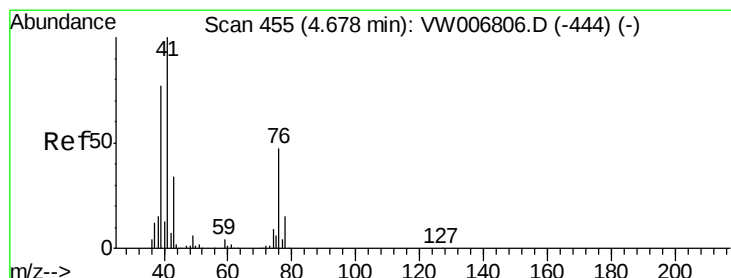
Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



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#18

Methyl Acetate

Concen: 22.187 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006813.D

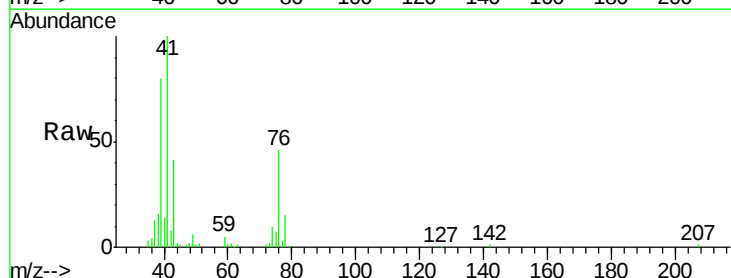
Acq: 12 Nov 2018 18:14

Tgt Ion: 43 Resp: 24233

Ion Ratio Lower Upper

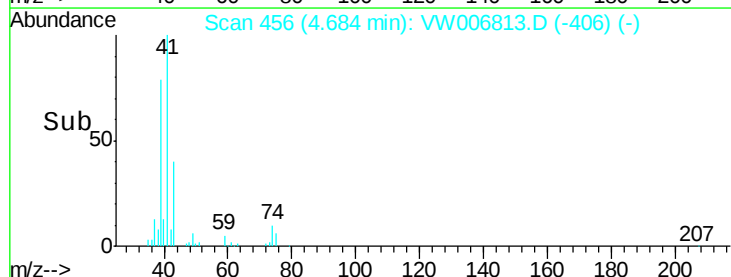
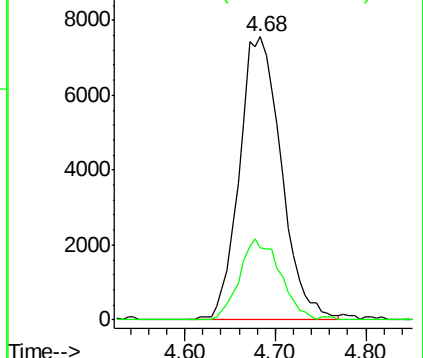
43 100

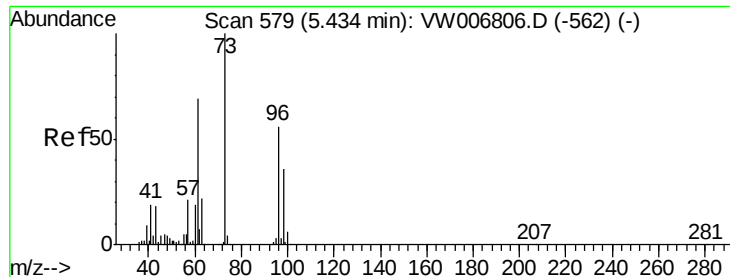
74 27.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



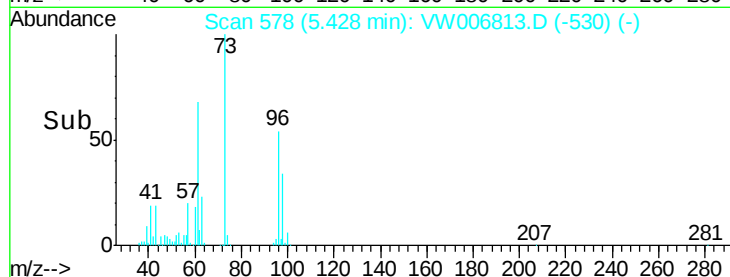
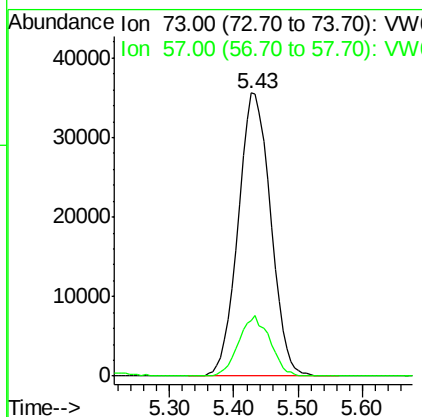
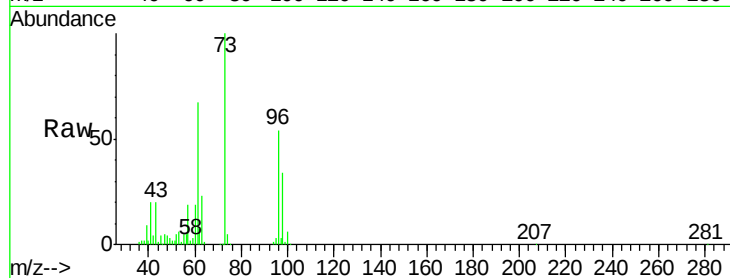


#19
Methyl tert-butyl Ether
Concen: 22.765 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

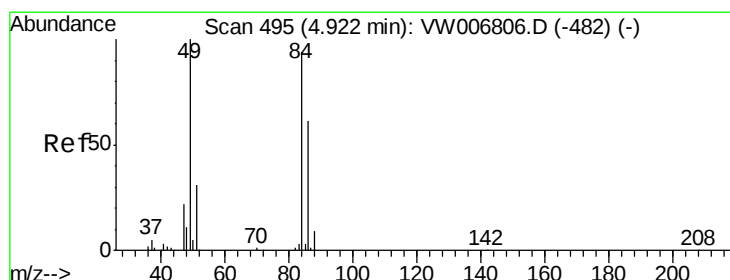
Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.5	16.8	25.2

Manual Integrations
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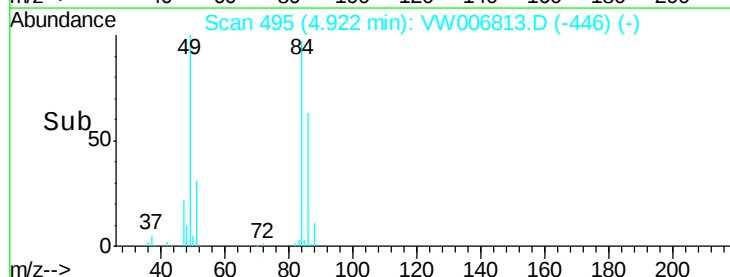
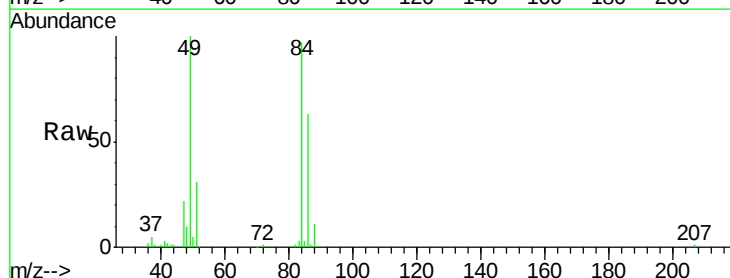
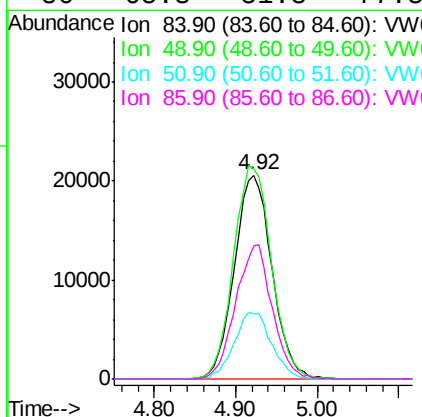
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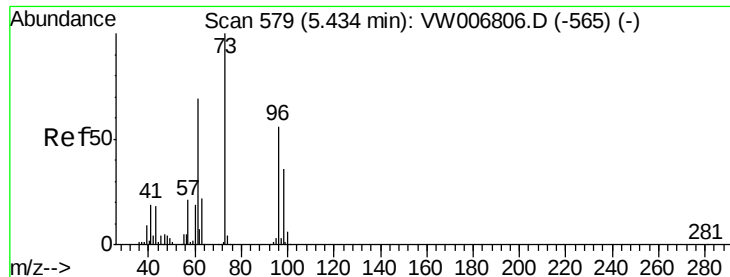
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#20
Methylene Chloride
Concen: 19.463 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.0	84.8	127.2
51	31.8	26.2	39.4
86	65.3	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 21.292 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

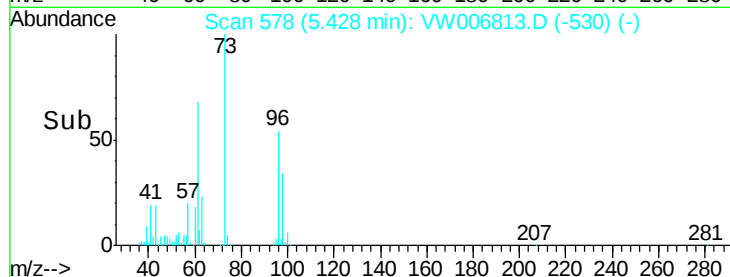
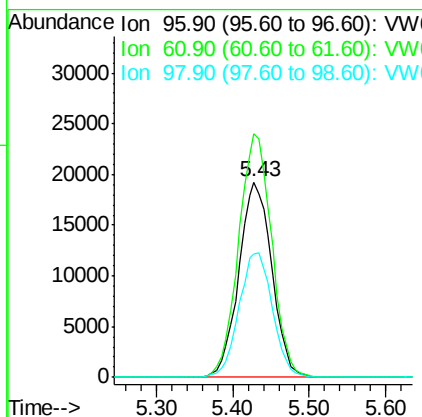
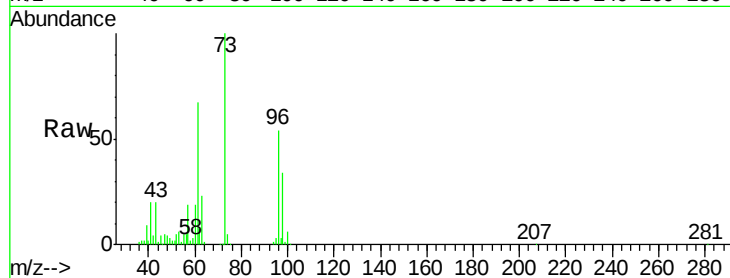
MSVOA_W

ClientSampleId :

VW1112SBS01

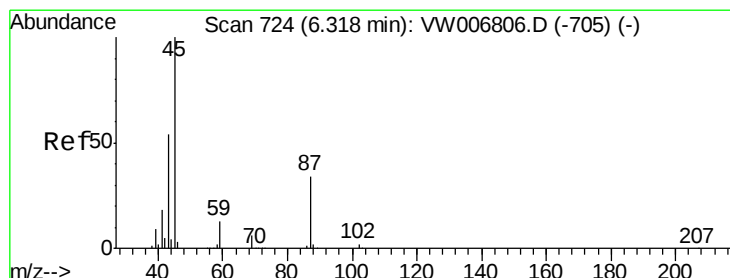
Tgt Ion:	96	Resp:	57687
Ion	Ratio	Lower	Upper
96	100		
61	124.5	98.7	148.1
98	63.2	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.270 ug/l

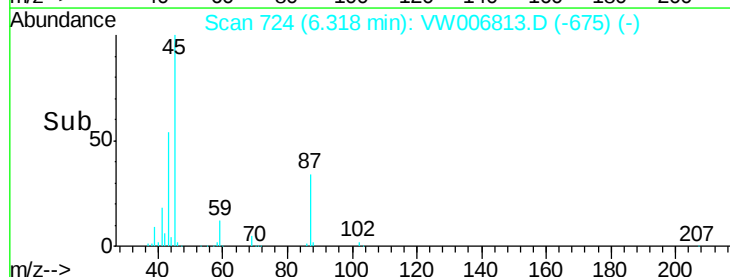
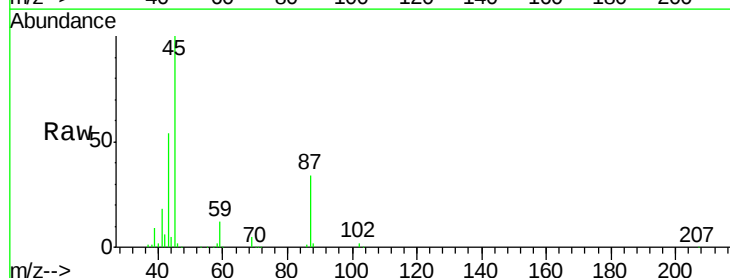
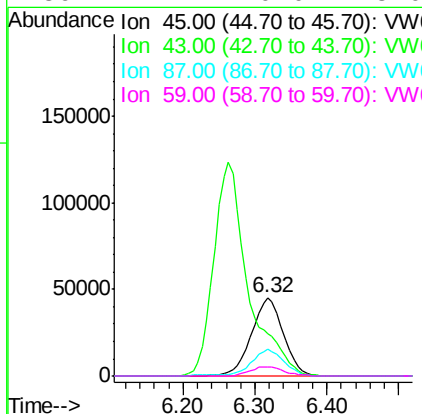
RT: 6.32 min Scan# 724

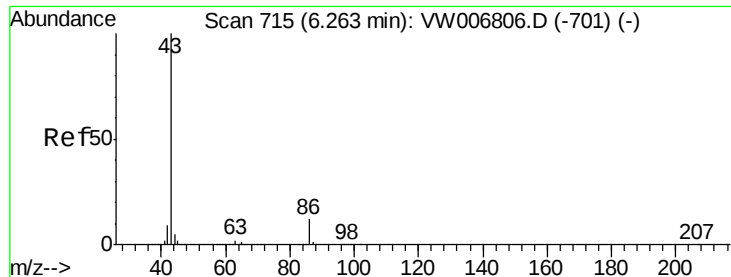
Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Tgt Ion:	45	Resp:	139753
Ion	Ratio	Lower	Upper
45	100		
43	53.6	43.7	65.5
87	33.9	27.2	40.8
59	11.4	10.0	15.0





#23

Vinyl Acetate

Concen: 115.235 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion: 43 Resp: 407656

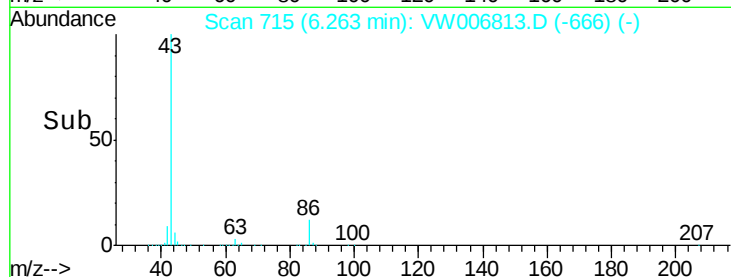
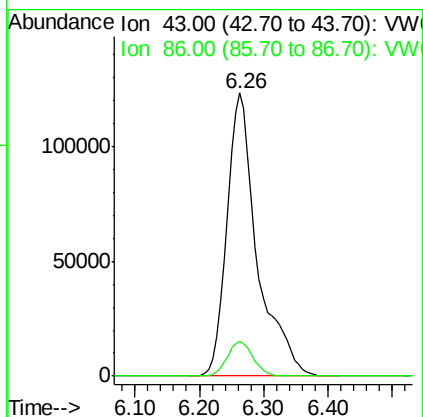
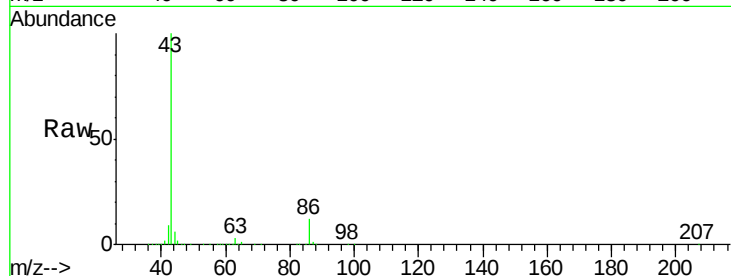
Ion Ratio Lower Upper

43 100

86 12.3 9.6 14.4

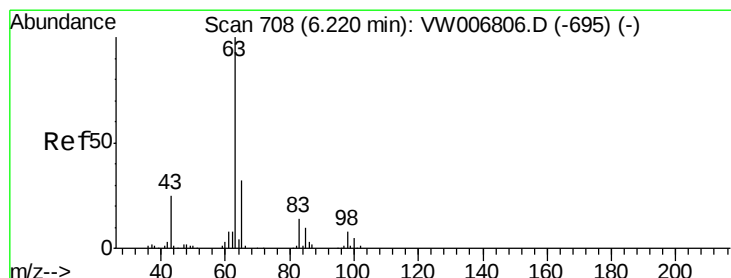
Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.304 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

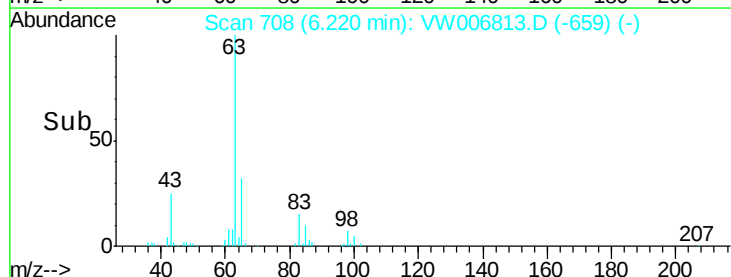
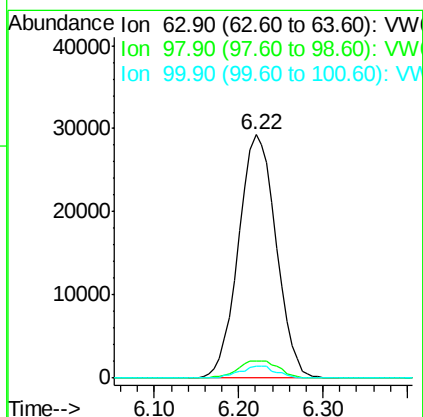
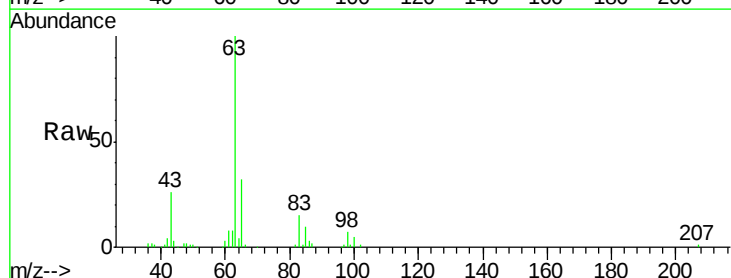
Tgt Ion: 63 Resp: 88663

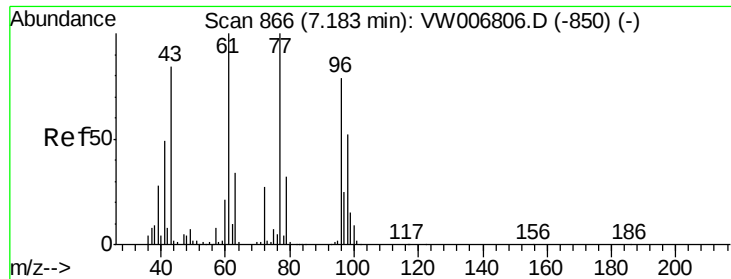
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 115.857 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampled :

VW1112SBS01

Tgt Ion: 43 Resp: 62563

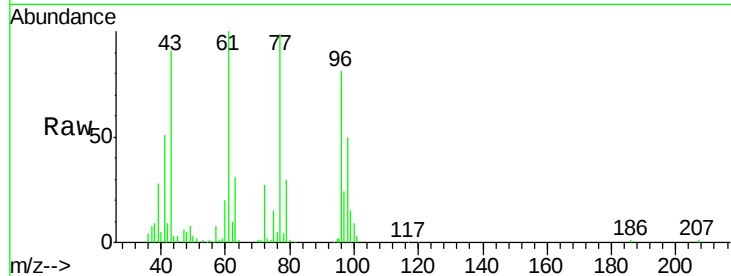
Ion Ratio Lower Upper

43 100

72 30.2 25.3 37.9

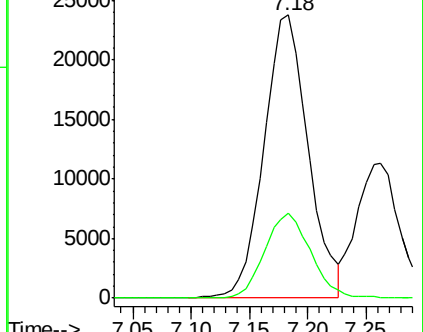
Manual Integrations

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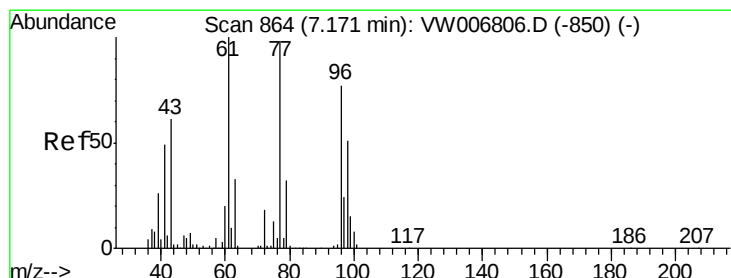
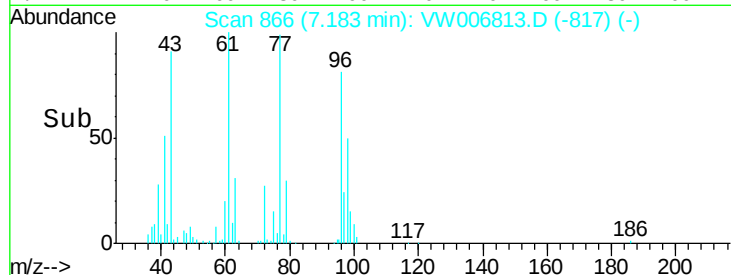
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



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#26

2,2-Dichloropropane

Concen: 21.417 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006813.D

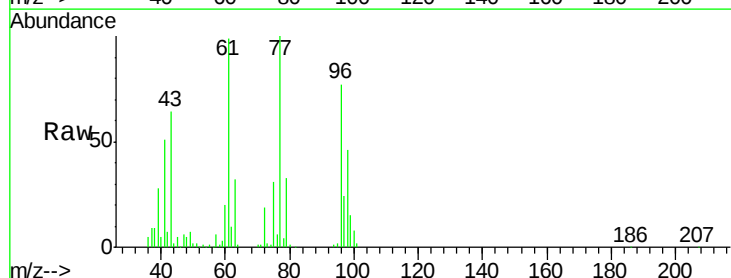
Acq: 12 Nov 2018 18:14

Tgt Ion: 77 Resp: 89683

Ion Ratio Lower Upper

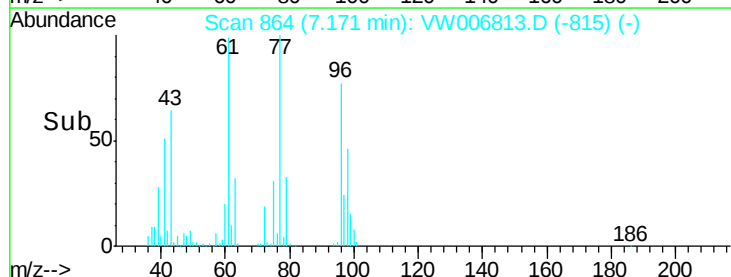
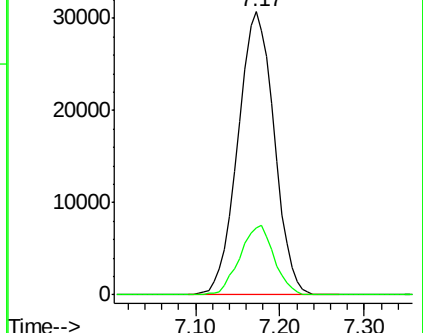
77 100

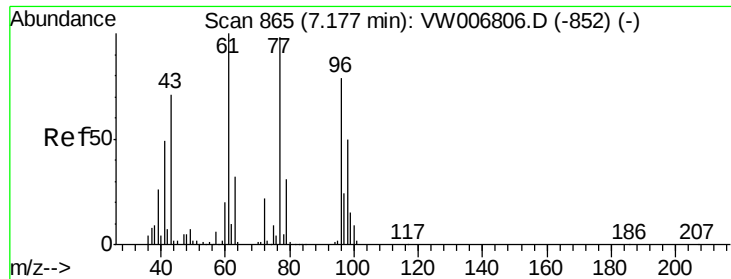
97 23.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





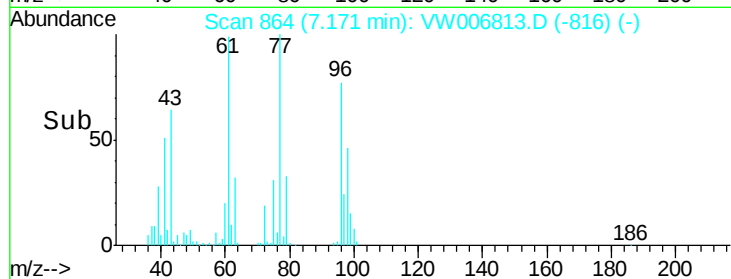
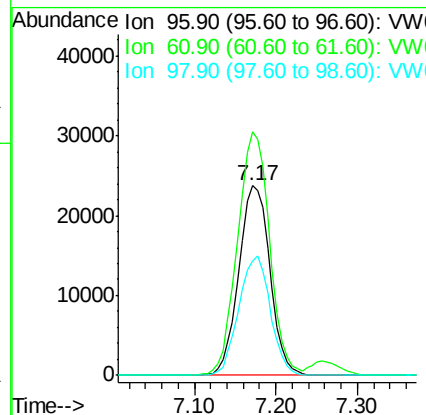
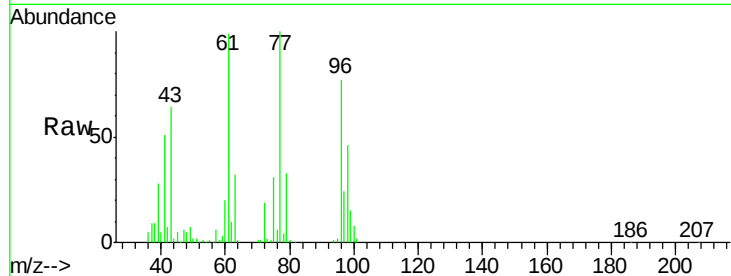
#27

cis-1,2-Dichloroethene
Concen: 21.748 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

