

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\
 Data File : VW005064.D
 Acq On : 01 Sep 2018 04:52
 Operator : SY/AP
 Sample : VW0901SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Manual Integrations
 APPROVED

Quant Time: Sep 01 05:45:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	502709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	734362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	712464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	384908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	211782	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.89	113	213726	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.33	98	993899	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	352166	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	91142	22.50	ug/l	100
3) Chloromethane	2.21	50	121847	20.73	ug/l	98
4) Vinyl Chloride	2.36	62	121544	21.26	ug/l	99
5) Bromomethane	2.76	94	83699	21.23	ug/l	98
6) Chloroethane	2.92	64	73782	20.74	ug/l	99
7) Trichlorofluoromethane	3.26	101	136595	21.24	ug/l	95
8) Diethyl Ether	3.69	74	49567	21.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	95018	21.51	ug/l	100
10) Methyl Iodide	4.28	142	118806	20.44	ug/l	100
11) Tert butyl alcohol	5.17	59	35087	147.14	ug/l	96
12) 1,1-Dichloroethene	4.04	96	86783	21.35	ug/l	98
13) Acrolein	3.90	56	28017	103.58	ug/l	100
14) Allyl chloride	4.67	41	132314	20.82	ug/l	99
15) Acrylonitrile	5.38	53	102778	104.73	ug/l	99
16) Acetone	4.13	43	87465	104.66	ug/l	100
17) Carbon Disulfide	4.38	76	290210	20.49	ug/l	100
18) Methyl Acetate	4.68	43	59632	24.26	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	217758	22.06	ug/l	98
20) Methylene Chloride	4.92	84	135451	21.80	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	103533	20.90	ug/l	96
22) Diisopropyl ether	6.32	45	286701	21.44	ug/l	98
23) Vinyl Acetate	6.26	43	744518	106.01	ug/l	99
24) 1,1-Dichloroethane	6.23	63	174036	20.82	ug/l	99
25) 2-Butanone	7.18	43	156582	108.02	ug/l	100
26) 2,2-Dichloropropane	7.17	77	140349	20.43	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	112862	20.83	ug/l	99
28) Bromochloromethane	7.52	49	67037	19.93	ug/l	99
29) Tetrahydrofuran	7.54	42	79360	107.15	ug/l	100
30) Chloroform	7.68	83	175031	20.52	ug/l	96
31) Cyclohexane	7.96	56	180084	22.00	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	158746	21.37	ug/l	99
36) 1,1-Dichloropropene	8.09	75	153634	21.97	ug/l	98
37) Ethyl Acetate	7.26	43	55444	21.20	ug/l	99
38) Carbon Tetrachloride	8.07	117	142882	21.49	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	182789	21.61	ug/l	98
40) Benzene	8.33	78	446343	20.85	ug/l	99
41) Methacrylonitrile	7.49	41	35067	23.14	ug/l	96
42) 1,2-Dichloroethane	8.40	62	109303	20.86	ug/l	100
43) Isopropyl Acetate	8.43	43	98826	20.76	ug/l	98
44) Trichloroethene	9.10	130	122016	21.12	ug/l	99
45) 1,2-Dichloropropane	9.37	63	109659	20.96	ug/l	99
46) Dibromomethane	9.46	93	52294	20.91	ug/l	99
47) Bromodichloromethane	9.65	83	133341	21.17	ug/l	98
48) Methyl methacrylate	9.44	41	47244	20.61	ug/l	98
49) 1,4-Dioxane	9.46	88	16690	412.64	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	333453	104.54	ug/l	99
52) Toluene	10.40	92	305001	21.02	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	129129	20.87	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	160427	21.32	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	80072	20.68	ug/l	98
56) Ethyl methacrylate	10.65	69	92004	20.82	ug/l	99
57) 1,3-Dichloropropane	10.94	76	134626	21.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	220867	105.50	ug/l	99
59) 2-Hexanone	10.98	43	222904	103.32	ug/l	99
60) Dibromochloromethane	11.13	129	90303	20.63	ug/l	100
61) 1,2-Dibromoethane	11.24	107	73815	21.11	ug/l	99
64) Tetrachloroethene	10.87	164	117924	21.10	ug/l	97
65) Chlorobenzene	11.66	112	331815	20.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	101574	20.72	ug/l	100
67) Ethyl Benzene	11.74	91	567198	20.92	ug/l	100
68) m/p-Xylenes	11.85	106	462682	42.62	ug/l	100
69) o-Xylene	12.17	106	212857	21.21	ug/l	98
70) Styrene	12.19	104	348148	21.00	ug/l	99
71) Bromoform	12.35	173	54280	20.89	ug/l	# 100
73) Isopropylbenzene	12.47	105	565101	20.82	ug/l	99
74) N-amyl acetate	12.28	43	93335	19.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	87049	21.07	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57174m	19.79	ug/l	
77) Bromobenzene	12.76	156	137858	20.61	ug/l	100
78) n-propylbenzene	12.81	91	699296	21.34	ug/l	100
79) 2-Chlorotoluene	12.90	91	399691	20.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	500267	21.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23890	19.90	ug/l	97
82) 4-Chlorotoluene	12.99	91	419894	20.80	ug/l	100
83) tert-Butylbenzene	13.21	119	416038	21.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	505018	21.13	ug/l	100
85) sec-Butylbenzene	13.39	105	611867	21.24	ug/l	100
86) p-Isopropyltoluene	13.51	119	540717	21.21	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	284872	20.74	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	282150	20.71	ug/l	99
89) n-Butylbenzene	13.83	91	491480	20.80	ug/l	100
90) Hexachloroethane	14.10	117	86592	20.45	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	249925	20.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13376	20.72	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	166503	20.74	ug/l	100
94) Hexachlorobutadiene	15.24	225	104643	20.96	ug/l	99
95) Naphthalene	15.38	128	257468	21.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	141341	20.57	ug/l	99

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

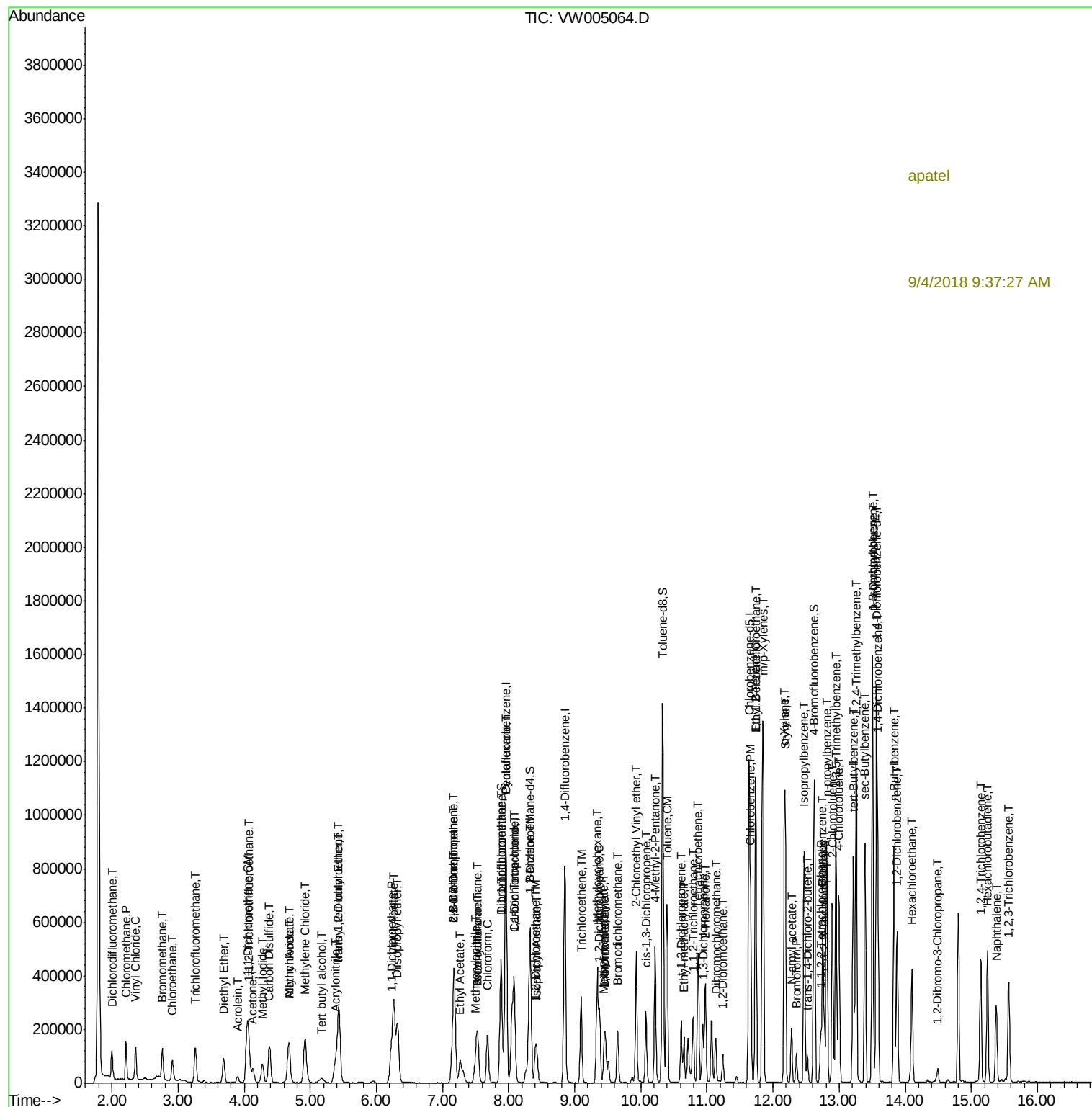
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090118\
Data File : VW005064.D
Acq On : 01 Sep 2018 04:52
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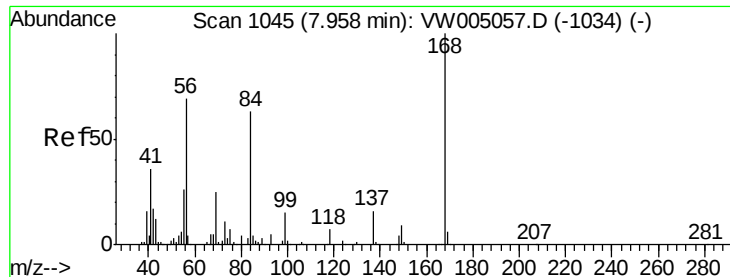
Manual Integrations
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Quant Time: Sep 01 05:45:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

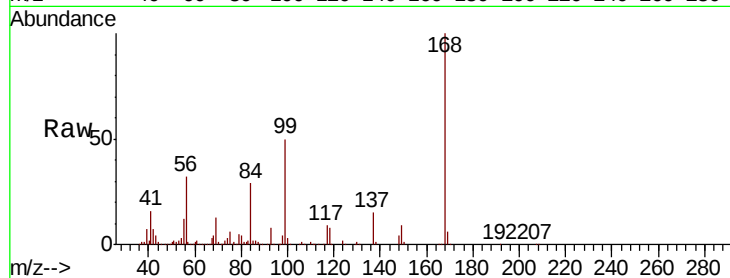
Tot Ion:168 Resp: 502709

Ion Ratio Lower Upper

168 100

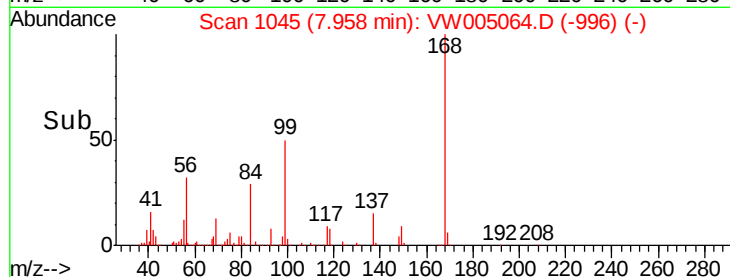
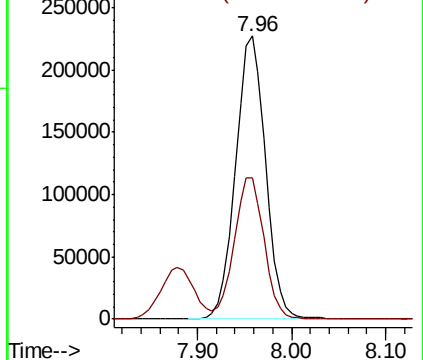
99 49.6 39.4 59.0

Manual Integrations
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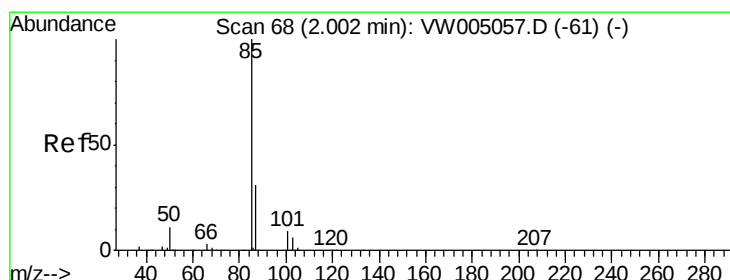
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



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#2

Dichlorodifluoromethane

Concen: 22.50 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW005064.D

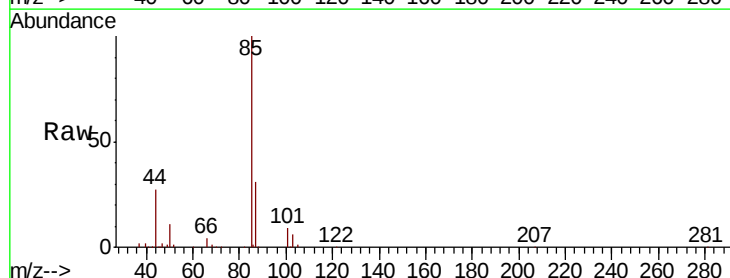
Acq: 01 Sep 2018 04:52

Tgt Ion: 85 Resp: 91142

Ion Ratio Lower Upper

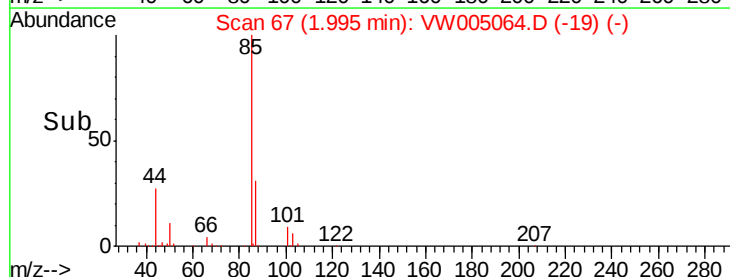
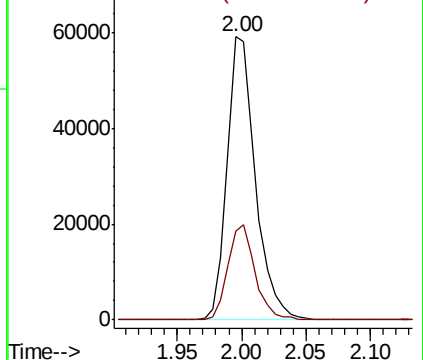
85 100

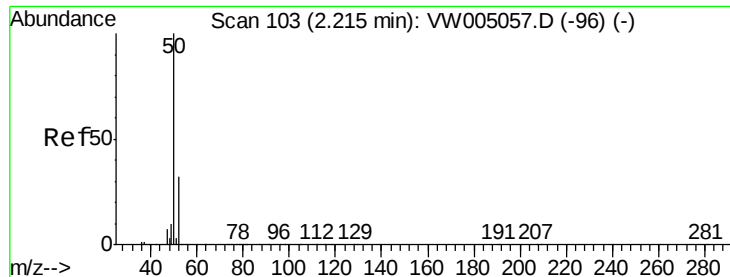
87 31.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.73 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

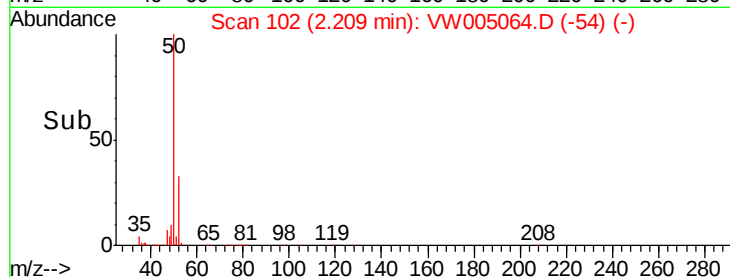
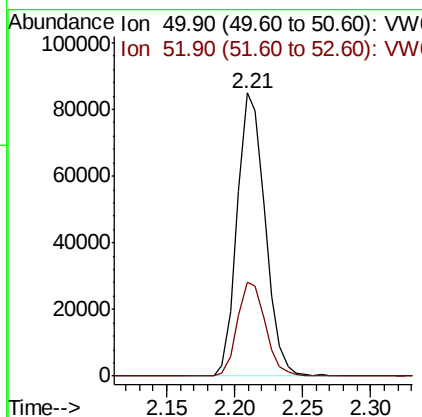
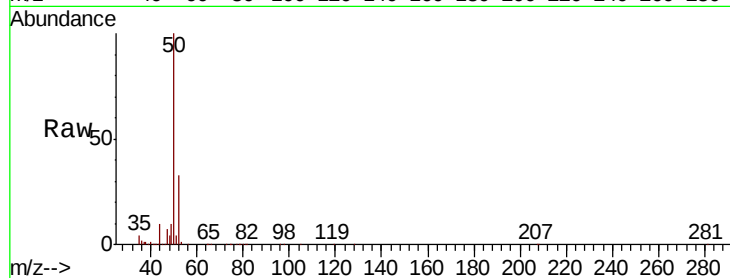
Tot Ion: 50 Resp: 121847

Ion Ratio Lower Upper

50 100

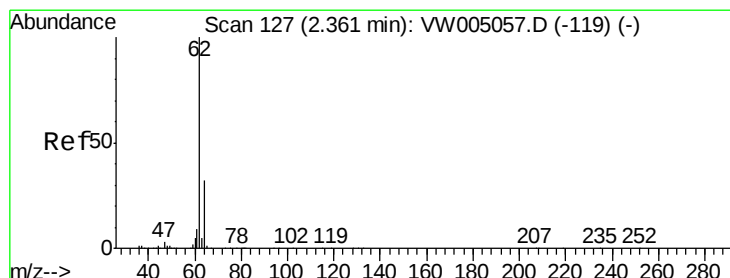
52 33.3 25.8 38.6

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#4

Vinyl Chloride

Concen: 21.26 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW005064.D

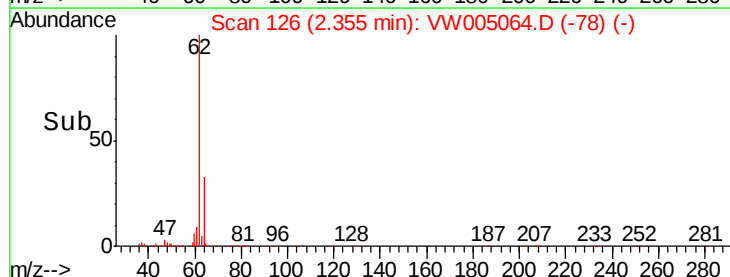
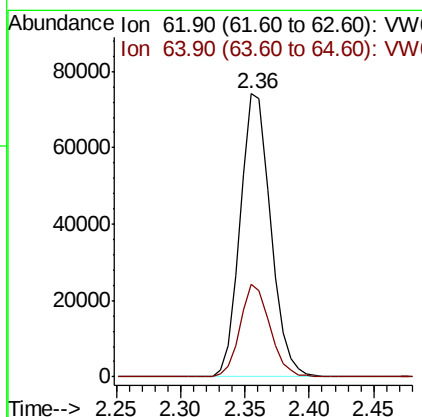
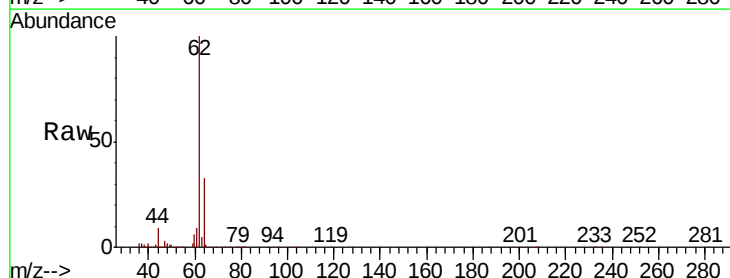
Acq: 01 Sep 2018 04:52

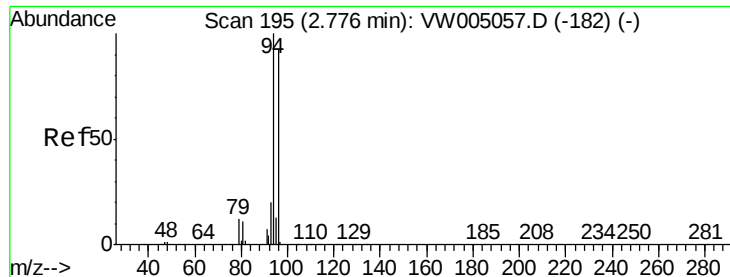
Tgt Ion: 62 Resp: 121544

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 21.23 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Tot Ion: 94 Resp: 83699

Ion Ratio Lower Upper

94 100

96 93.1 73.2 109.8

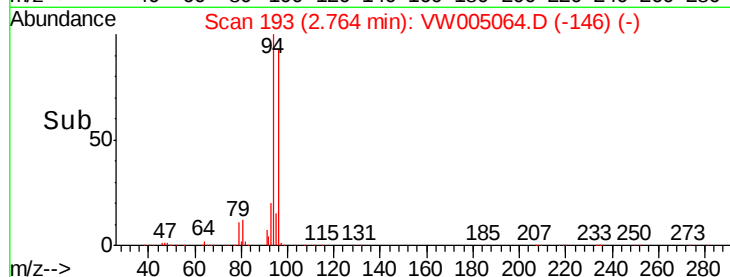
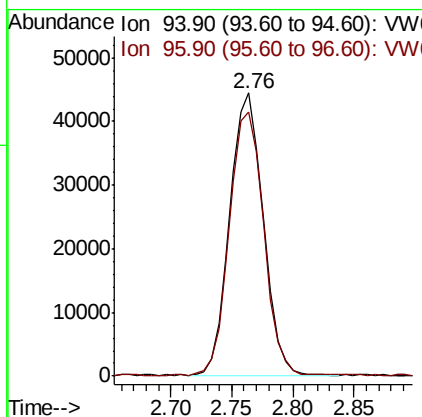
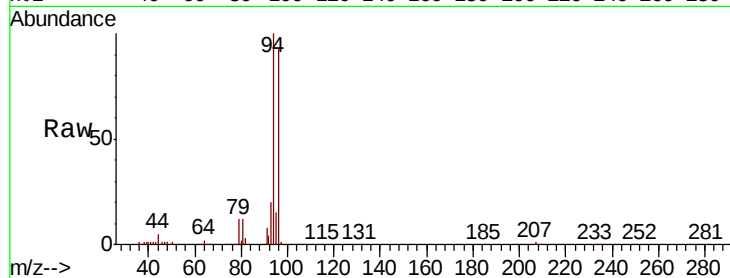
Instrument :

MSVOA_W

ClientSampleId :

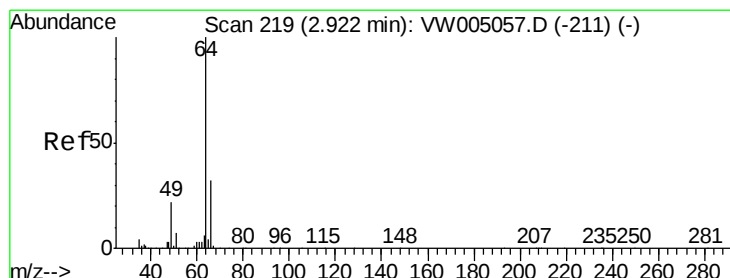
VW0901SBSD01

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#6

Chloroethane

Concen: 20.74 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005064.D

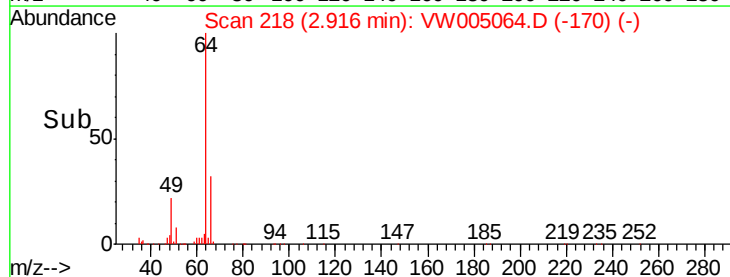
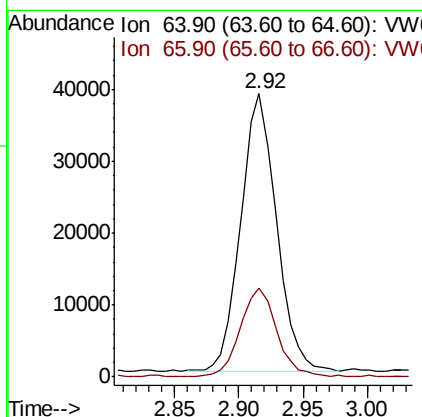
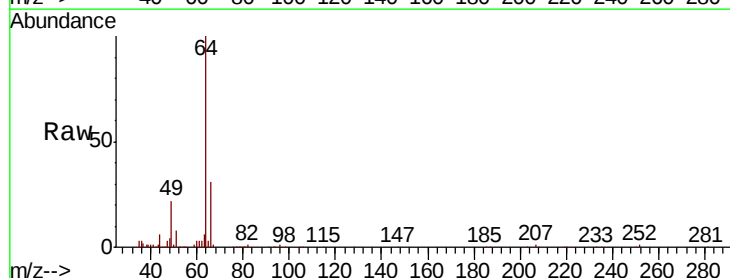
Acq: 01 Sep 2018 04:52

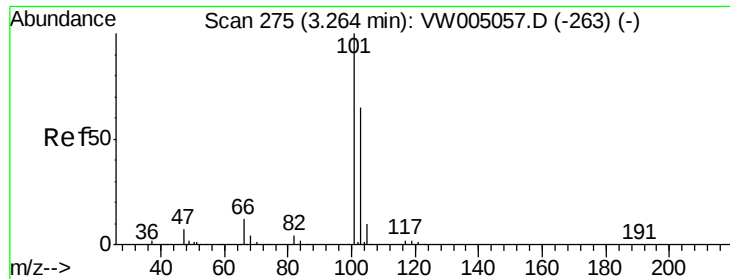
Tgt Ion: 64 Resp: 73782

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5





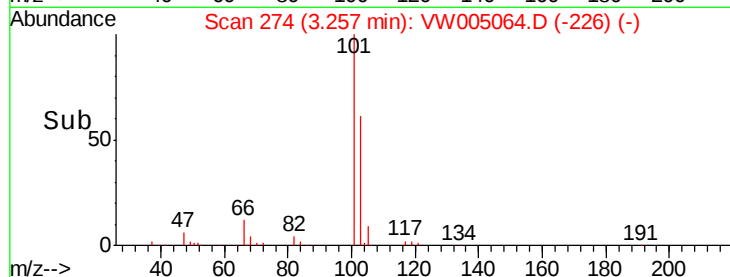
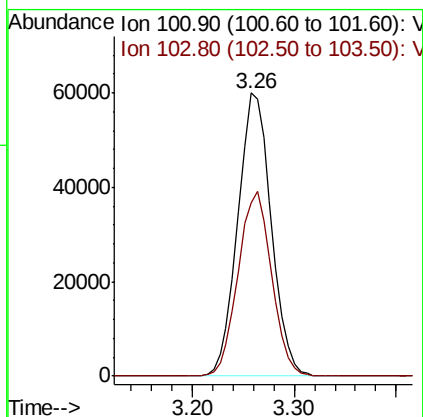
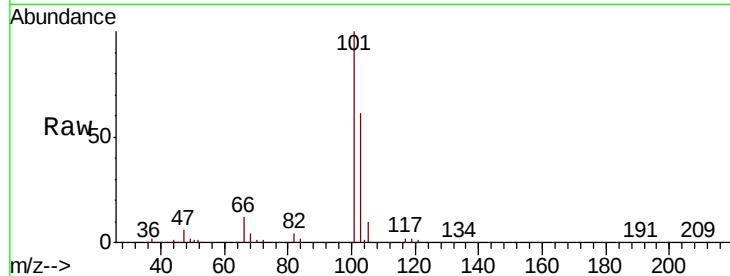
#7

Trichlorofluoromethane
Concen: 21.24 ug/l
RT: 3.26 min Scan# 274
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

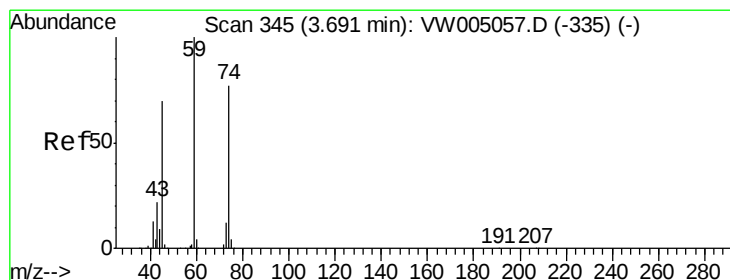
Tot Ion	Ratio	Resp	Lower	Upper
101	100	136595		
103	61.3	51.9	77.9	

Manual Integrations
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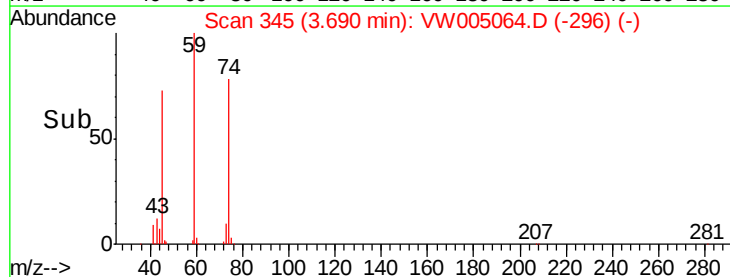
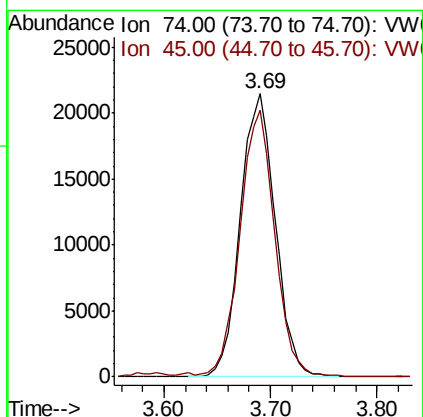
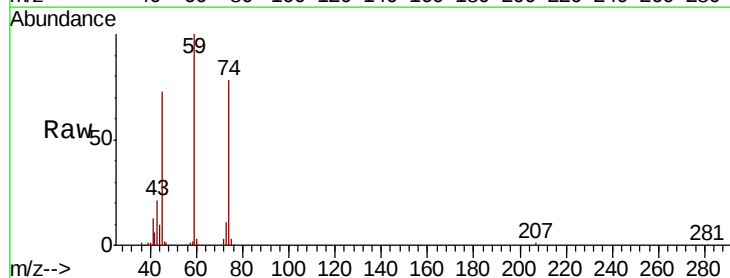
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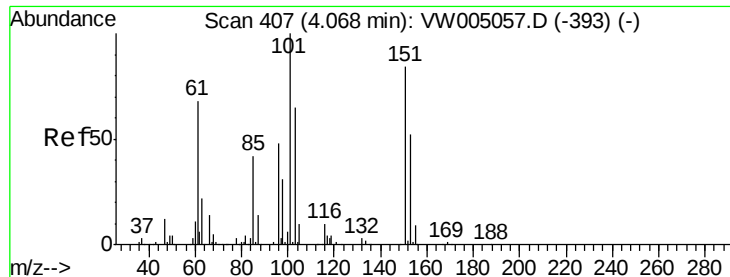


#8

Diethyl Ether
Concen: 21.30 ug/l
RT: 3.69 min Scan# 345
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49567		
45	93.9	46.0	137.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.51 ug/l

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

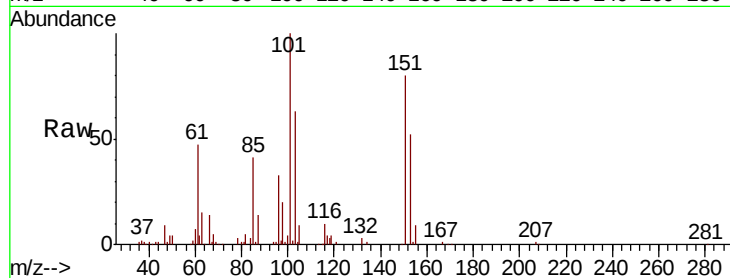
MSVOA_W

ClientSampleId :

VW0901SBSD01

Tot Ion:	101	Resp:	95018
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.0	49.6
151	83.6	67.0	100.6

Manual Integrations
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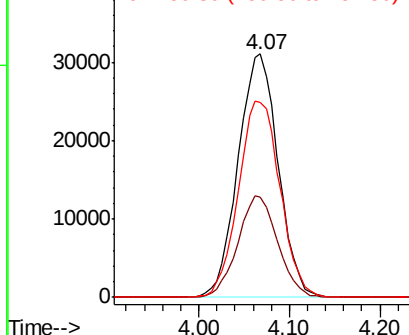


Abundance

Ion 100.90 (100.60 to 101.60): V

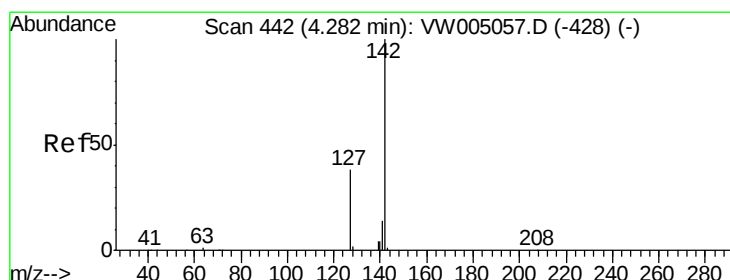
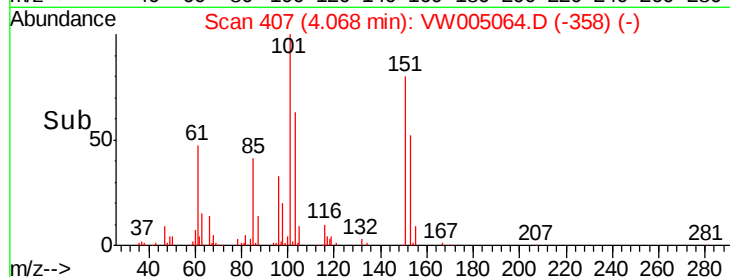
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



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9/4/2018 9:37:27 AM



#10

Methyl Iodide

Concen: 20.44 ug/l

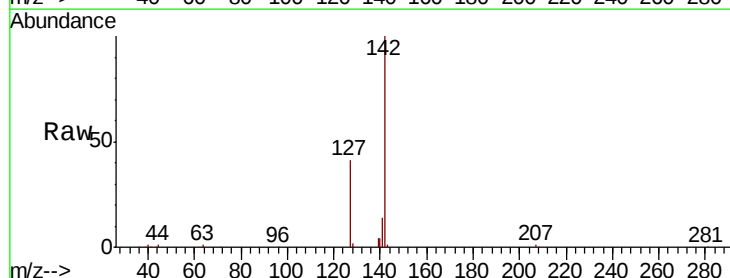
RT: 4.28 min Scan# 441

Delta R.T. -0.01 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Tgt Ion:	142	Resp:	118806
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.8	46.2
141	14.7	11.6	17.4

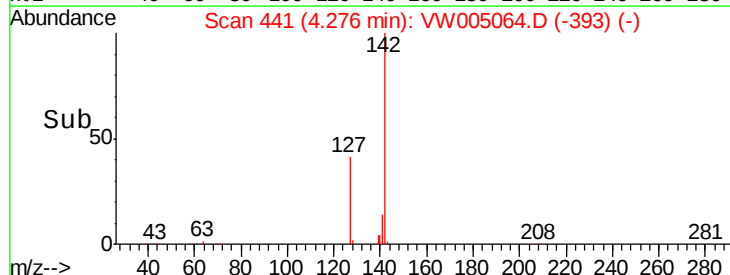
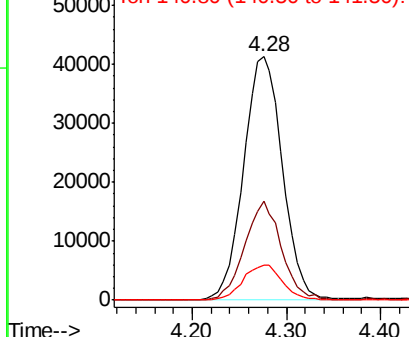


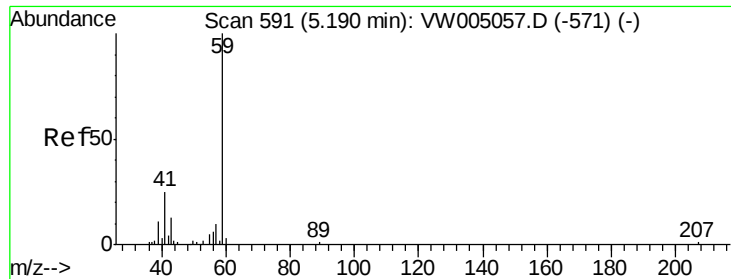
Abundance

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





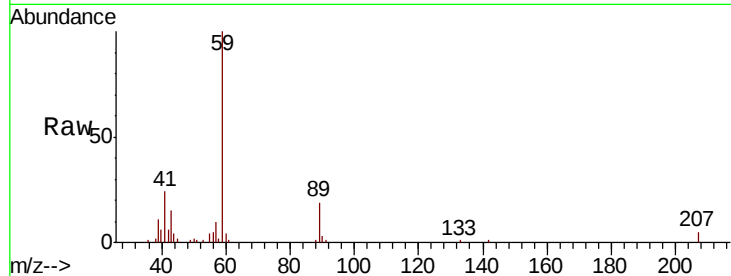
#11

Tert butyl alcohol
Concen: 147.14 ug/l
RT: 5.17 min Scan# 588
Delta R.T. -0.02 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

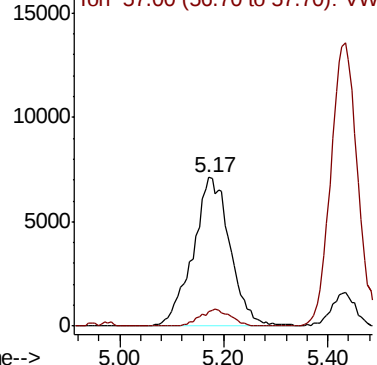
Instrument :
MSVOA_W
ClientSampled :
VW0901SBS01

Tot Ion	59	Resp	35087
Ion Ratio	100	Lower	Upper
57	9.2	8.6	12.8

Manual Integrations
APPROVED

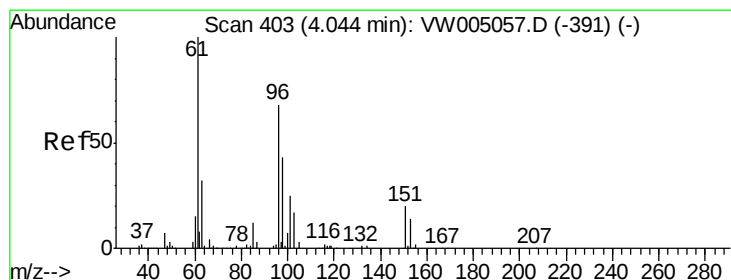
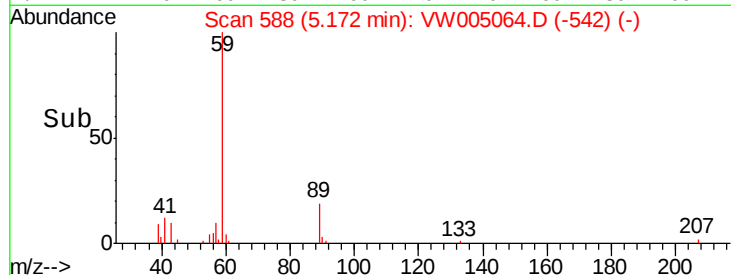


Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



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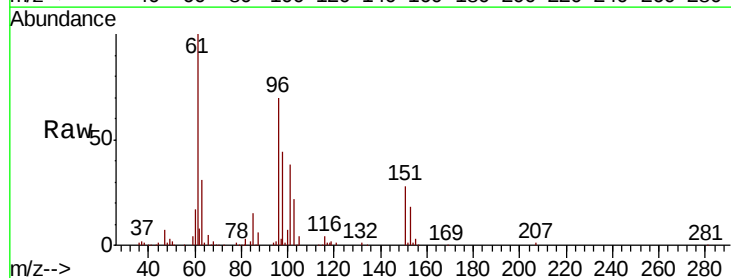
9/4/2018 9:37:27 AM



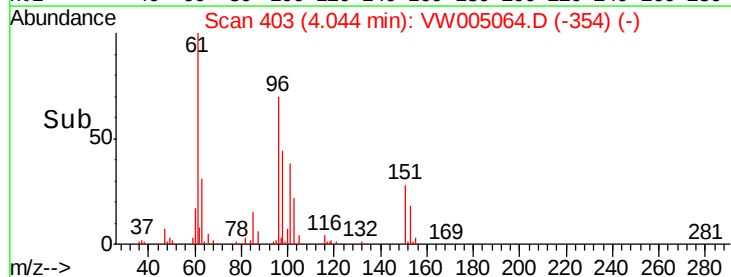
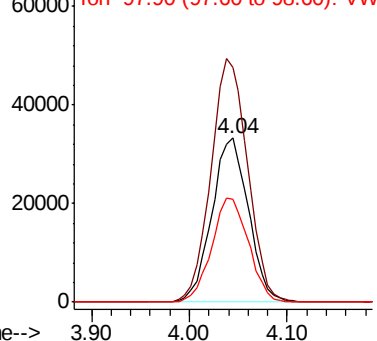
#12

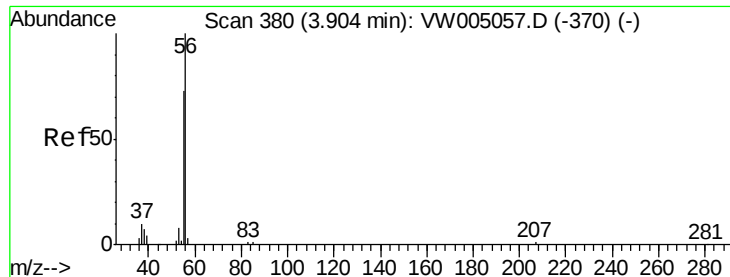
1,1-Dichloroethene
Concen: 21.35 ug/l
RT: 4.04 min Scan# 403
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	96	Resp	86783
Ion Ratio	100	Lower	Upper
61	143.4	117.4	176.0
98	62.6	51.0	76.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



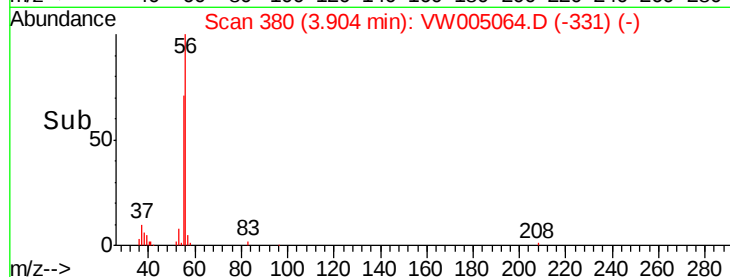
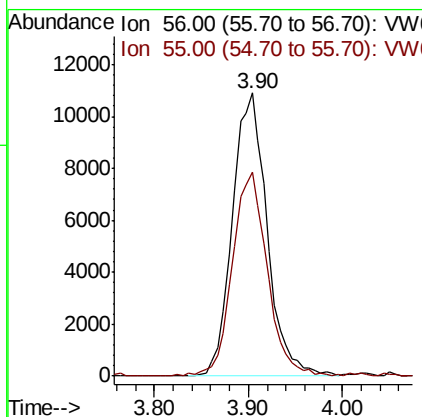
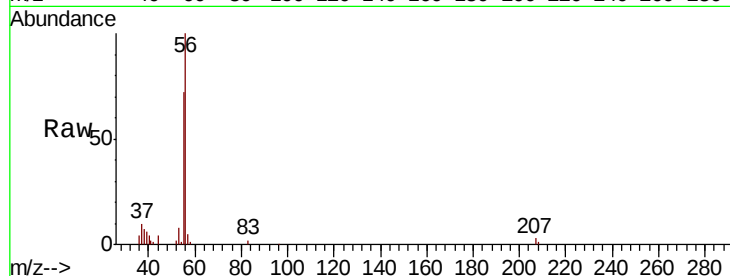


#13
Acrolein
Concen: 103.58 ug/l
RT: 3.90 min Scan# 380
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

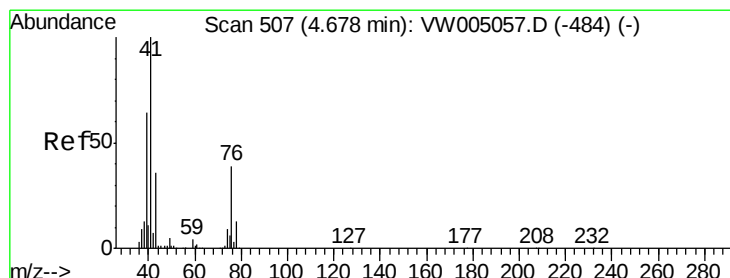
Tot Ion	56	Resp	28017
Ion Ratio	100	Lower	Upper
56	100		
55	72.5	58.1	87.1

Manual Integrations
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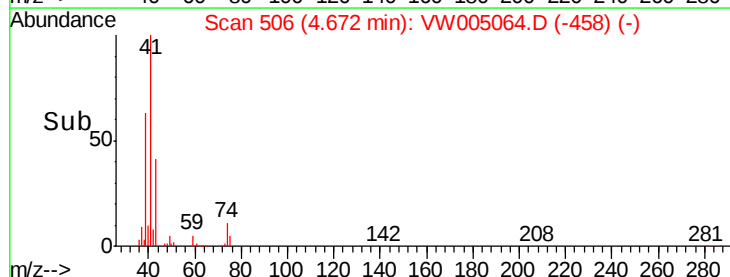
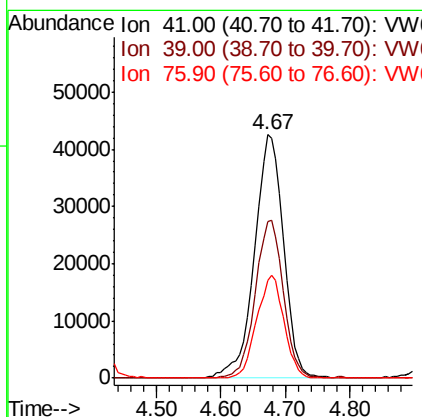
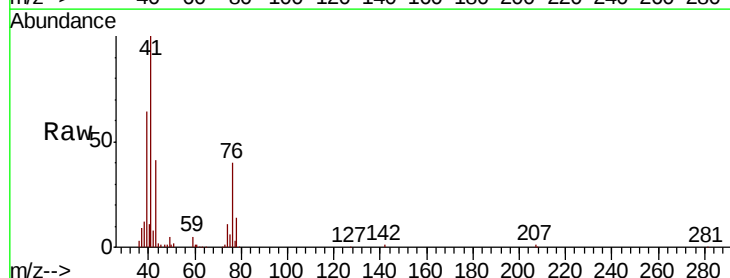
apatel

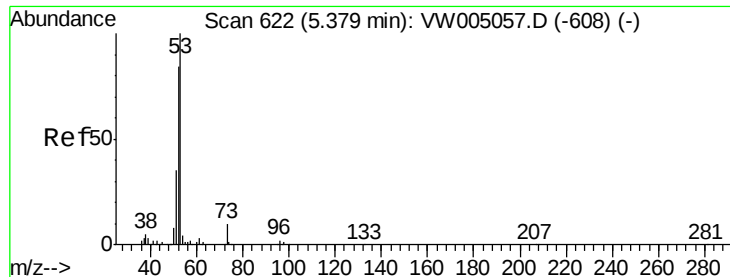
9/4/2018 9:37:27 AM



#14
Allyl chloride
Concen: 20.82 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	41	Resp	132314
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
41	100		
39	62.5	49.4	74.2
76	39.5	31.8	47.6





#15

Acrylonitrile

Concen: 104.73 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

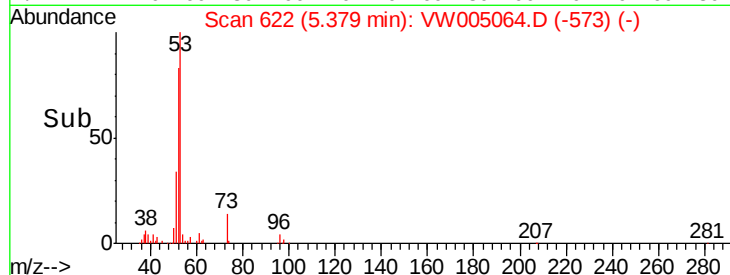
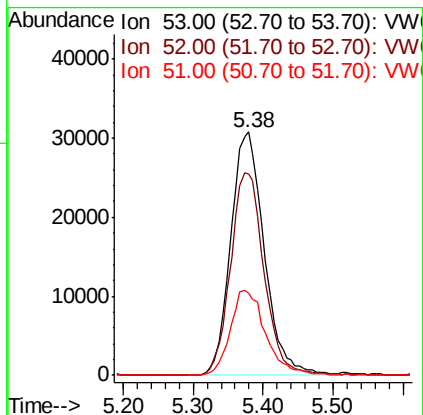
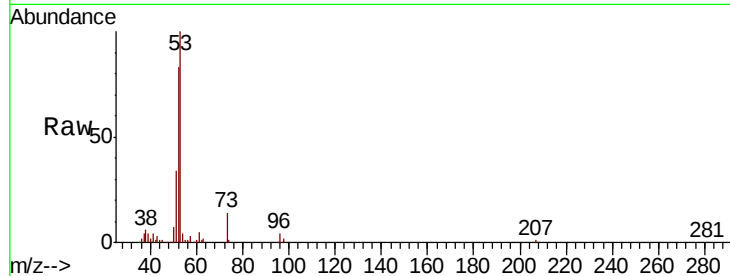
MSVOA_W

ClientSampleId :

VW0901SBSD01

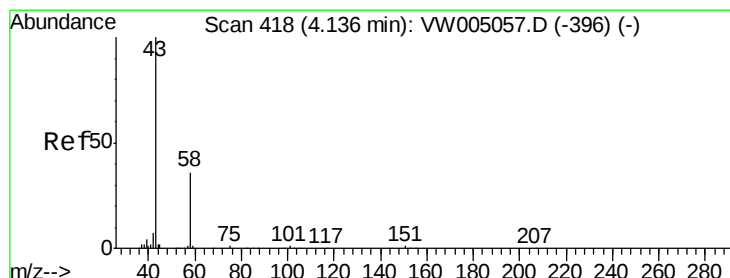
Tot Ion:	53	Resp:	102778
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.7	98.5
51	36.6	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 104.66 ug/l

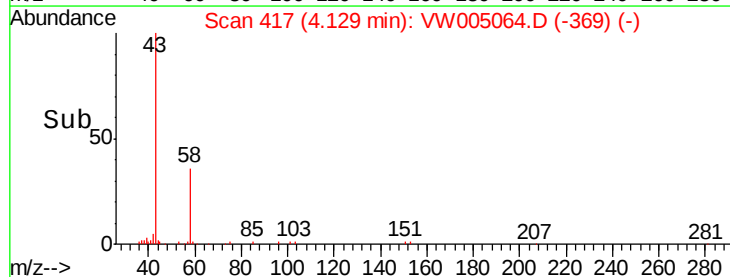
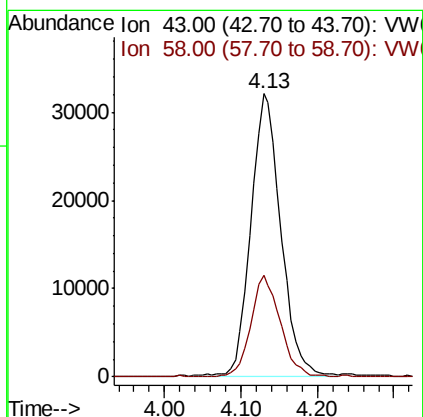
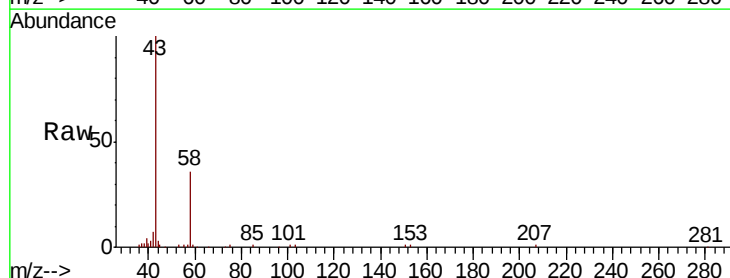
RT: 4.13 min Scan# 417

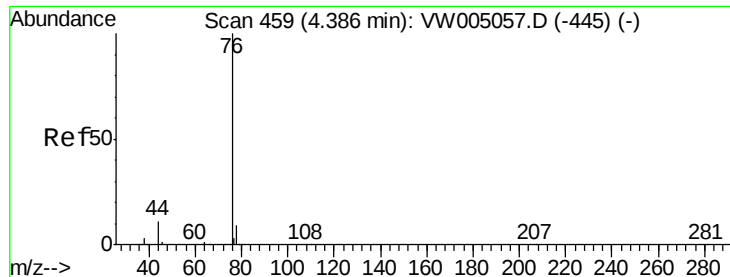
Delta R.T. -0.01 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Tgt Ion:	43	Resp:	87465
Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.0	43.6



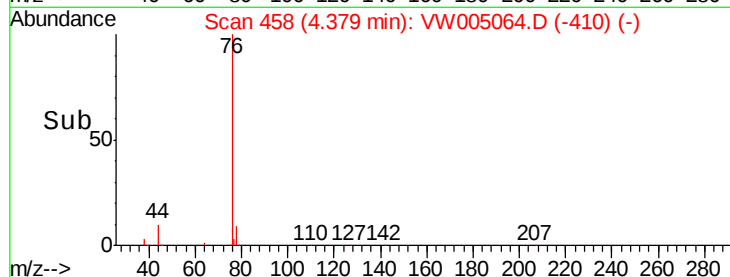
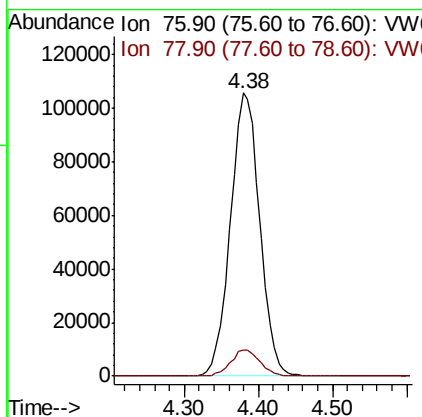
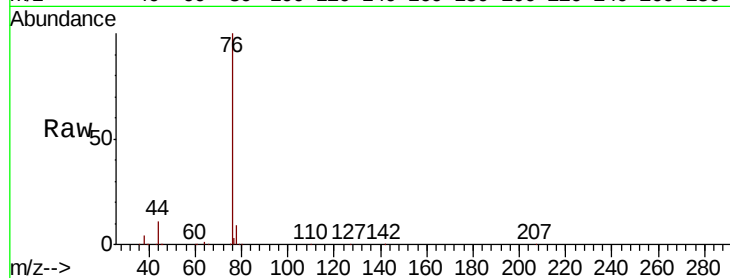


#17
Carbon Disulfide
Concen: 20.49 ug/l
RT: 4.38 min Scan# 458
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

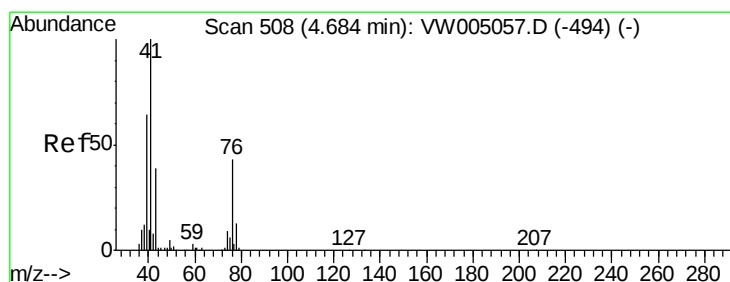
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