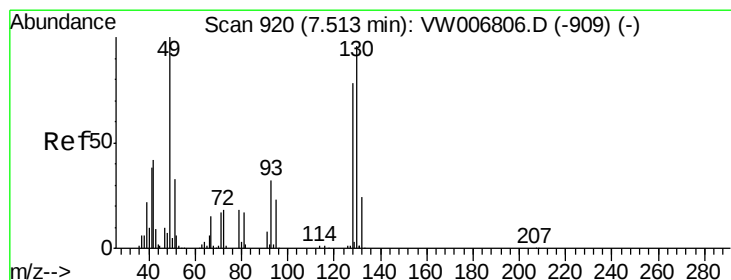
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	264.0
98	63.6	0.0	131.0

Manual Integrations
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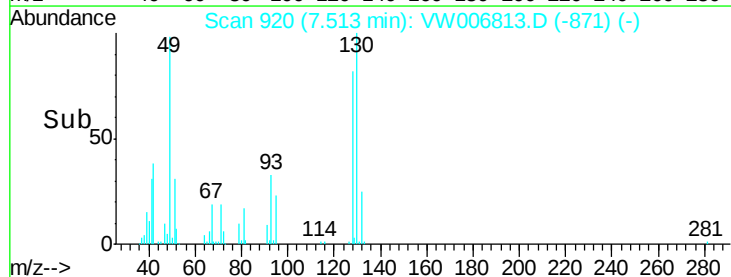
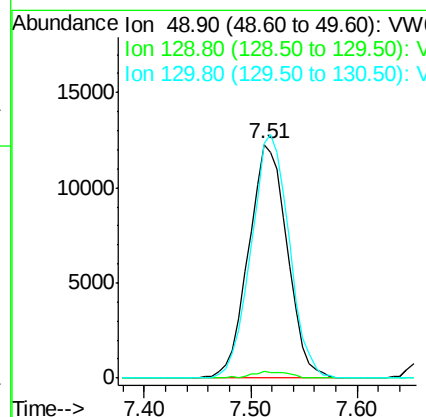
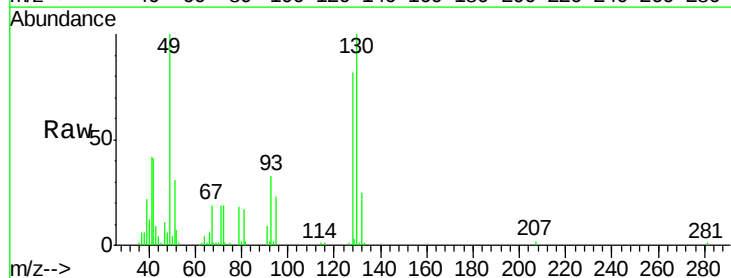
11/13/2018 3:55:42 PM

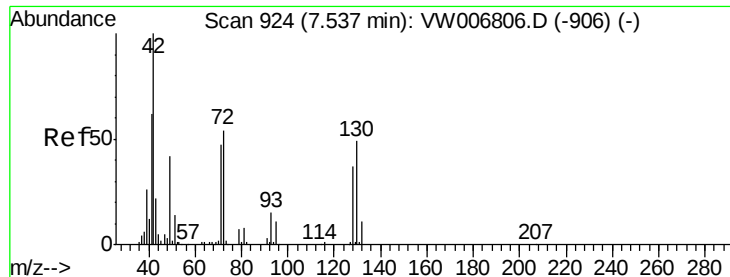


#28

Bromochloromethane
Concen: 21.485 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	102.3	83.3	124.9



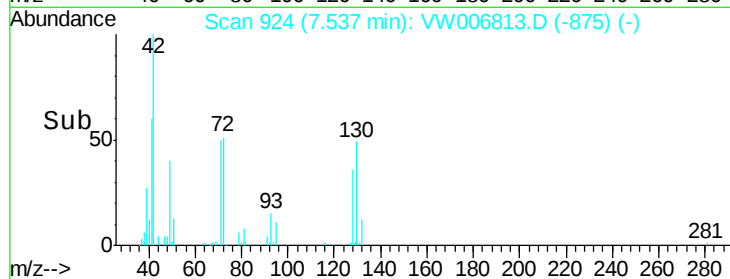
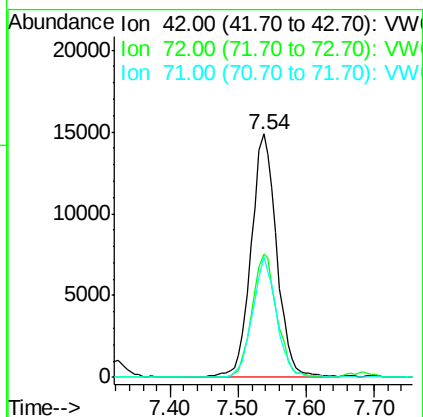
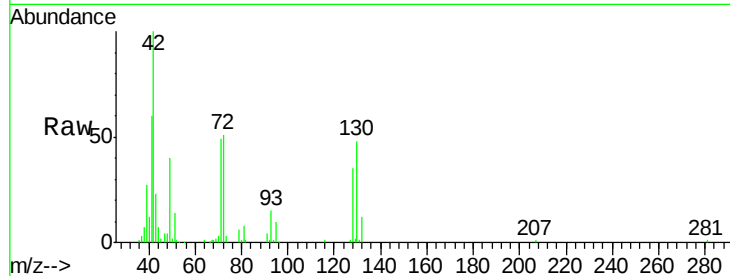


#29
Tetrahydrofuran
Concen: 113.303 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

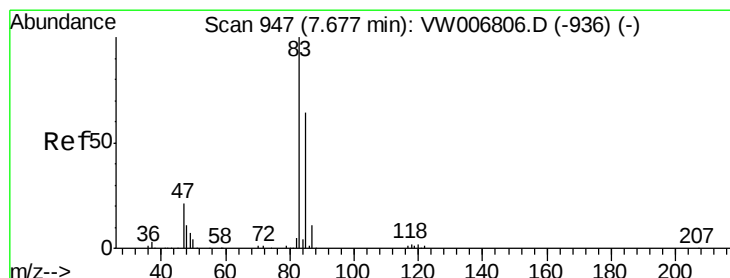
Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.1	40.9	61.3
71	46.3	36.9	55.3

Manual Integrations
APPROVED



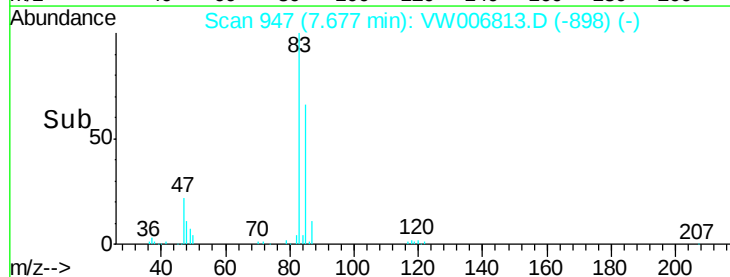
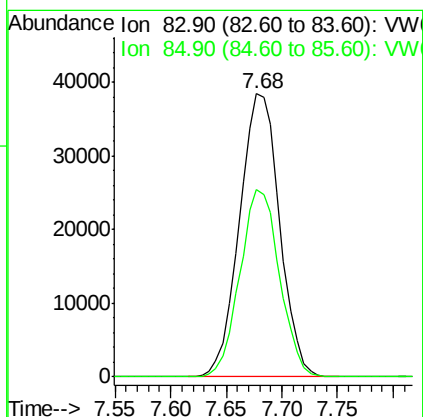
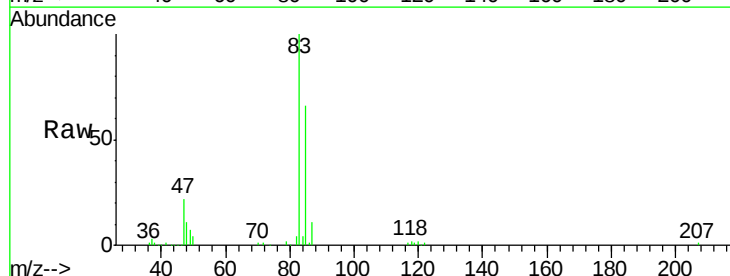
apatel

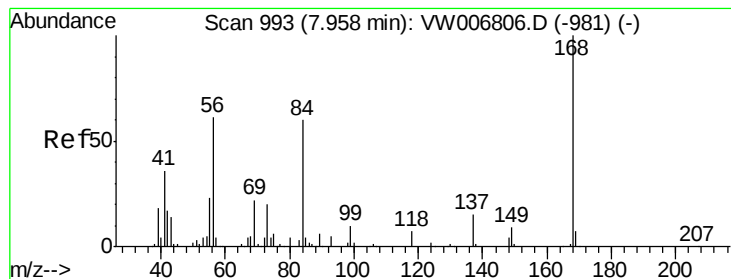
11/13/2018 3:55:42 PM



#30
Chloroform
Concen: 21.178 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





#31

Cyclohexane

Concen: 22.788 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

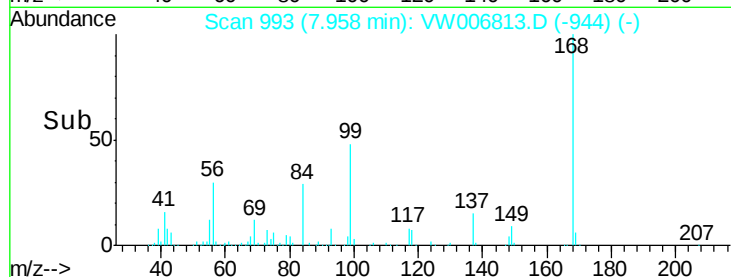
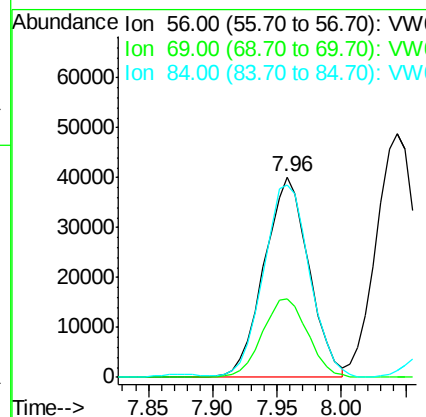
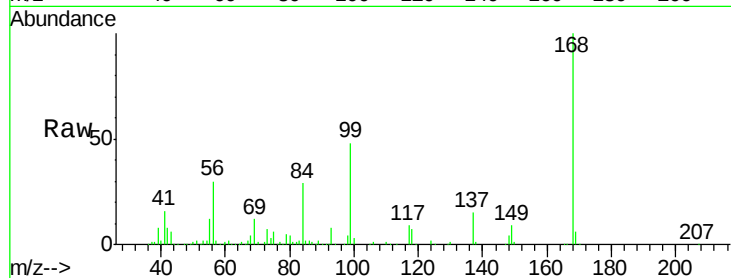
MSVOA_W

ClientSampleId :

VW1112SBS01

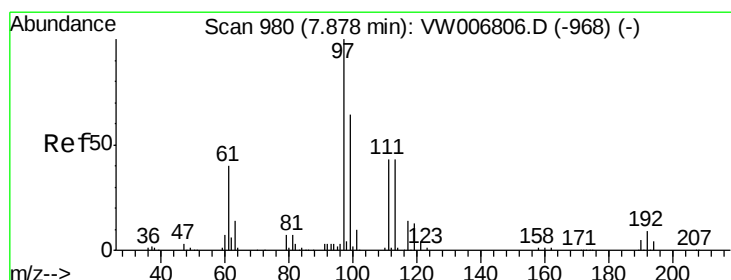
Tgt Ion:	56	Resp:	97081
Ion Ratio	Lower	Upper	
56	100		
69	39.3	28.9	43.3
84	94.9	79.0	118.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.968 ug/l

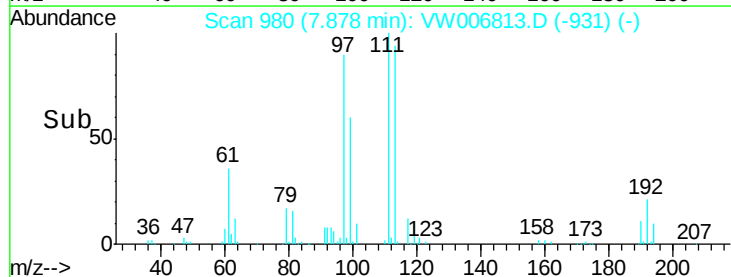
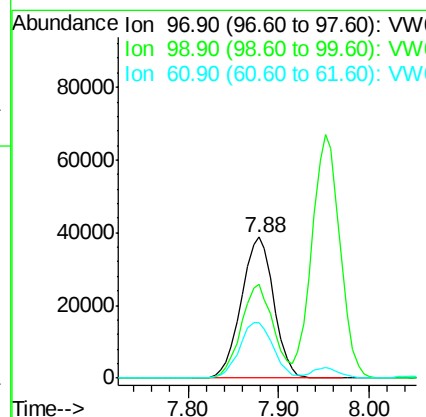
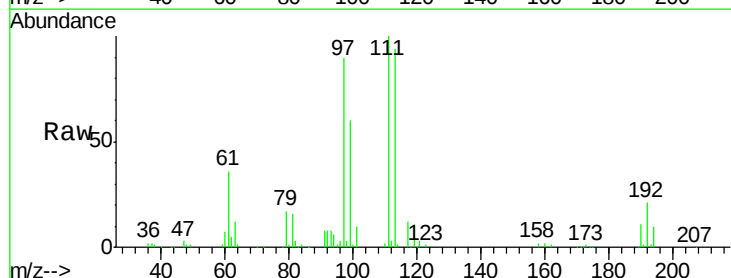
RT: 7.88 min Scan# 980

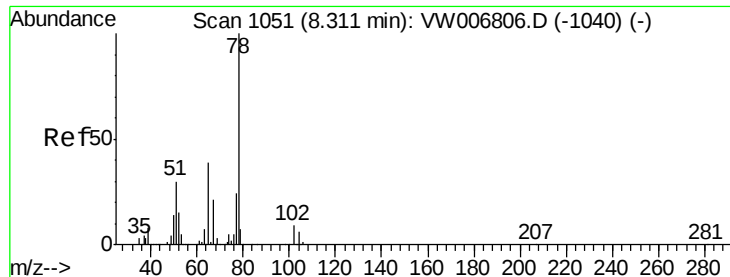
Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Tgt Ion:	97	Resp:	96357
Ion Ratio	Lower	Upper	
97	100		
99	66.4	51.6	77.4
61	40.9	32.2	48.4



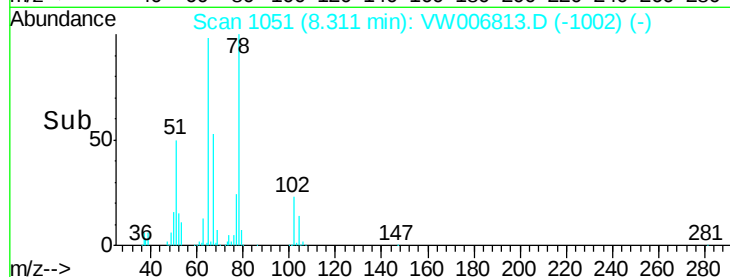
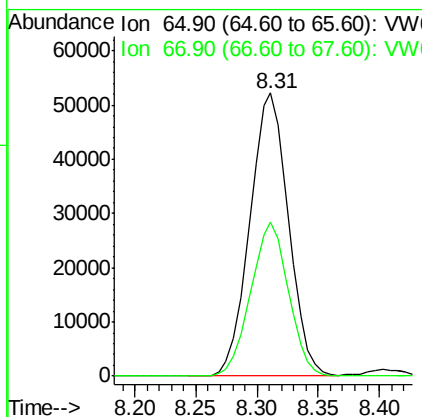
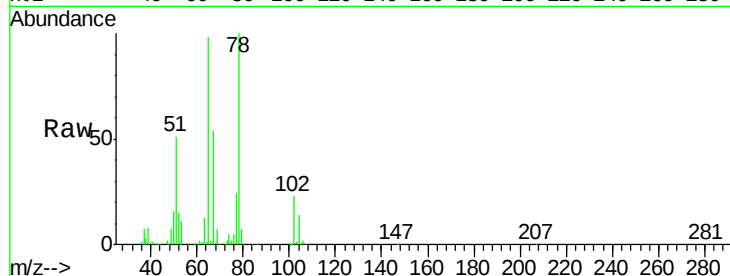


#33
 1,2-Dichloroethane-d4
 Concen: 51.482 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

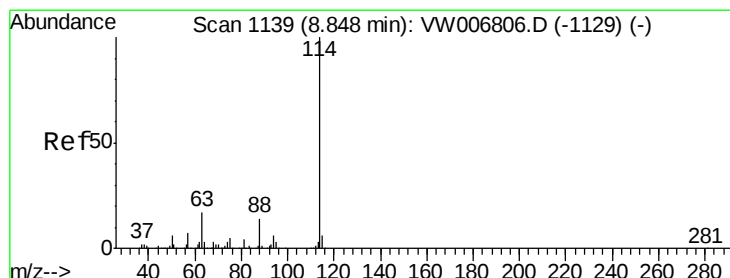
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	114464		
67	53.2	0.0	104.4	

Manual Integrations
 APPROVED



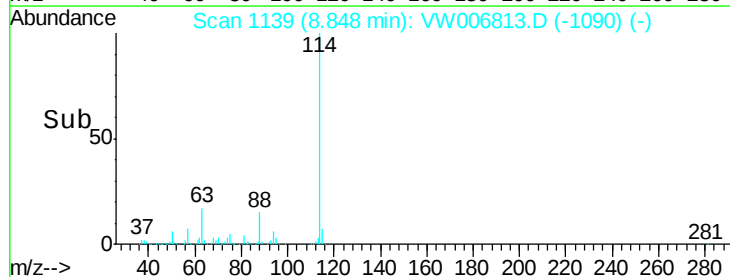
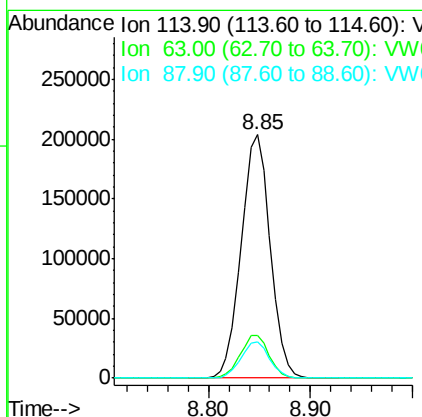
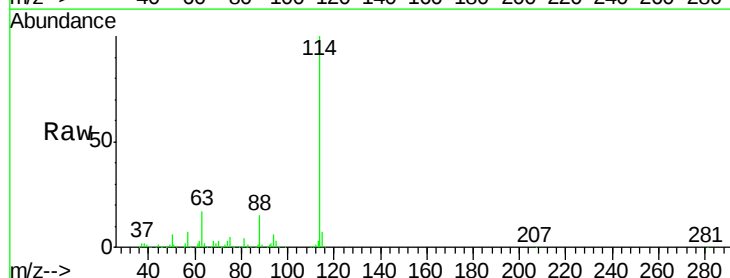
apatel

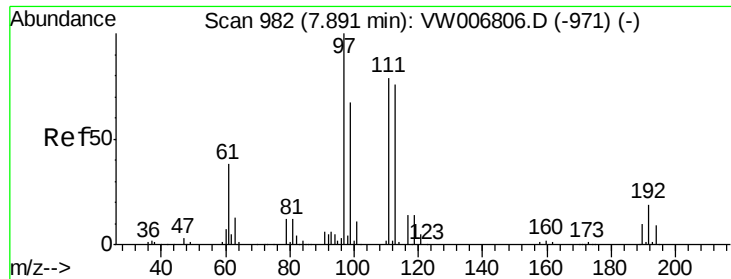
11/13/2018 3:55:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401746		
63	17.4	0.0	33.6	
88	14.8	0.0	28.4	



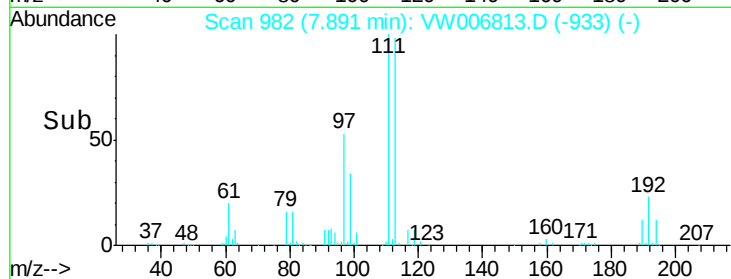
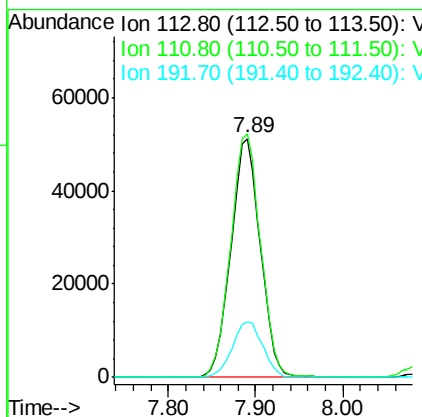
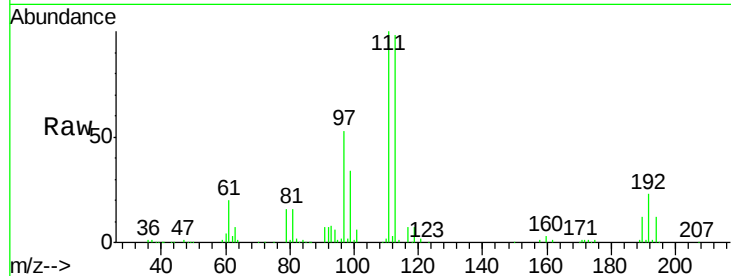


#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampled :
VW1112SBS01

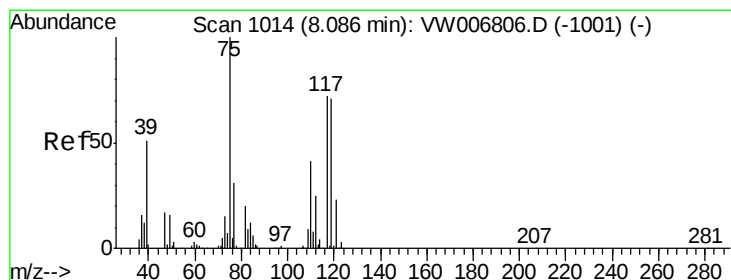
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	119814		
111	103.5	81.0	121.6	
192	24.1	19.0	28.6	

Manual Integrations
APPROVED



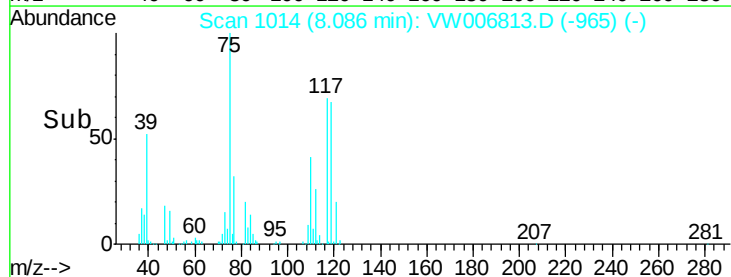
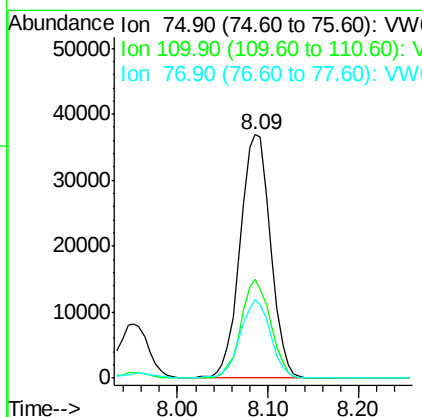
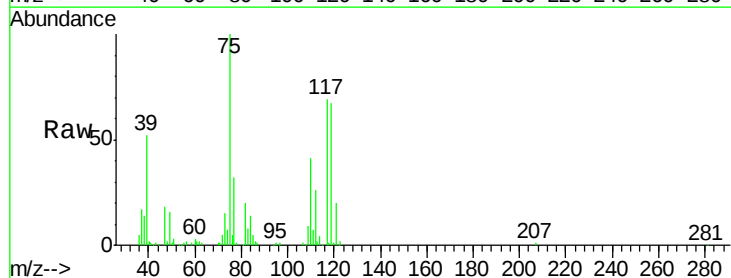
apatel

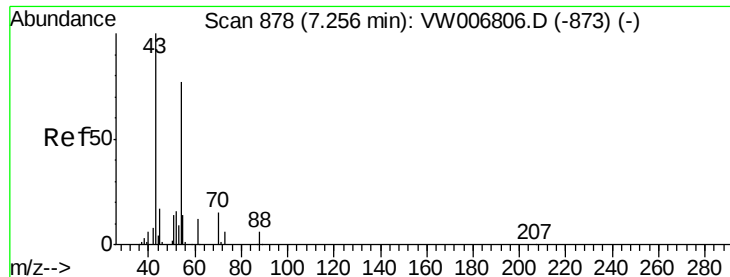
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#36
1,1-Dichloropropene
Concen: 22.889 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86054		
110	39.0	19.9	59.6	
77	31.7	25.4	38.2	



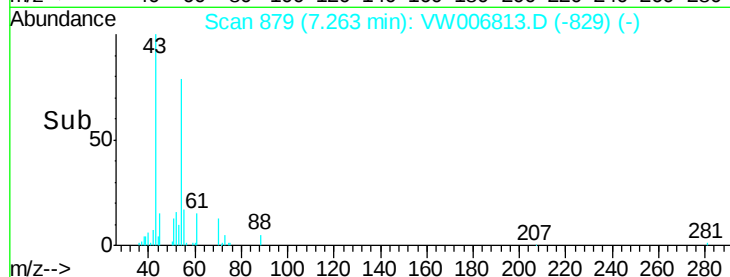
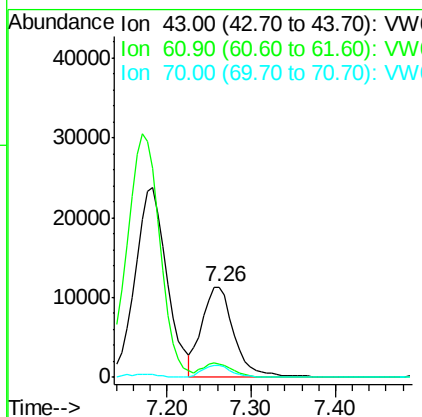
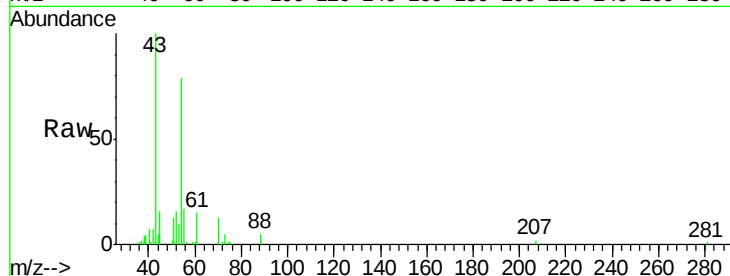