Manual Integrations
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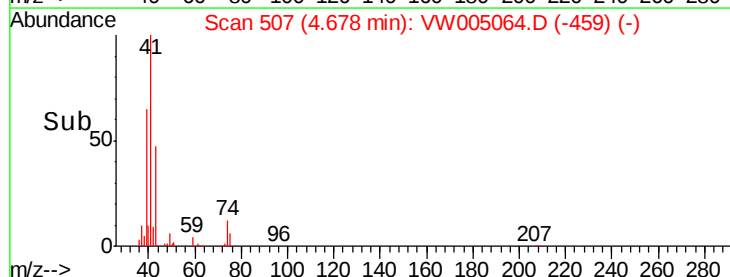
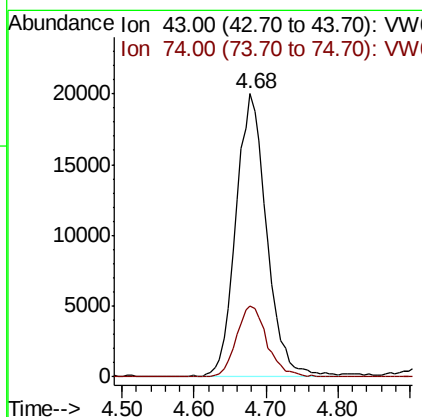
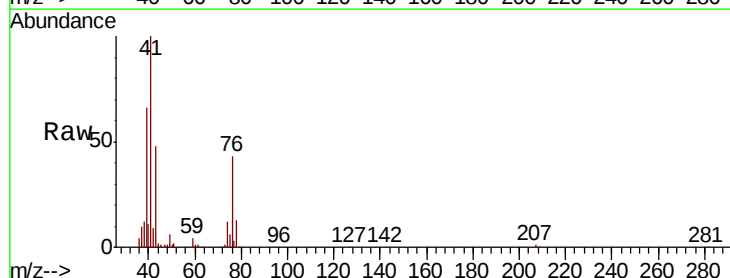
apatel

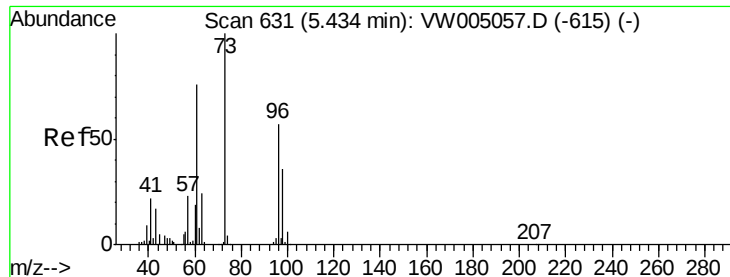
9/4/2018 9:37:27 AM



#18
Methyl Acetate
Concen: 24.26 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.7	31.1



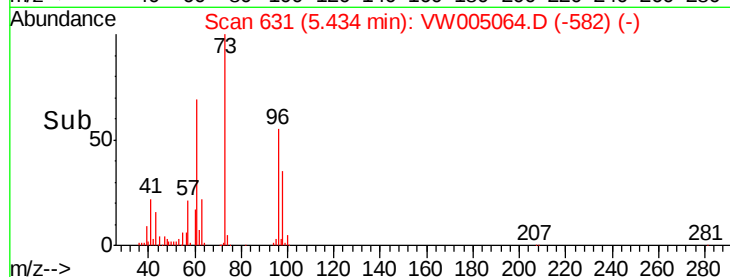
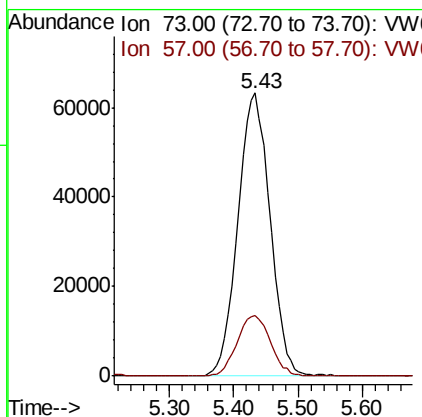
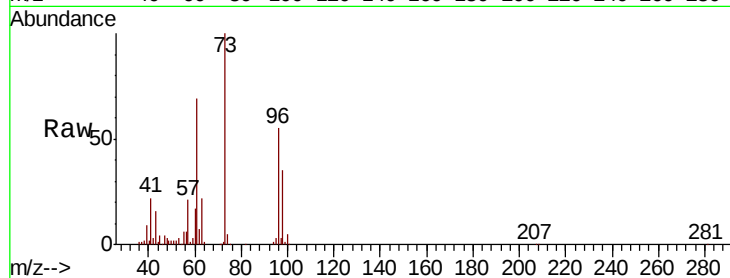


#19
Methvl tert-butvl Ether
Concen: 22.06 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

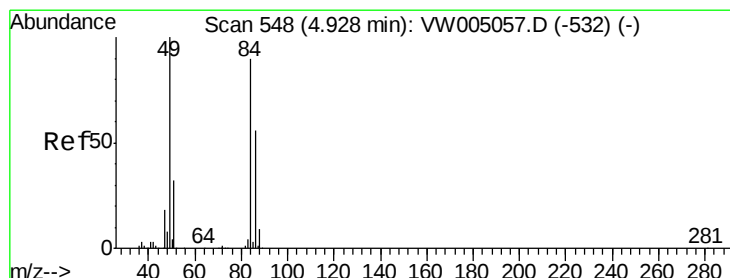
Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.1	27.1

Manual Integrations
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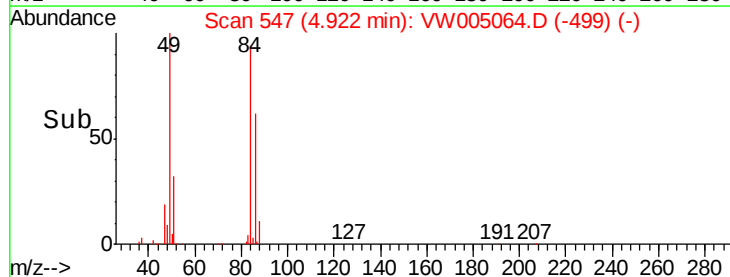
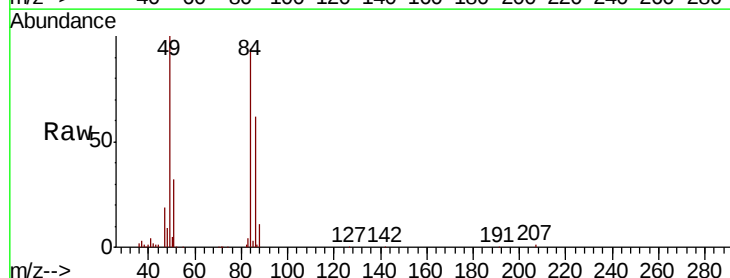
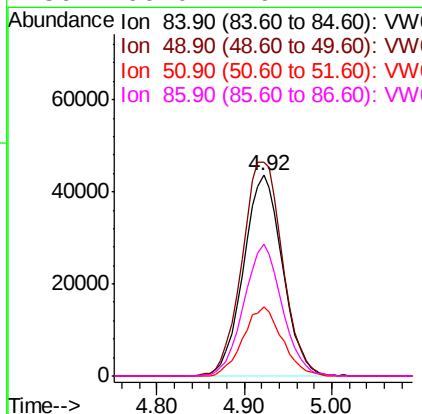
apatel

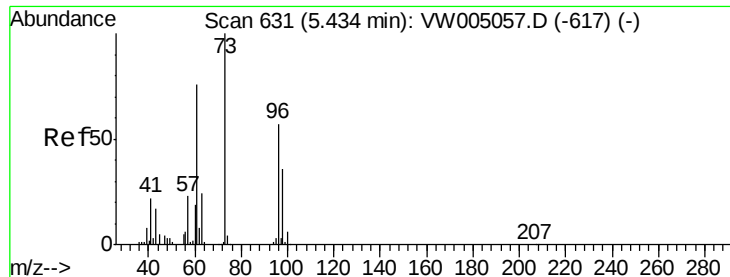
9/4/2018 9:37:27 AM



#20
Methylene Chloride
Concen: 21.80 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.4	88.7	133.1
51	34.3	28.6	42.8
86	66.0	49.4	74.2



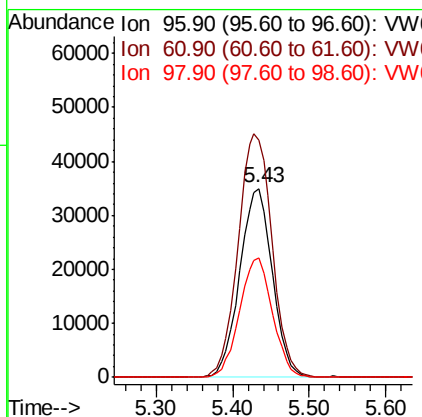
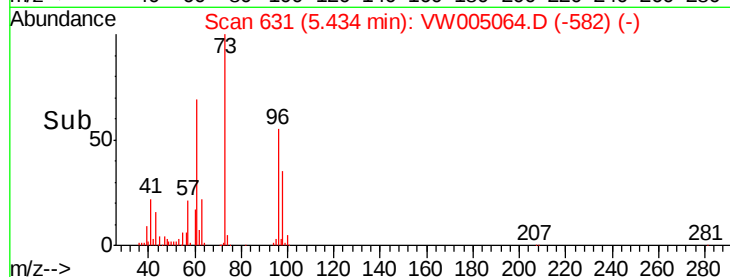
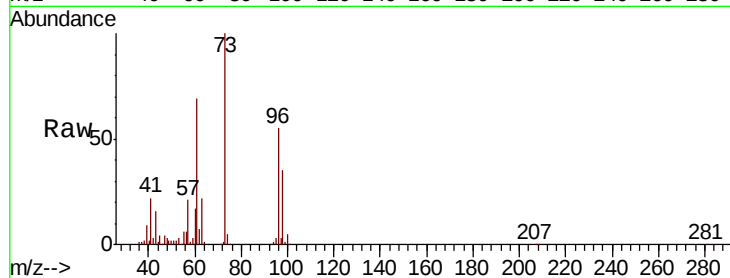


#21
trans-1,2-Dichloroethene
Concen: 20.90 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

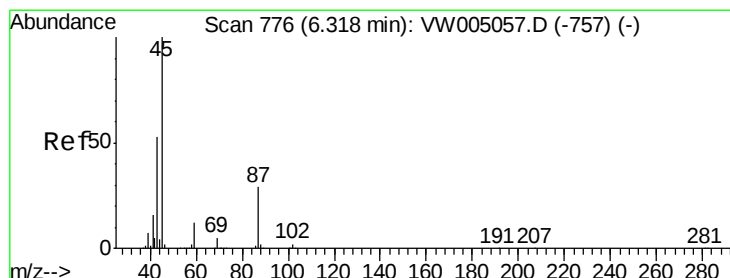
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.5	106.3	159.5
98	63.2	50.9	76.3

Manual Integrations
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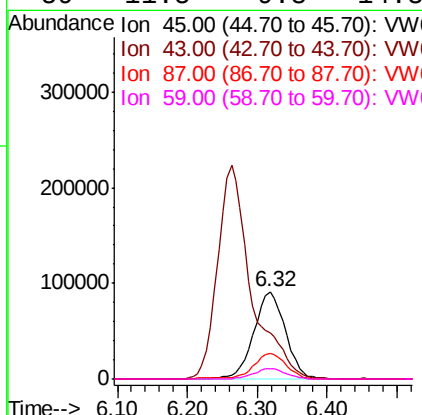
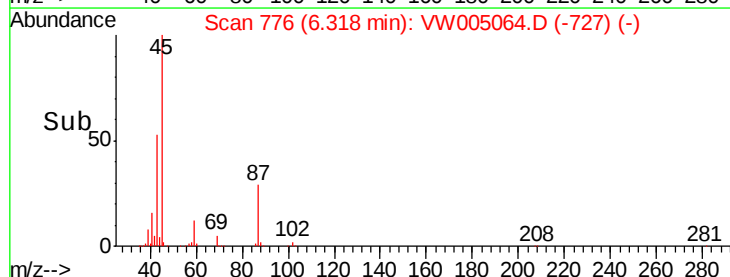
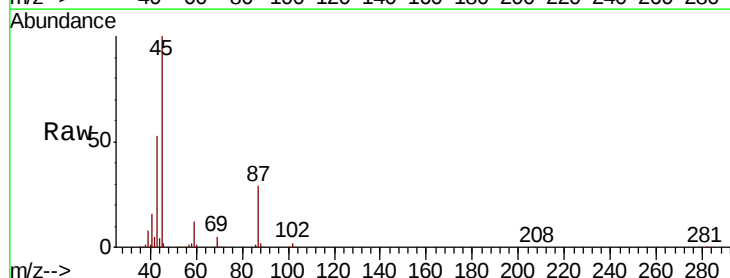
apatel

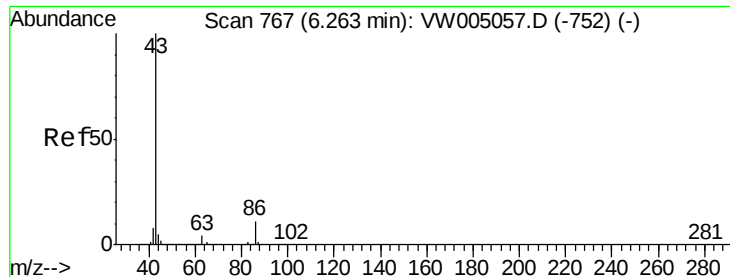
9/4/2018 9:37:27 AM



#22
Diisopropyl ether
Concen: 21.44 ug/l
RT: 6.32 min Scan# 776
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.6	63.8
87	28.8	23.6	35.4
59	11.5	9.8	14.8





#23

Vinyl Acetate

Concen: 106.01 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Tot Ion: 43 Resp: 744518

Ion Ratio Lower Upper

43 100

86 11.6 9.0 13.4

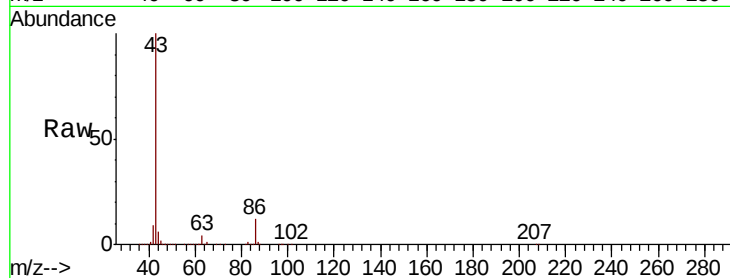
Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

250000

200000

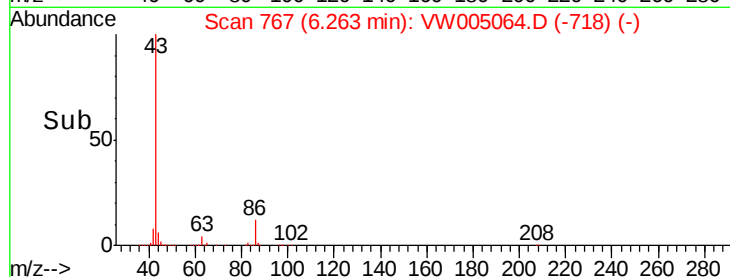
150000

100000

50000

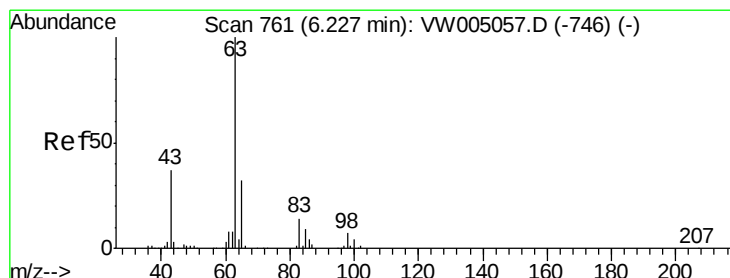
0

Time--> 6.10 6.20 6.30 6.40



apatel

9/4/2018 9:37:27 AM



#24

1,1-Dichloroethane

Concen: 20.82 ug/l

RT: 6.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

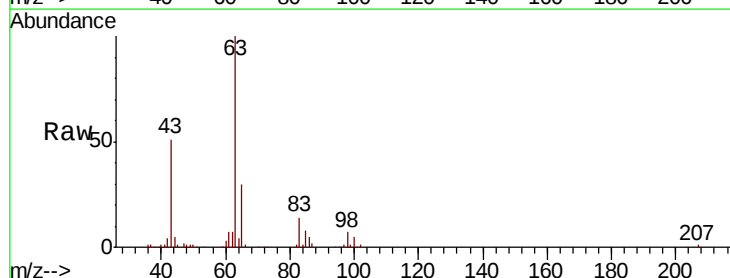
Tgt Ion: 63 Resp: 174036

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

80000

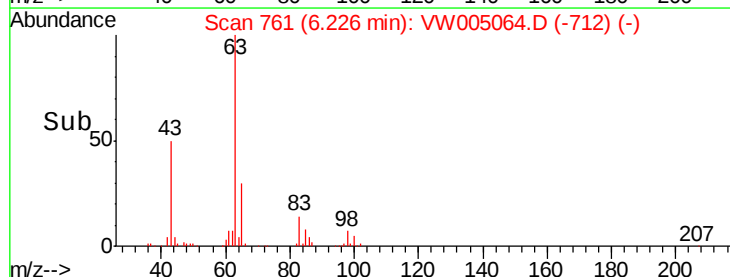
60000

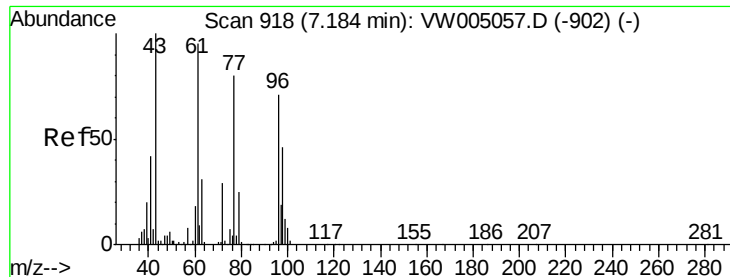
40000

20000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 108.02 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

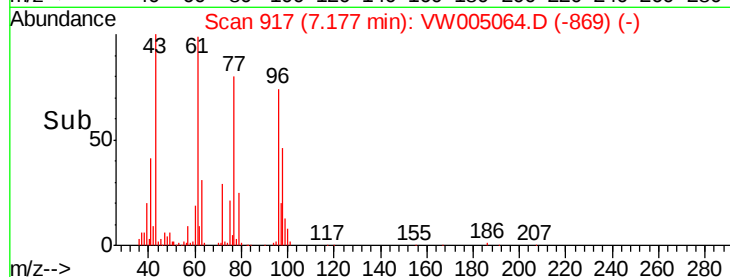
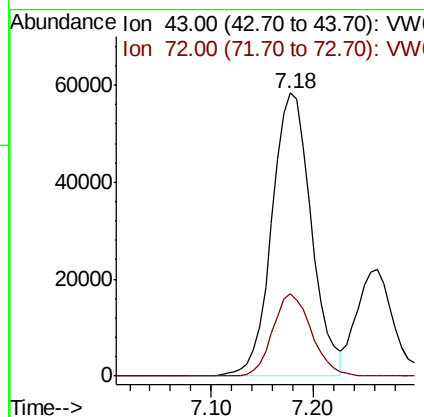
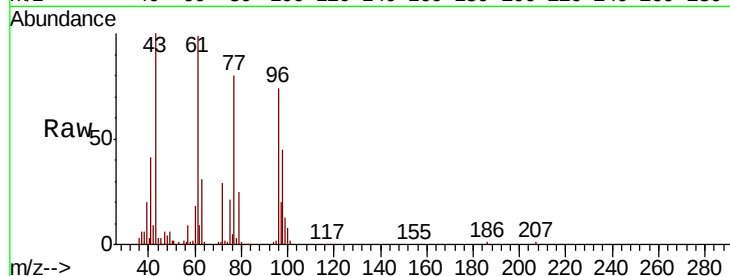
Tot Ion: 43 Resp: 156582

Ion Ratio Lower Upper

43 100

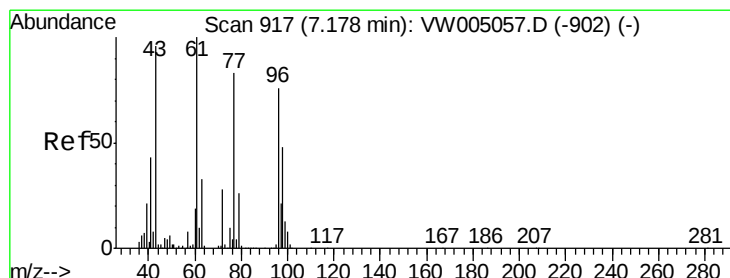
72 29.0 23.1 34.7

Manual Integrations
APPROVED



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9/4/2018 9:37:27 AM



#26

2,2-Dichloropropane

Concen: 20.43 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005064.D

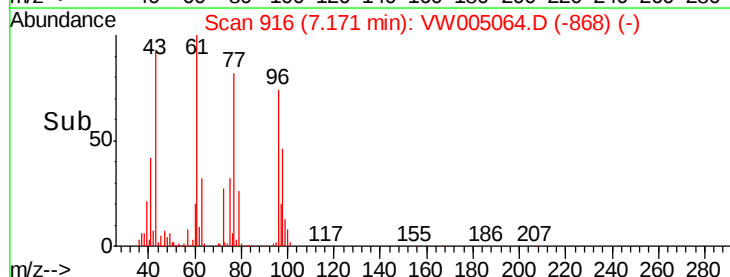
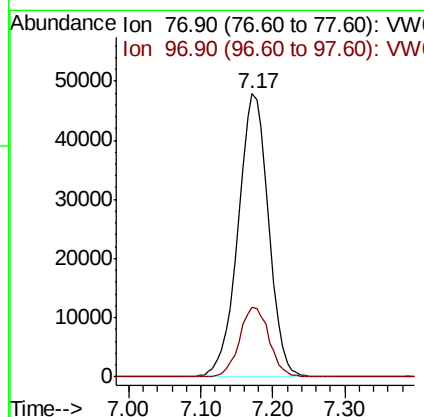
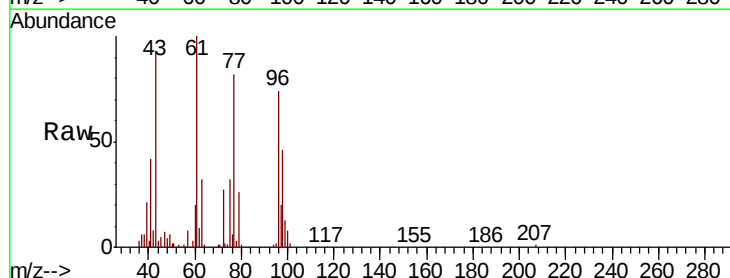
Acq: 01 Sep 2018 04:52

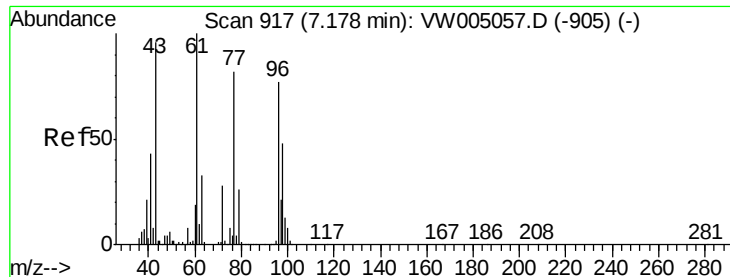
Tgt Ion: 77 Resp: 140349

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





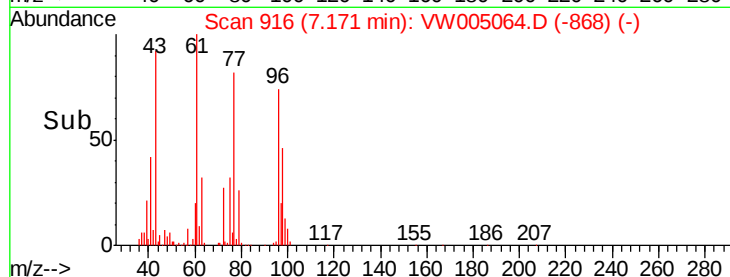
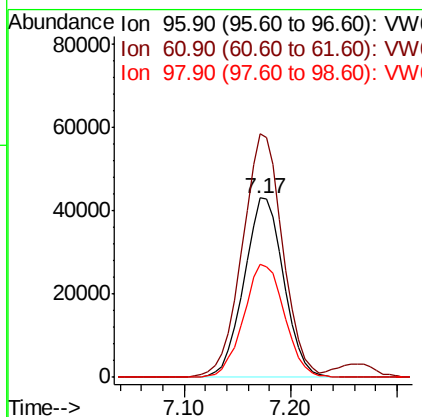
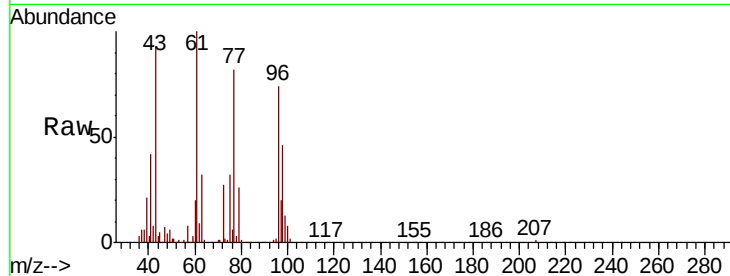
#27

cis-1,2-Dichloroethene
 Concen: 20.83 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

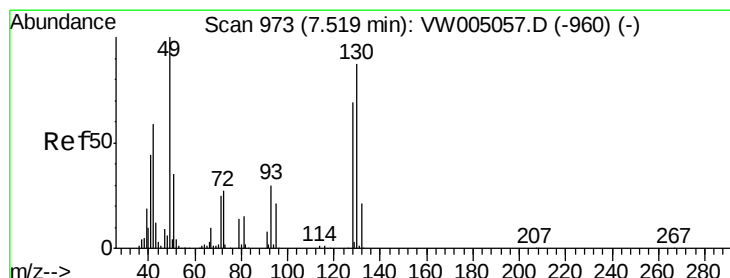
Tot Ion	Ratio	Resp	Lower	Upper
96	100	112862		
61	138.1	0.0	273.2	
98	64.8	0.0	127.8	

Manual Integrations
 APPROVED



apatel

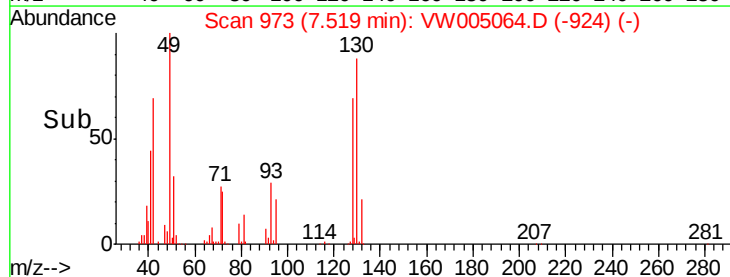
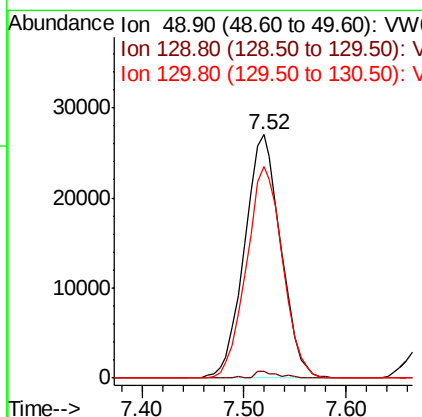
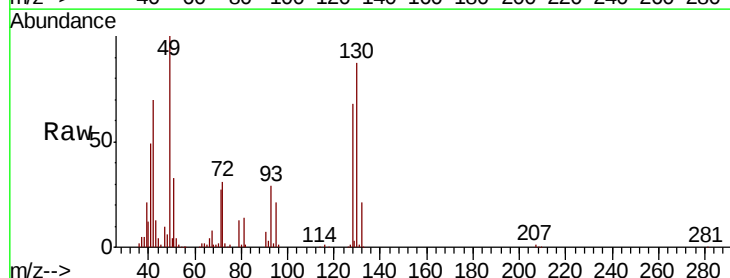
9/4/2018 9:37:27 AM