#37
Ethyl Acetate
Concen: 24.593 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

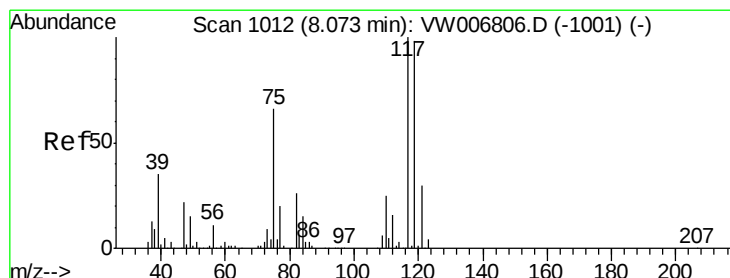
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.9	10.0	15.0

Manual Integrations
APPROVED



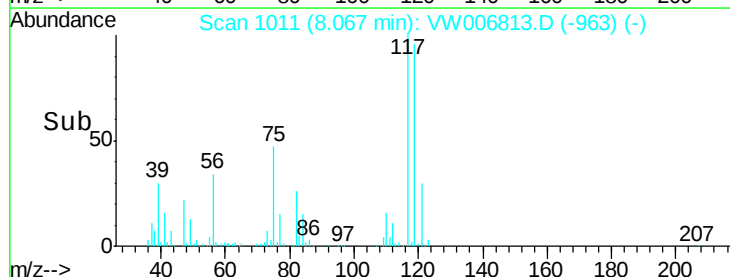
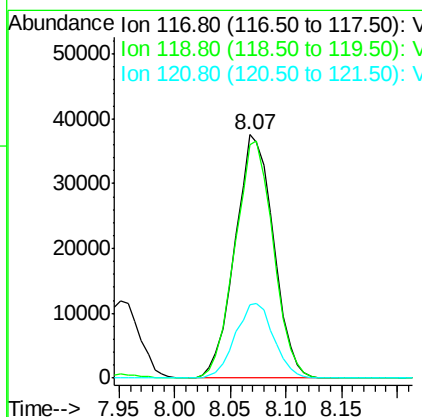
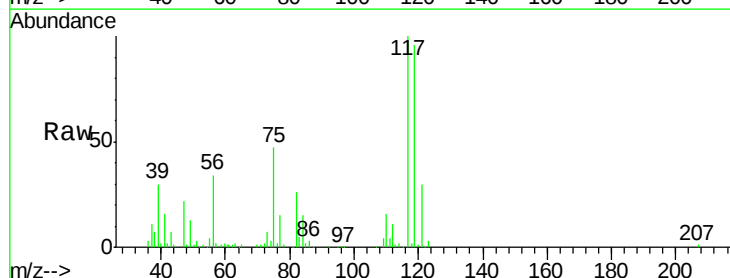
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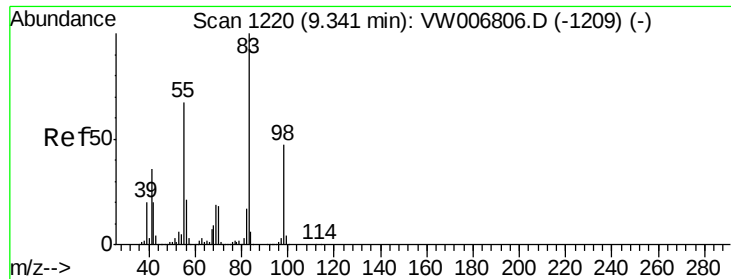
11/13/2018 3:55:42 PM



#38
Carbon Tetrachloride
Concen: 22.085 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.5	117.7
121	29.9	24.2	36.2



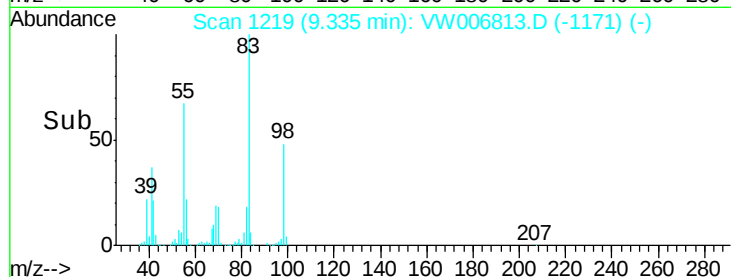
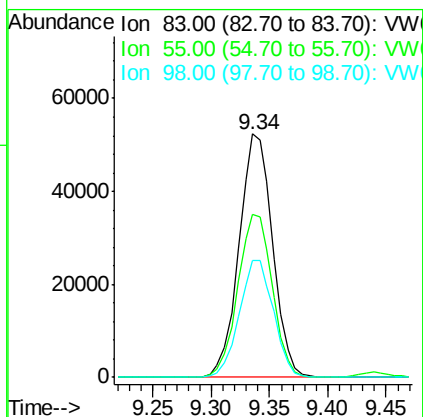
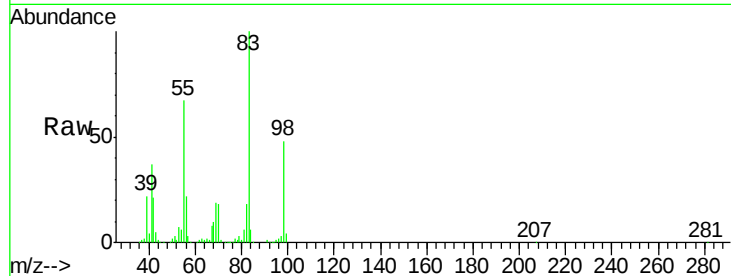


#39
Methylcyclohexane
Concen: 21.557 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

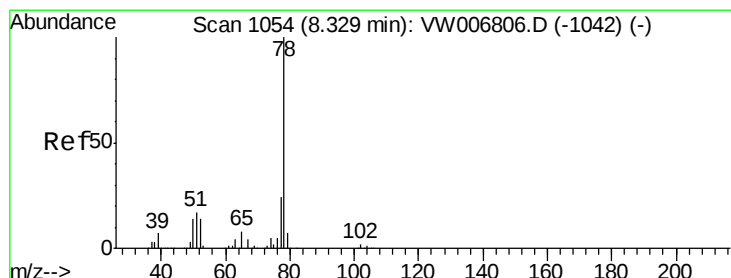
Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.1	53.3	79.9
98	48.0	37.9	56.9

Manual Integrations
APPROVED



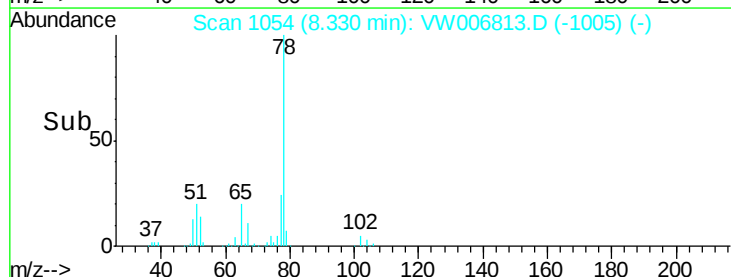
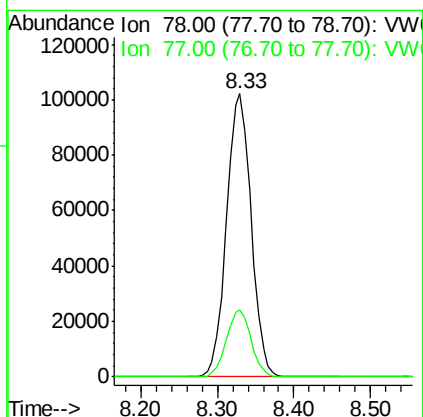
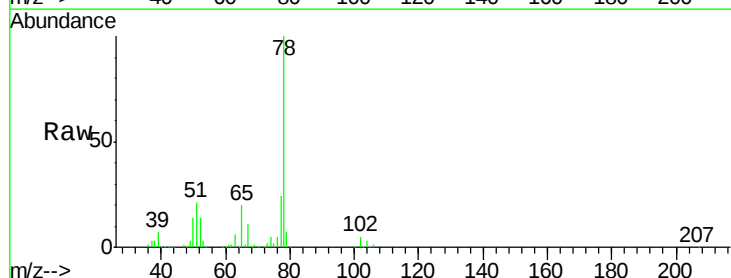
apatel

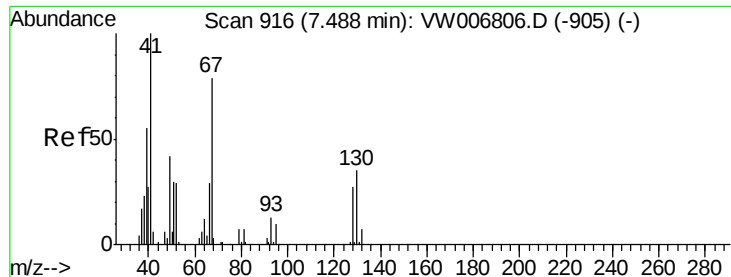
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#40
Benzene
Concen: 21.677 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41

Methacrylonitrile

Concen: 23.208 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion: 41 Resp: 17518
Ion Ratio Lower Upper

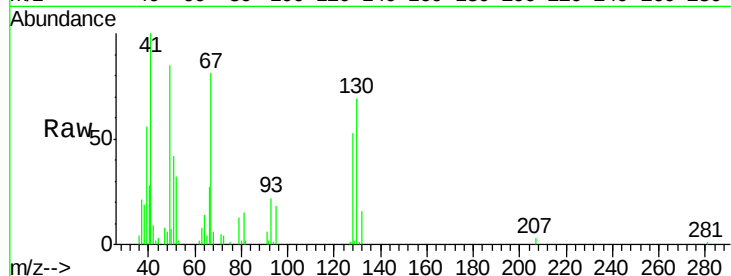
41 100

39 50.1 48.1 72.1

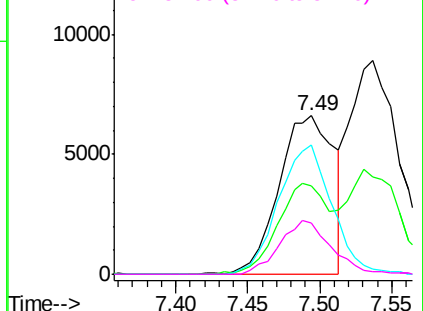
67 79.0 61.4 92.2

52 31.9 23.2 34.8

Manual Integrations
APPROVED

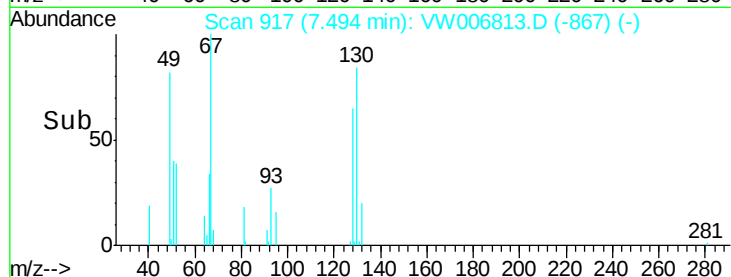


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



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#42

1,2-Dichloroethane

Concen: 22.358 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

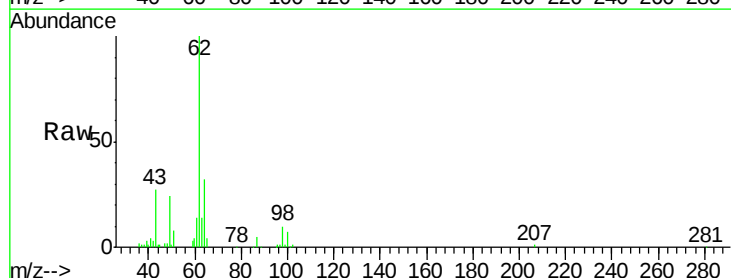
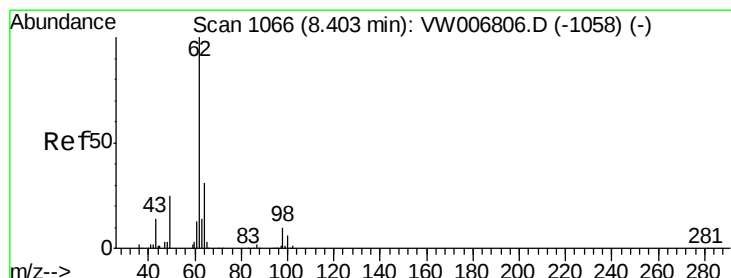
Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

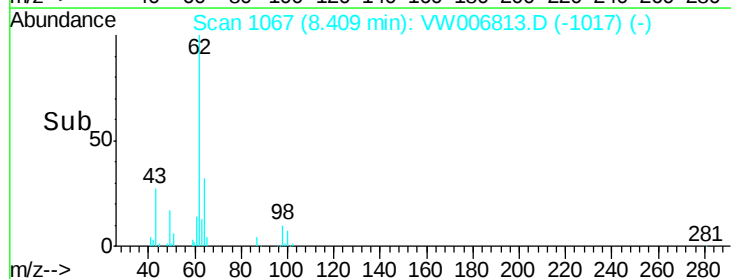
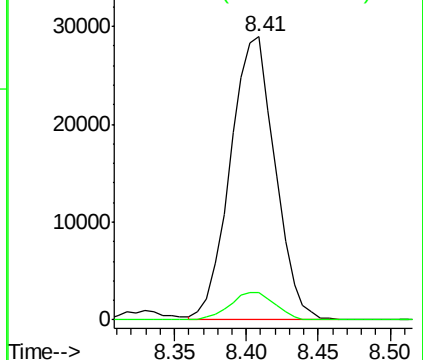
Tgt Ion: 62 Resp: 62622
Ion Ratio Lower Upper

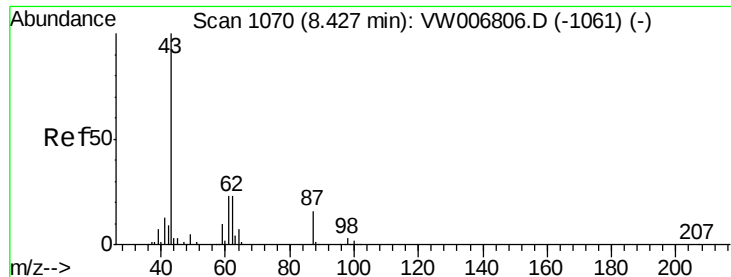
62 100

98 10.0 0.0 20.0



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



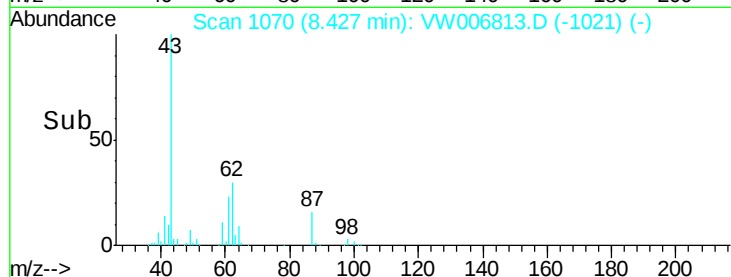
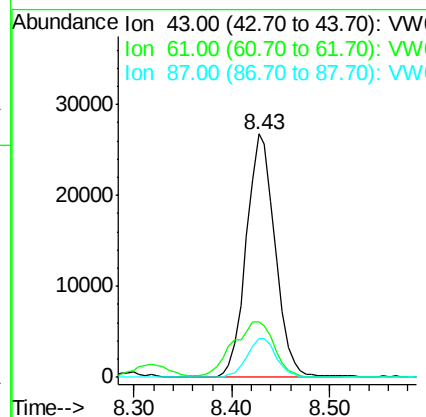
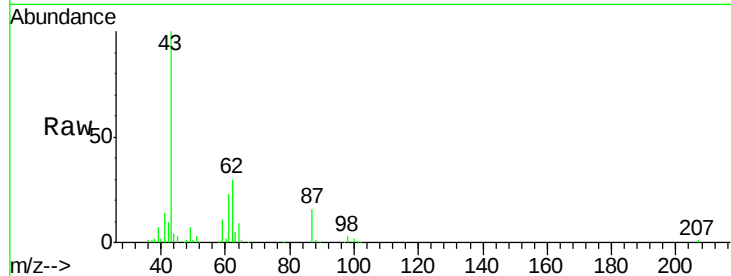


#43
Isopropyl Acetate
Concen: 22.952 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

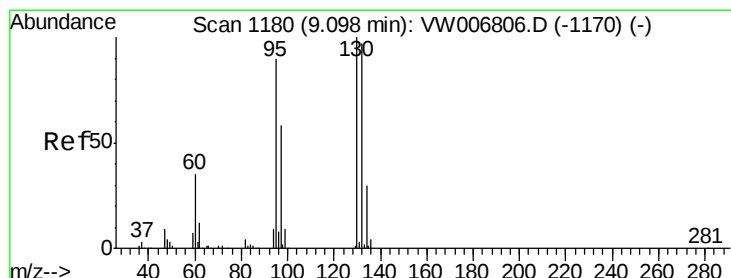
Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.9	27.0	40.4
87	16.3	13.0	19.4

Manual Integrations
APPROVED



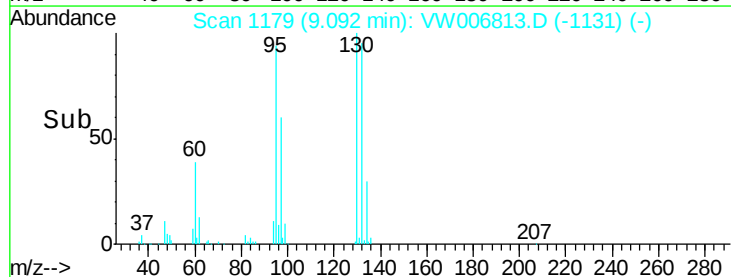
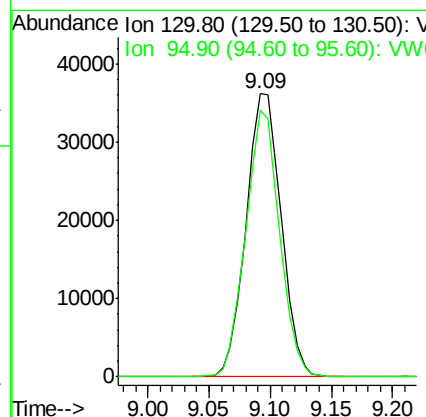
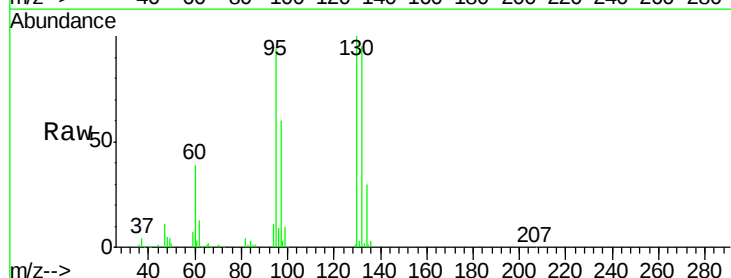
apatel

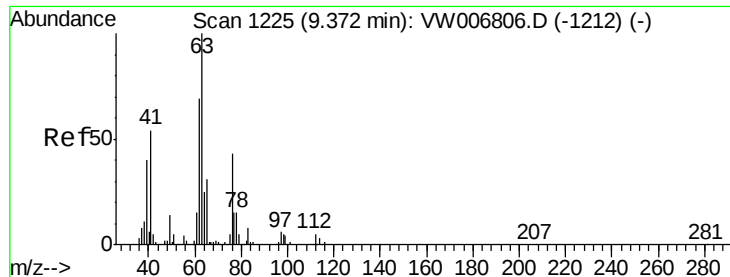
11/13/2018 3:55:42 PM



#44
Trichloroethene
Concen: 21.933 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	180.2



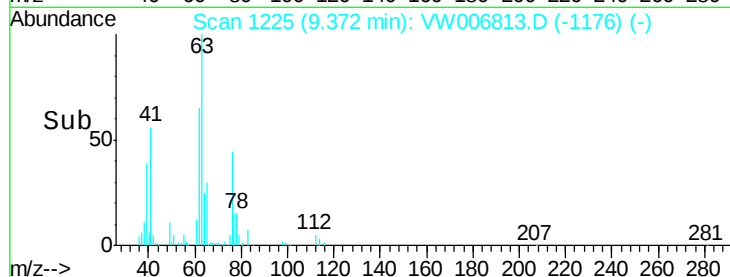
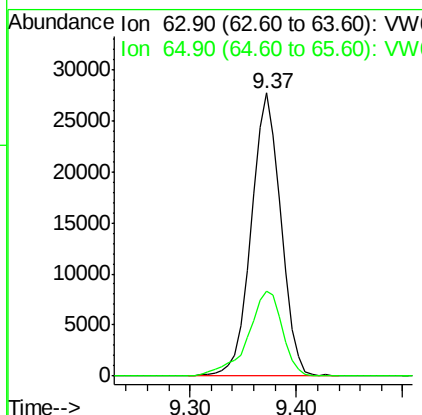
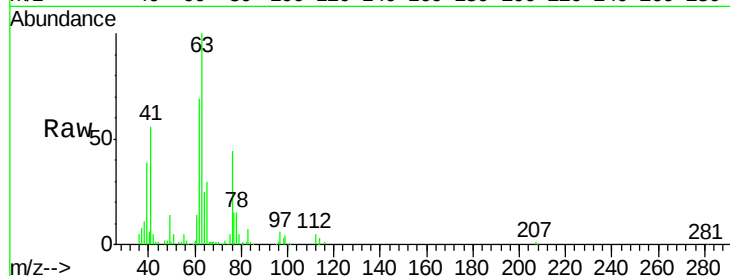


#45
 1,2-Dichloropropane
 Concen: 22.172 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

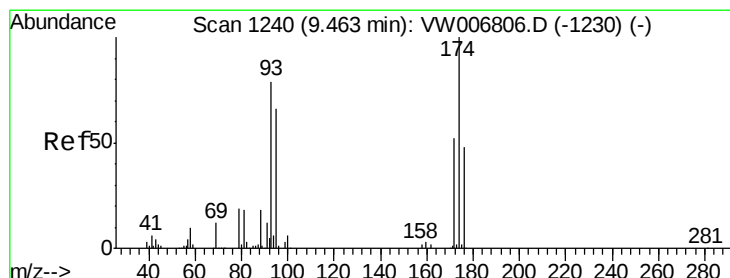
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.4	36.6

Manual Integrations
 APPROVED



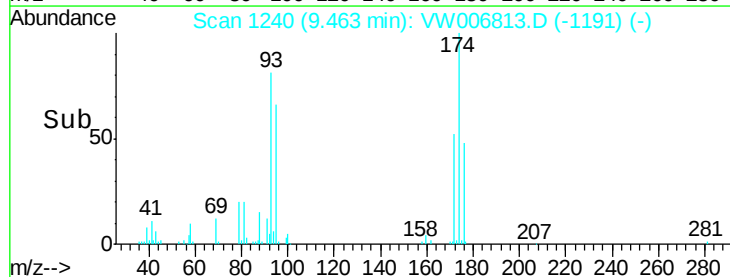
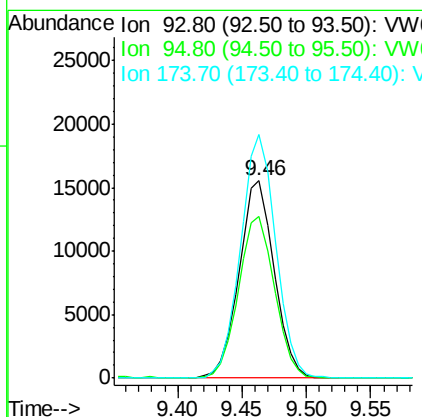
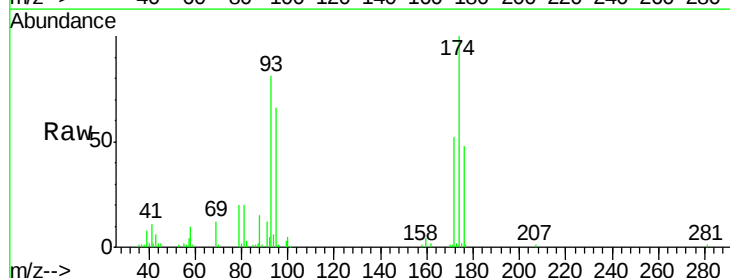
apatel

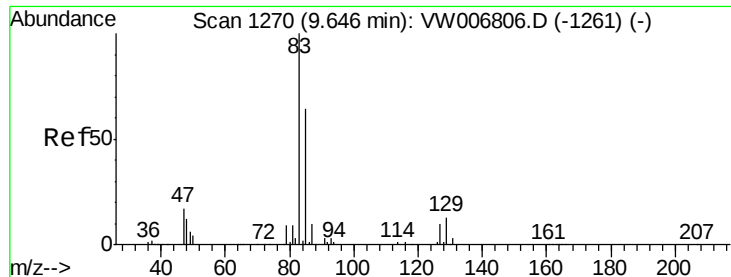
11/13/2018 3:55:42 PM



#46
 Dibromomethane
 Concen: 21.626 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.0	100.6
174	123.4	98.6	147.8



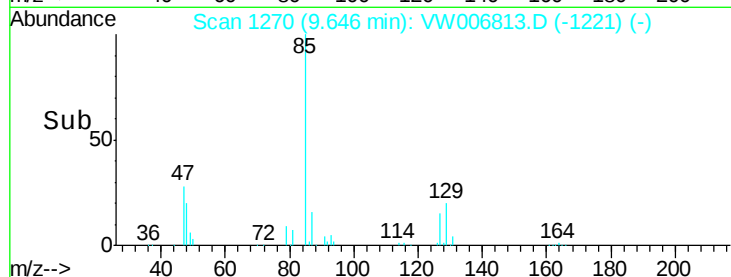
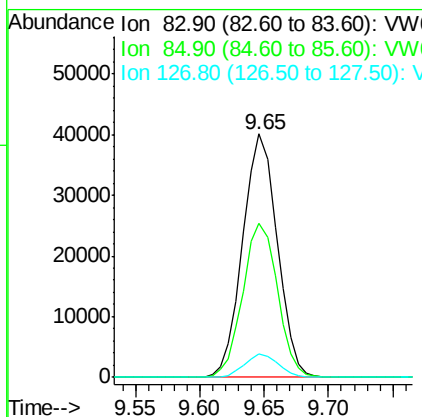
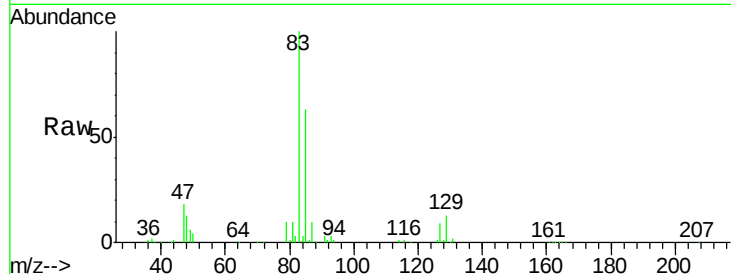


#47
Bromodichloromethane
Concen: 22.139 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

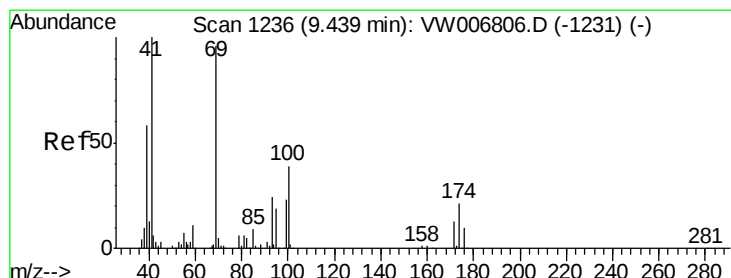
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	9.5	7.6	11.4

Manual Integrations
APPROVED



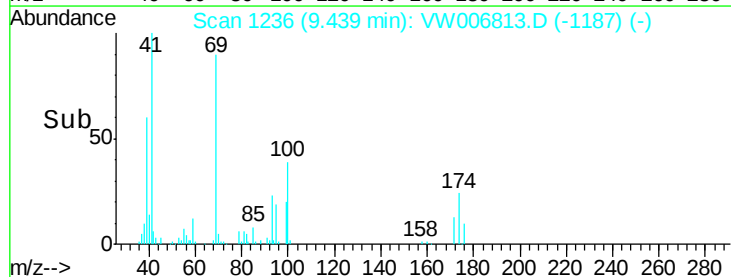
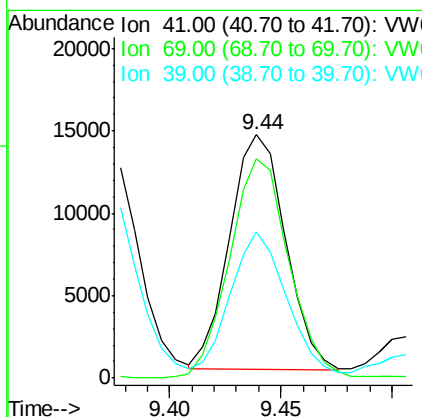
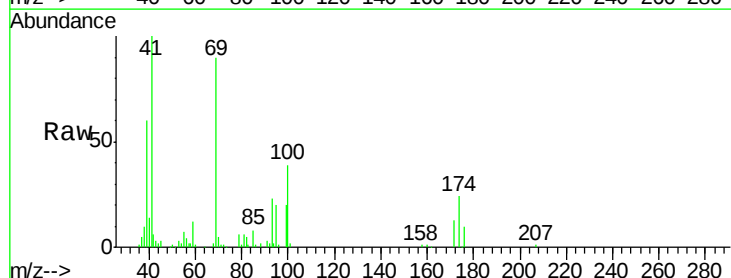
apatel

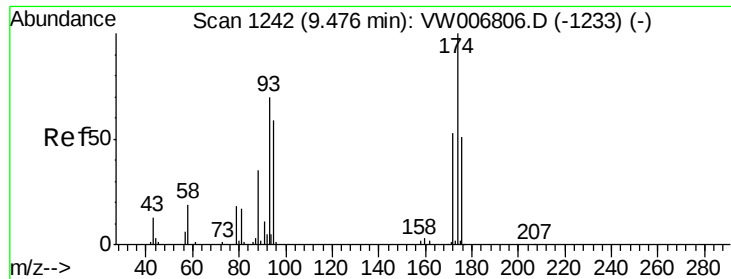
11/13/2018 3:55:42 PM



#48
Methyl methacrylate
Concen: 21.269 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.5	79.8	119.6
39	58.6	45.9	68.9



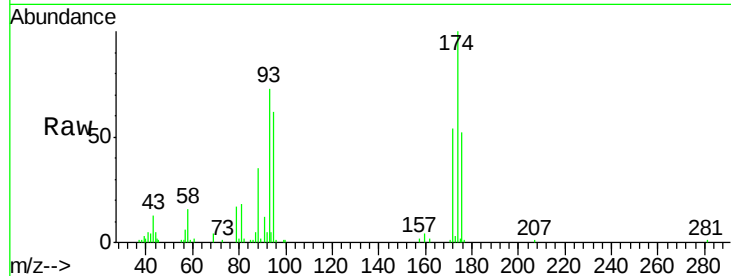


#49
1,4-Dioxane
Concen: 423.314 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	62.5	50.6	75.8

Manual Integrations
APPROVED

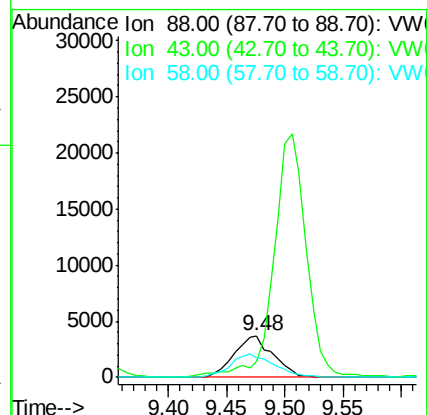
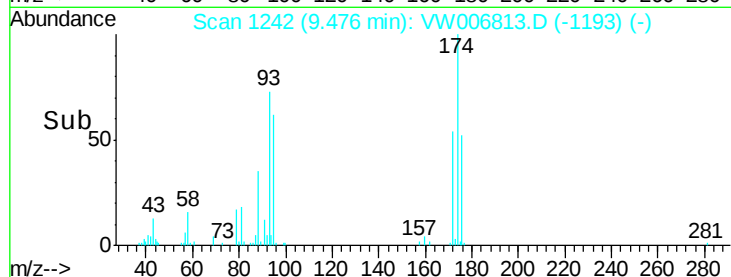


Abundance

Ion 88.00 (87.70 to 88.70): VW

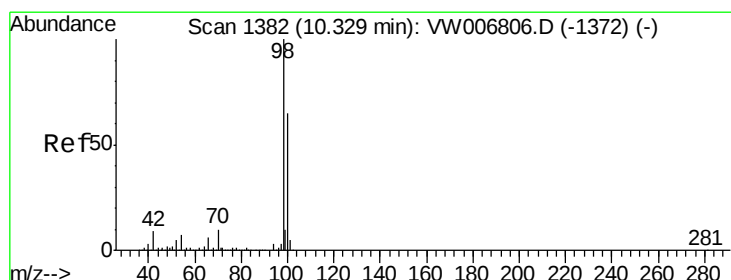
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



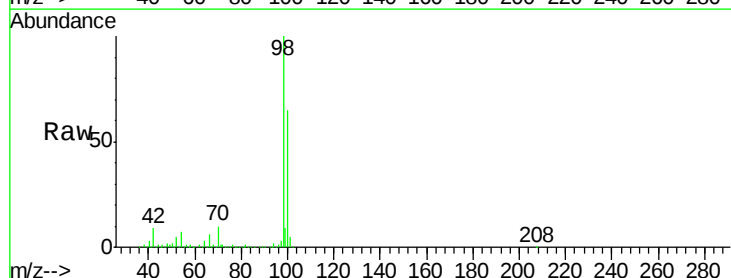
apatel

11/13/2018 3:55:42 PM



#50
Toluene-d8
Concen: 50.022 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

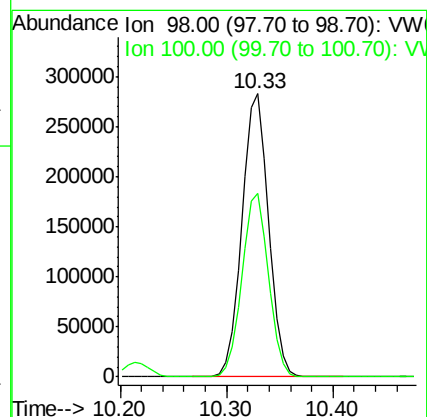
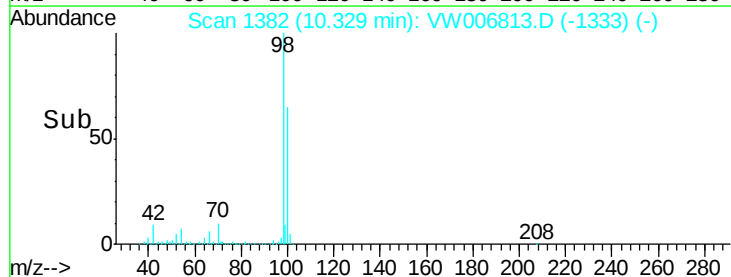
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.2

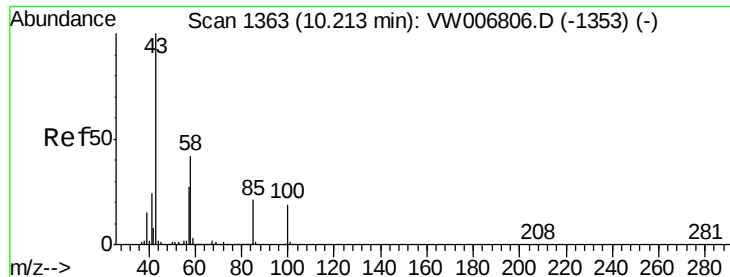


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



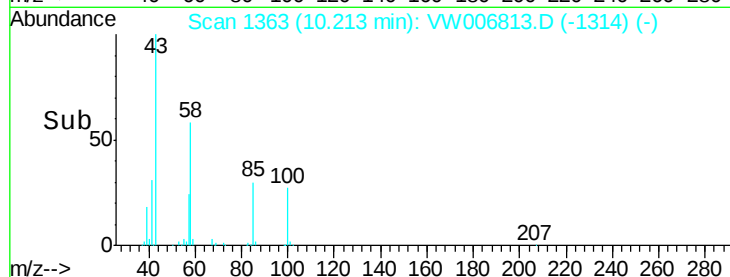
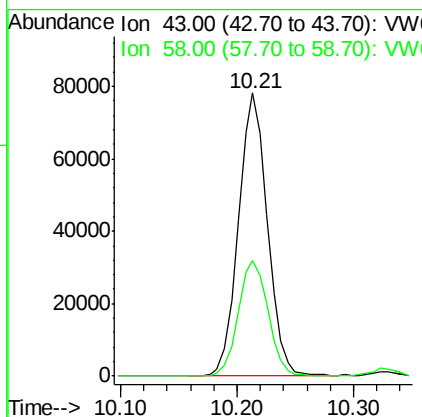
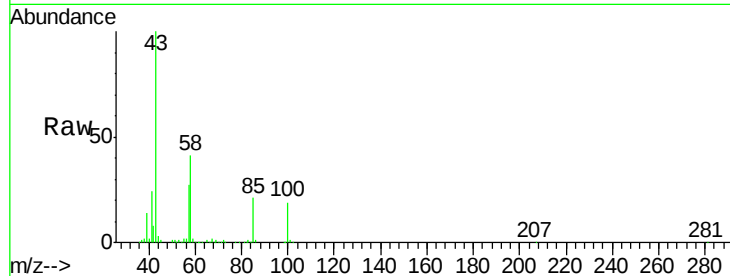


#51
4-Methyl-2-Pentanone
Concen: 113.223 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

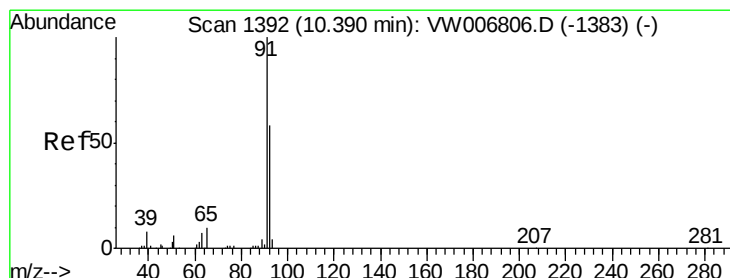
Tgt Ion: 43 Resp: 135739
Ion Ratio Lower Upper
43 100
58 41.9 34.0 51.0

Manual Integrations
APPROVED



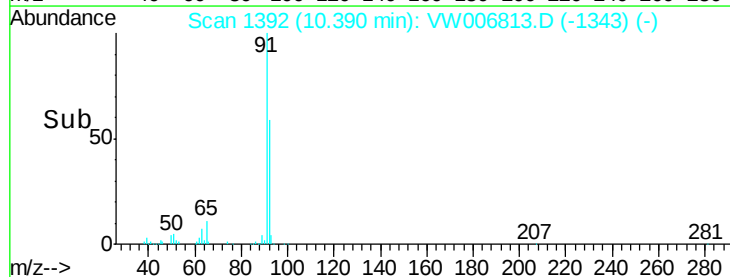
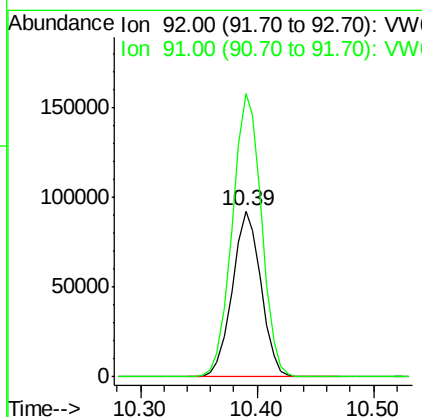
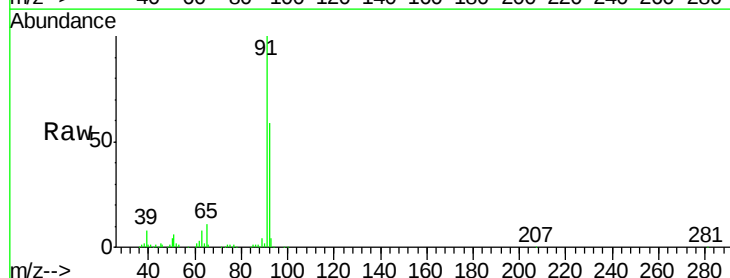
apatel

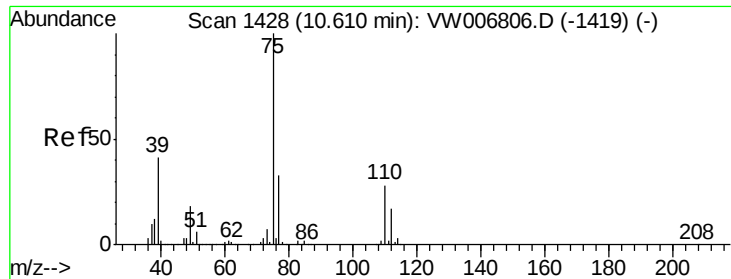
11/13/2018 3:55:42 PM



#52
Toluene
Concen: 21.317 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 92 Resp: 157990
Ion Ratio Lower Upper
92 100
91 173.4 139.4 209.2



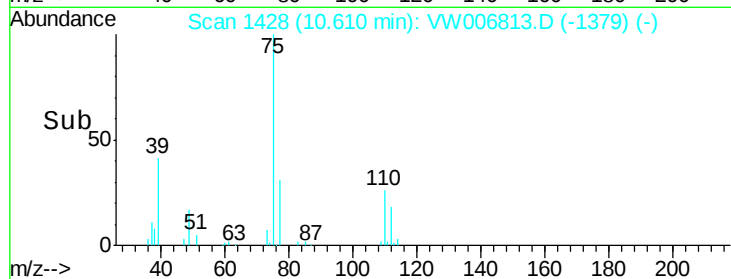
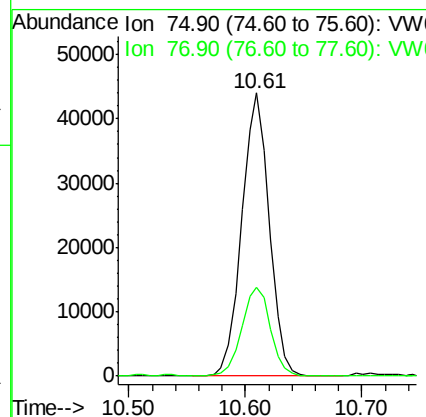
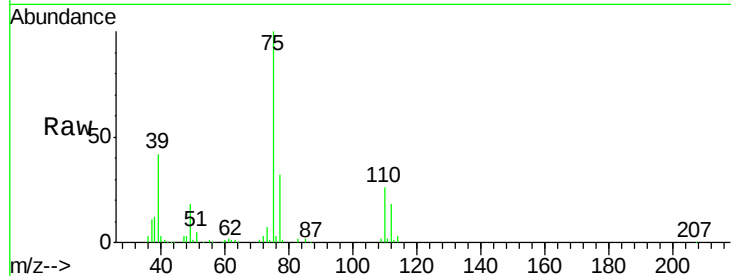


#53
t-1,3-Dichloropropene
Concen: 21.817 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

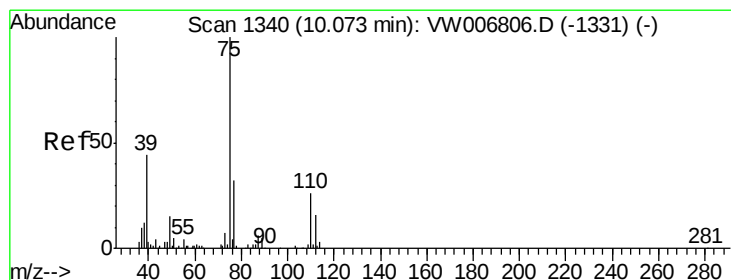
Tgt Ion: 75 Resp: 72253
Ion Ratio Lower Upper
75 100
77 31.6 26.3 39.5

Manual Integrations
APPROVED



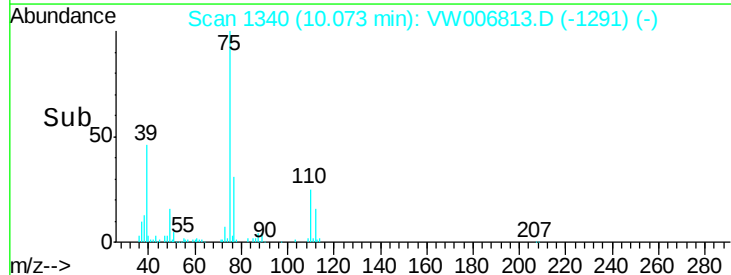
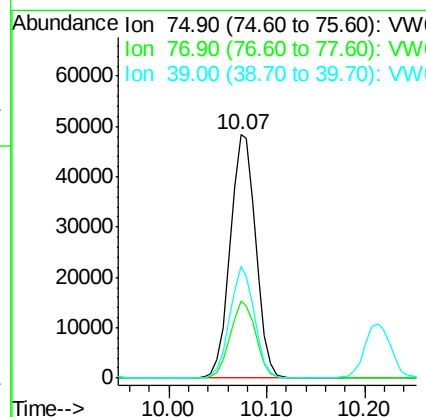
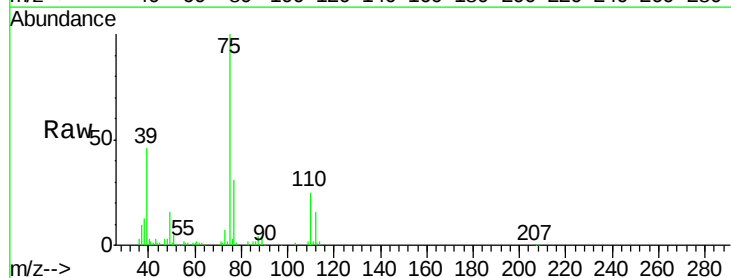
apatel

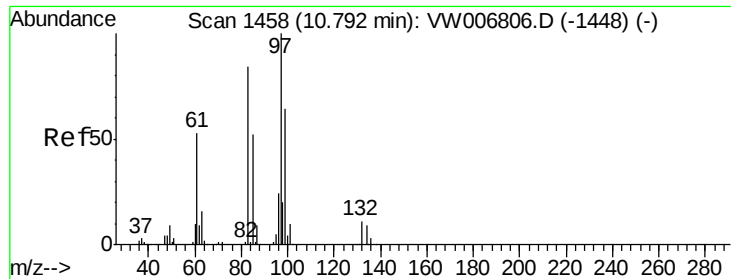
11/13/2018 3:55:42 PM



#54
cis-1,3-Dichloropropene
Concen: 22.228 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 75 Resp: 87290
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 45.9 35.3 52.9



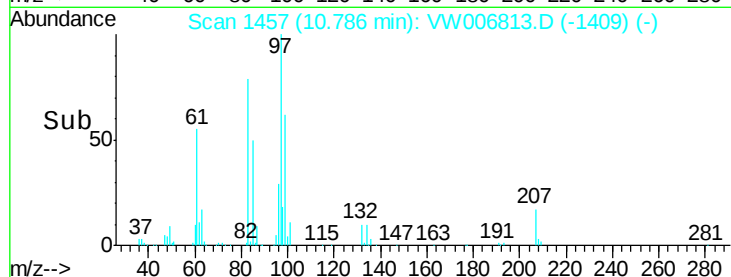
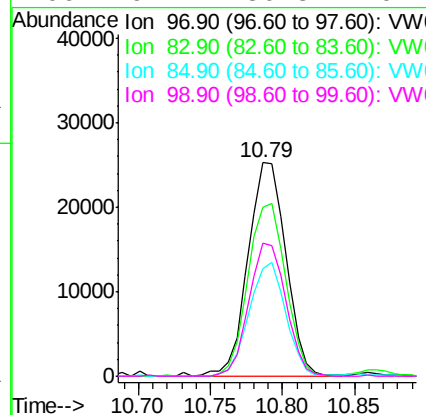
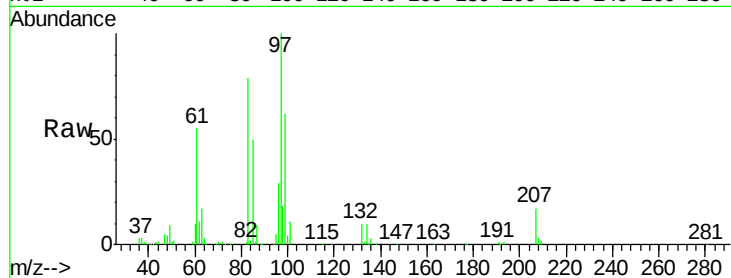


#55
 1,1,2-Trichloroethane
 Concen: 22.916 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

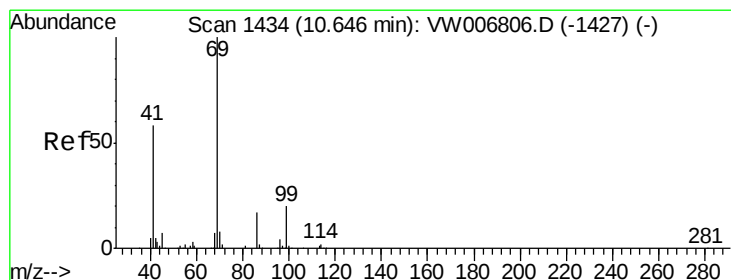
Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.2	67.0	100.4
85	50.4	41.7	62.5
99	62.2	50.8	76.2

Manual Integrations
 APPROVED



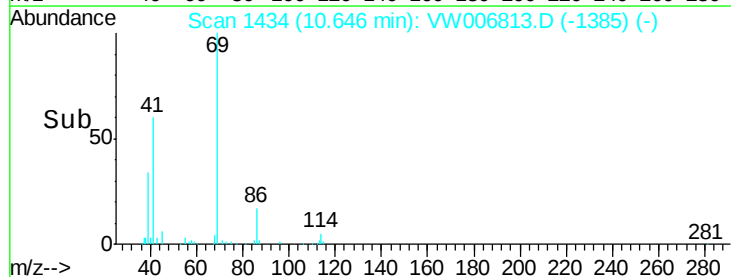
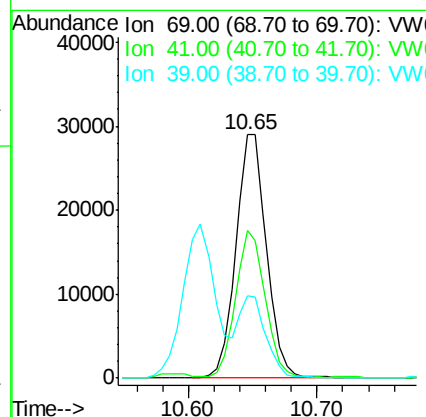
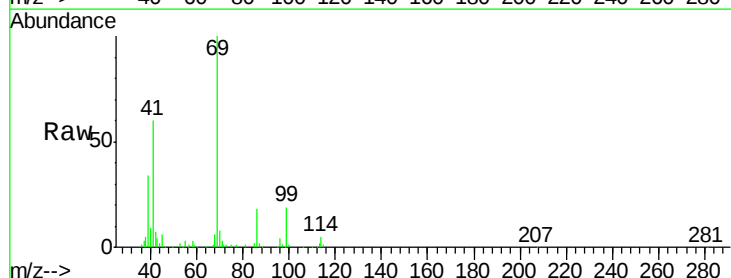
apatel

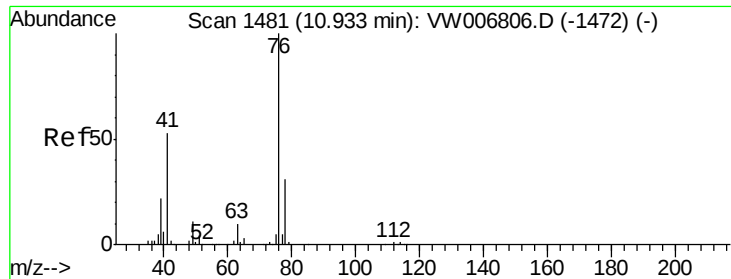
11/13/2018 3:55:42 PM



#56
 Ethyl methacrylate
 Concen: 21.730 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.1	47.0	70.4
39	29.1	23.1	34.7