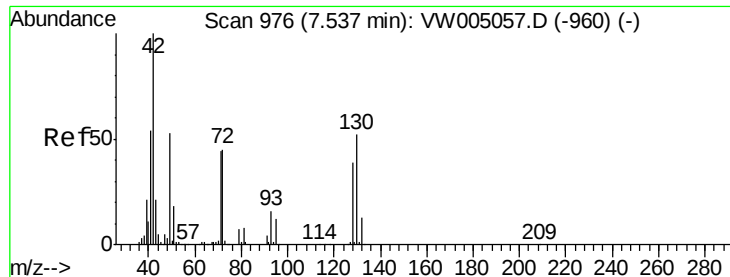


#28

Bromochloromethane
 Concen: 19.93 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67037		
129	1.8	0.0	4.4	
130	86.3	69.6	104.4	



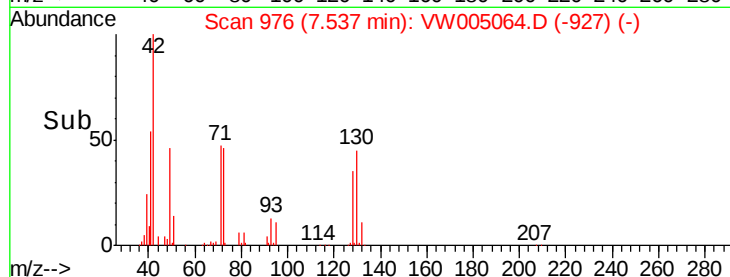
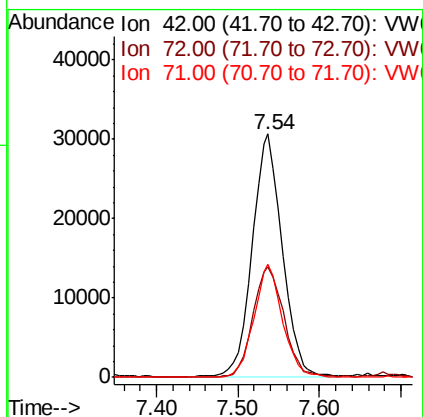
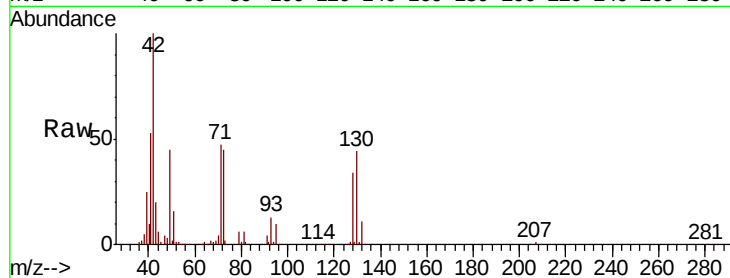


#29
Tetrahydrofuran
Concen: 107.15 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

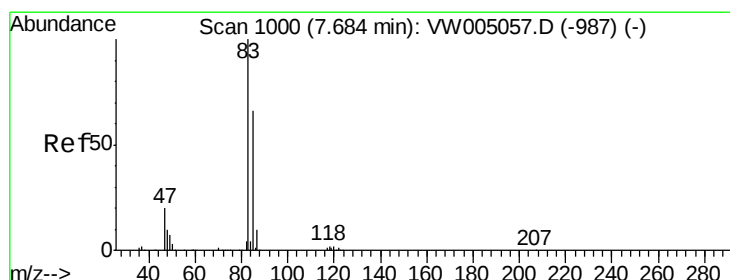
Tot Ion:	42	Resp:	79360
Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.4
71	44.2	35.0	52.6

Manual Integrations
APPROVED



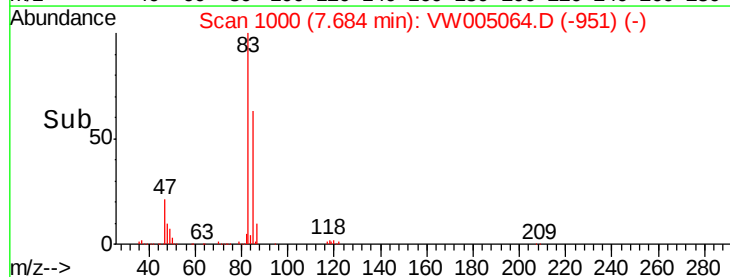
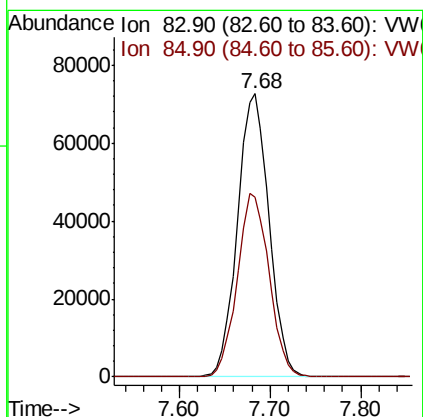
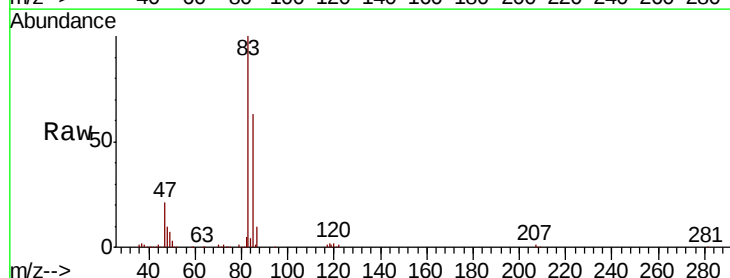
apatel

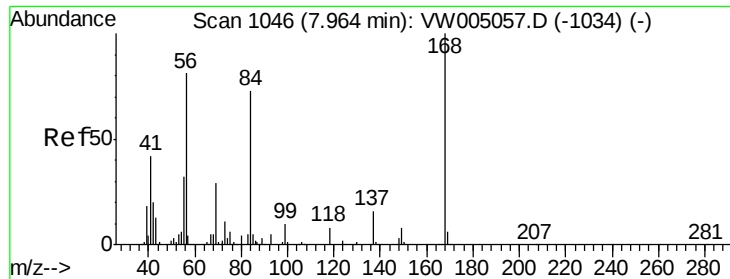
9/4/2018 9:37:27 AM



#30
Chloroform
Concen: 20.52 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion:	83	Resp:	175031
Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.1	79.7



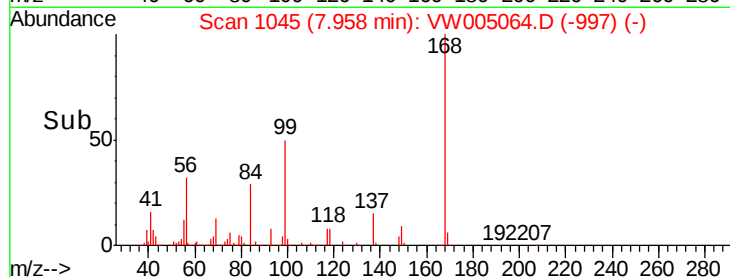
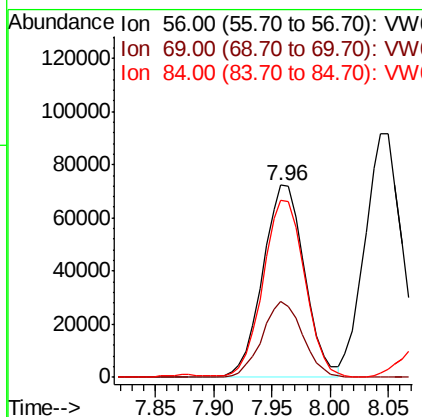
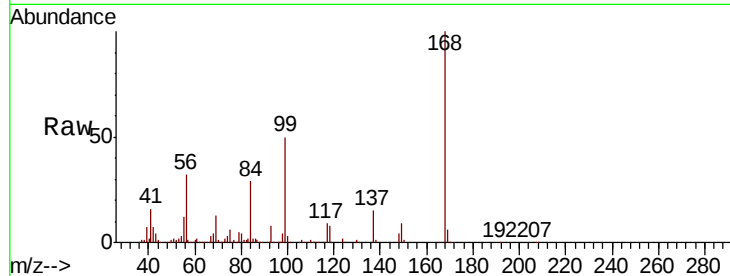


#31
Cyclohexane
Concen: 22.00 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

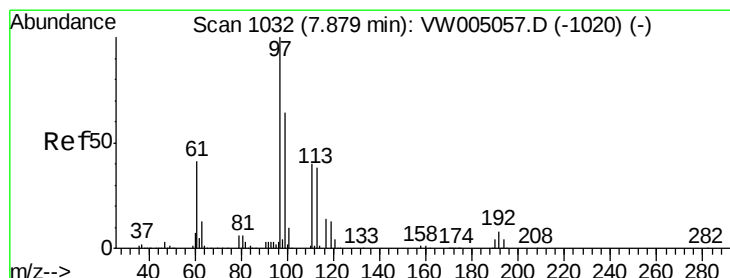
Tot Ion	Ratio	Lower	Upper
56	100		
69	39.6	28.2	42.2
84	90.9	71.8	107.8

Manual Integrations
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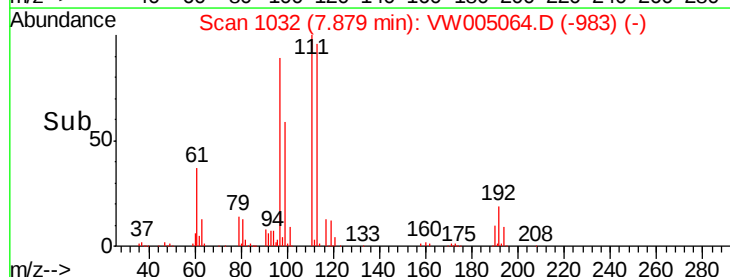
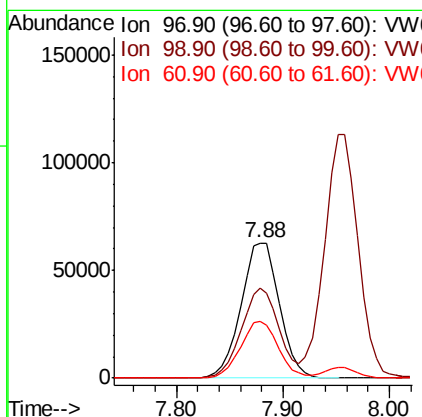
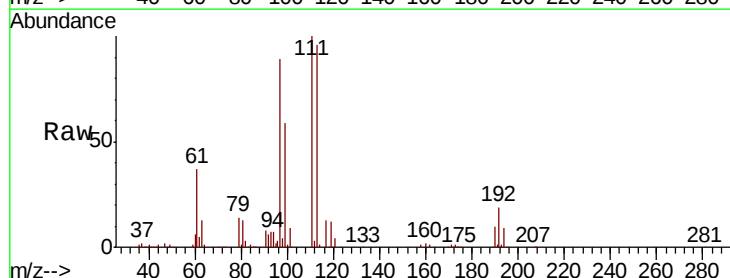
apatel

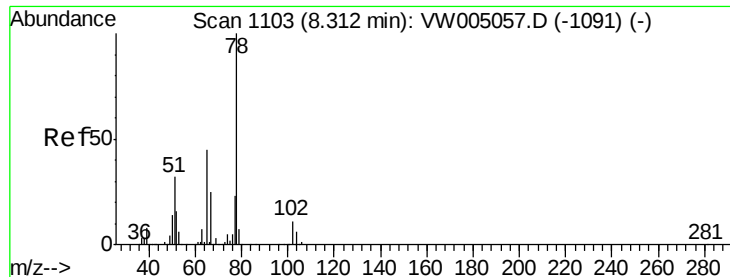
9/4/2018 9:37:27 AM



#32
1,1,1-Trichloroethane
Concen: 21.37 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.8
61	41.8	33.2	49.8



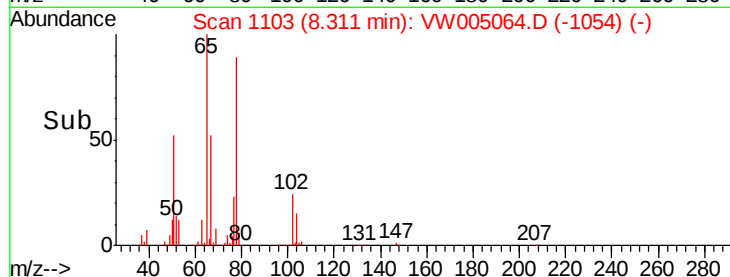
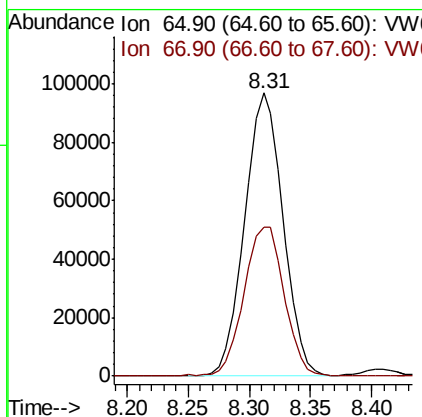
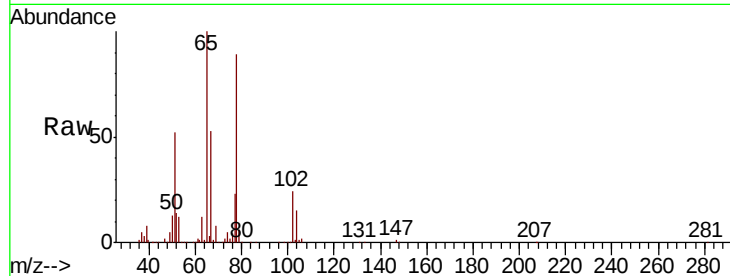


#33
 1,2-Dichloroethane-d4
 Concen: 50.82 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

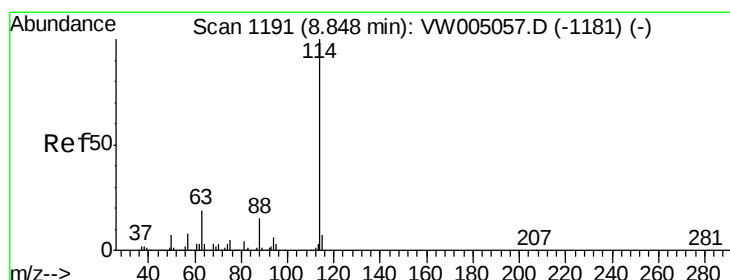
Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	109.4	

Manual Integrations
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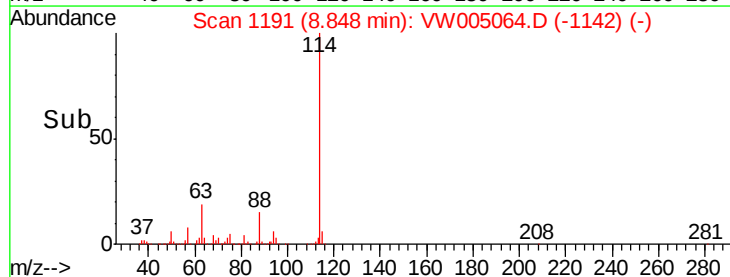
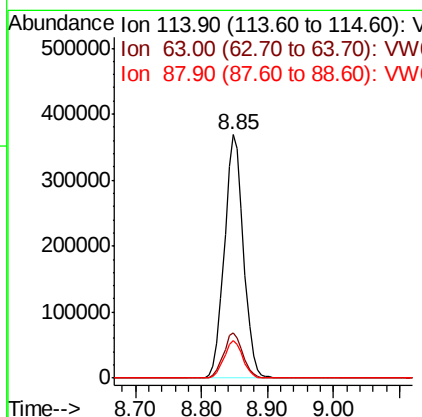
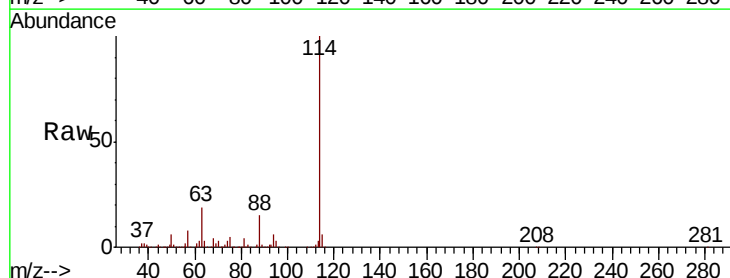
apatel

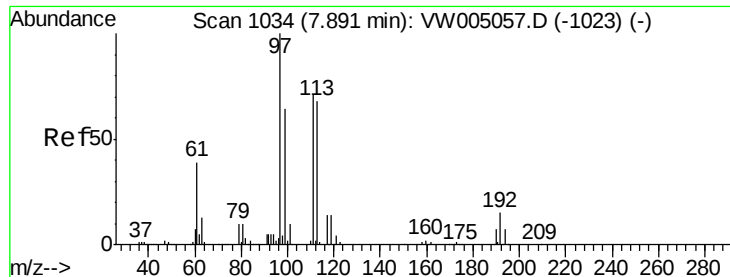
9/4/2018 9:37:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	38.0	
88	15.3	0.0	30.2	



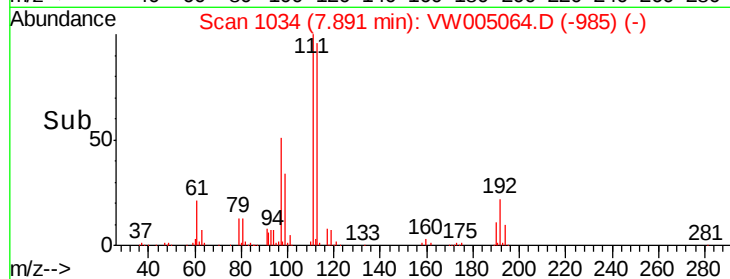
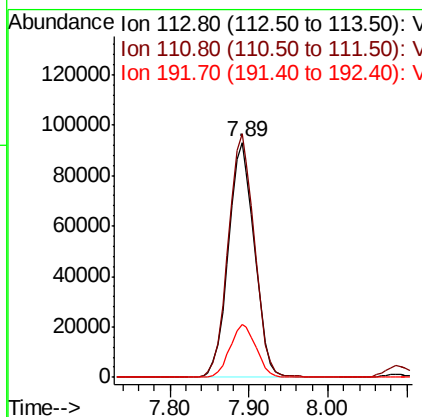
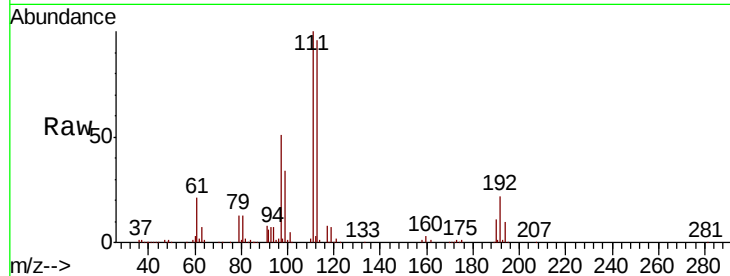


#35
 Dibromofluoromethane
 Concen: 50.36 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

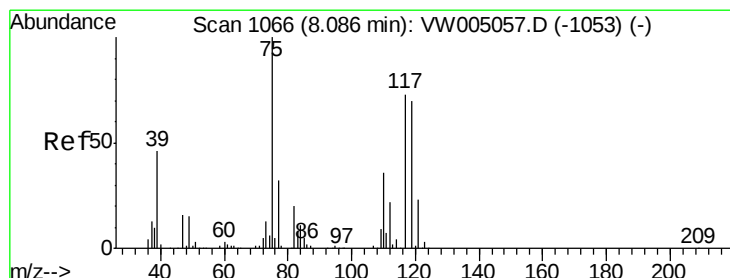
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.1	82.2	123.2	
192	22.4	18.1	27.1	

Manual Integrations
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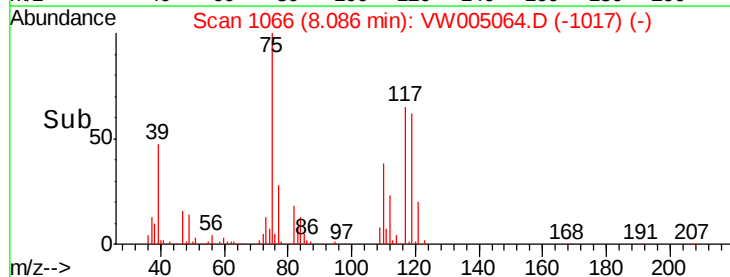
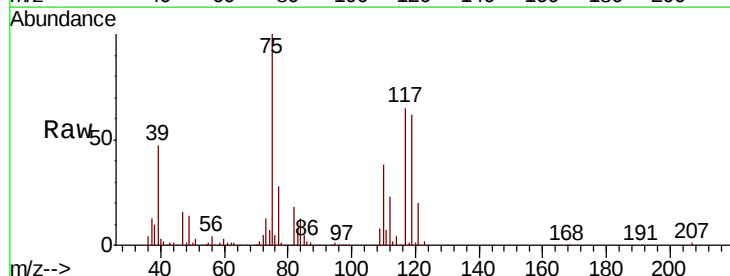
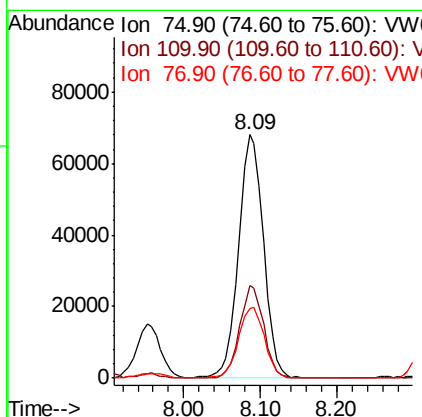
apatel

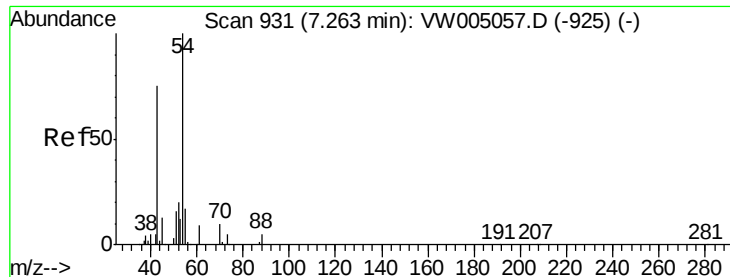
9/4/2018 9:37:27 AM



#36
 1,1-Dichloropropene
 Concen: 21.97 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	18.9	56.7	
77	30.4	25.5	38.3	



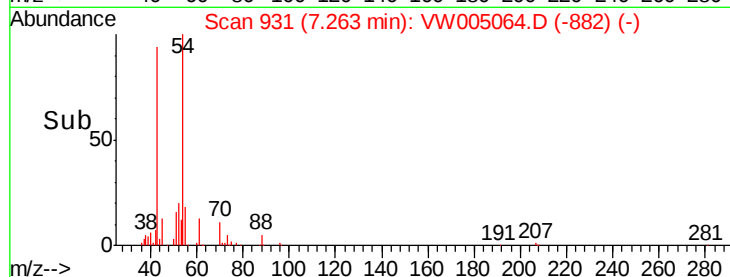
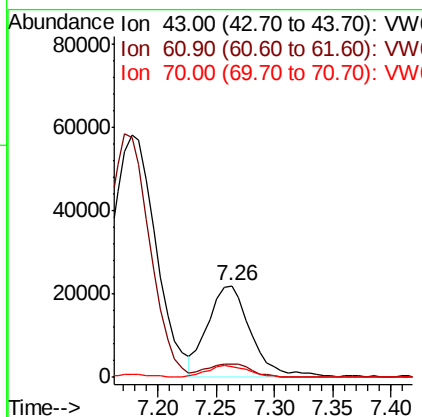
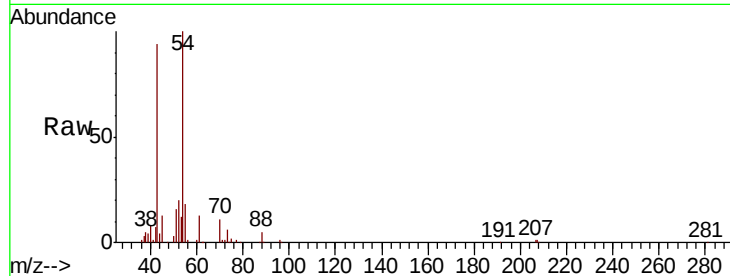


#37
Ethyl Acetate
Concen: 21.20 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS01

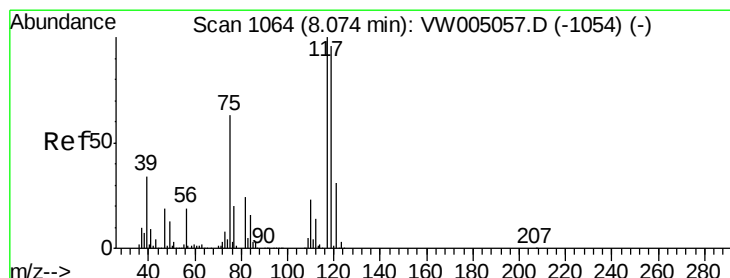
Tot Ion:	43	Resp:	55444
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	13.0	9.4	14.2

Manual Integrations
APPROVED



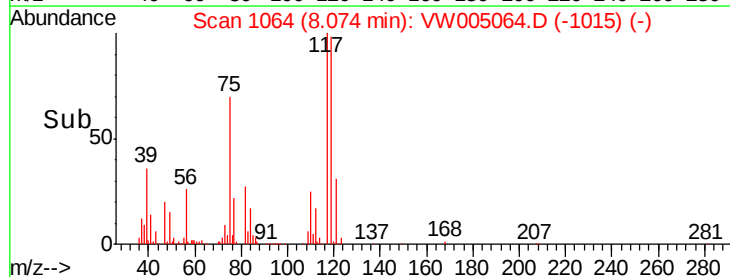
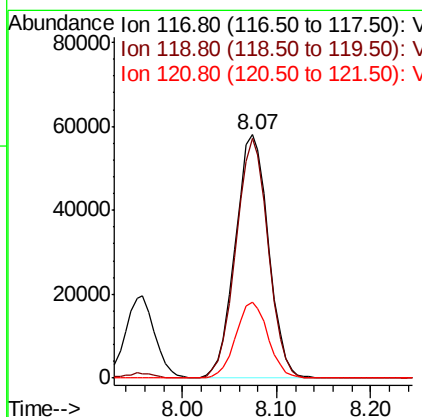
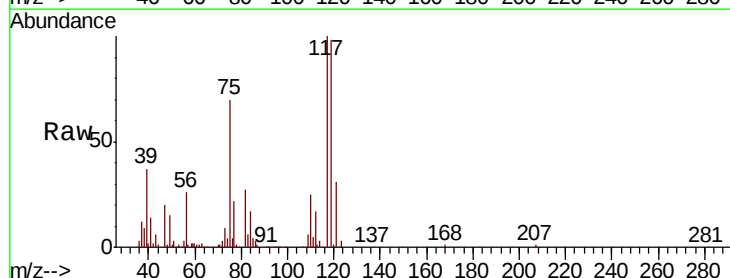
apatel

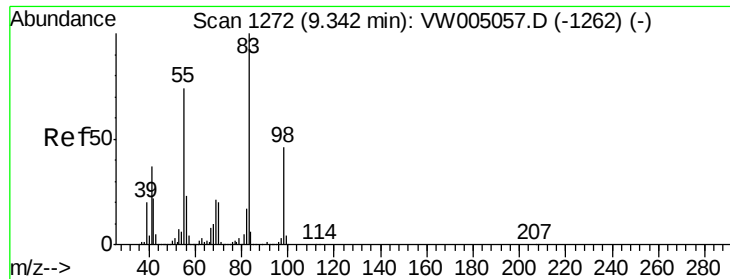
9/4/2018 9:37:27 AM



#38
Carbon Tetrachloride
Concen: 21.49 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion:	117	Resp:	142882
Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.6	115.0
121	31.1	24.8	37.2



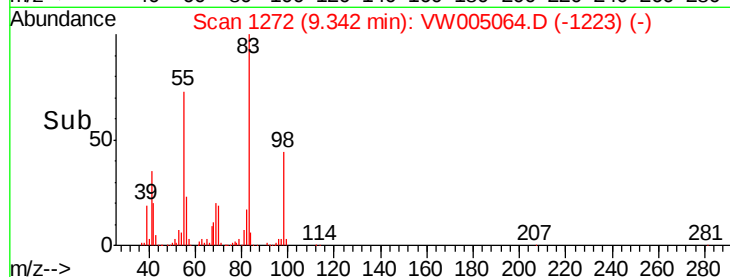
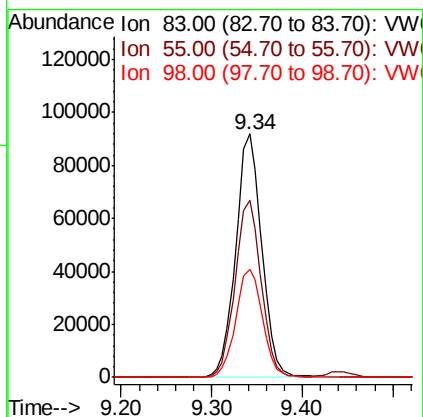
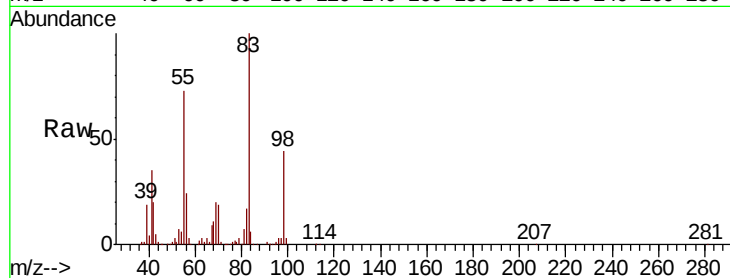


#39
Methvlcvclohexane
Concen: 21.61 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

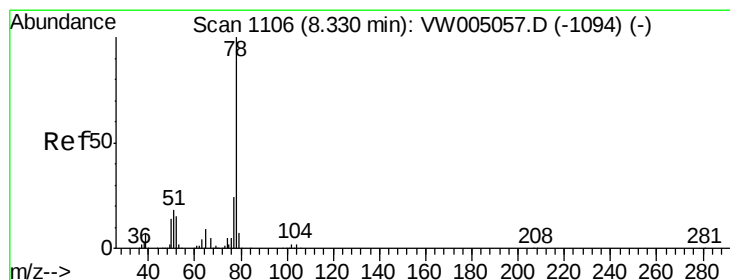
Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.9	88.3
98	44.5	36.8	55.2

Manual Integrations
APPROVED



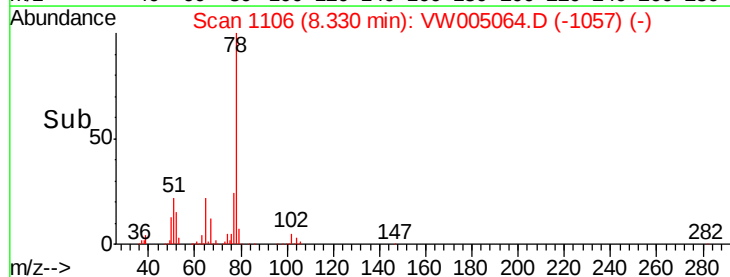
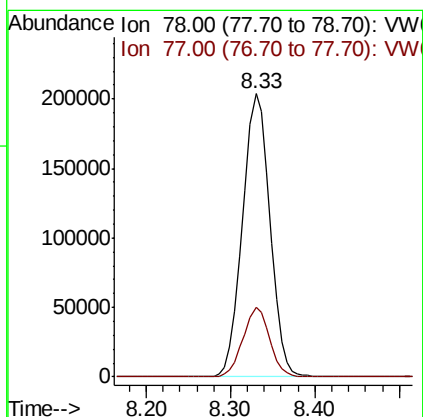
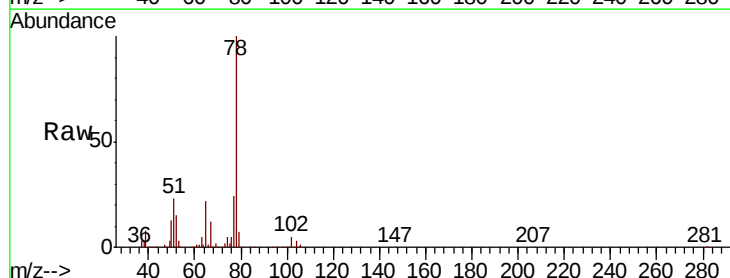
apatel

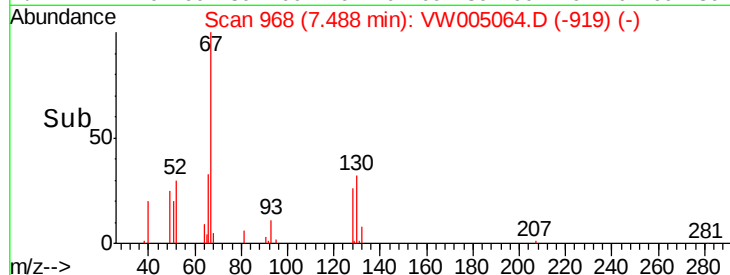
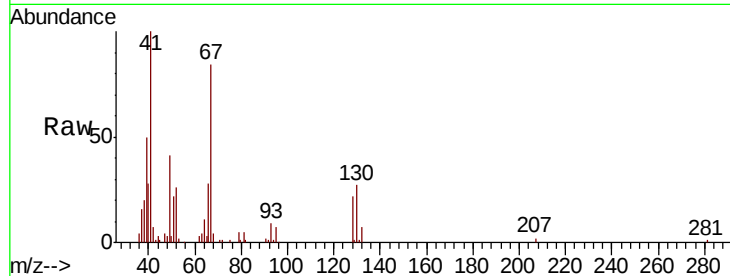
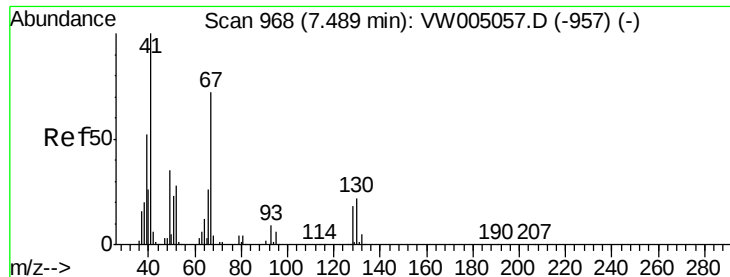
9/4/2018 9:37:27 AM



#40
Benzene
Concen: 20.85 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

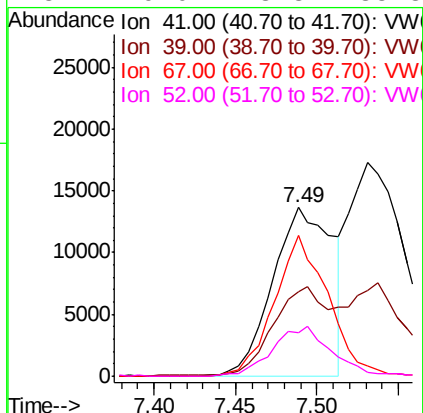
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





#41
Methacrylonitrile
Concen: 23.14 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tot Ion	41	Resp	35067
Ion	Ratio	Lower	Upper
41	100		
39	45.1	41.8	62.8
67	74.9	60.4	90.6
52	29.0	23.8	35.8

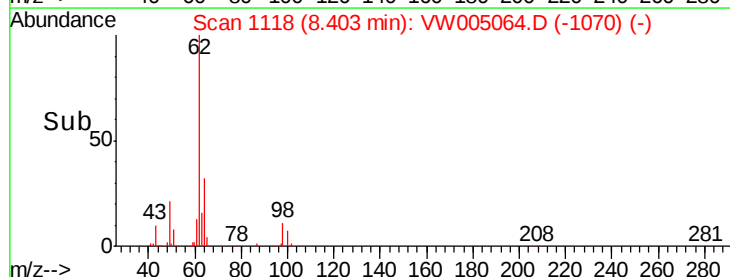
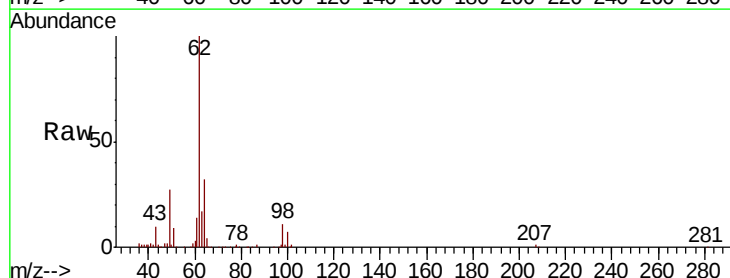
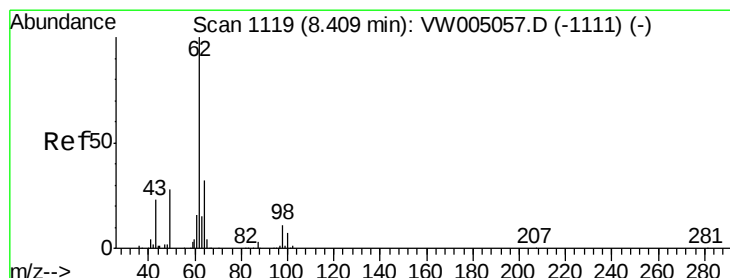


Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

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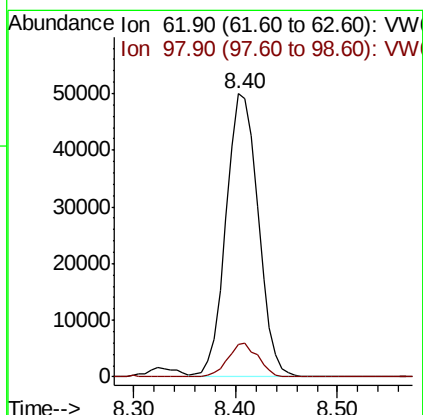
apatel

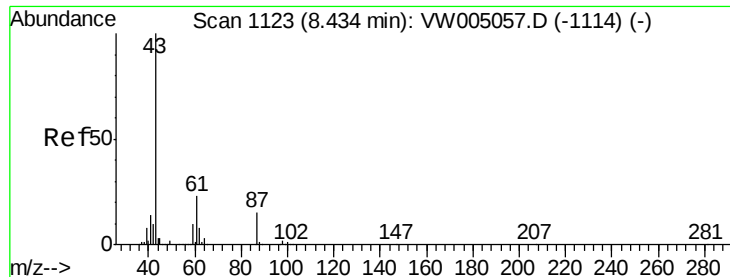
9/4/2018 9:37:27 AM



#42
1,2-Dichloroethane
Concen: 20.86 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	62	Resp	109303
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.8





#43

Isopropyl Acetate

Concen: 20.76 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

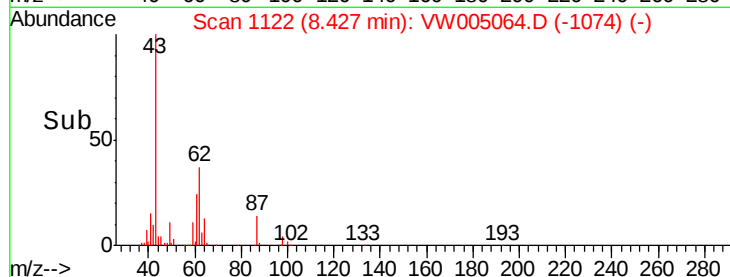
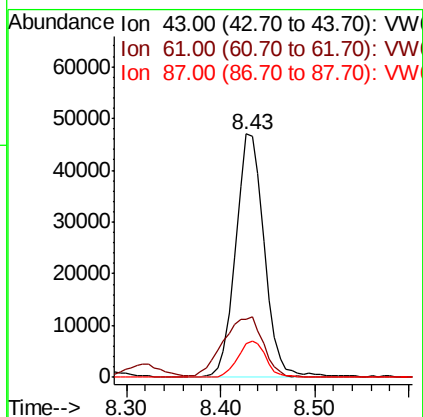
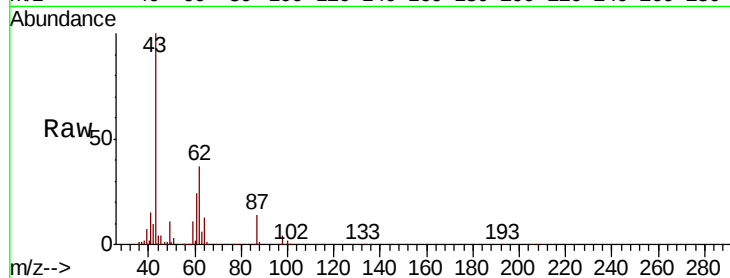
MSVOA_W

ClientSampleId :

VW0901SBS01

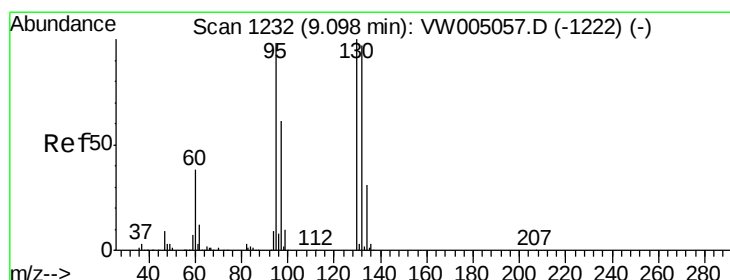
Tot Ion:	43	Resp:	98826
Ion	Ratio	Lower	Upper
43	100		
61	35.1	26.8	40.2
87	14.7	11.6	17.4

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#44

Trichloroethene

Concen: 21.12 ug/l

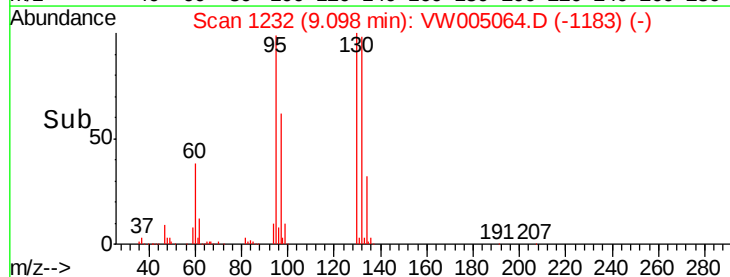
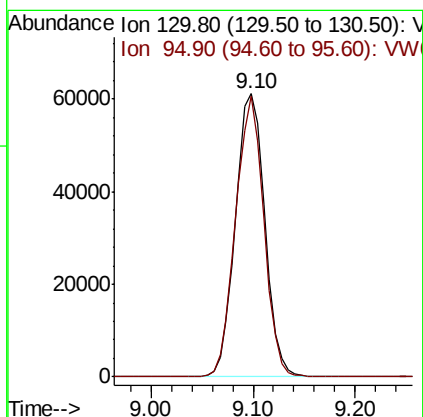
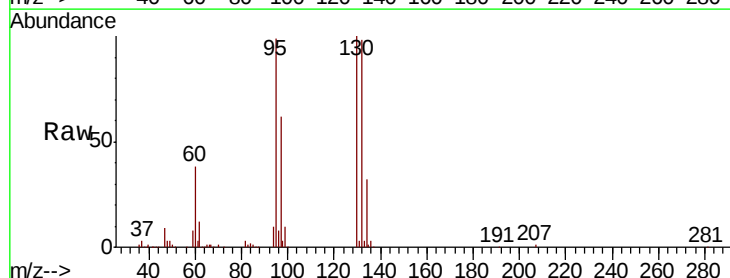
RT: 9.10 min Scan# 1232

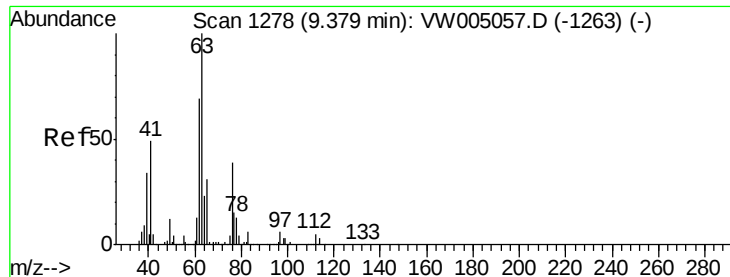
Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Tgt Ion:	130	Resp:	122016
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	195.2



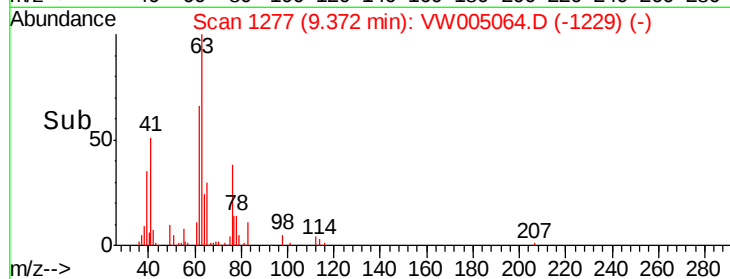
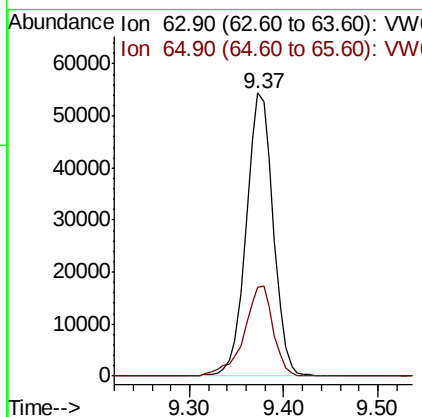
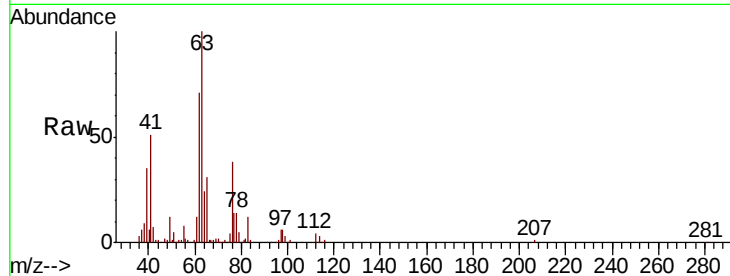


#45
 1,2-Dichloropropane
 Concen: 20.96 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

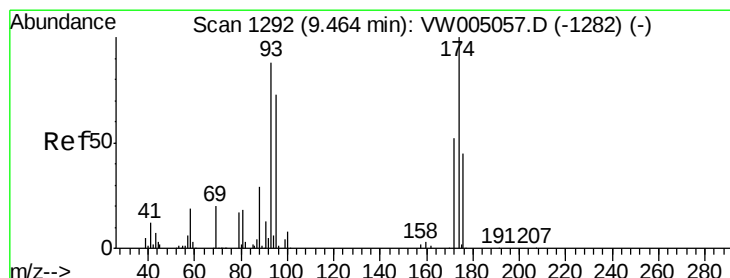
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.6	37.0

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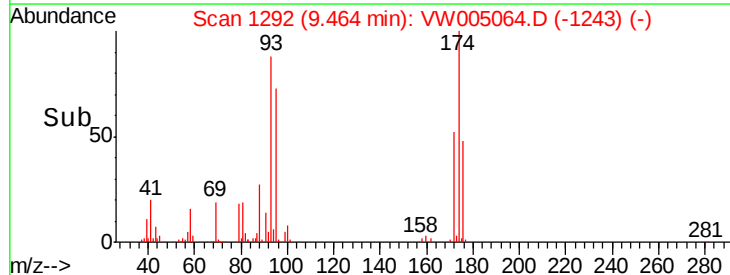
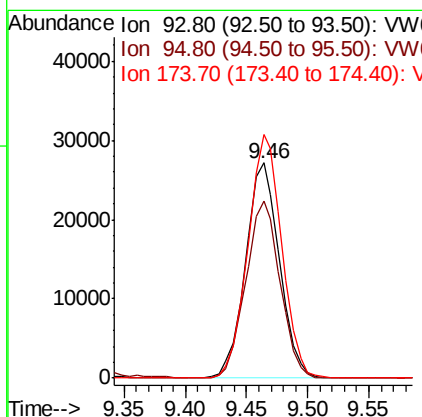
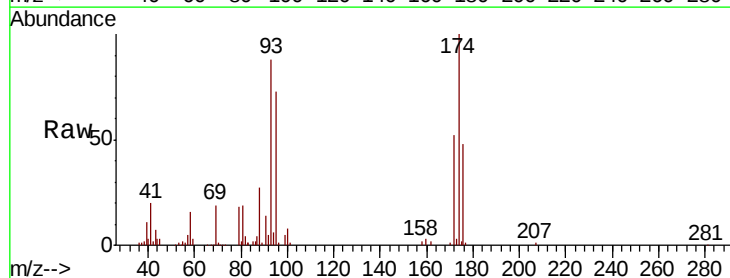
apatel

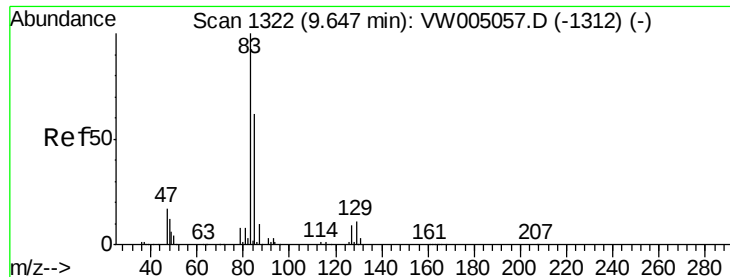
9/4/2018 9:37:27 AM



#46
 Dibromomethane
 Concen: 20.91 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	113.1	92.0	138.0





#47

Bromodichloromethane

Concen: 21.17 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

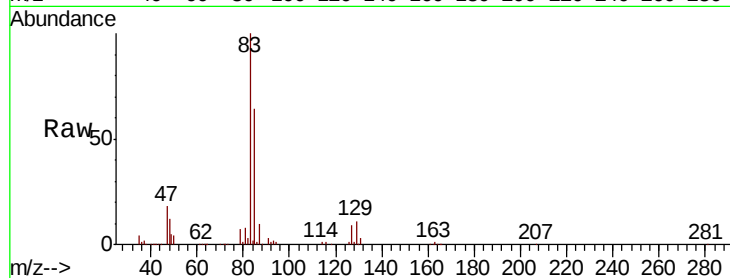
MSVOA_W

ClientSampleId :

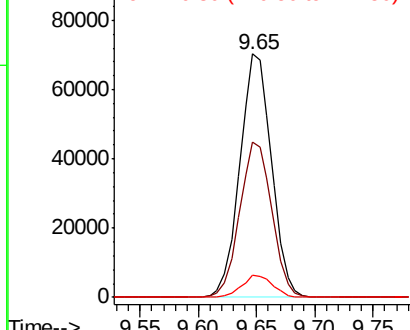
VW0901SBSD01

Tot Ion:	83	Resp:	133341
Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.8	74.6
127	9.0	7.0	10.4

Manual Integrations
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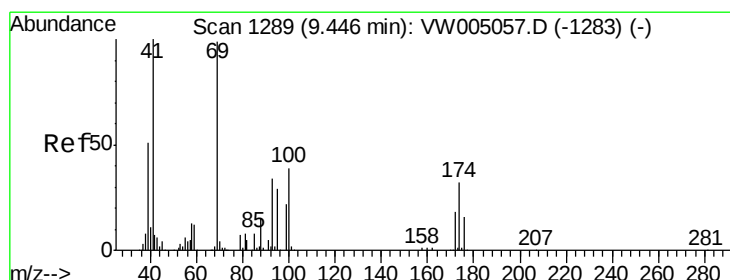
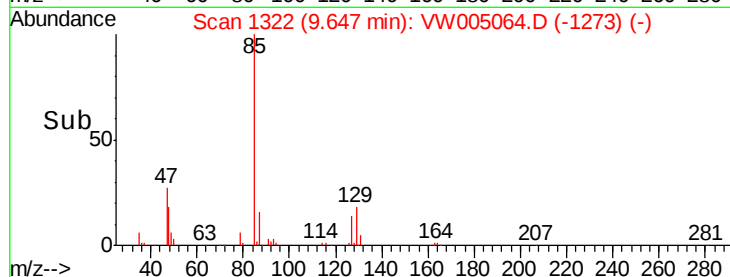


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



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#48

Methyl methacrylate

Concen: 20.61 ug/l

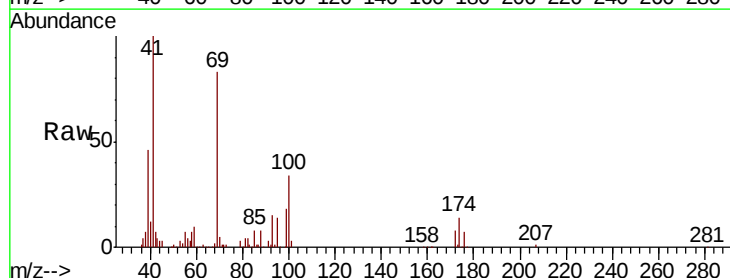
RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

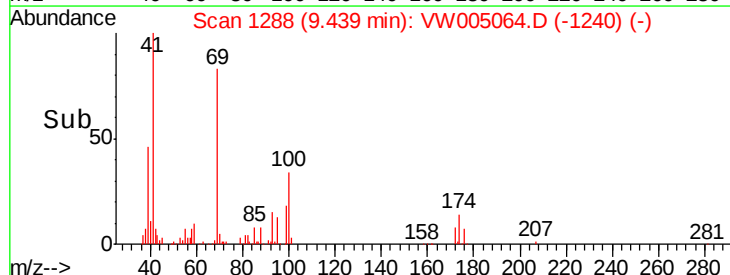
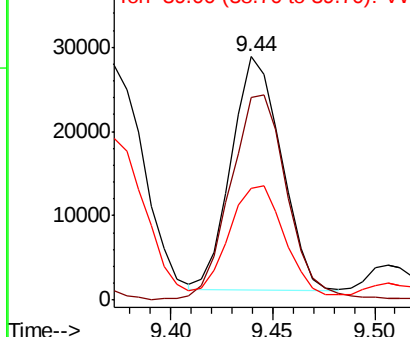
Lab File: VW005064.D

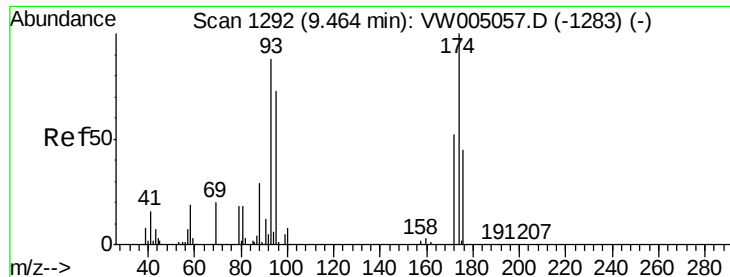
Acq: 01 Sep 2018 04:52

Tgt Ion:	41	Resp:	47244
Ion	Ratio	Lower	Upper
41	100		
69	100.6	80.4	120.6
39	50.6	43.5	65.3