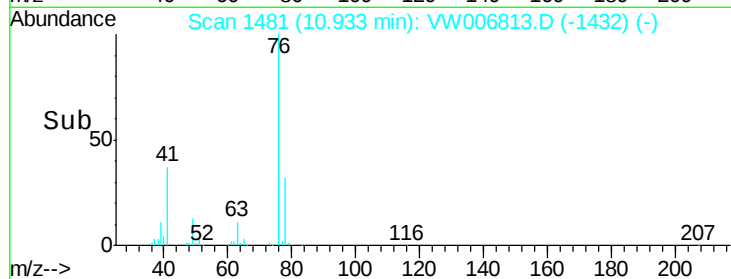
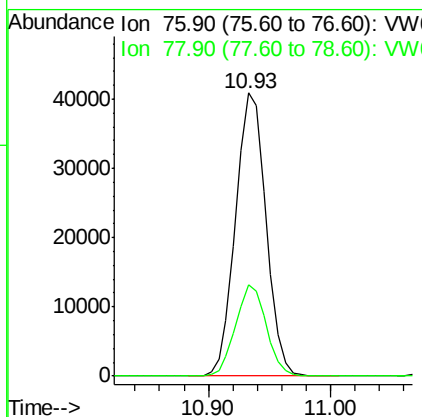
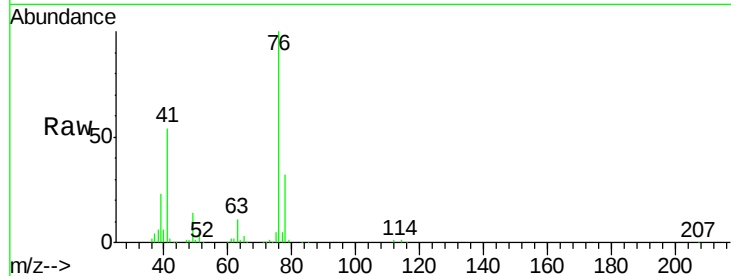


#57
 1,3-Dichloropropane
 Concen: 22.113 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

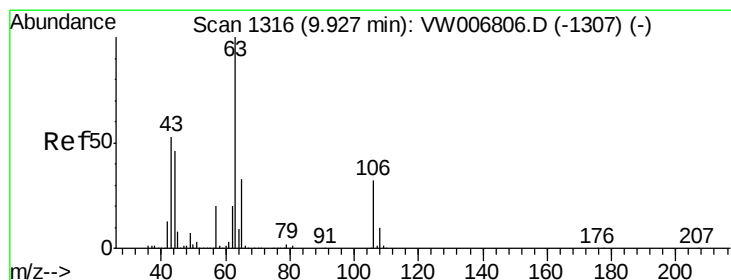
Tgt Ion: 76 Resp: 70479
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

Manual Integrations
 APPROVED



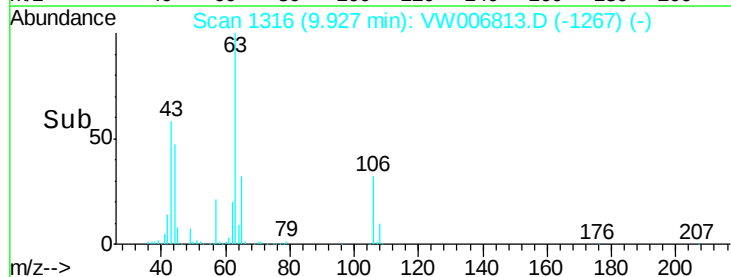
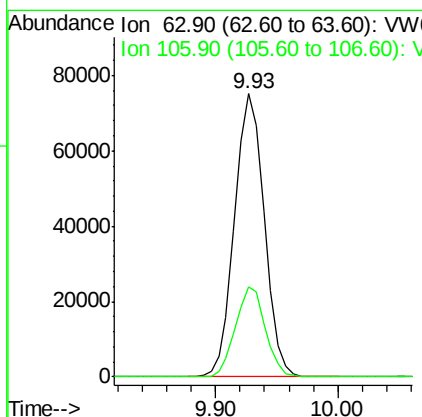
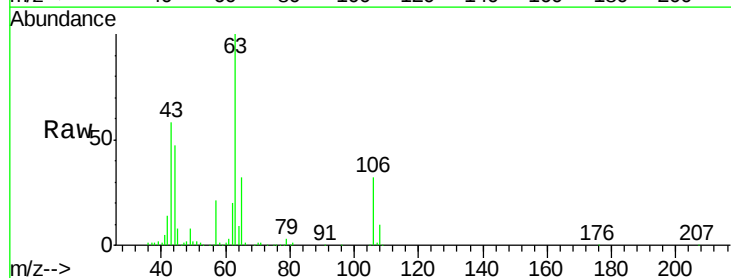
apatel

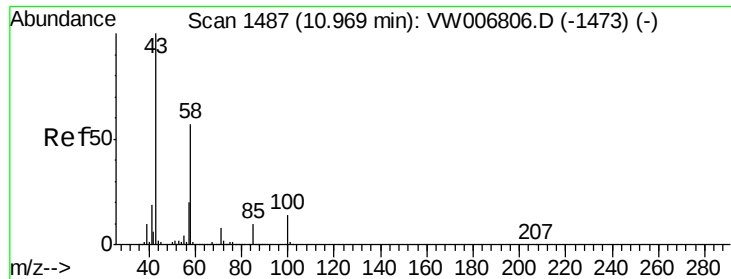
11/13/2018 3:55:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.362 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion: 63 Resp: 126332
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.4 38.0



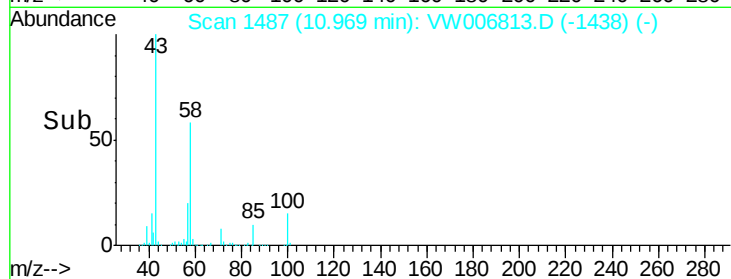
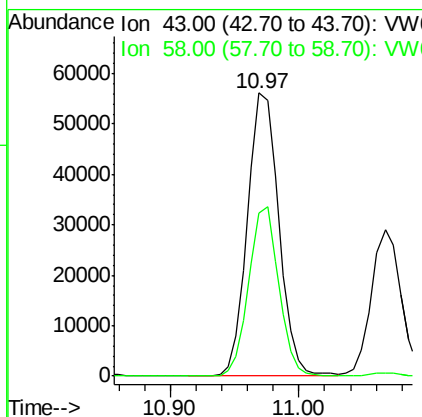
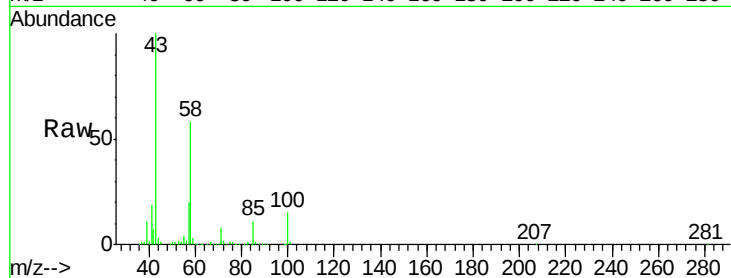


#59
2-Hexanone
Concen: 114.681 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

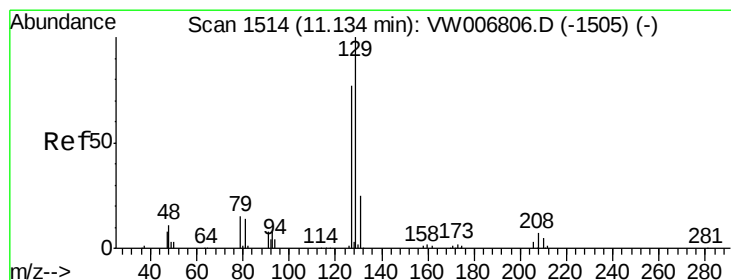
Tgt Ion: 43 Resp: 94833
Ion Ratio Lower Upper
43 100
58 57.0 28.7 86.1

Manual Integrations
APPROVED



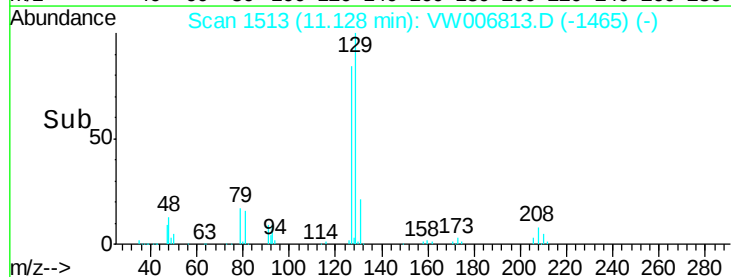
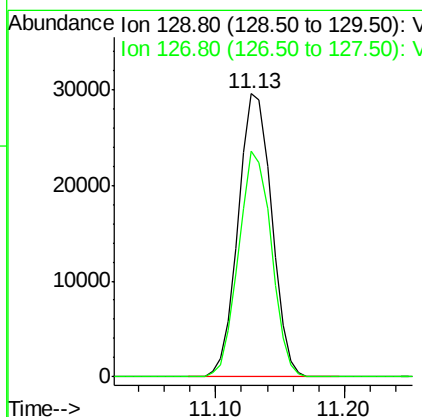
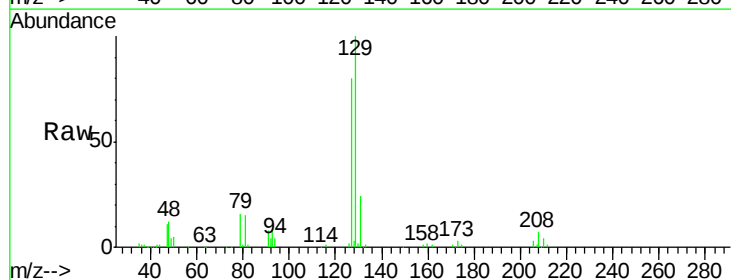
apatel

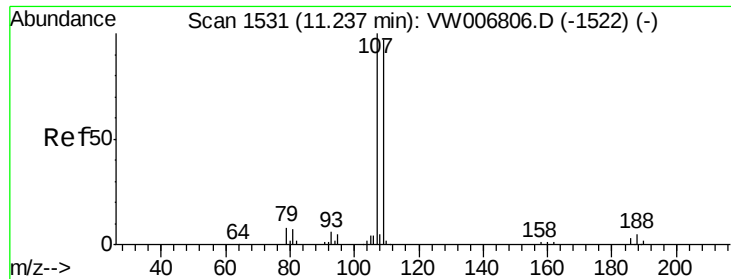
11/13/2018 3:55:42 PM



#60
Dibromochloromethane
Concen: 21.672 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 129 Resp: 53371
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1



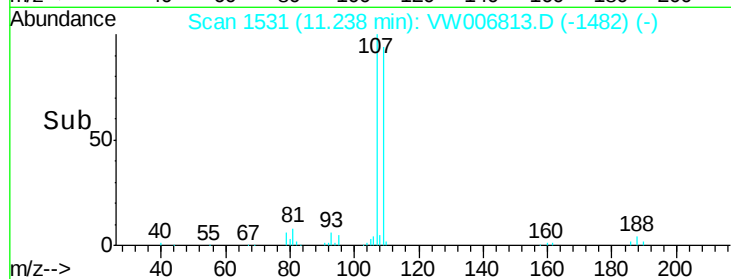
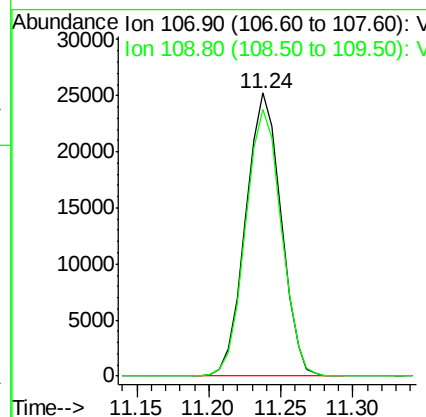
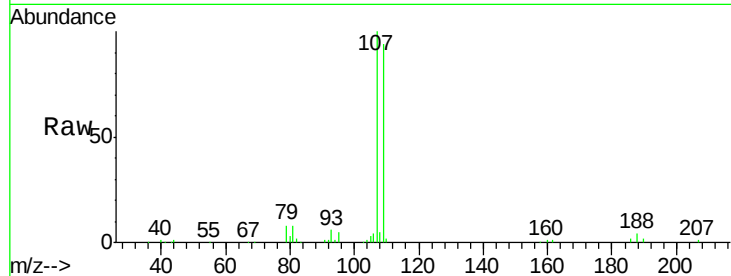


#61
 1,2-Dibromoethane
 Concen: 22.509 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

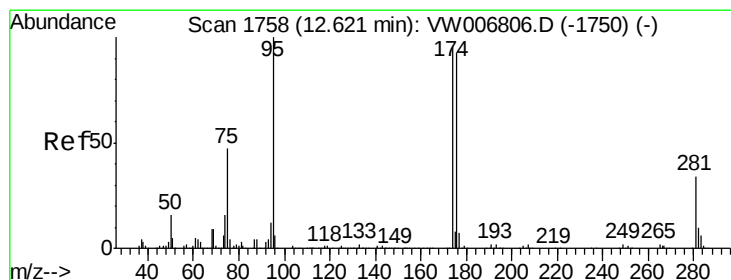
Tgt Ion: 107 Resp: 43023
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.7 115.1

Manual Integrations
 APPROVED



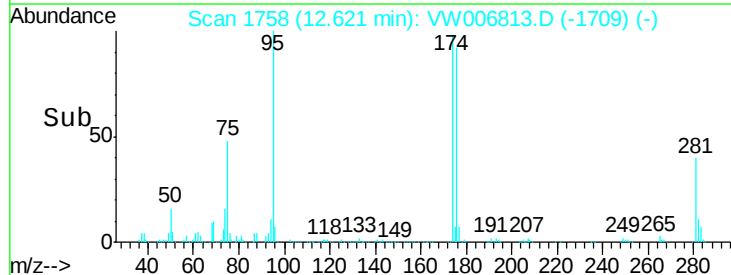
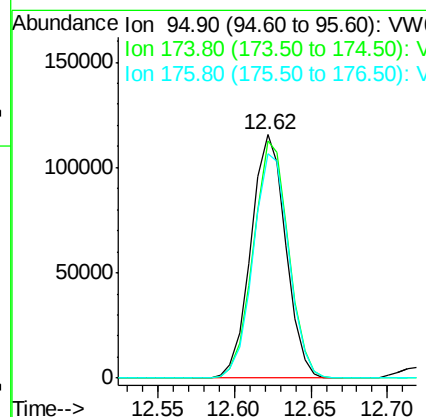
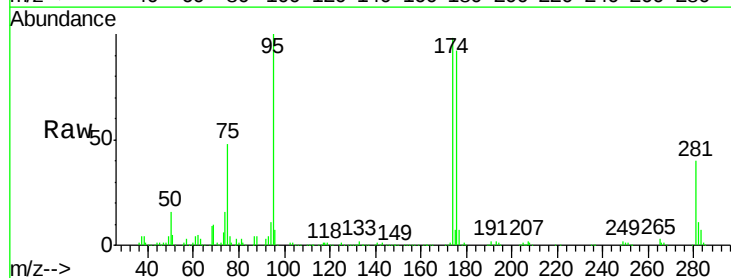
apatel

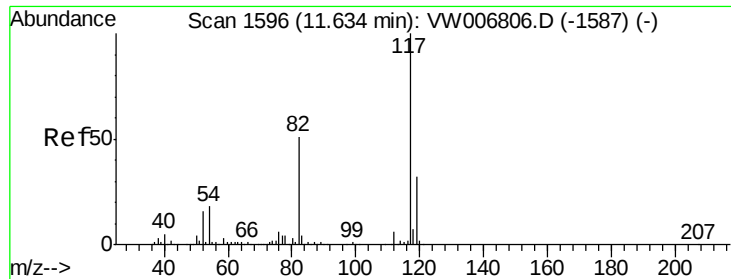
11/13/2018 3:55:42 PM



#62
 4-Bromofluorobenzene
 Concen: 50.137 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion: 95 Resp: 183102
 Ion Ratio Lower Upper
 95 100
 174 98.5 0.0 196.6
 176 94.4 0.0 191.6



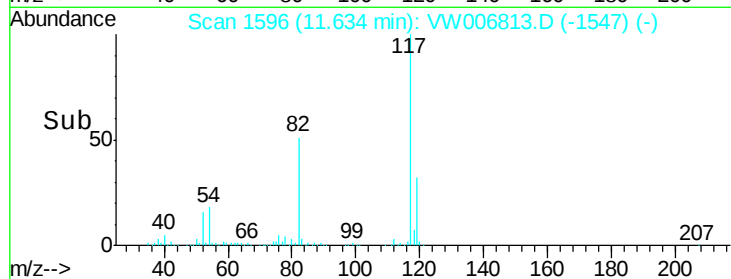
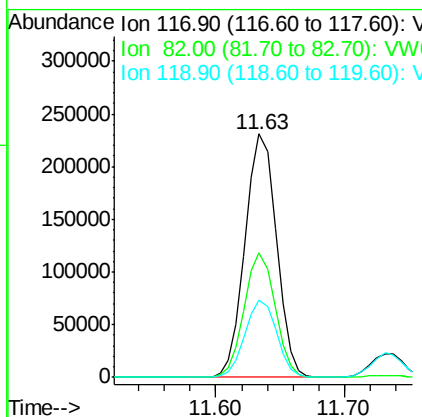
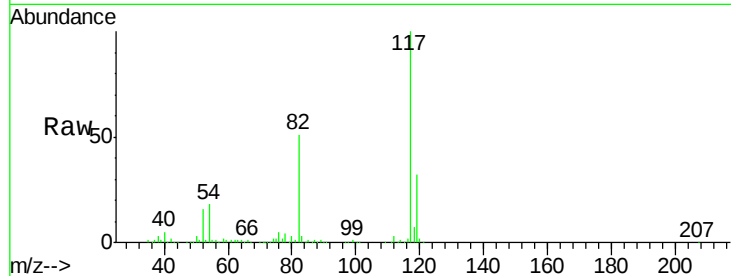


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

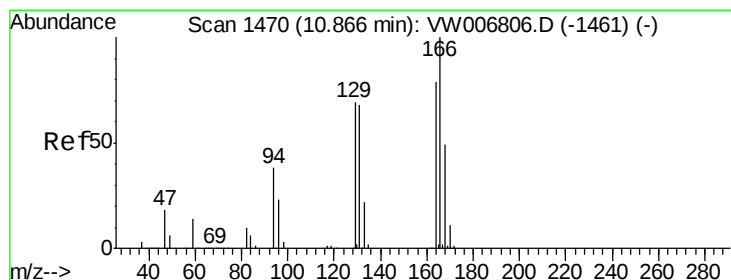
Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	51.3	40.6	61.0
119	31.8	25.5	38.3

Manual Integrations
APPROVED



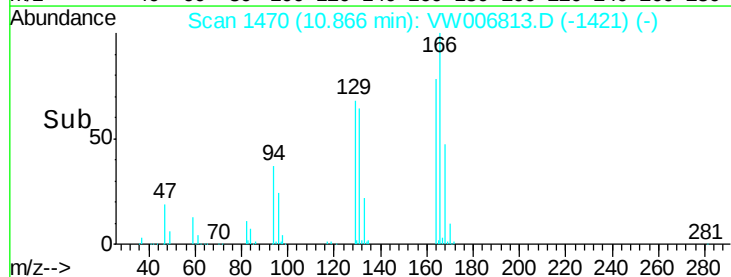
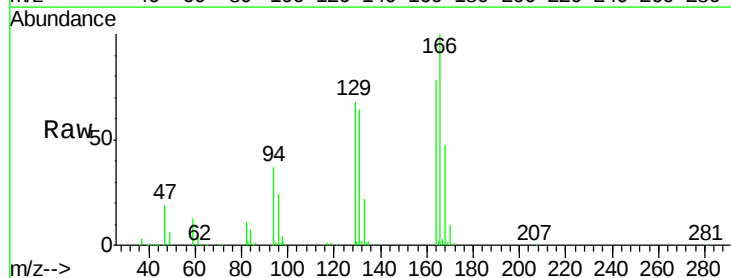
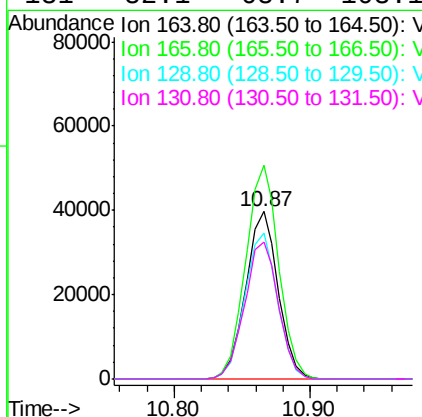
apatel

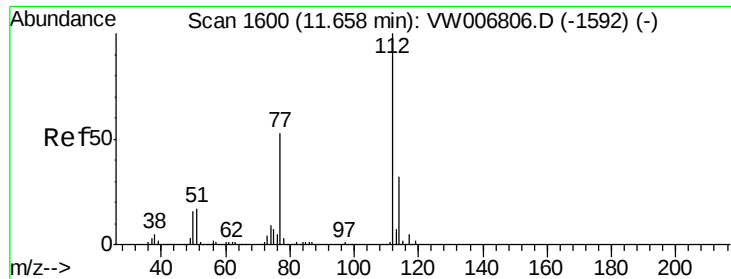
11/13/2018 3:55:42 PM



#64
Tetrachloroethene
Concen: 21.189 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.5	101.3	151.9
129	86.7	69.6	104.4
131	82.1	68.7	103.1



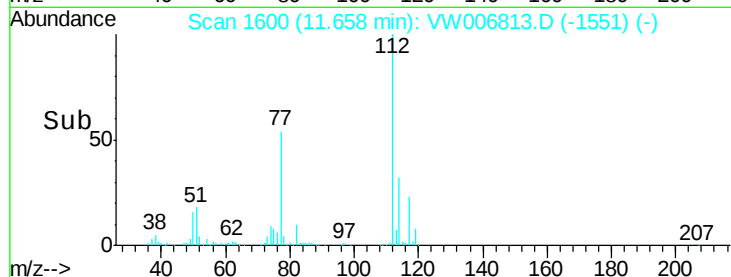
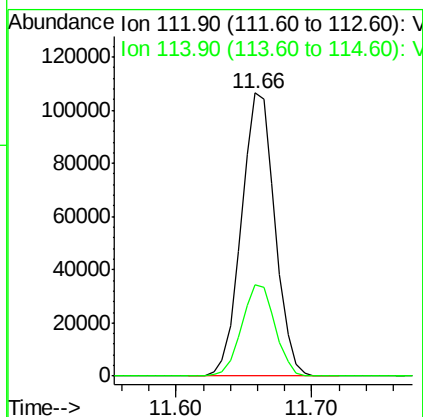
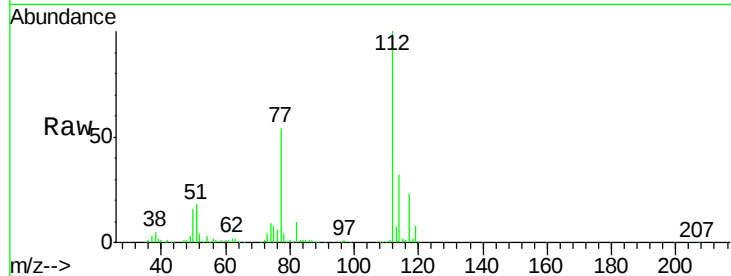


#65
Chlorobenzene
Concen: 21.091 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

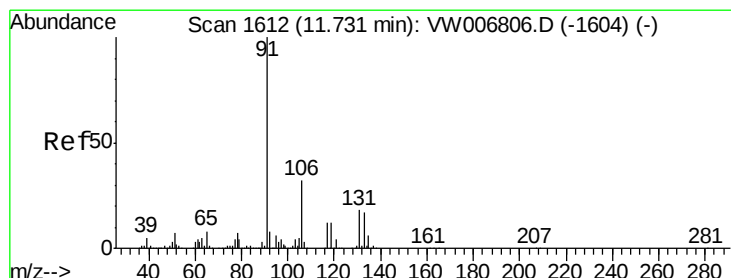
Tgt Ion:112 Resp: 182545
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

Manual Integrations
APPROVED



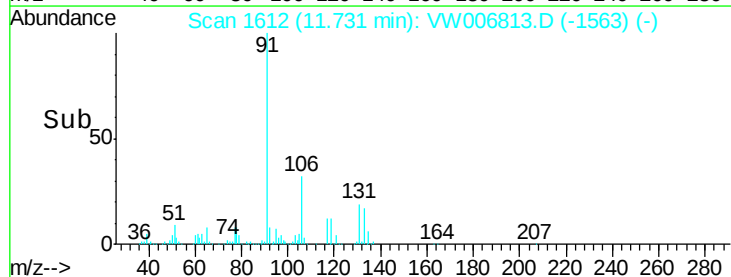
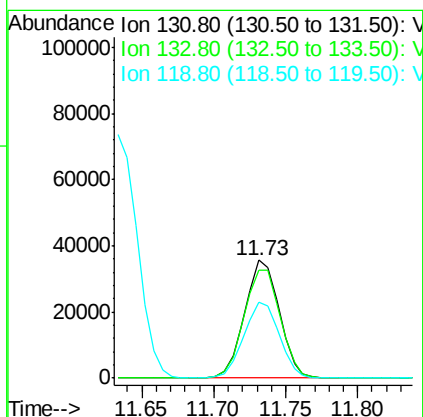
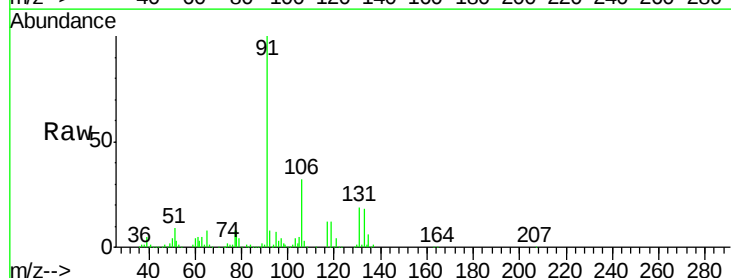
apatel