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW



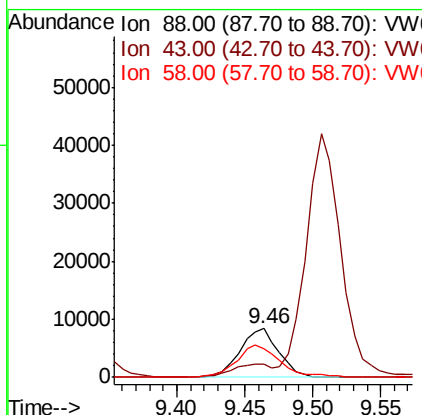
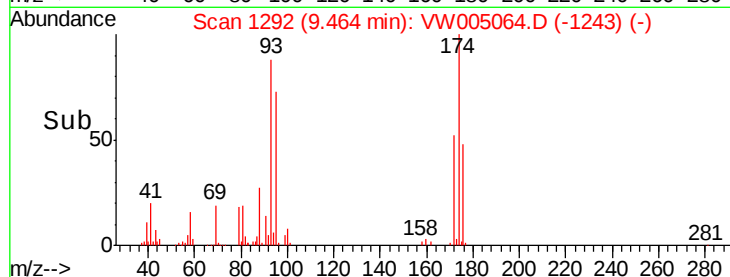
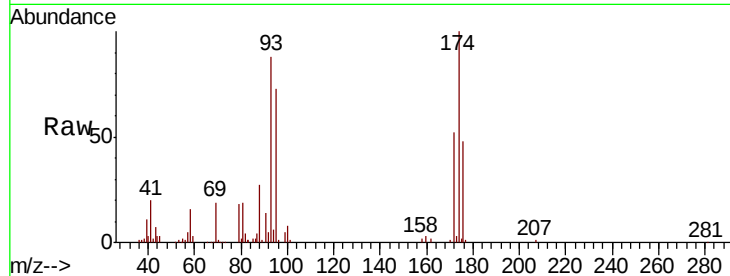


#49
 1,4-Dioxane
 Concen: 412.64 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBSD01

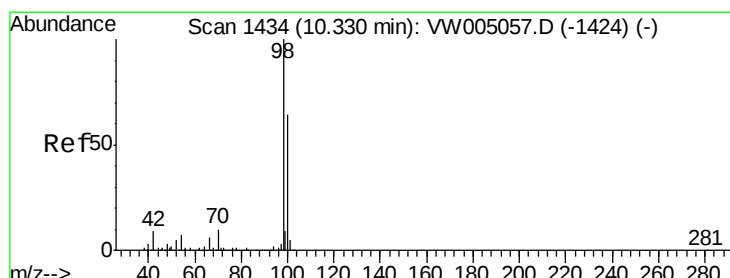
Tot Ion	88	Resp	16690
Ion	Ratio	Lower	Upper
88	100		
43	25.9	19.8	29.6
58	74.3	57.1	85.7

Manual Integrations
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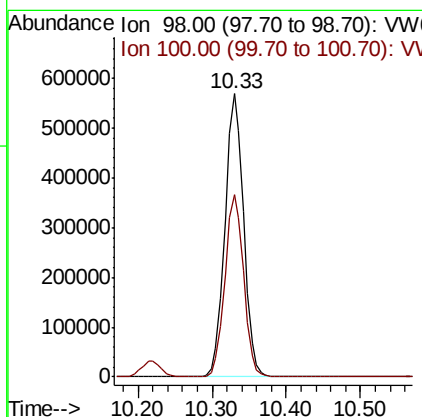
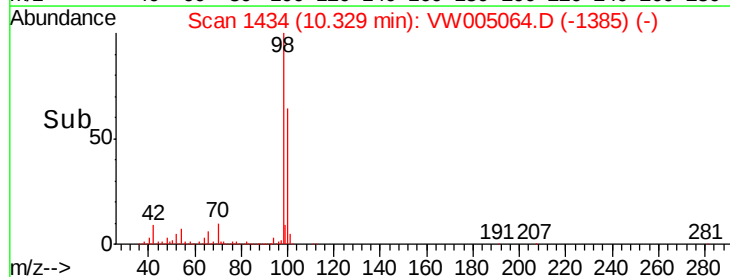
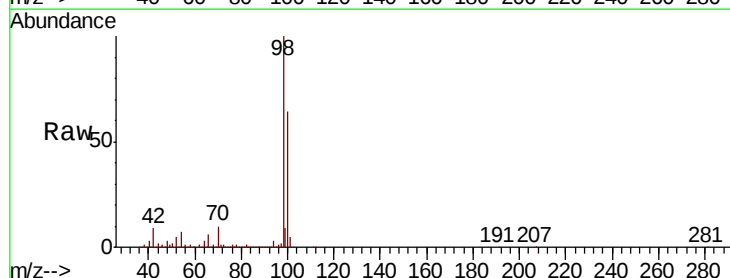
apatel

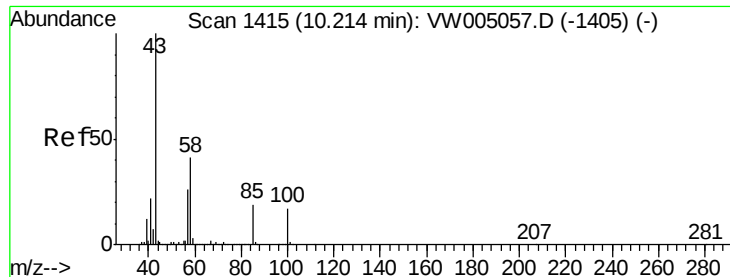
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#50
 Toluene-d8
 Concen: 50.83 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	98	Resp	993899
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5



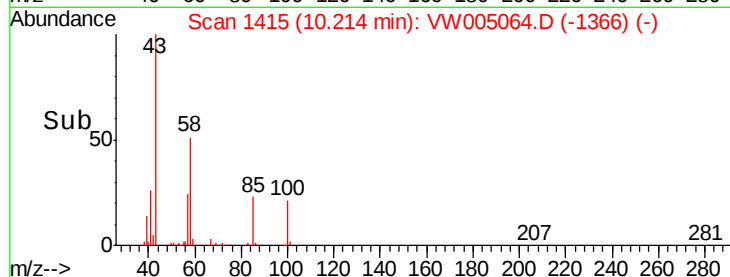
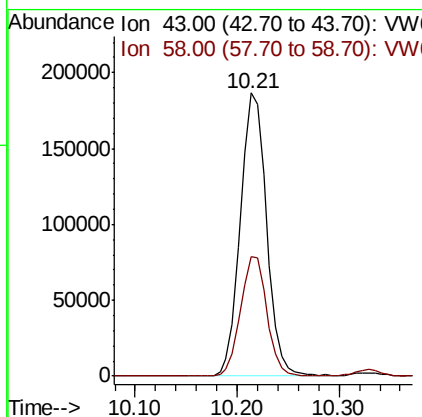
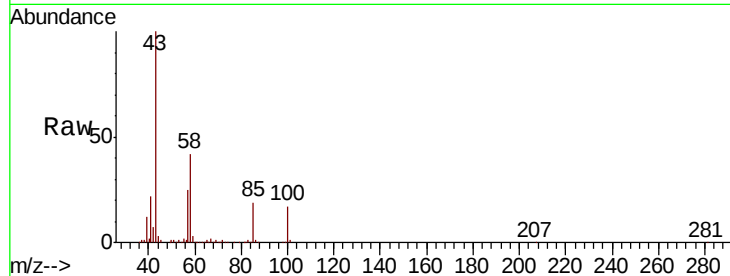


#51
4-Methyl-2-Pentanone
Concen: 104.54 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

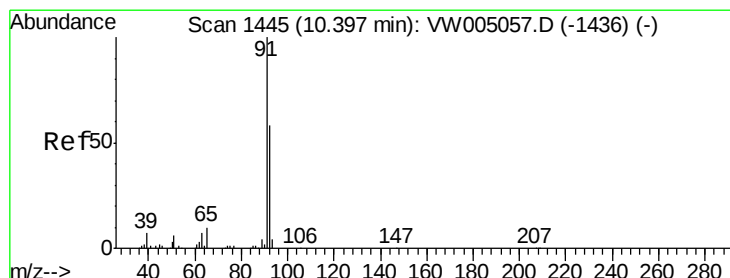
Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	33.3	49.9

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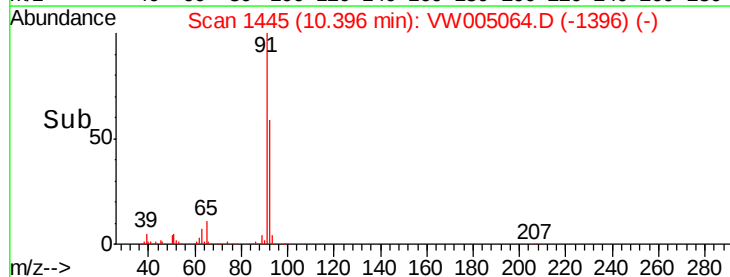
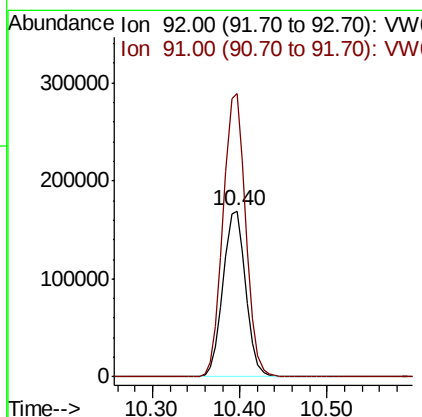
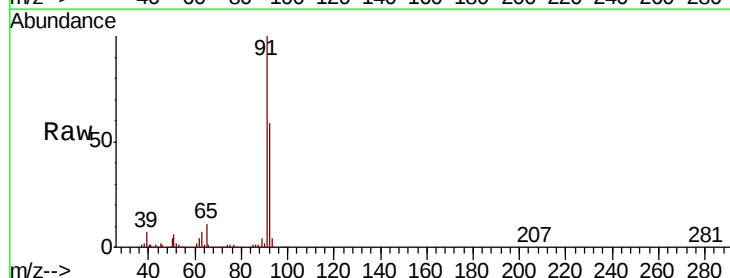
apatel

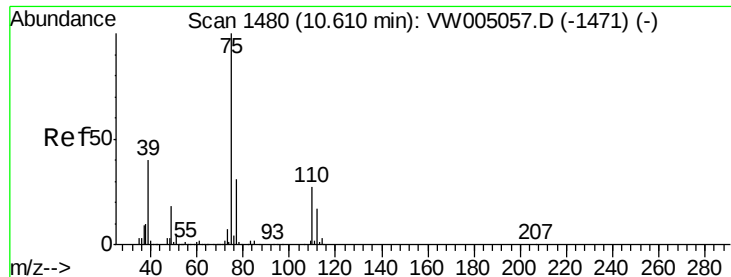
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#52
Toluene
Concen: 21.02 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	139.2	208.8



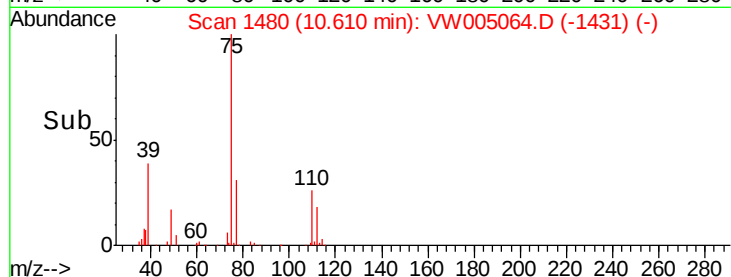
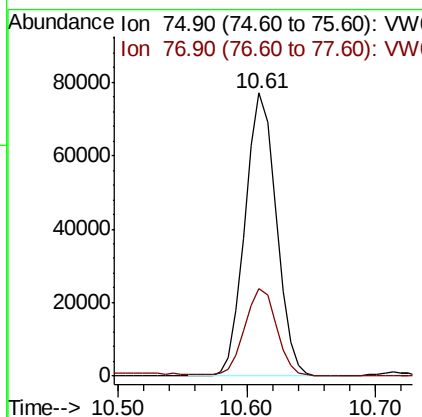
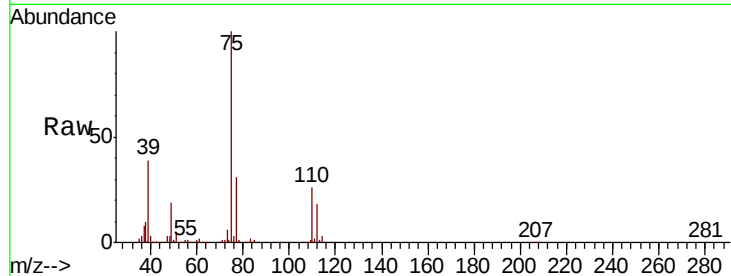


#53
t-1,3-Dichloropropene
Concen: 20.87 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

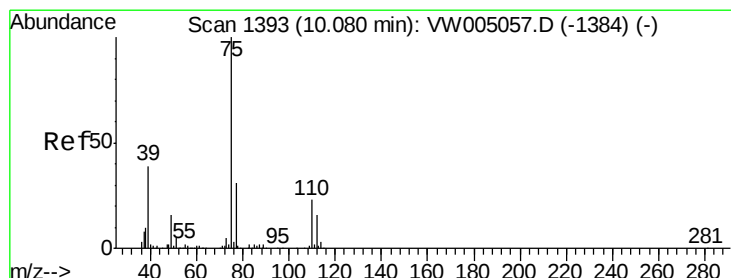
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.6

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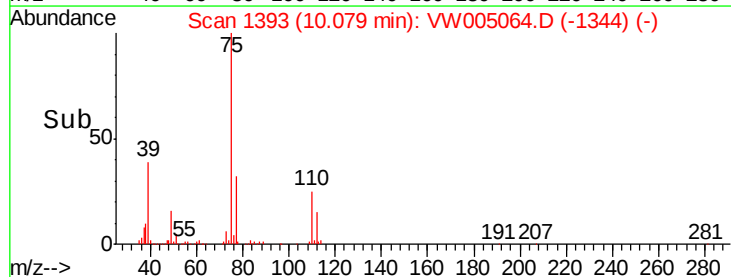
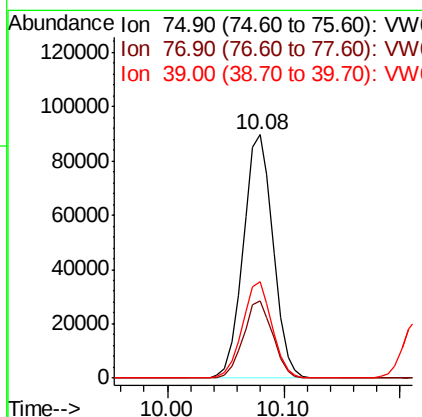
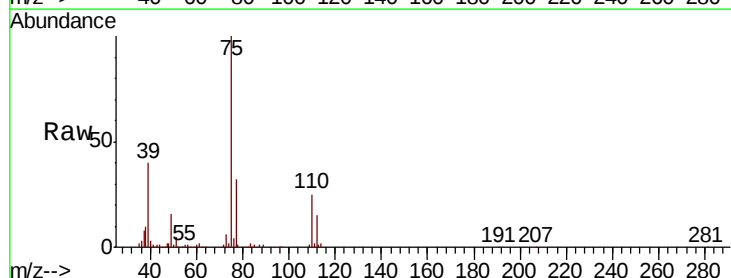
apatel

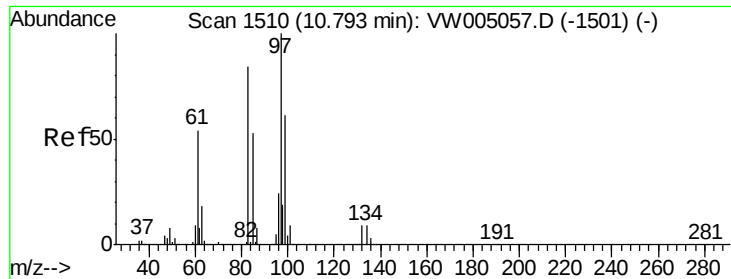
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#54
cis-1,3-Dichloropropene
Concen: 21.32 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.9	37.3
39	39.4	31.0	46.6



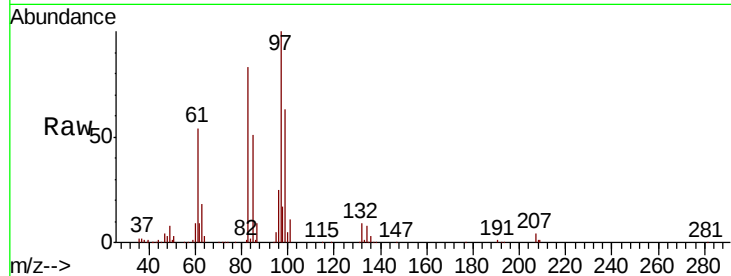


#55
 1,1,2-Trichloroethane
 Concen: 20.68 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

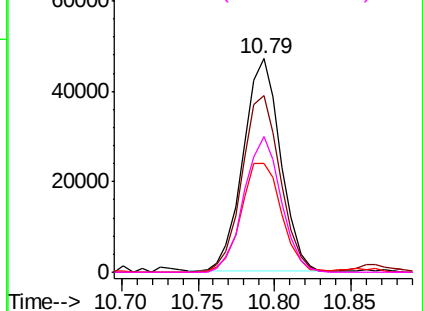
Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBSD01

Tot Ion:	97	Resp:	80072
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.0	100.6
85	51.2	42.3	63.5
99	63.7	48.5	72.7

Manual Integrations
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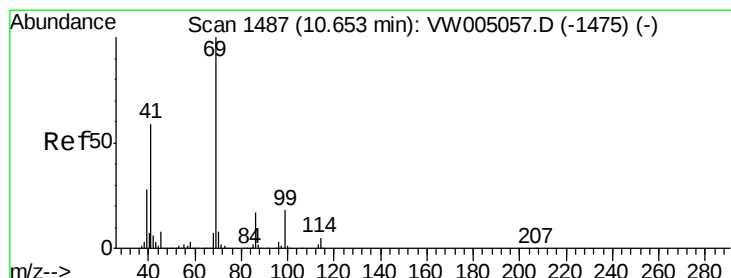
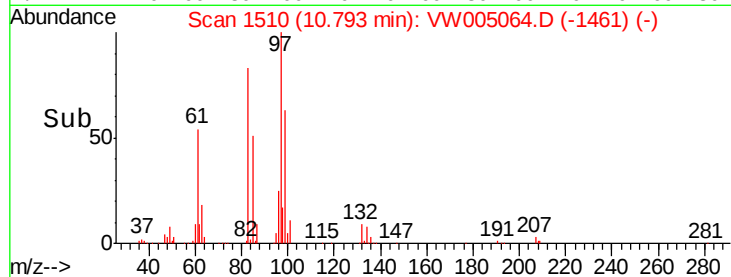


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



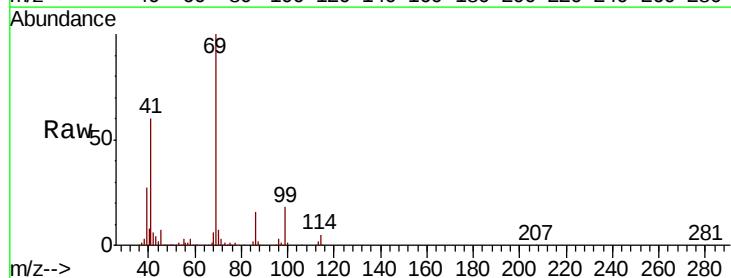
apatel

9/4/2018 9:37:27 AM

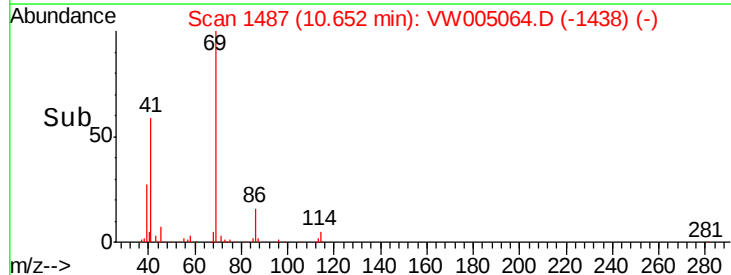
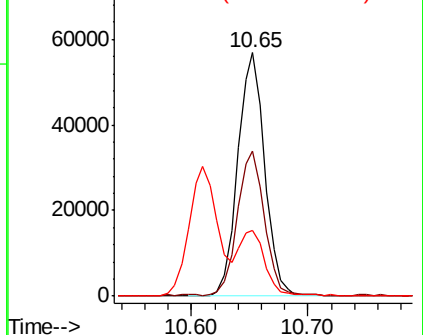


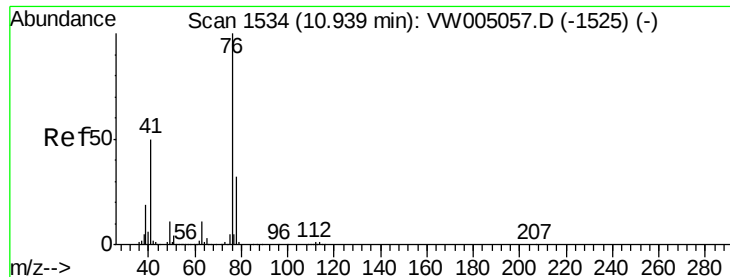
#56
 Ethyl methacrylate
 Concen: 20.82 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion:	69	Resp:	92004
Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.8	71.6
39	25.9	21.1	31.7



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW



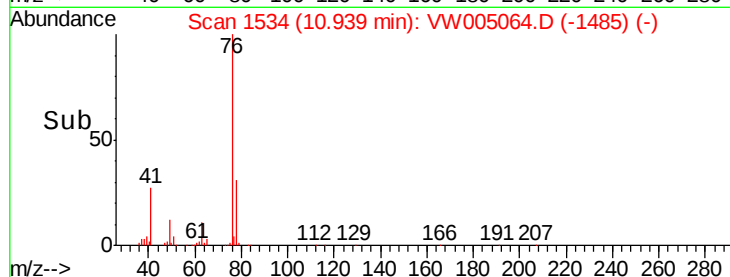
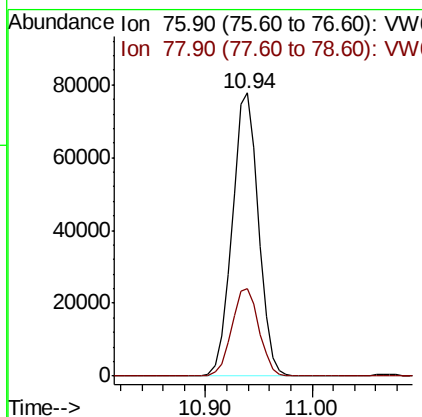
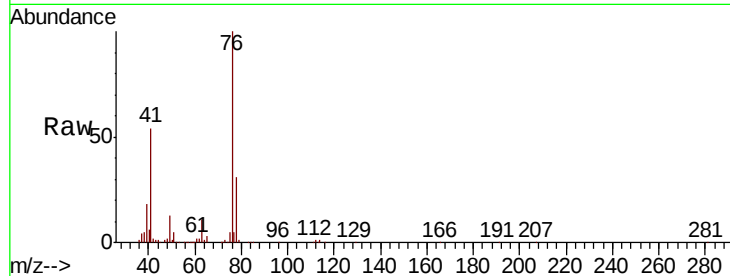


#57
 1,3-Dichloropropane
 Concen: 21.12 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

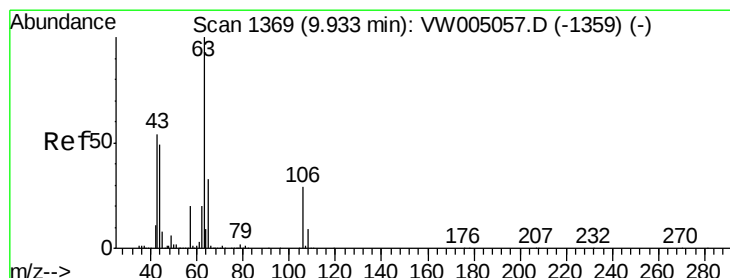
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

Manual Integrations
 APPROVED



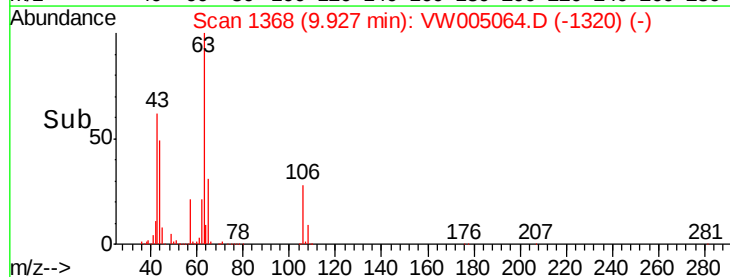
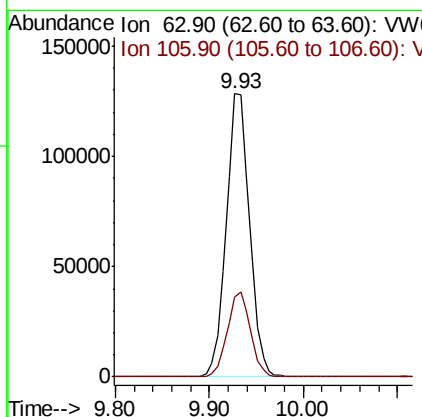
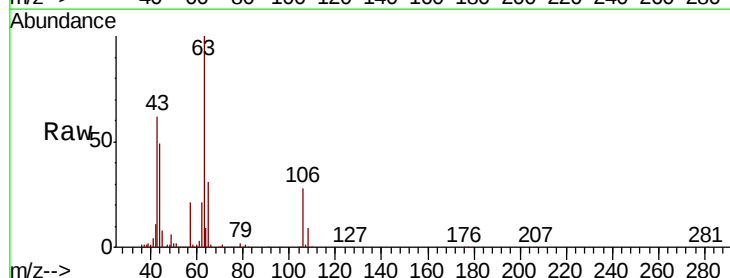
apatel

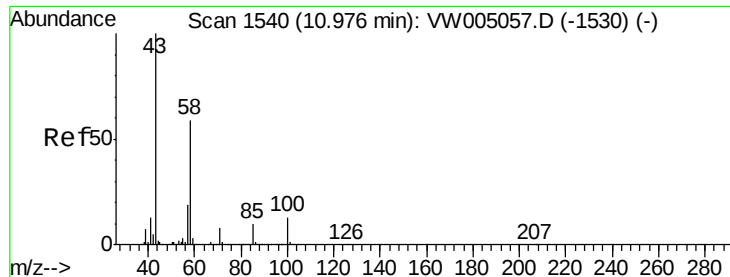
9/4/2018 9:37:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.50 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.1	34.7



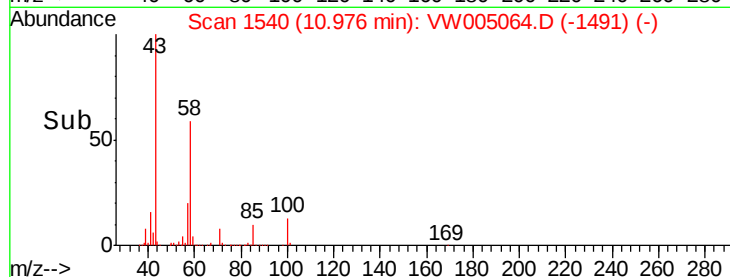
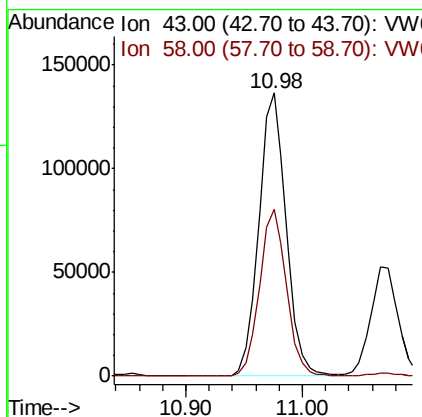
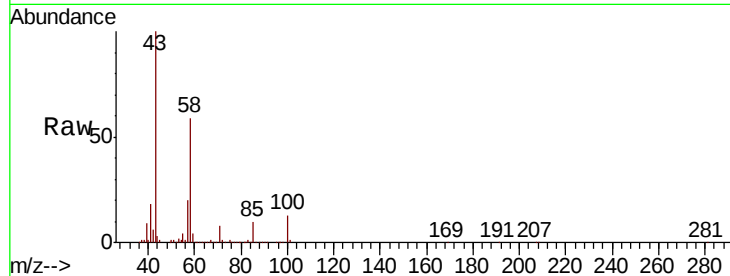


#59
2-Hexanone
Concen: 103.32 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

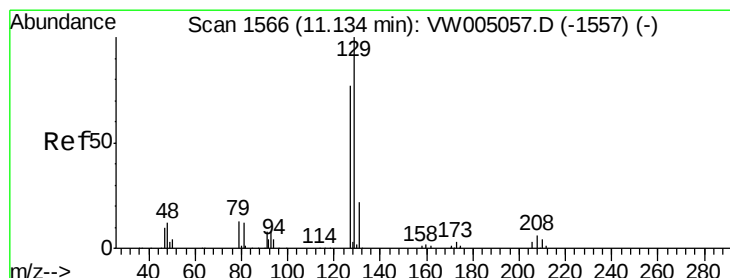
Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	28.7	86.3

Manual Integrations
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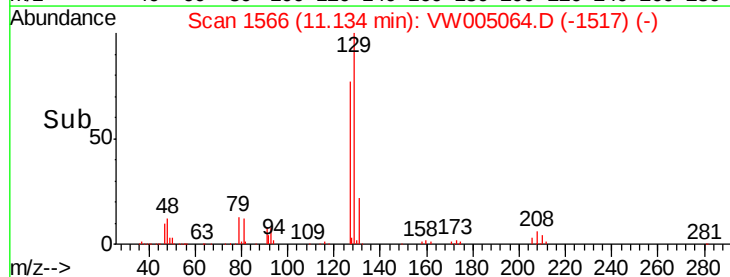
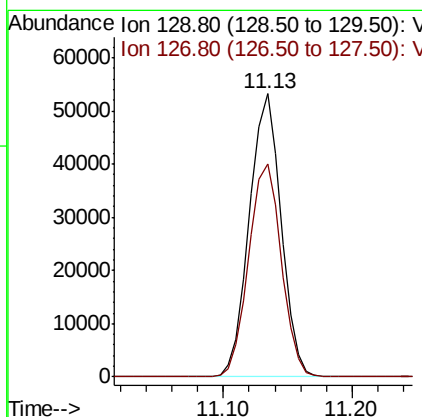
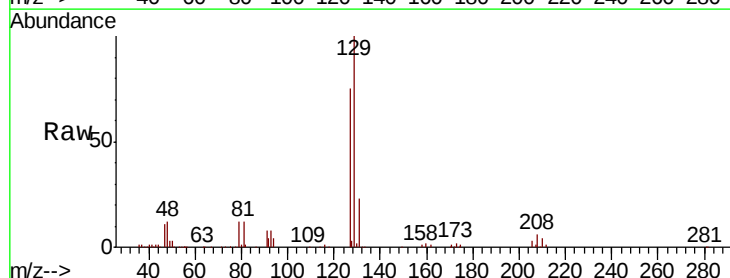
apatel

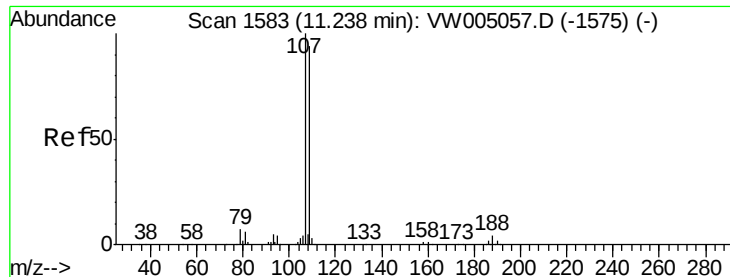
9/4/2018 9:37:27 AM



#60
Dibromochloromethane
Concen: 20.63 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.9	116.7





#61

1,2-Dibromoethane

Concen: 21.11 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD01

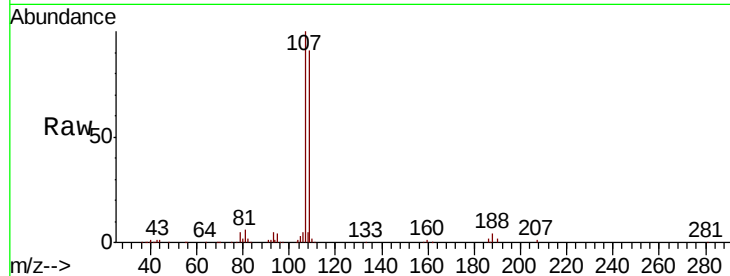
Tot Ion: 107 Resp: 73815

Ion Ratio Lower Upper

107 100

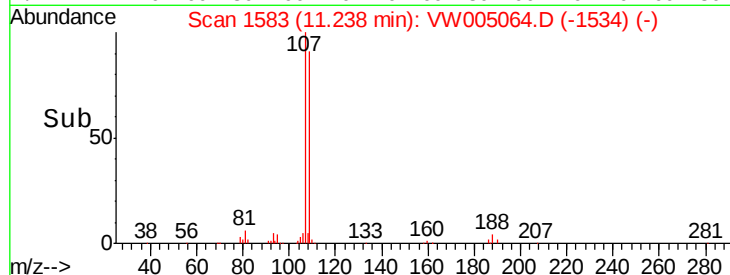
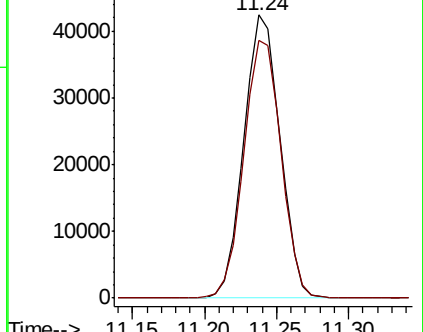
109 93.7 75.9 113.9

Manual Integrations
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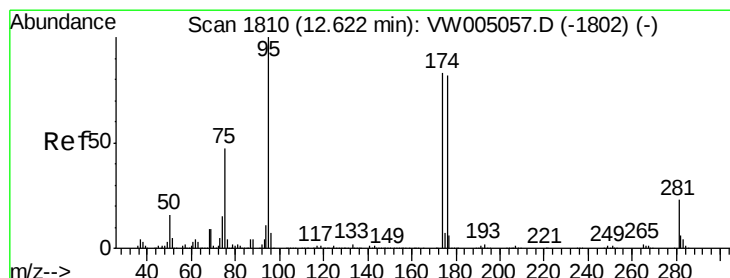
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



apatel

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#62

4-Bromofluorobenzene

Concen: 51.07 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

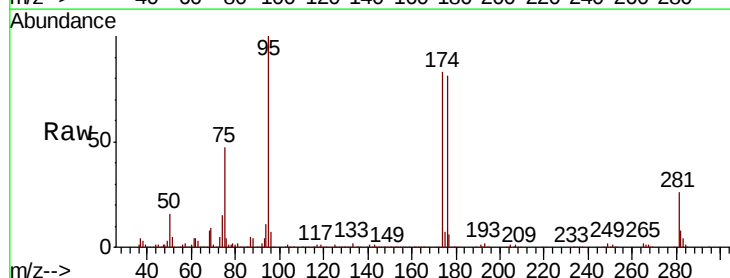
Tgt Ion: 95 Resp: 352166

Ion Ratio Lower Upper

95 100

174 86.8 0.0 173.4

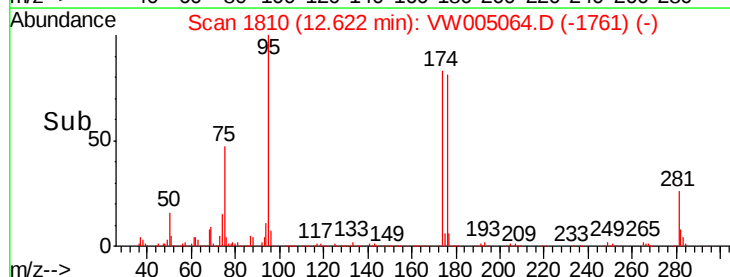
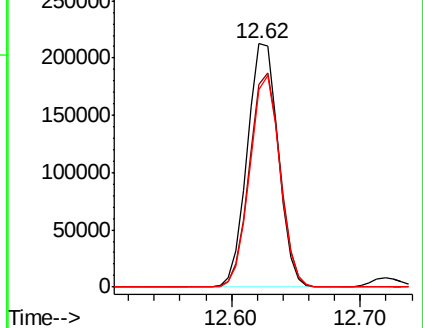
176 84.1 0.0 167.4

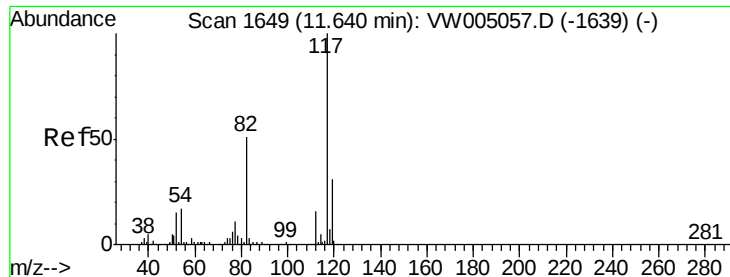


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



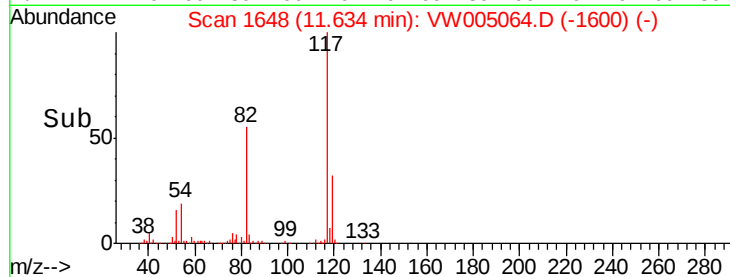
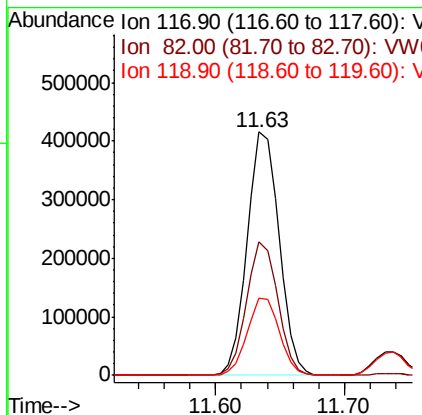
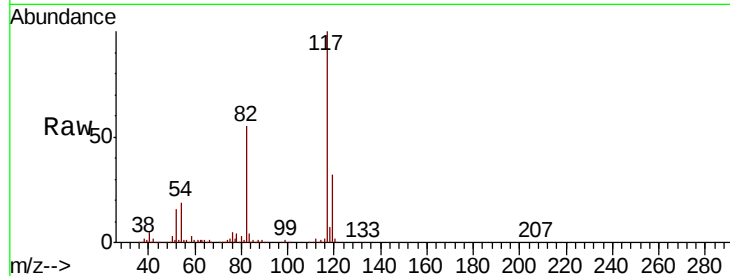


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD01

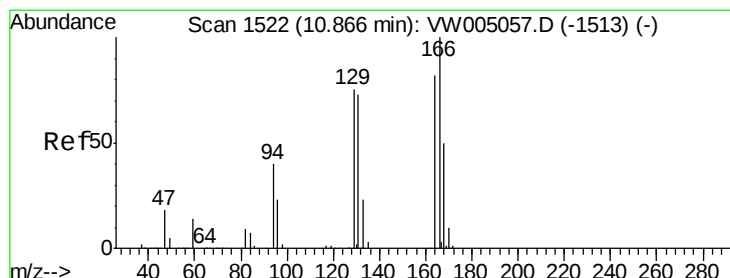
Tot Ion:	117	Resp:	712464
Ion Ratio	Lower	Upper	
117	100		
82	54.8	40.9	61.3
119	31.5	24.9	37.3

Manual Integrations
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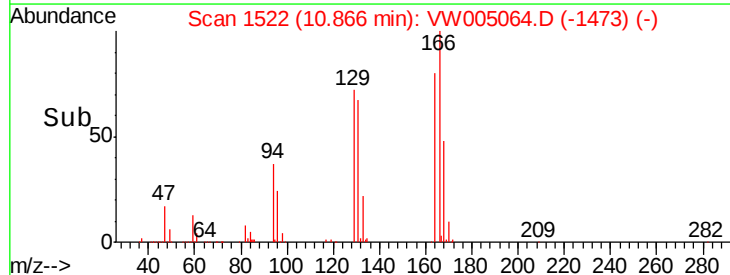
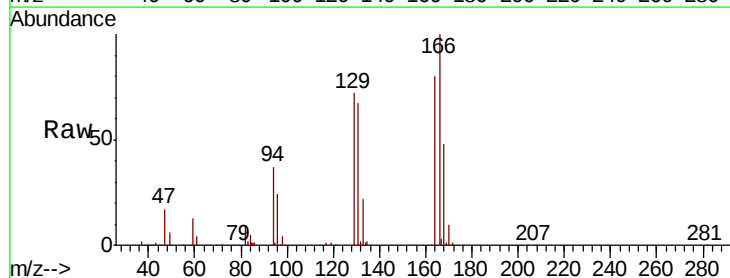
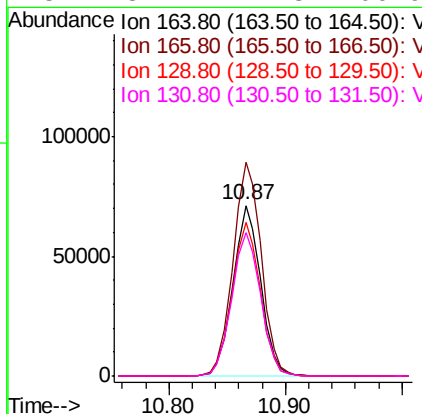
apatel

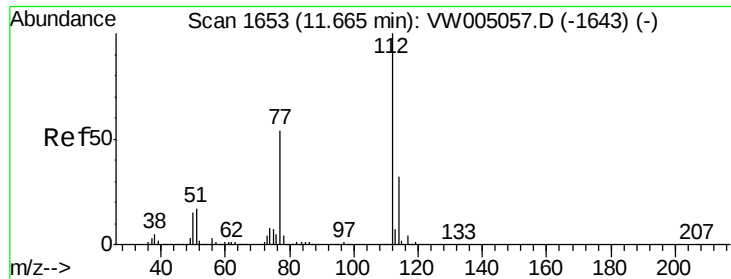
9/4/2018 9:37:27 AM



#64
Tetrachloroethene
Concen: 21.10 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion:	164	Resp:	117924
Ion Ratio	Lower	Upper	
164	100		
166	125.3	97.3	145.9
129	90.3	73.1	109.7
131	84.4	71.3	106.9



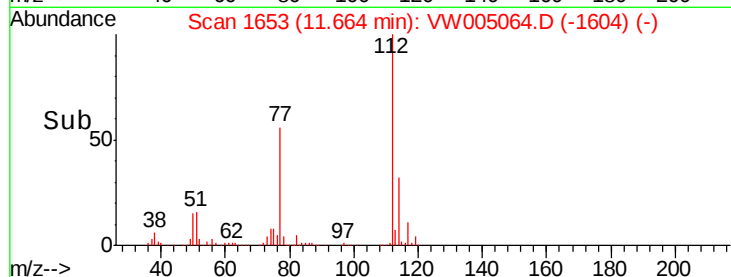
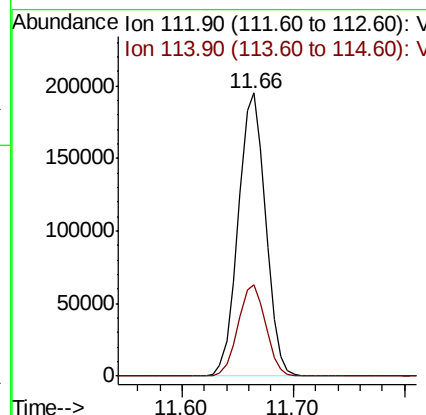
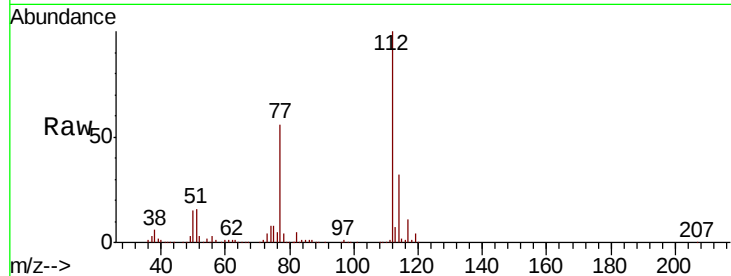


#65
Chlorobenzene
Concen: 20.69 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

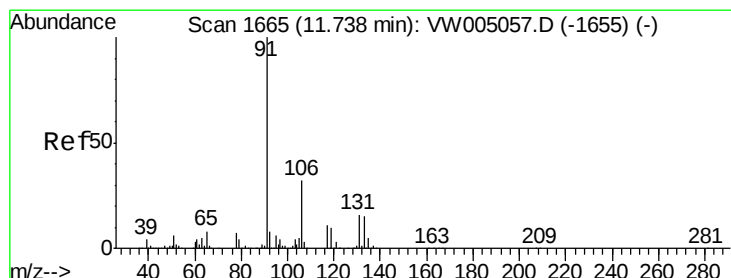
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

Manual Integrations
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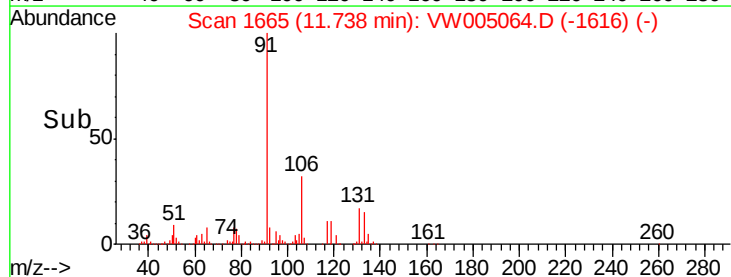
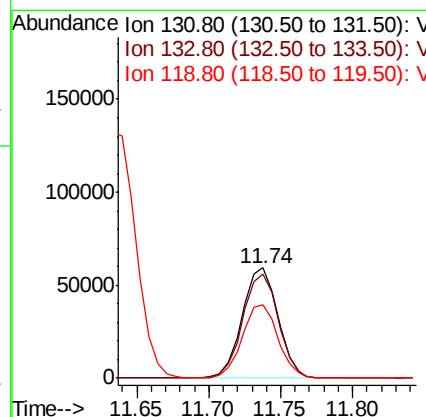
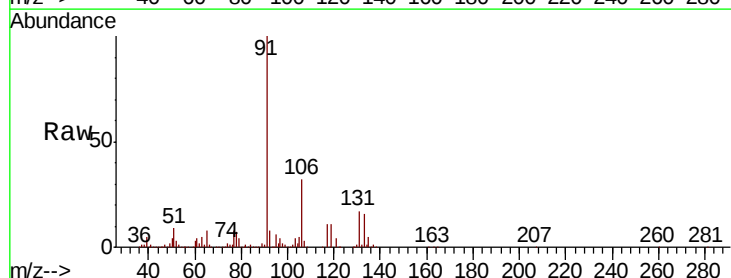
apatel

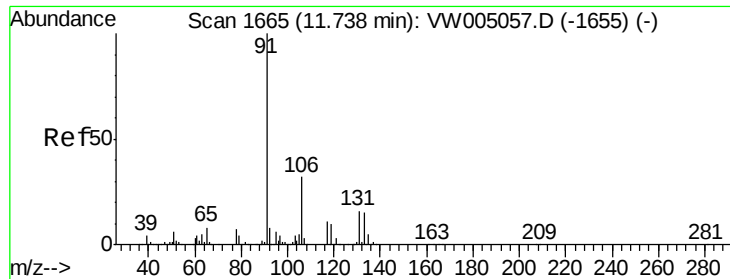
9/4/2018 9:37:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.72 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.3
119	66.8	33.4	100.1



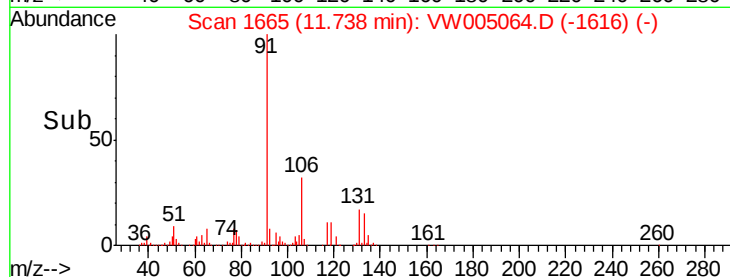
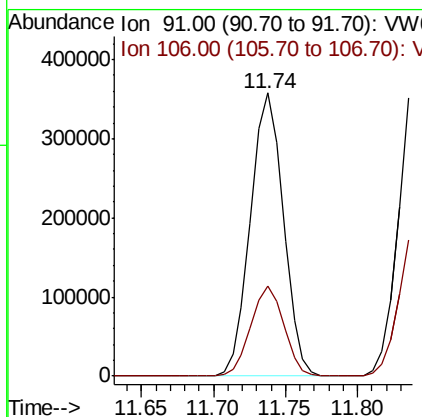
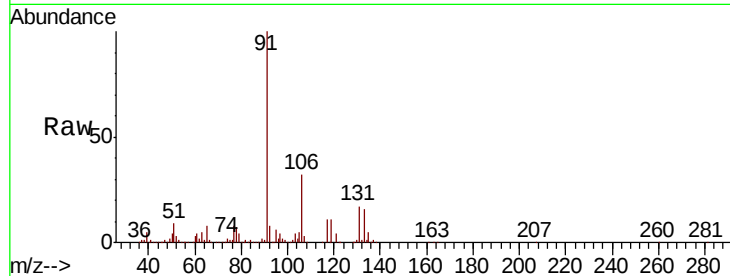


#67
Ethyl Benzene
Concen: 20.92 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

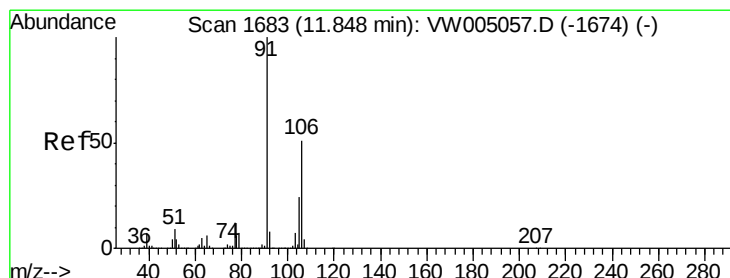
Tot Ion: 91 Resp: 567198
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

Manual Integrations
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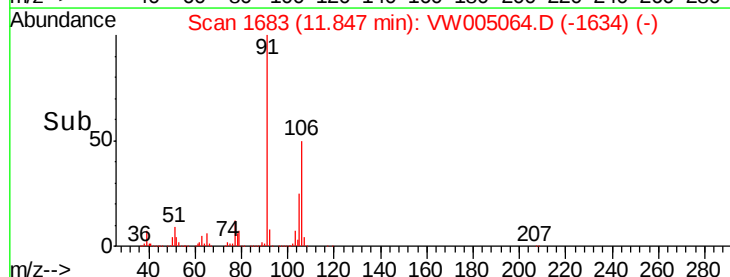
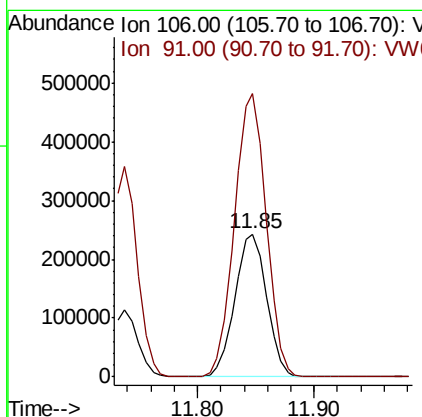
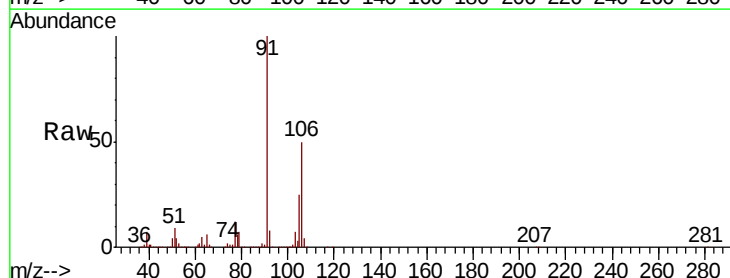
apatel

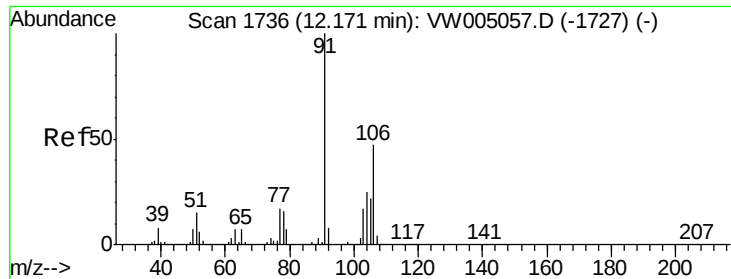
9/4/2018 9:37:27 AM



#68
m/p-Xylenes
Concen: 42.62 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion: 106 Resp: 462682
Ion Ratio Lower Upper
106 100
91 197.8 158.4 237.6



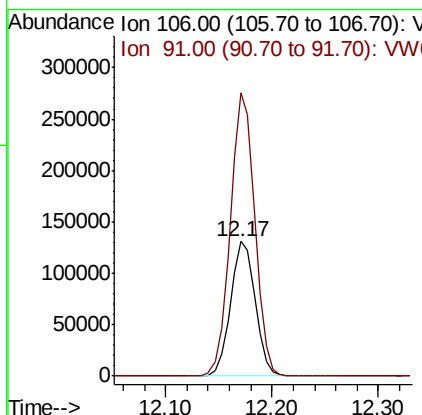
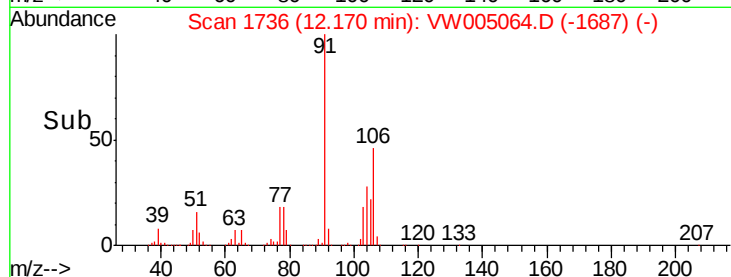
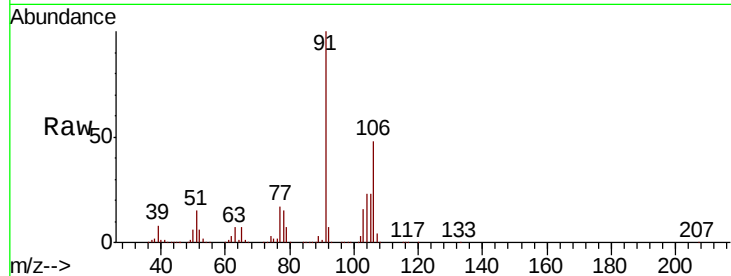


#69
o-Xylene
Concen: 21.21 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

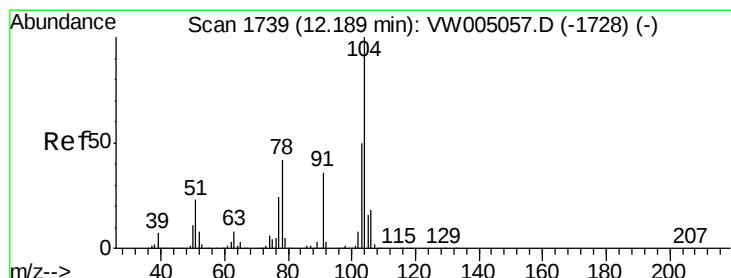
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.9	105.6	316.8	

Manual Integrations
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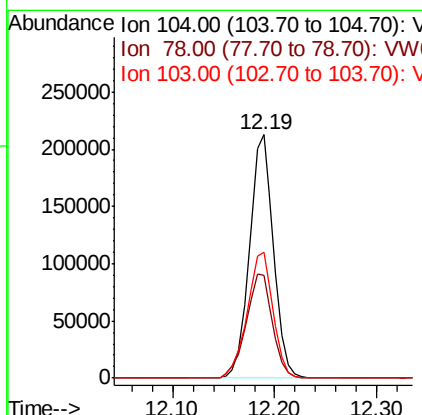
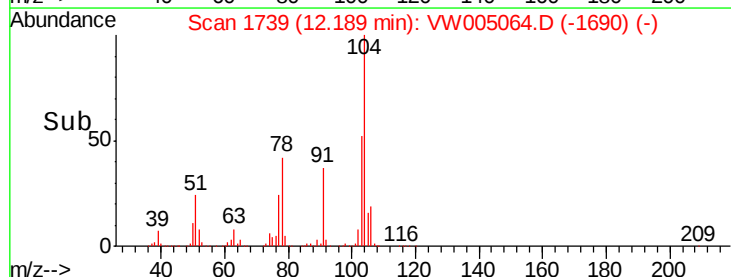
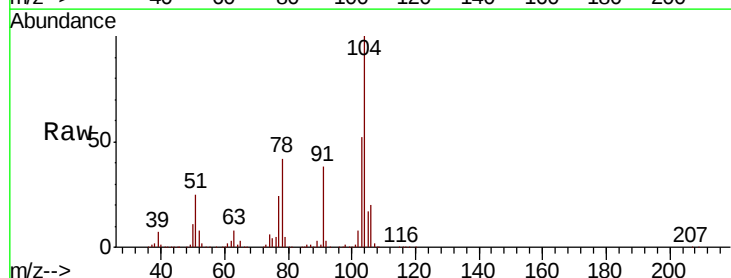
apatel