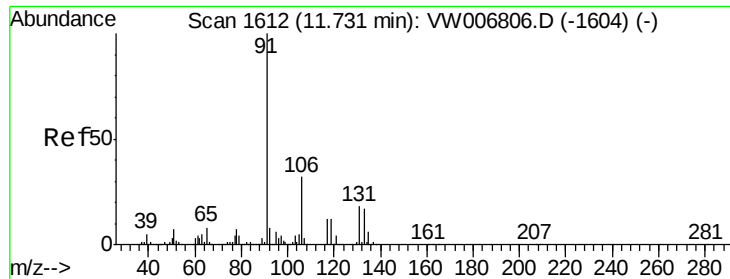
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.138 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion:131 Resp: 59364
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.8
119 66.0 32.4 97.2



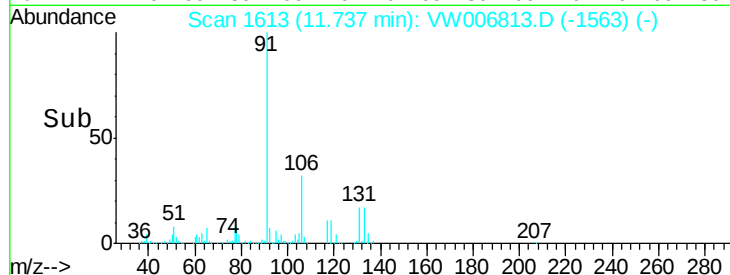
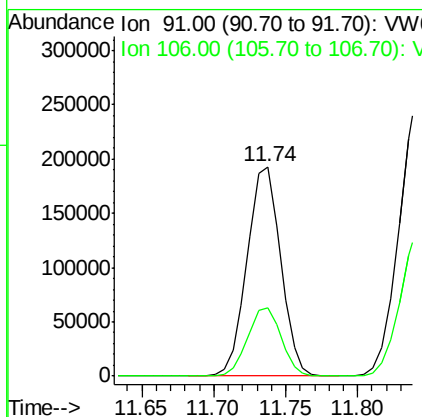
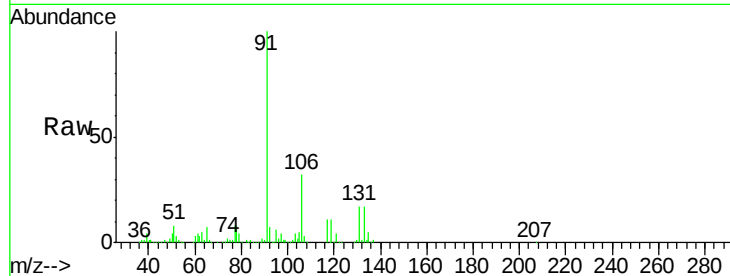


#67
Ethyl Benzene
Concen: 21.097 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampled :
VW1112SBS01

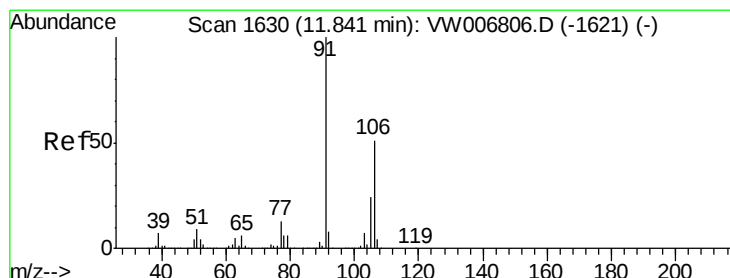
Tgt Ion: 91 Resp: 311282
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0

Manual Integrations
APPROVED



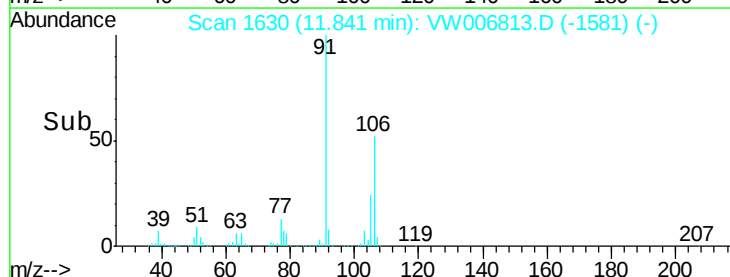
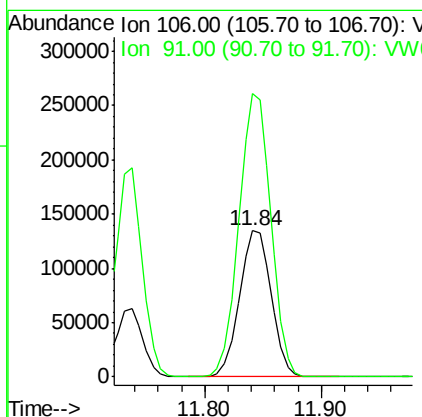
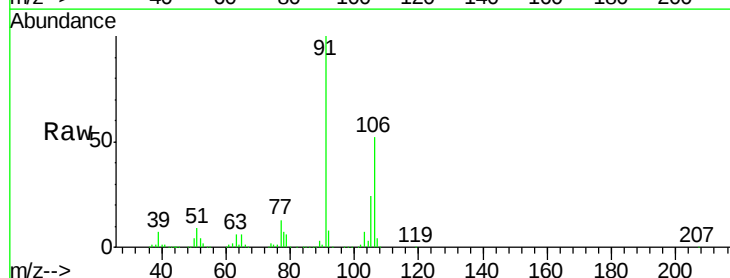
apatel

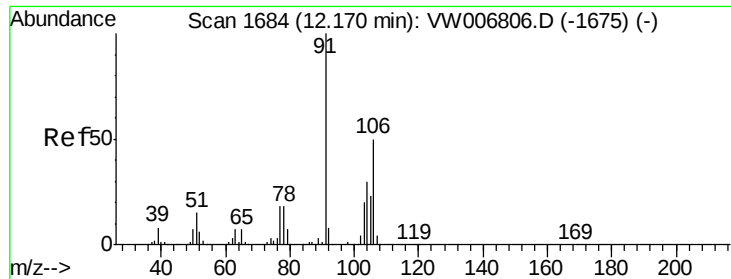
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#68
m/p-Xylenes
Concen: 42.354 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 106 Resp: 255693
Ion Ratio Lower Upper
106 100
91 194.7 155.7 233.5



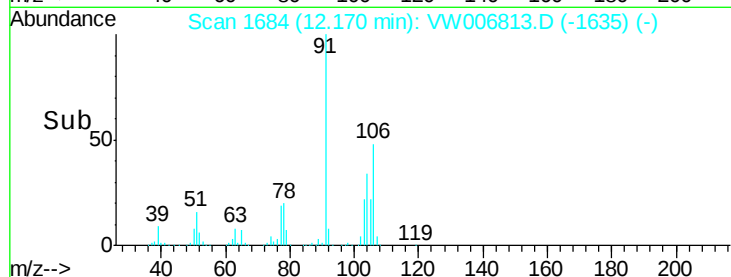
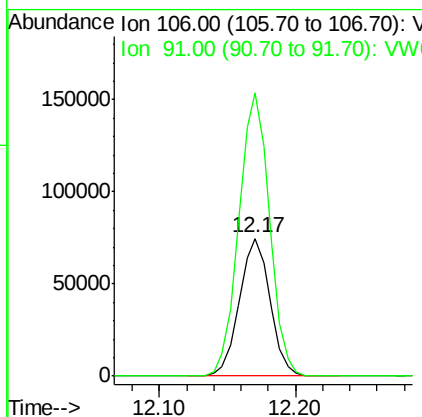
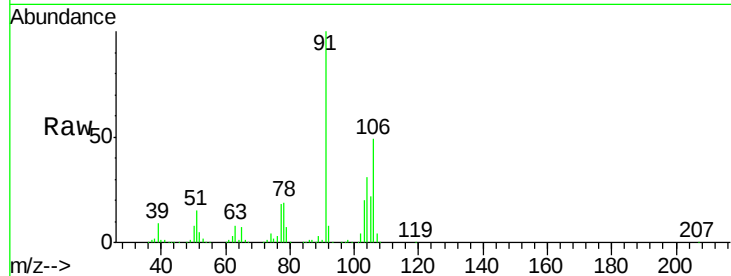


#69
o-Xylene
Concen: 20.901 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

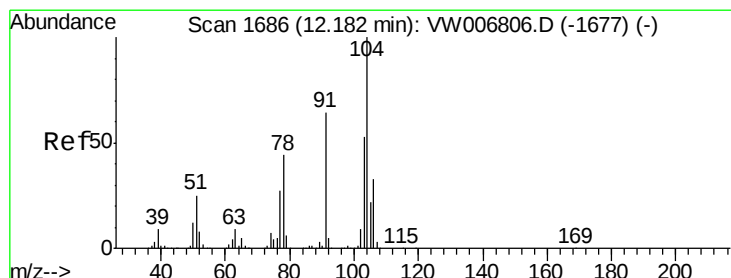
Tgt Ion:106 Resp: 117435
Ion Ratio Lower Upper
106 100
91 205.8 101.9 305.7

Manual Integrations
APPROVED



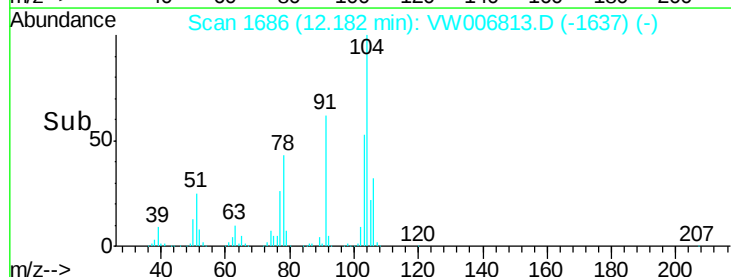
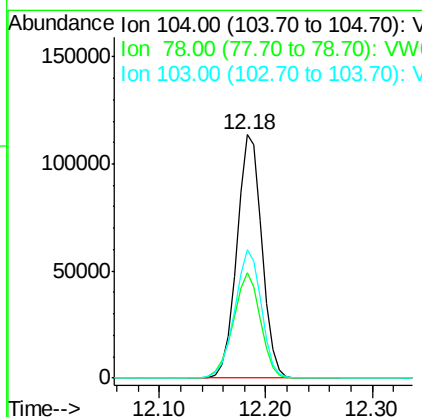
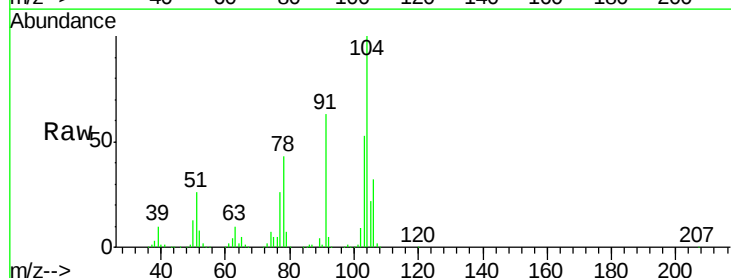
apatel

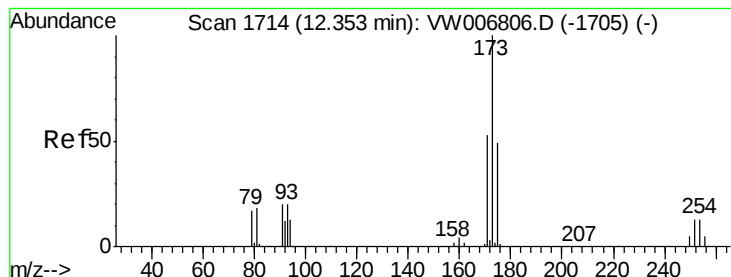
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#70
Styrene
Concen: 20.807 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion:104 Resp: 187114
Ion Ratio Lower Upper
104 100
78 46.9 37.3 55.9
103 55.9 44.6 66.8





#71

Bromoform

Concen: 21.266 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion:173 Resp: 32595

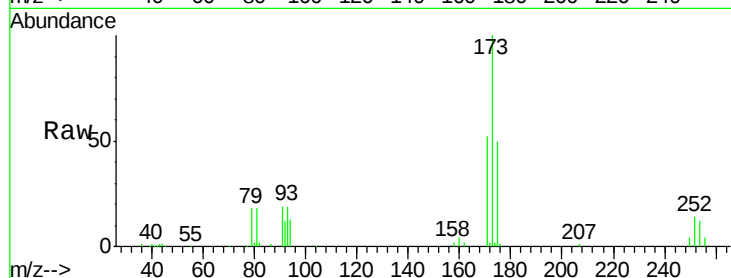
Ion Ratio Lower Upper

173 100

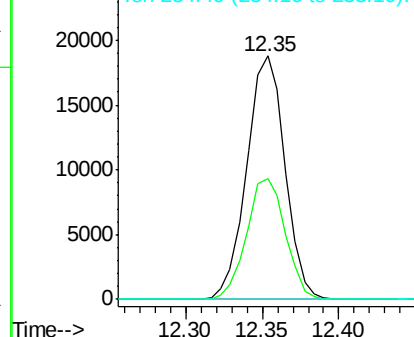
175 50.3 24.4 73.4

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

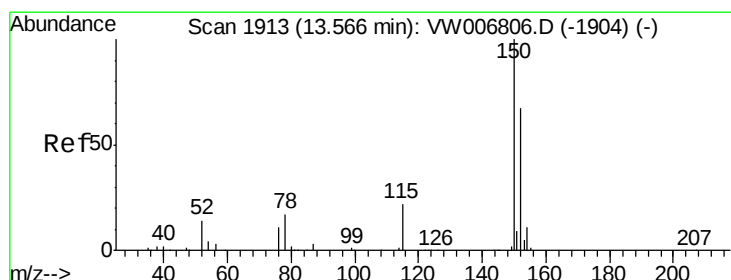
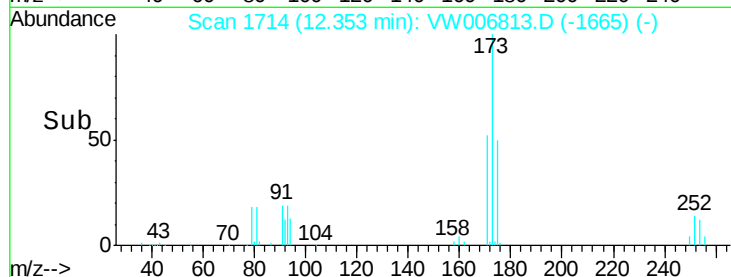


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

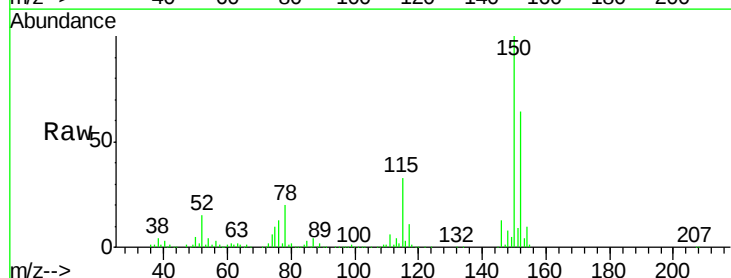
Tgt Ion:152 Resp: 221888

Ion Ratio Lower Upper

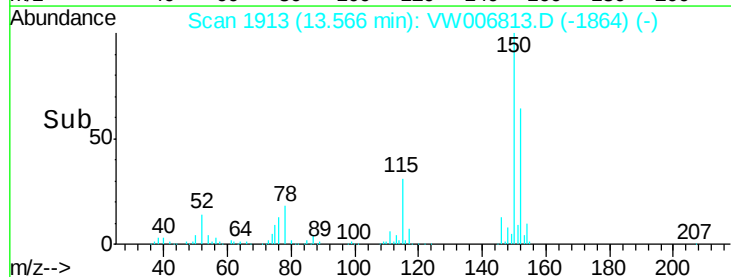
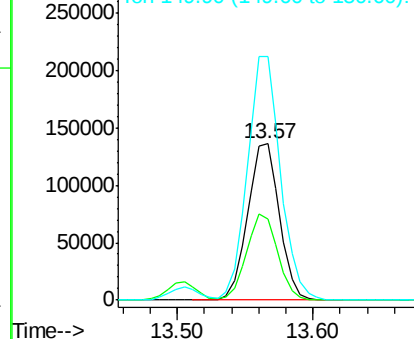
152 100

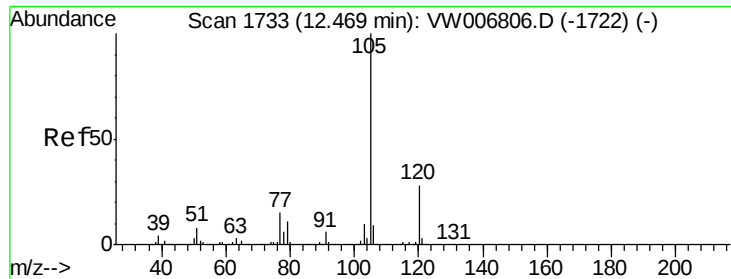
115 53.9 27.3 81.8

150 162.7 0.0 353.0



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





#73

Isopropylbenzene

Concen: 20.989 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tgt Ion: 105 Resp: 323270

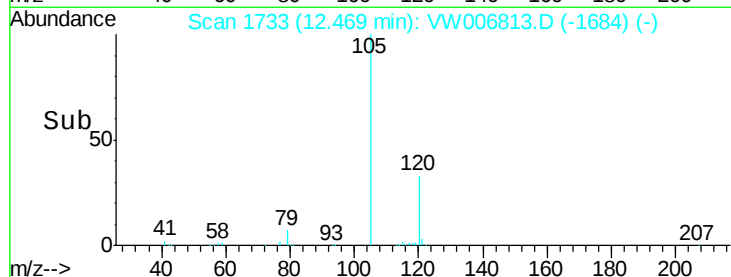
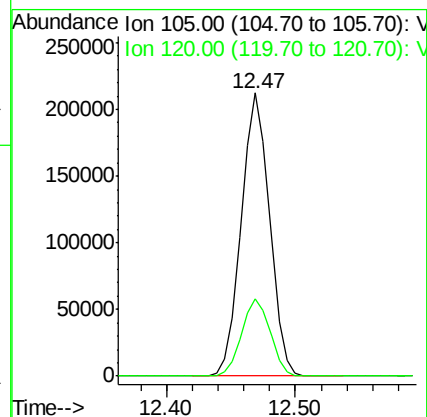
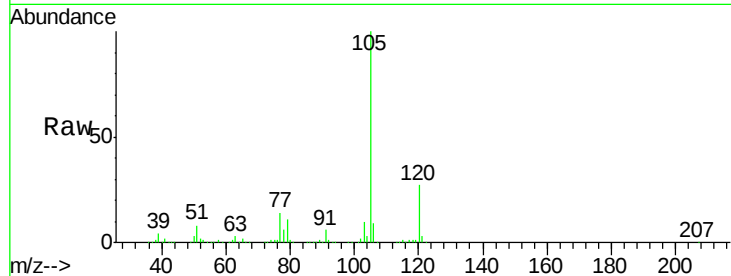
Ion Ratio Lower Upper

105 100

120 27.7 14.0 42.0

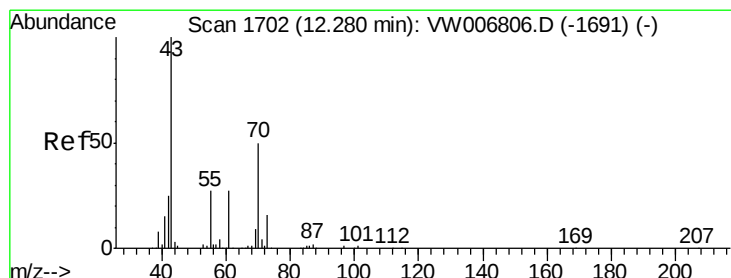
Manual Integrations

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#74

N-ethyl acetate

Concen: 22.007 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Tgt Ion: 43 Resp: 51251

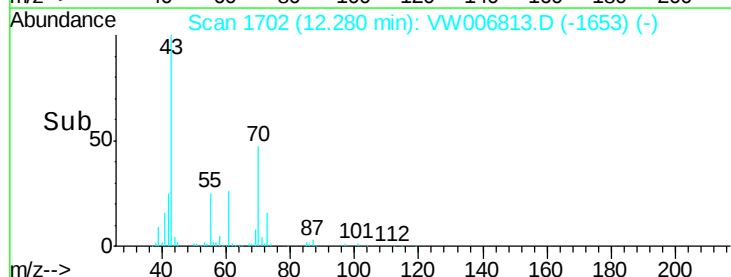
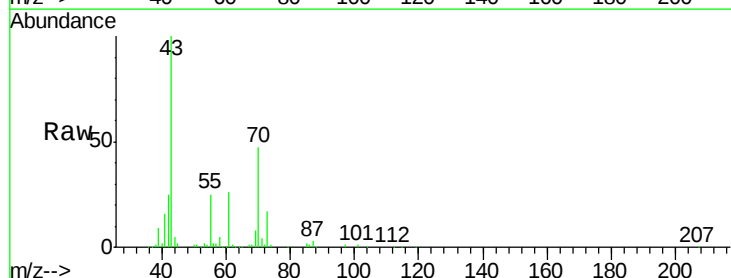
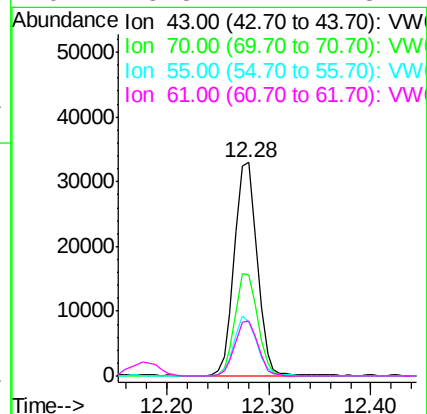
Ion Ratio Lower Upper

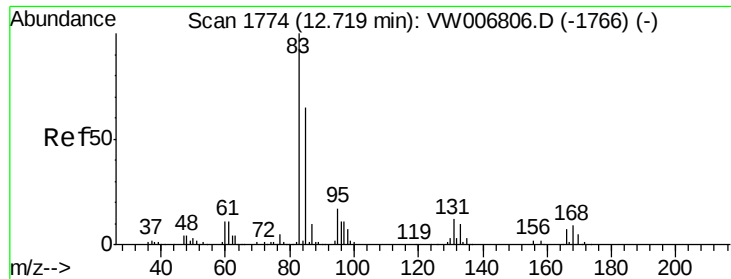
43 100

70 47.3 39.0 58.4

55 27.3 22.1 33.1

61 25.8 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.133 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

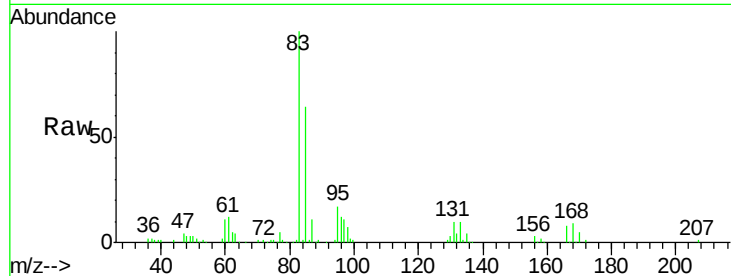
MSVOA_W

ClientSampleId :

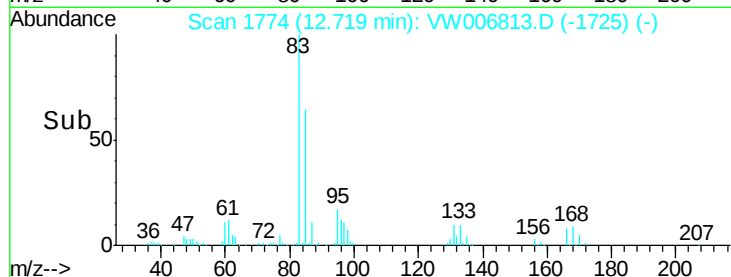
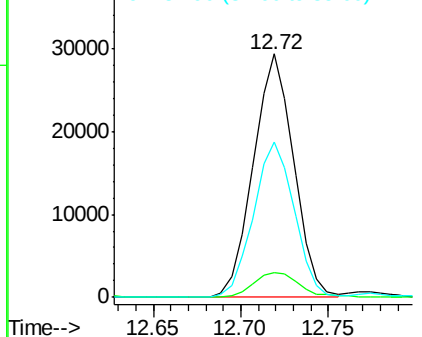
VW1112SBS01

Tgt Ion:	83	Resp:	47158
Ion	Ratio	Lower	Upper
83	100		
131	12.1	6.1	18.3
85	64.2	32.4	97.0

Manual Integrations
APPROVED

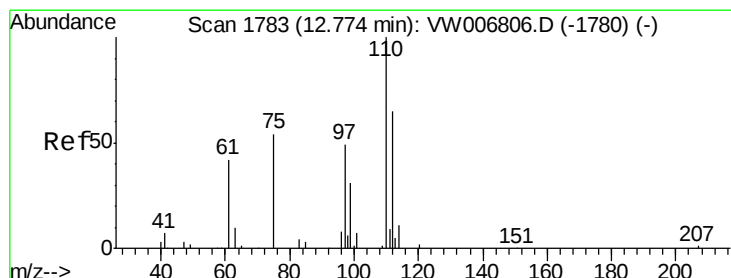


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



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#76

1,2,3-Trichloropropane

Concen: 22.781 ug/l m

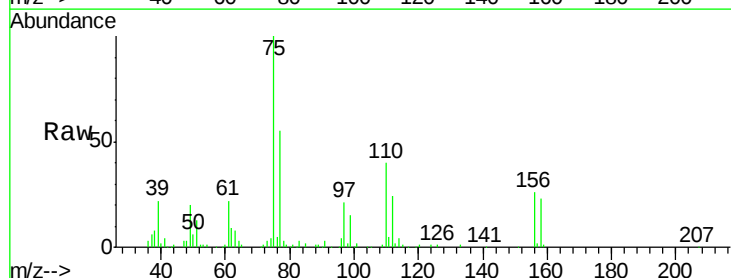
RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

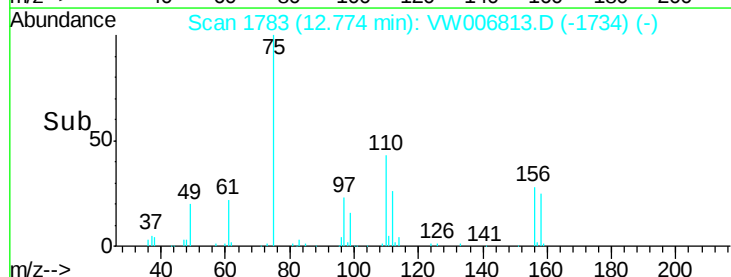
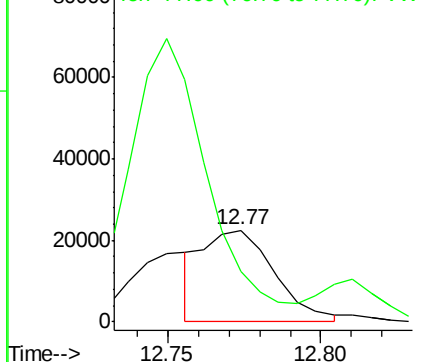
Lab File: VW006813.D

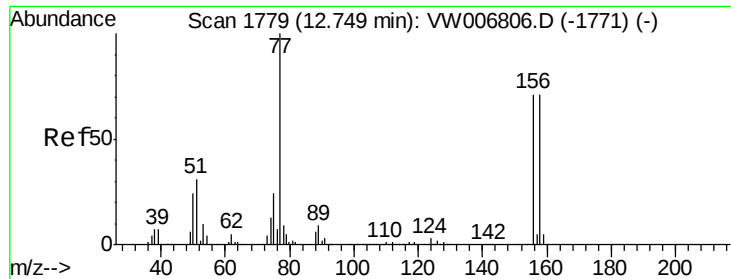
Acq: 12 Nov 2018 18:14

Tgt Ion:	75	Resp:	36428
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.450 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Instrument :

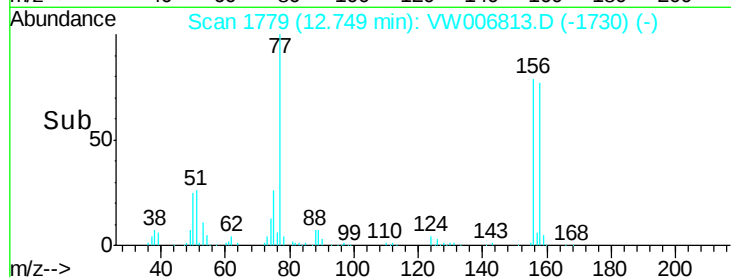
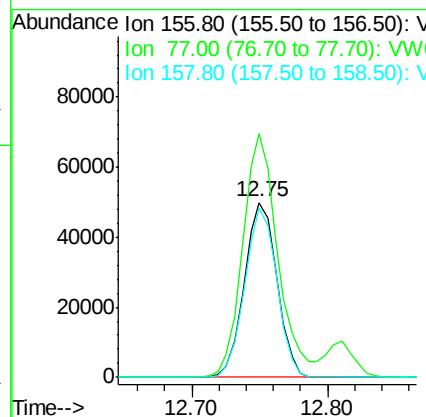
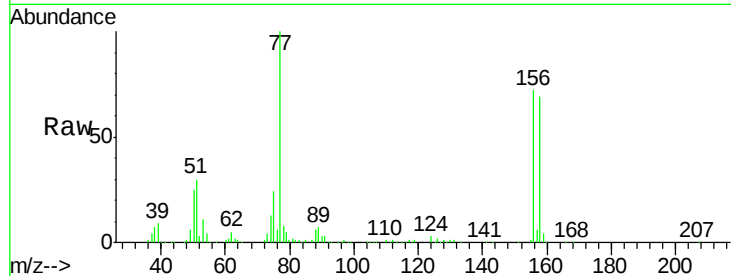
MSVOA_W

ClientSampled :

VW1112SBS01

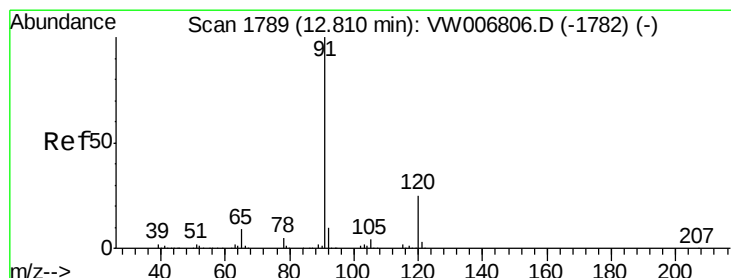
Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.8	75.3	225.7
158	95.6	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.420 ug/l

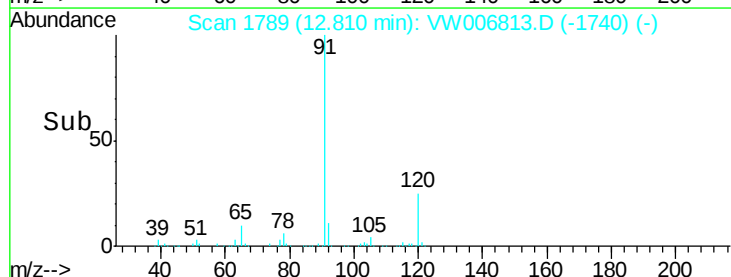
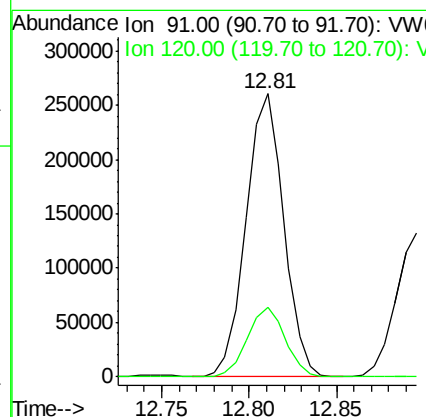
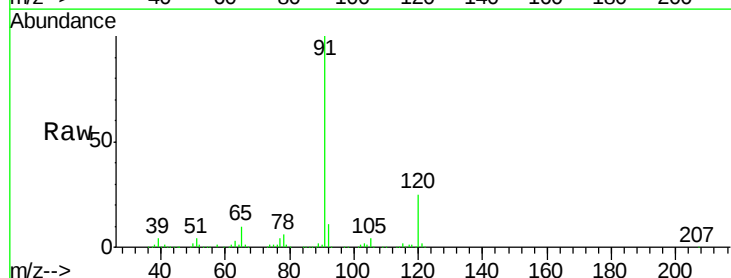
RT: 12.81 min Scan# 1789

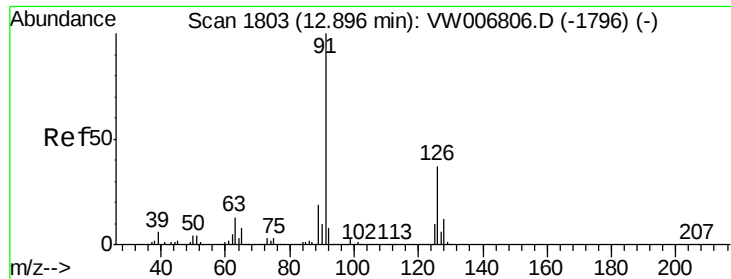
Delta R.T. 0.00 min

Lab File: VW006813.D

Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.4	37.4



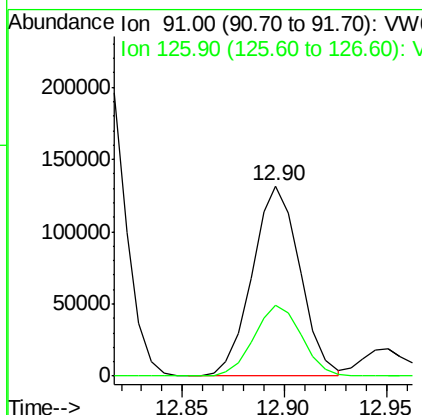
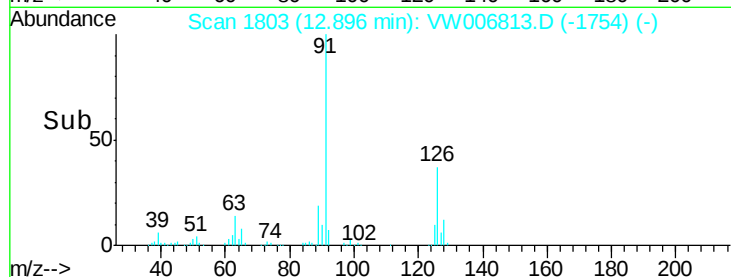
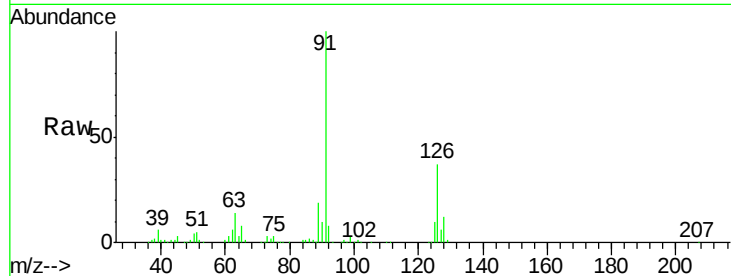


#79
2-Chlorotoluene
Concen: 20.971 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

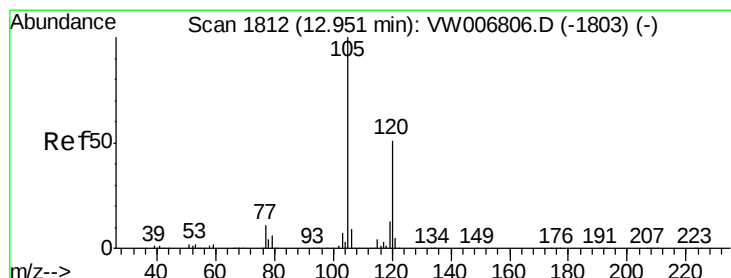
Tgt Ion: 91 Resp: 213881
Ion Ratio Lower Upper
91 100
126 37.3 18.5 55.5

Manual Integrations
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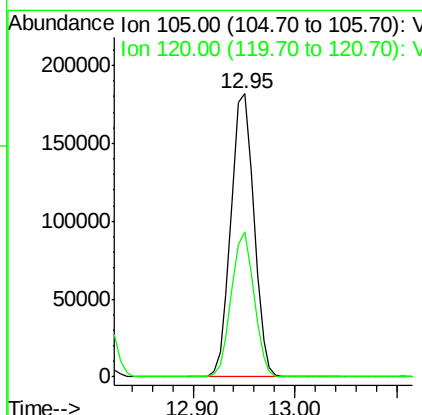
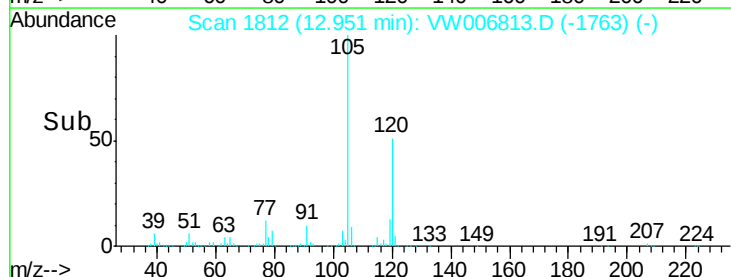
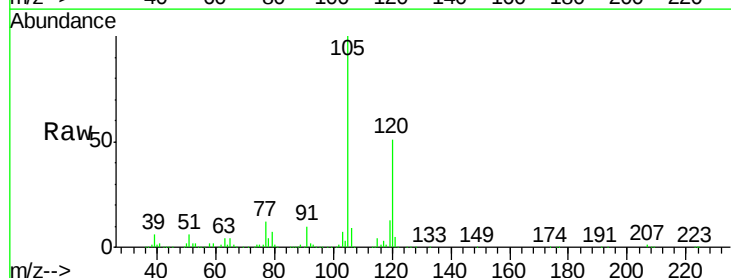
apatel

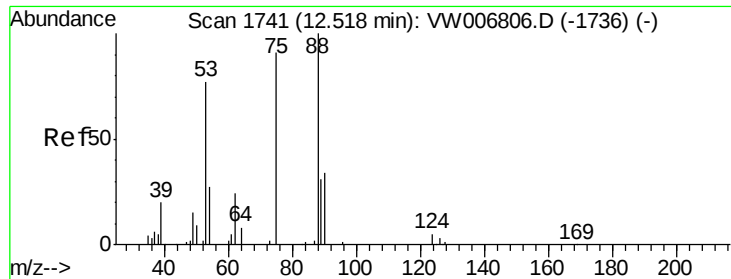
11/13/2018 3:55:42 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.353 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion: 105 Resp: 282720
Ion Ratio Lower Upper
105 100
120 50.4 25.3 75.9



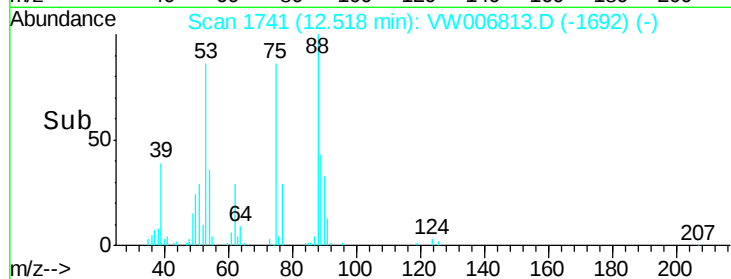
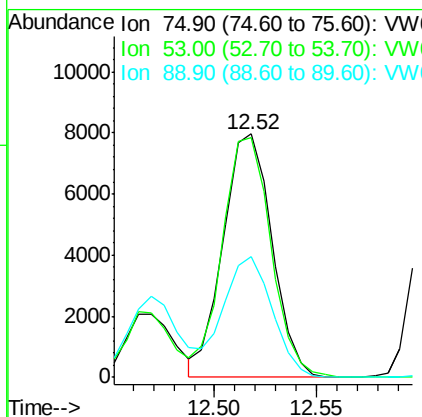
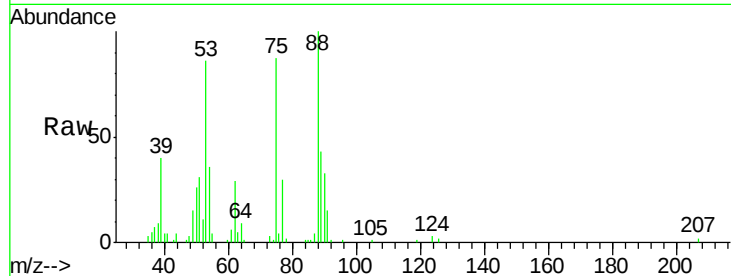


#81
trans-1,4-Dichloro-2-butene
Concen: 20.502 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

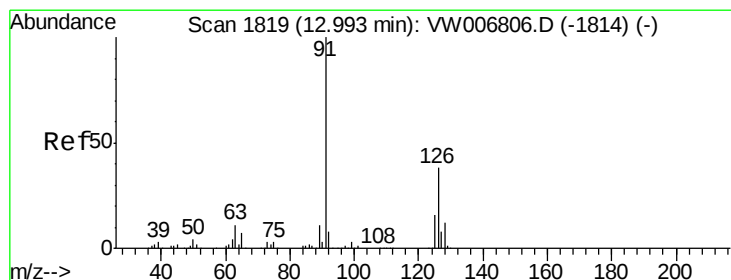
Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.9	72.9	109.3
89	48.9	38.7	58.1

Manual Integrations
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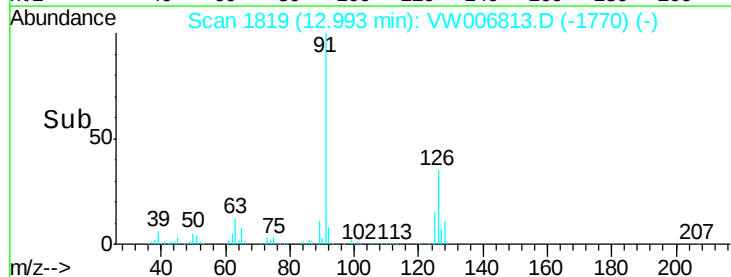
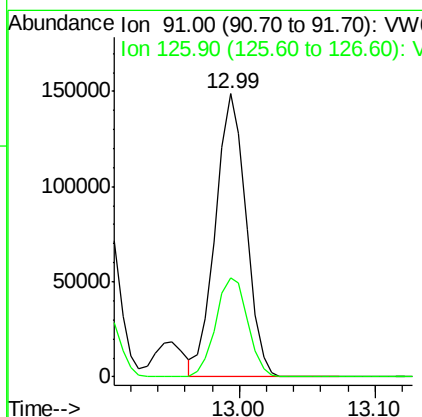
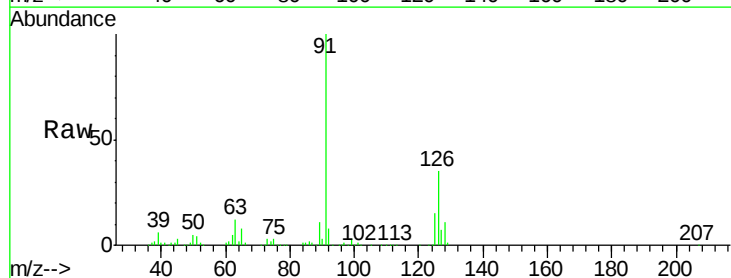
apatel

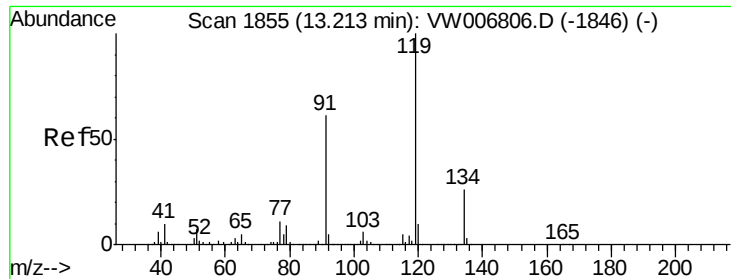
11/13/2018 3:55:42 PM



#82
4-Chlorotoluene
Concen: 21.277 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.4	55.2



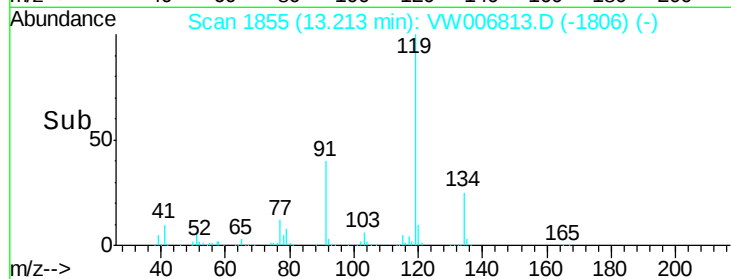
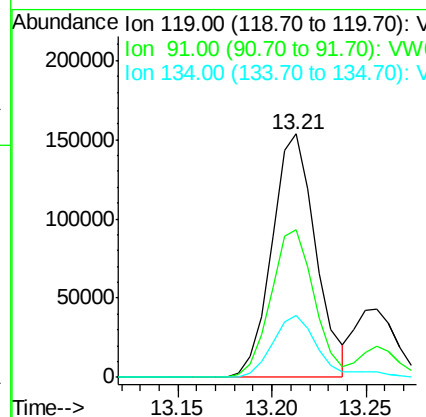
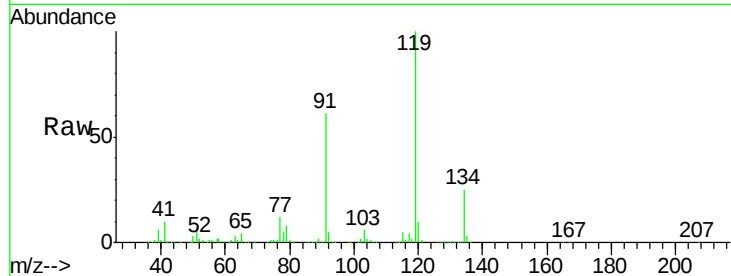


#83
 tert-Butylbenzene
 Concen: 21.119 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

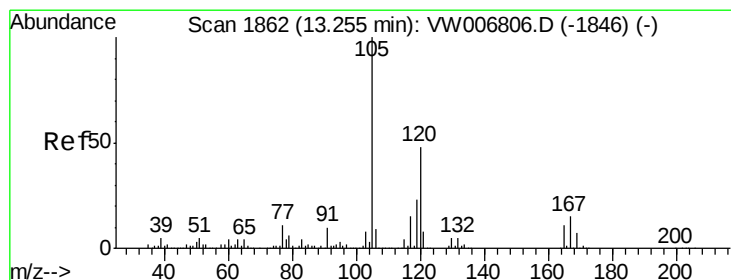
Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.0	90.1
134	27.0	13.4	40.2

Manual Integrations
 APPROVED



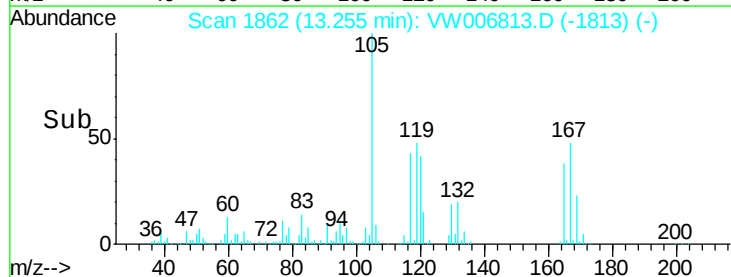
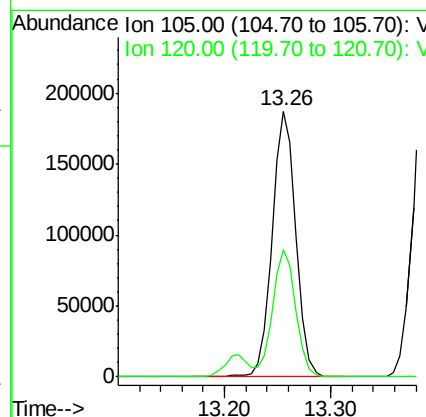
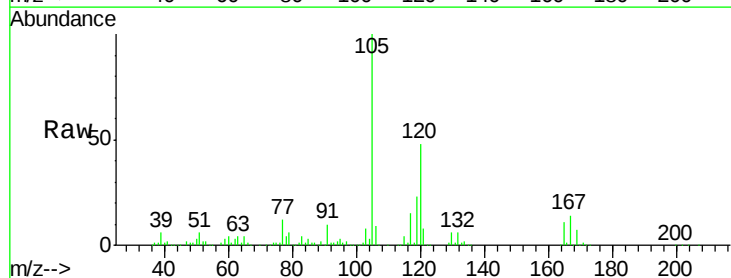
apatel

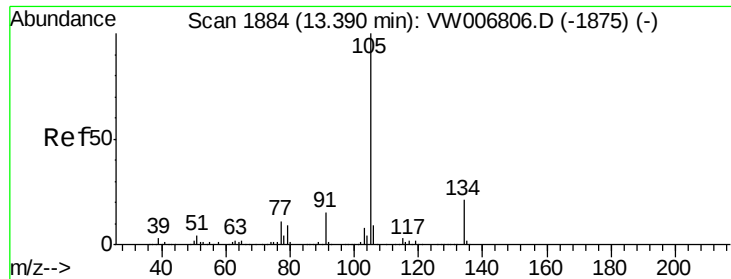
11/13/2018 3:55:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.434 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0



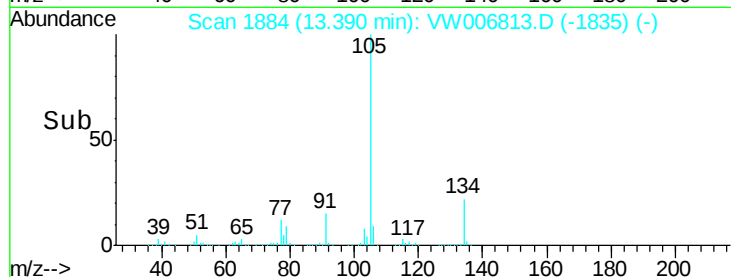
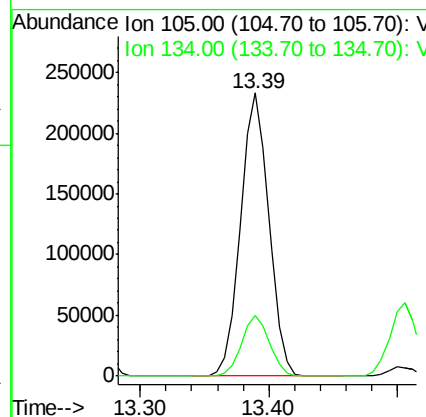
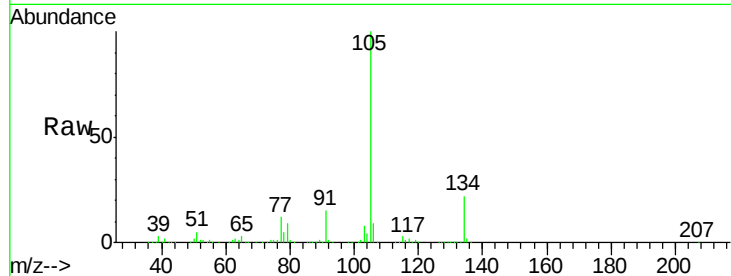


#85
 sec-Butylbenzene
 Concen: 21.308 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampled :
 VW1112SBS01

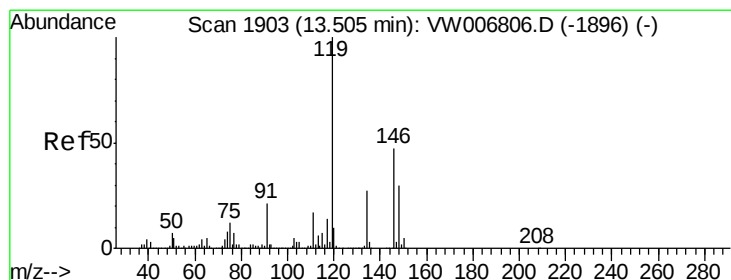
Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9

Manual Integrations
 APPROVED



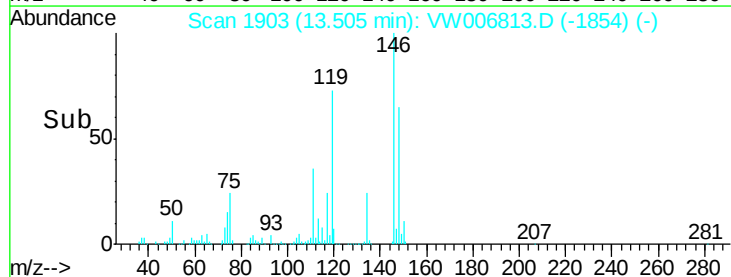
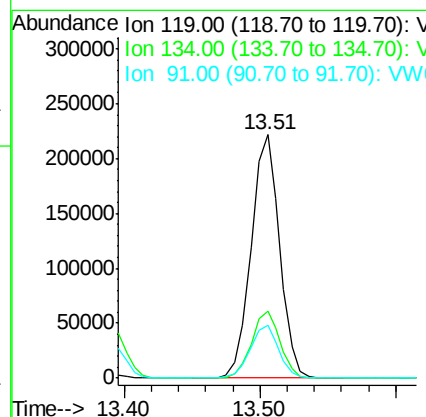
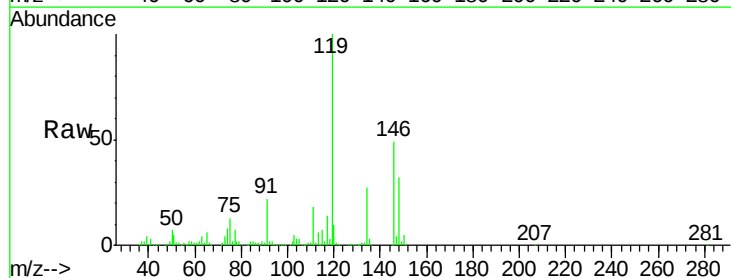
apatel

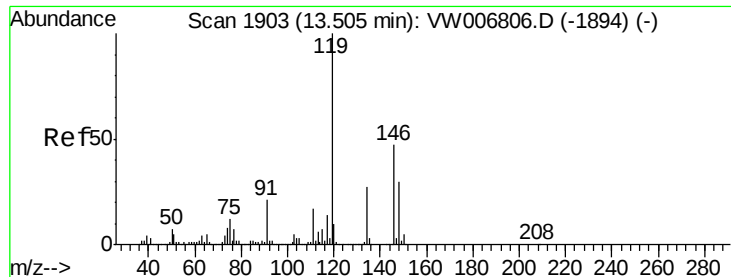
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#86
 p-Isopropyltoluene
 Concen: 21.436 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.4
91	21.8	10.8	32.4



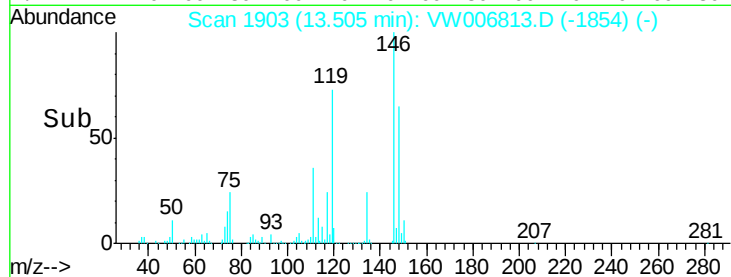
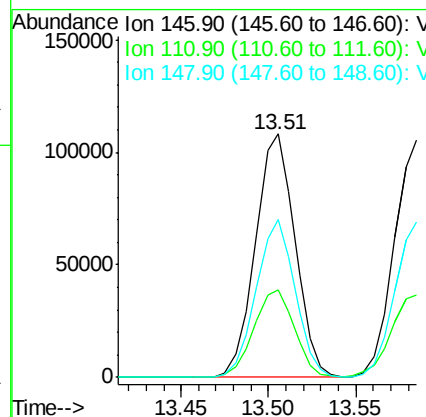
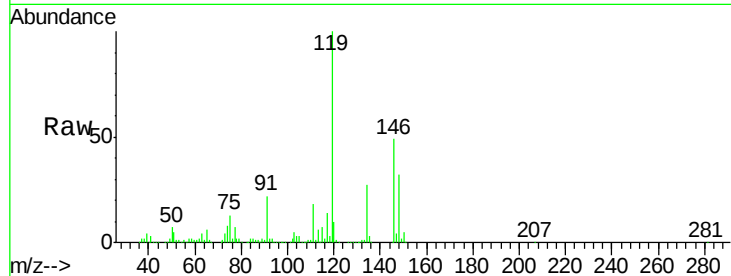


#87
 1,3-Dichlorobenzene
 Concen: 21.587 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

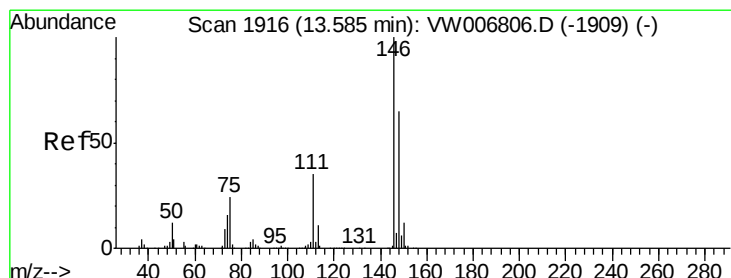
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	63.5	31.9	95.9

Manual Integrations
 APPROVED



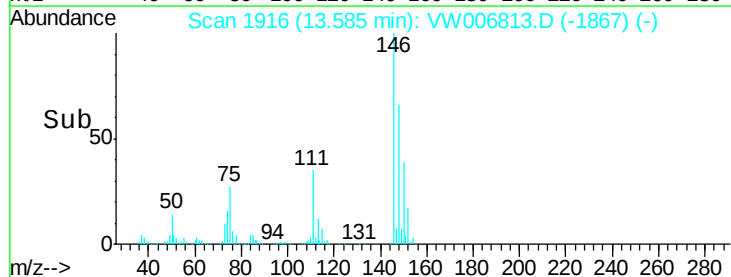
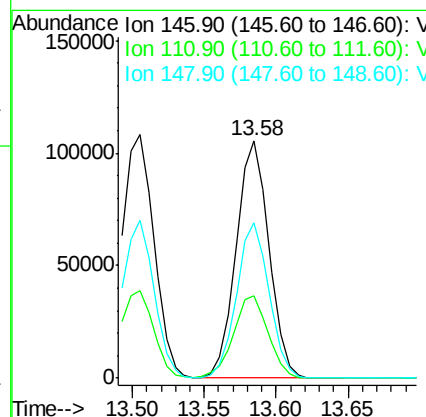
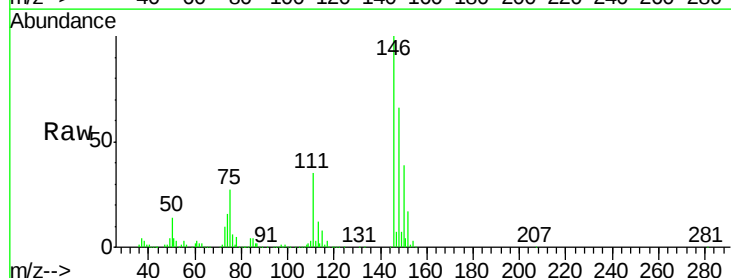
apatel

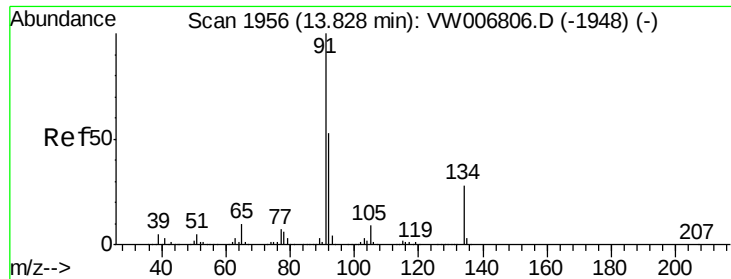
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#88
 1,4-Dichlorobenzene
 Concen: 21.431 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.8	53.3
148	65.0	32.0	96.0



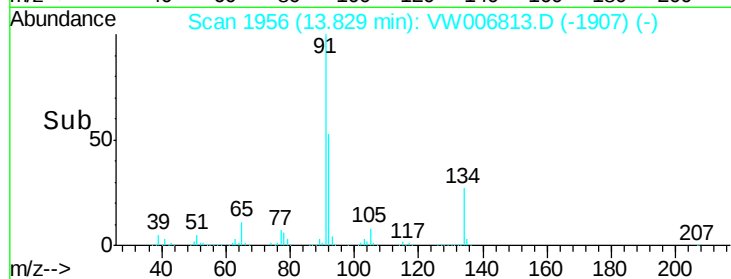
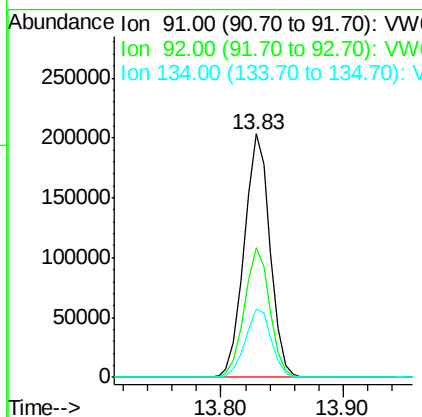
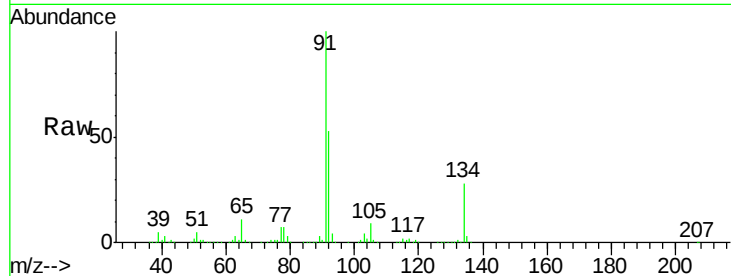


#89
n-Butylbenzene
Concen: 21.560 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

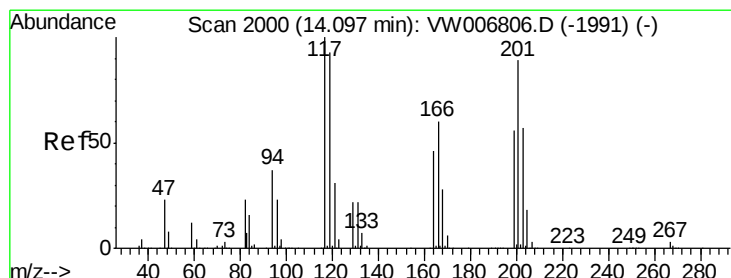
Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.4
134	28.5	14.4	43.2

Manual Integrations
APPROVED



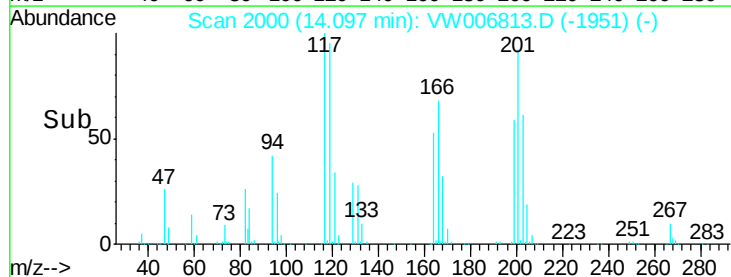
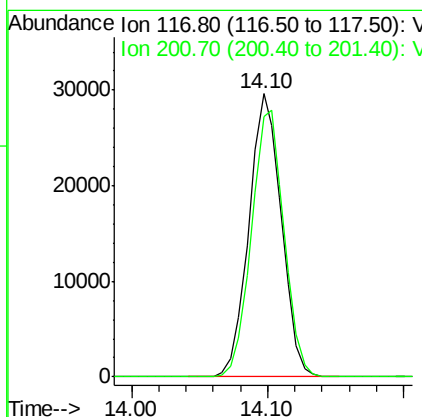
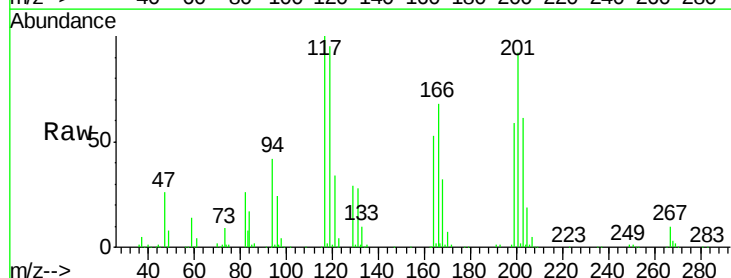
apatel

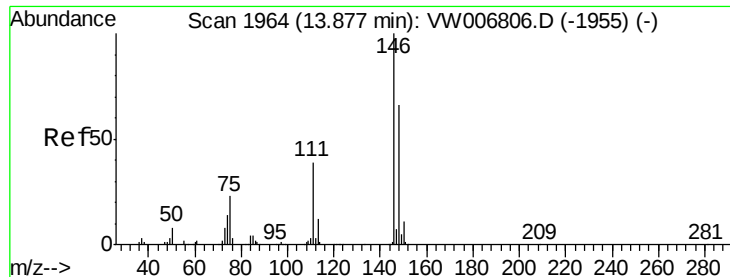
11/13/2018 3:55:42 PM



#90
Hexachloroethane
Concen: 20.487 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	46.9	140.6



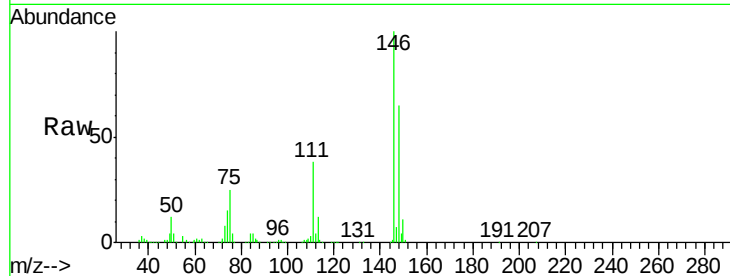


#91
 1,2-Dichlorobenzene
 Concen: 21.544 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

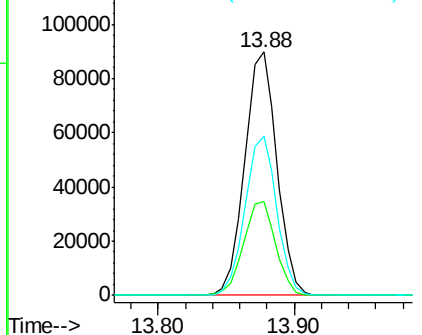
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	64.6	32.4	97.2

Manual Integrations
 APPROVED

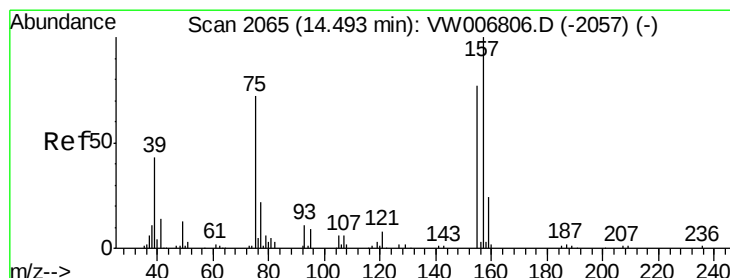
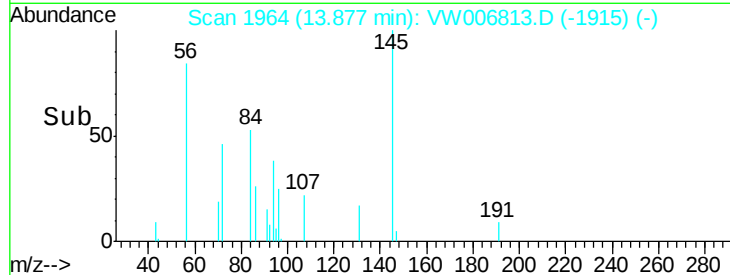


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



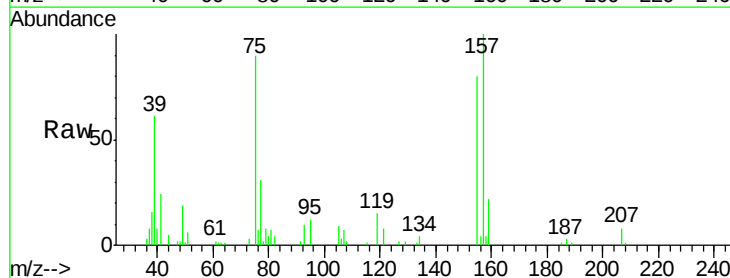
apatel

11/13/2018 3:55:42 PM

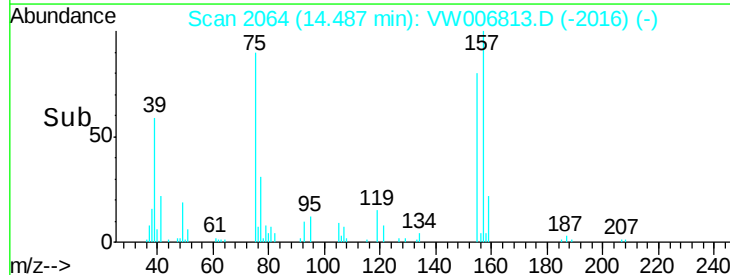
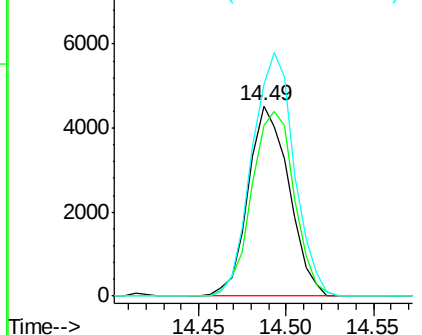


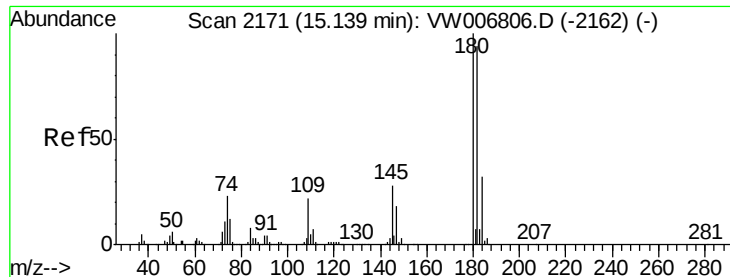
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.638 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	51.0	153.1
157	132.4	67.4	202.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



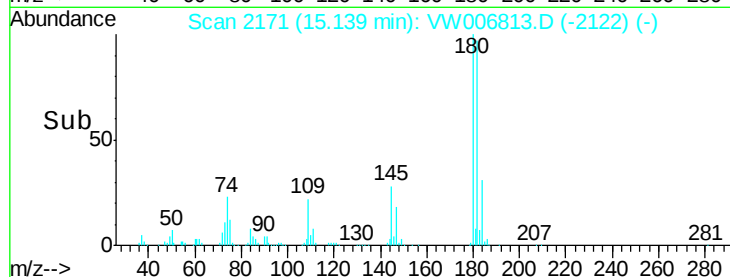
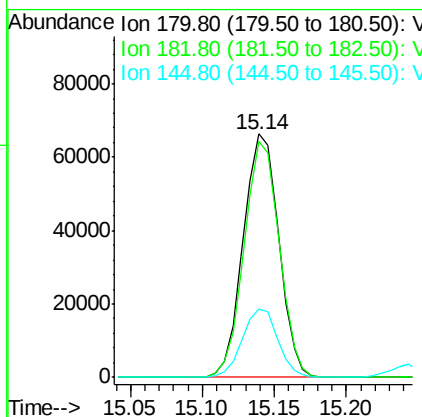
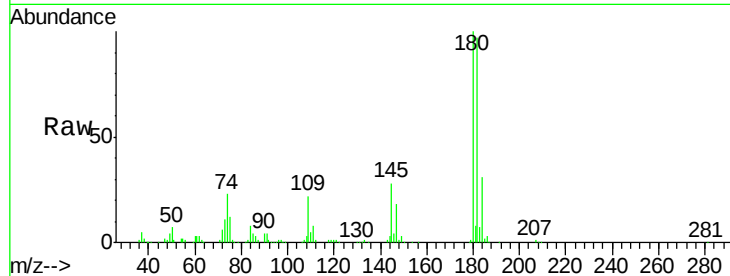


#93
 1,2,4-Trichlorobenzene
 Concen: 21.811 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

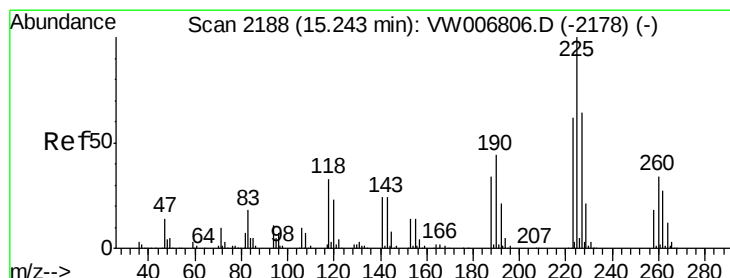
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113496		
182	95.6	47.5	142.5	
145	28.2	14.0	41.9	

Manual Integrations
 APPROVED



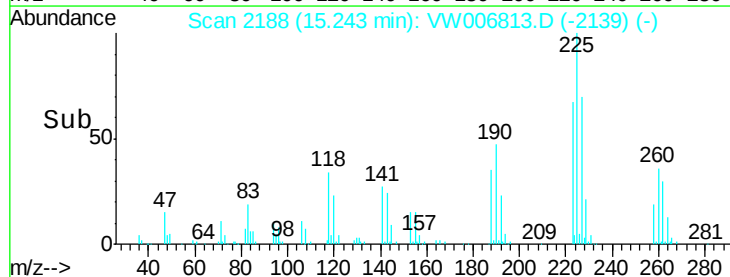
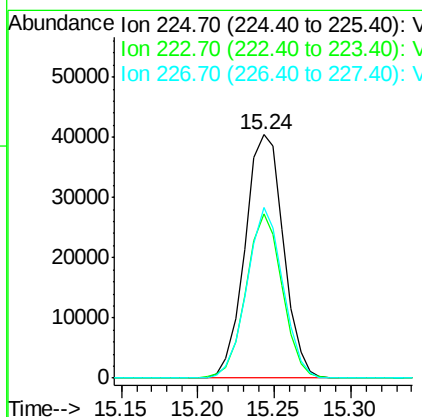
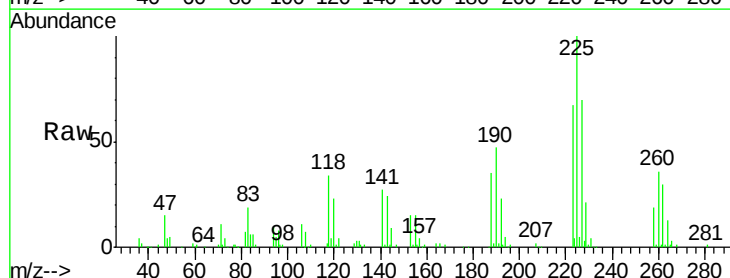
apatel

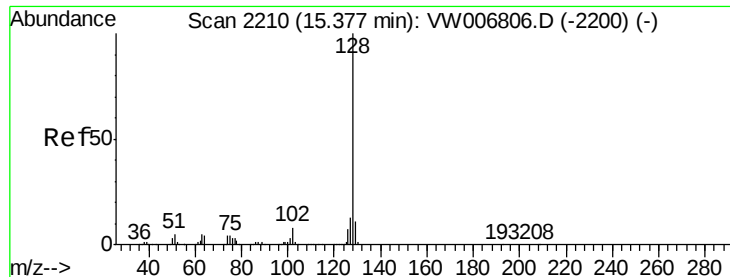
11/13/2018 3:55:42 PM



#94
 Hexachlorobutadiene
 Concen: 21.439 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006813.D
 Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70688		
223	63.3	31.2	93.6	
227	65.8	32.3	96.9	



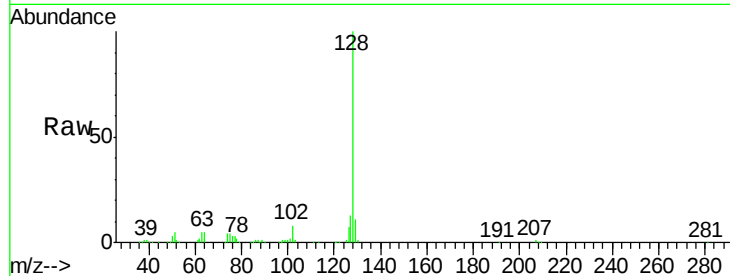


#95
Naphthalene
Concen: 21.612 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

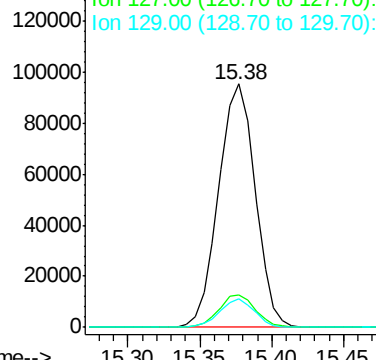
Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	168194		
127	13.1	10.3	15.5	
129	11.0	8.6	13.0	

Manual Integrations
APPROVED

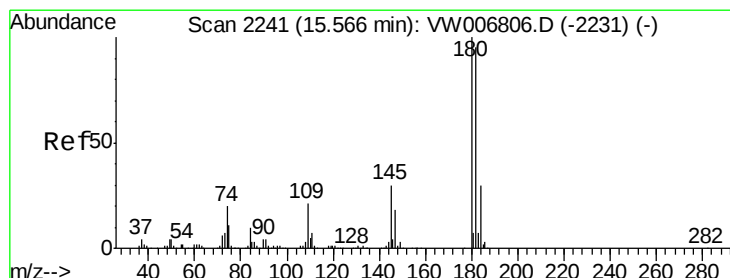
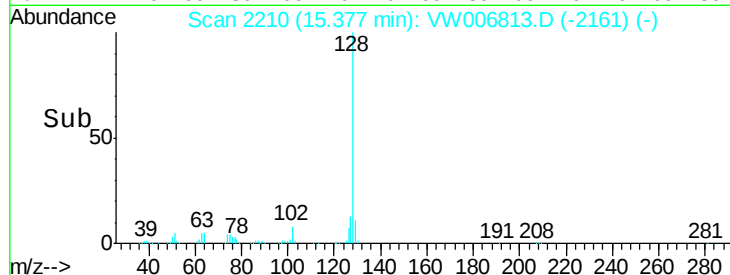


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



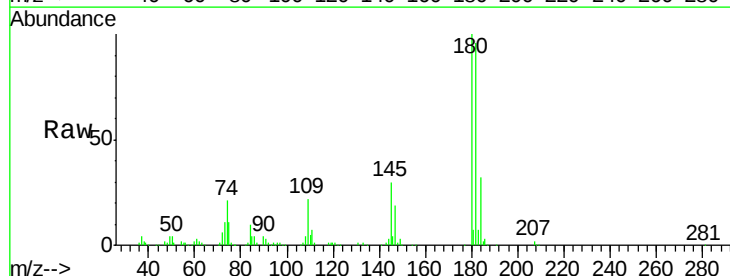
apatel

11/13/2018 3:55:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.597 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006813.D
Acq: 12 Nov 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96443		
182	95.5	47.9	143.6	
145	29.9	15.2	45.5	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