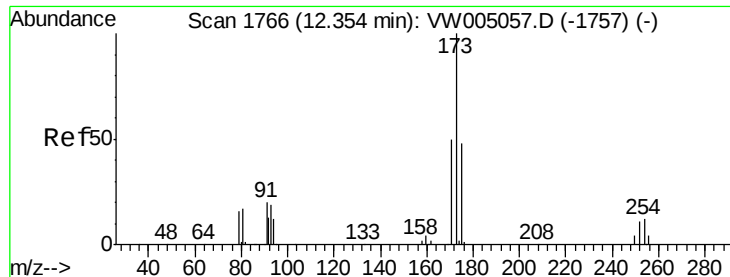
9/4/2018 9:37:27 AM



#70
Styrene
Concen: 21.00 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.9	37.8	56.6	
103	56.0	44.1	66.1	



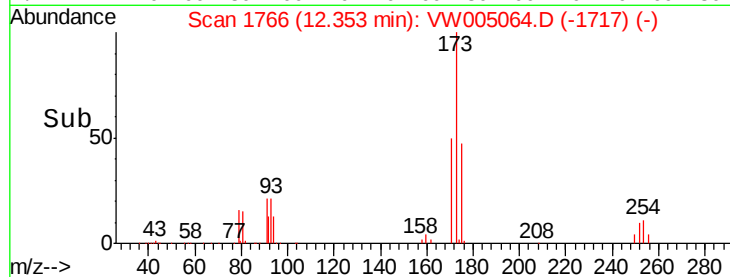
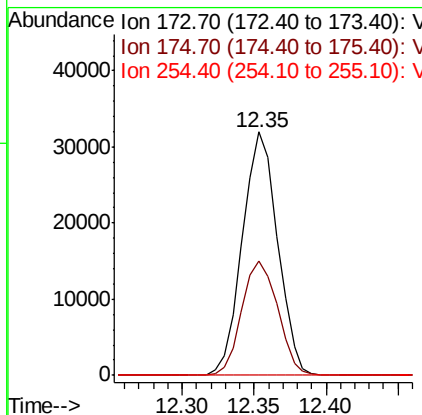
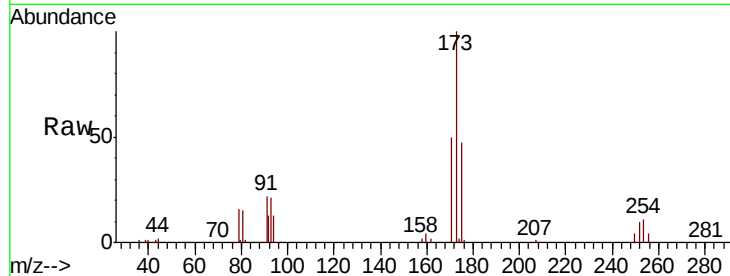


#71
Bromoform
Concen: 20.89 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

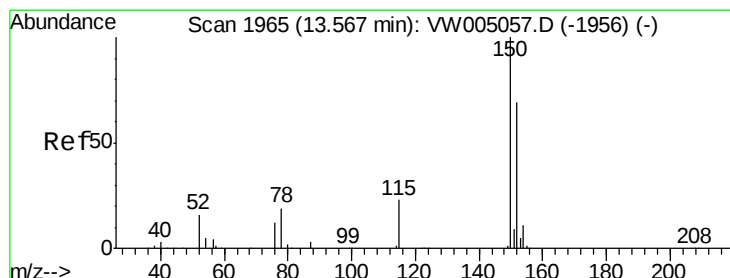
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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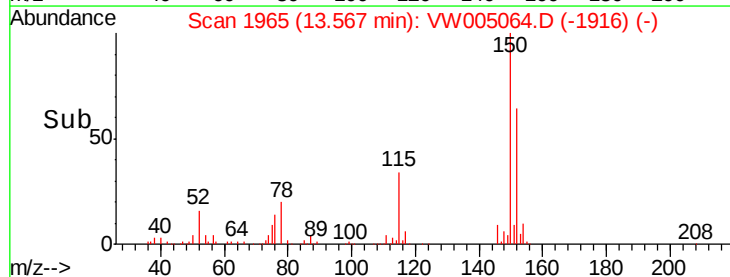
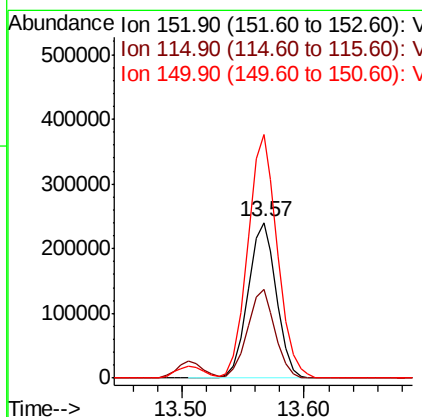
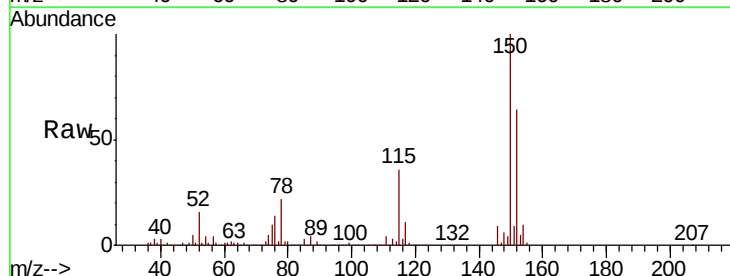
apatel

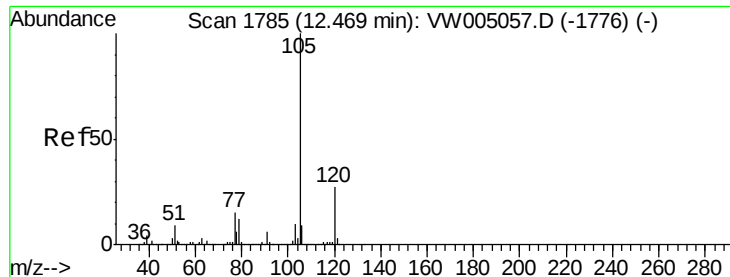
9/4/2018 9:37:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	163.3	0.0	351.4





#73

Isopropylbenzene

Concen: 20.82 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

MSVOA_W

ClientSampled :

VW0901SBS01

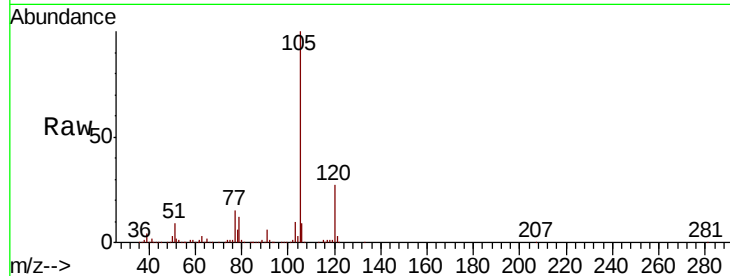
Tot Ion: 105 Resp: 565101

Ion Ratio Lower Upper

105 100

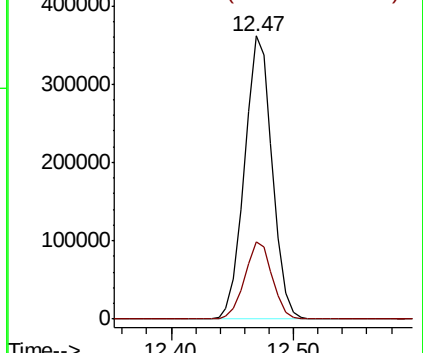
120 27.2 13.4 40.1

Manual Integrations
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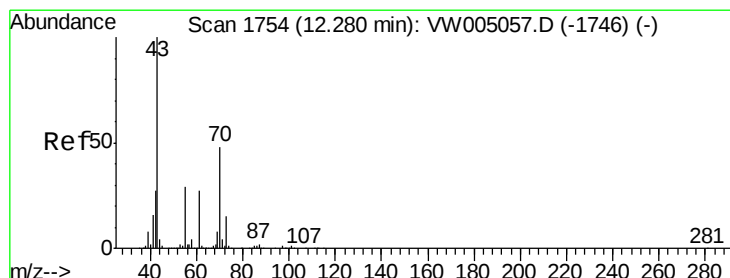
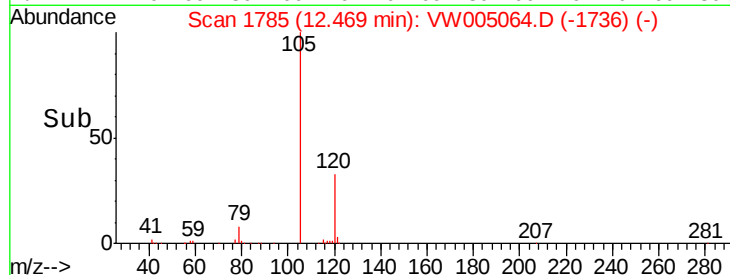
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



apatel

9/4/2018 9:37:27 AM



#74

N-ethyl acetate

Concen: 19.97 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Tgt Ion: 43 Resp: 93335

Ion Ratio Lower Upper

43 100

70 47.6 38.2 57.4

55 30.0 23.2 34.8

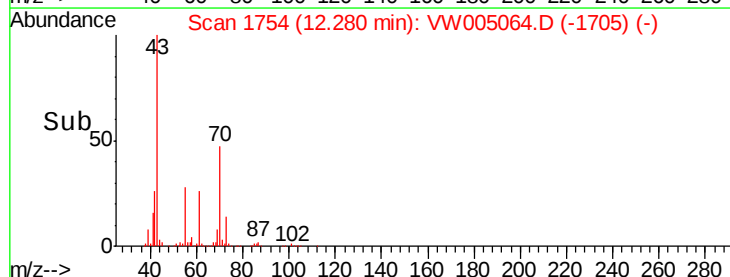
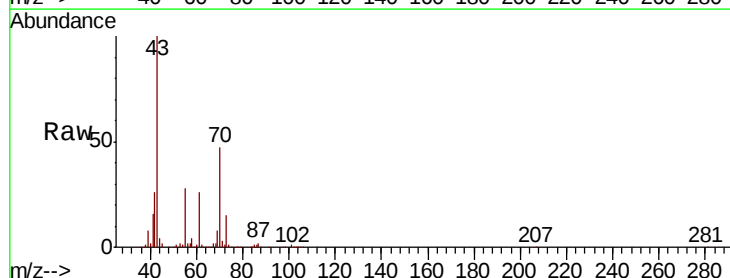
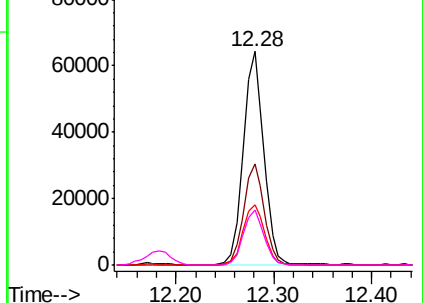
61 26.0 20.6 31.0

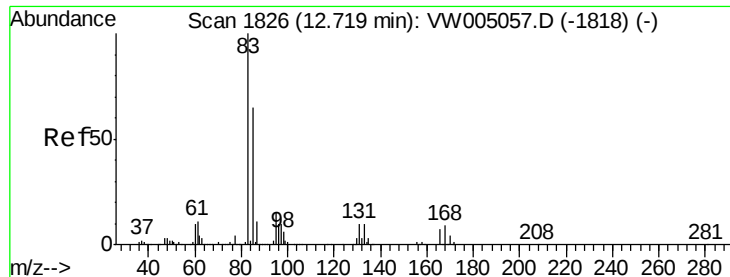
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 21.07 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

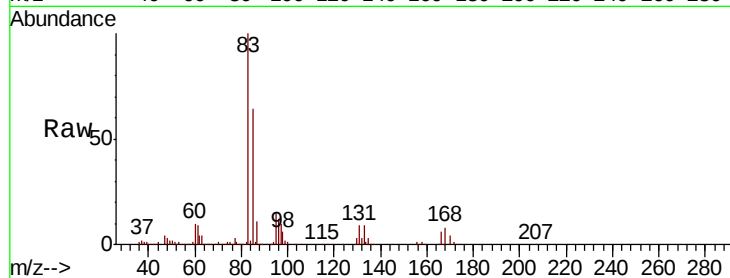
MSVOA_W

ClientSampled :

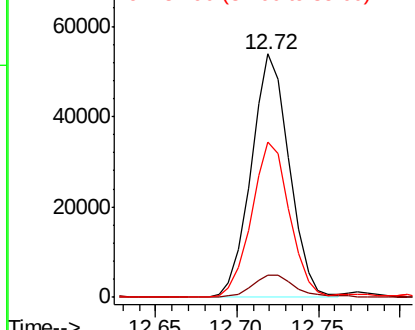
VW0901SBSD01

Tot Ion:	83	Resp:	87049
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	64.0	32.5	97.4

Manual Integrations
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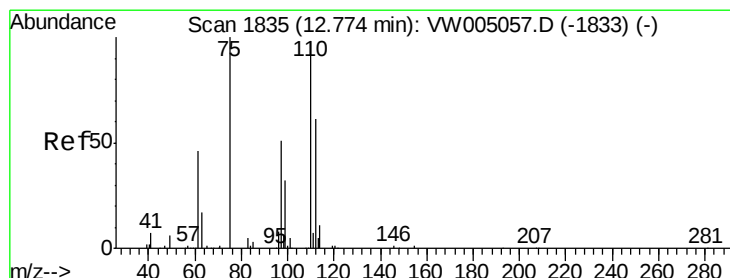
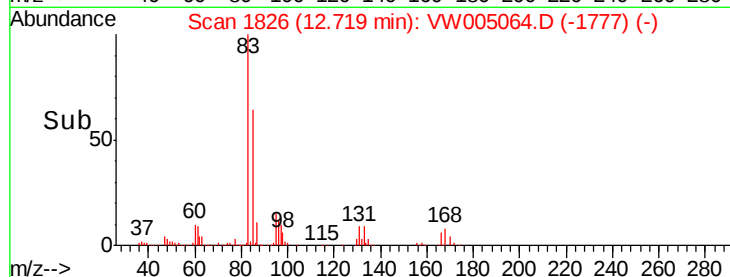


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



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#76

1,2,3-Trichloropropane

Concen: 19.79 ug/l m

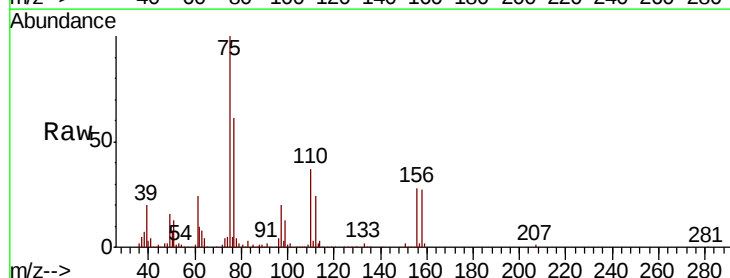
RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

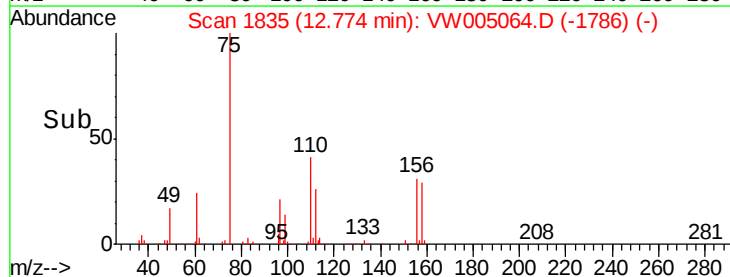
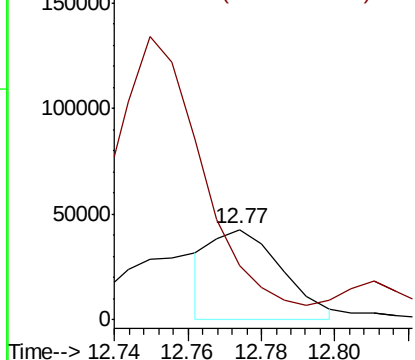
Lab File: VW005064.D

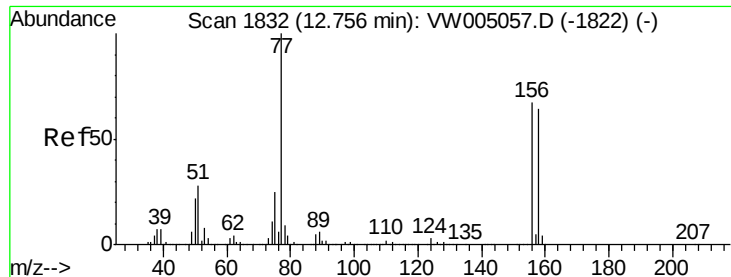
Acq: 01 Sep 2018 04:52

Tgt Ion:	75	Resp:	57174
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



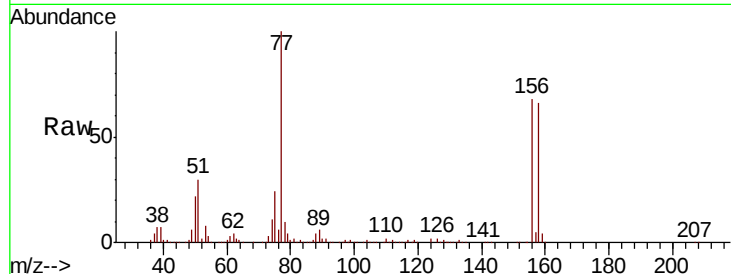


#77
Bromobenzene
Concen: 20.61 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

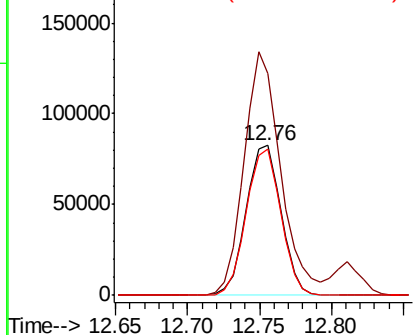
Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.6	48.1	144.4

Manual Integrations
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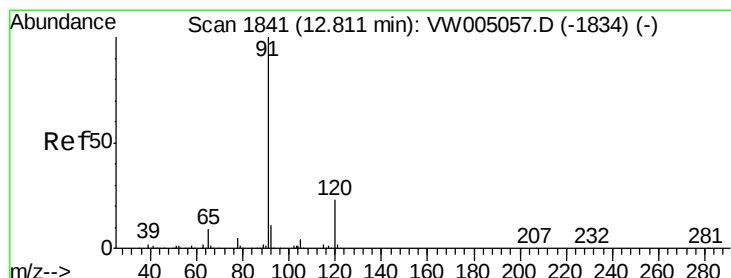
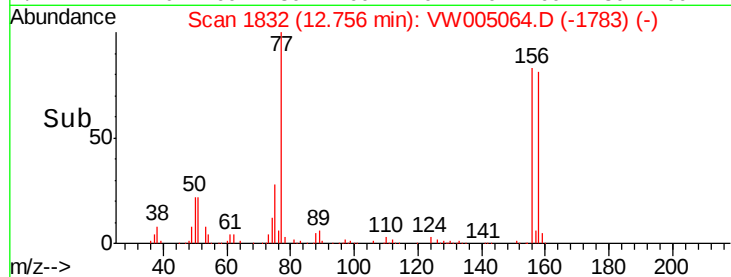


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



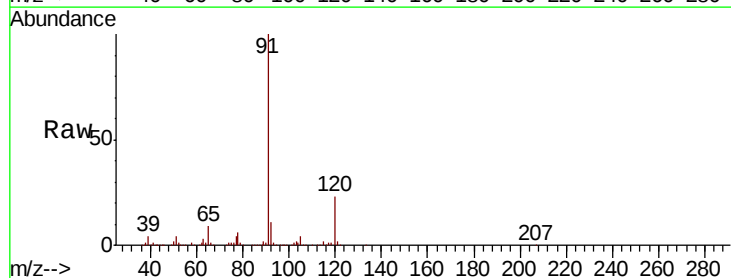
apatel

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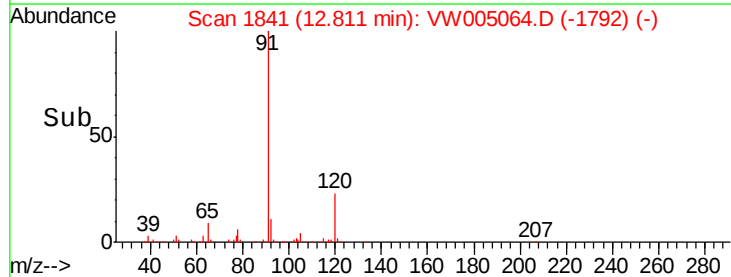
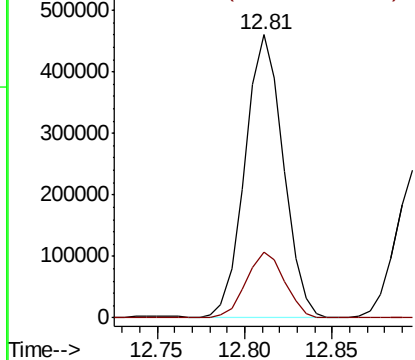


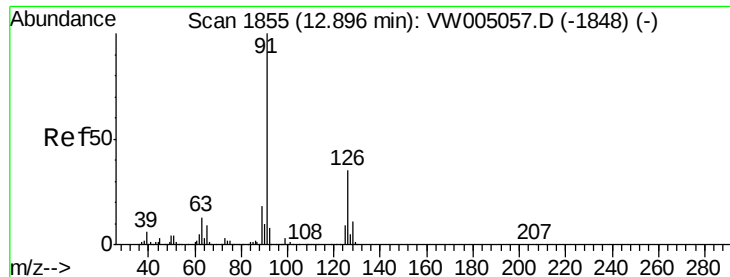
#78
n-propylbenzene
Concen: 21.34 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.91 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005064.D

Acq: 01 Sep 2018 04:52

Instrument :

MSVOA_W

ClientSampled :

VW0901SBSD01

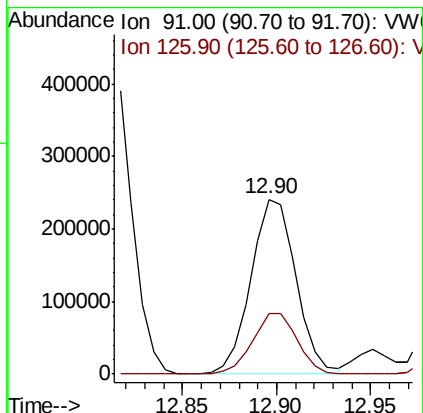
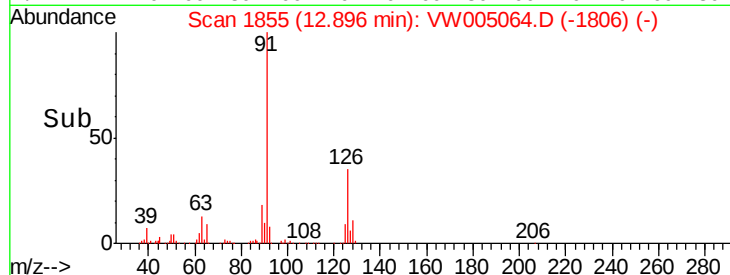
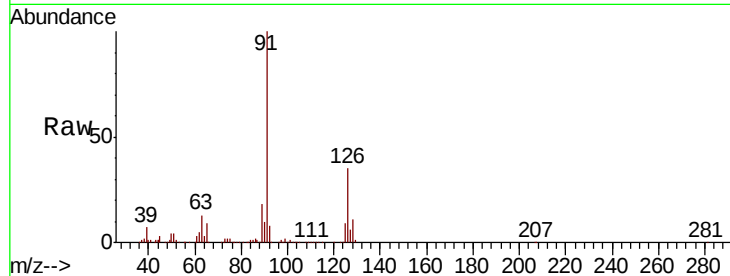
Tot Ion: 91 Resp: 399691

Ion Ratio Lower Upper

91 100

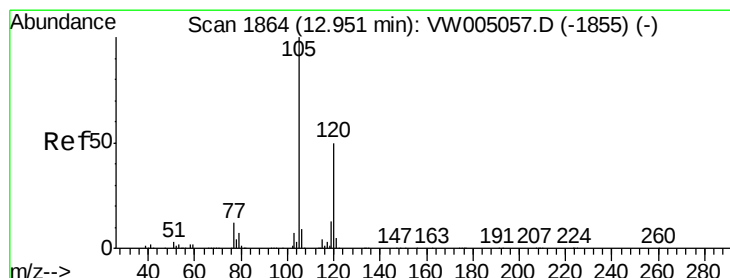
126 34.8 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.31 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005064.D

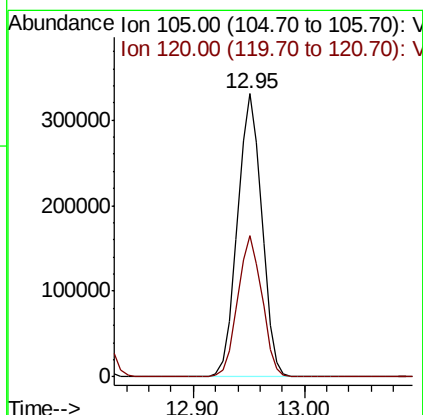
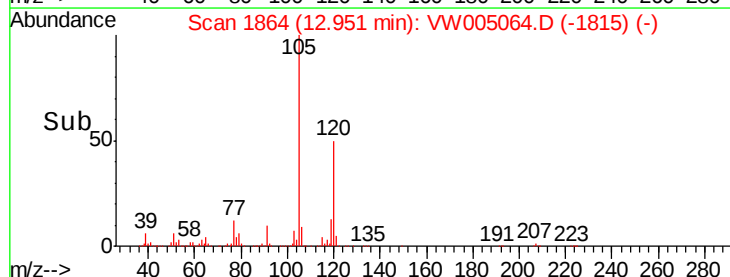
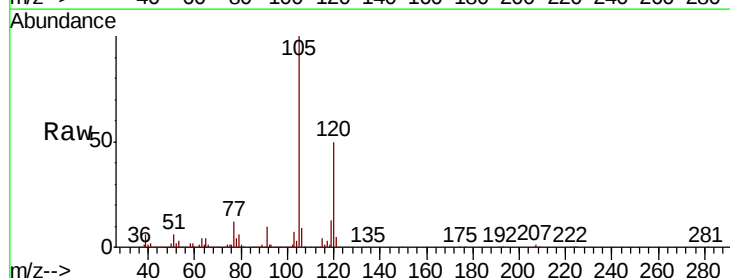
Acq: 01 Sep 2018 04:52

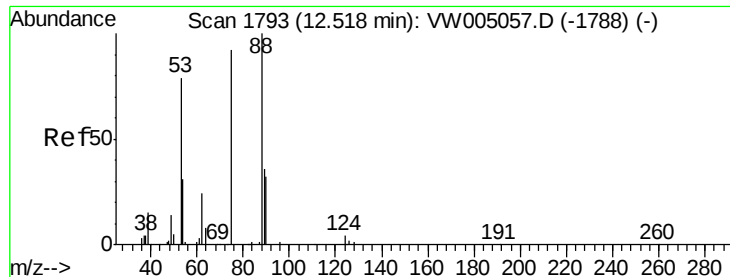
Tgt Ion: 105 Resp: 500267

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.8



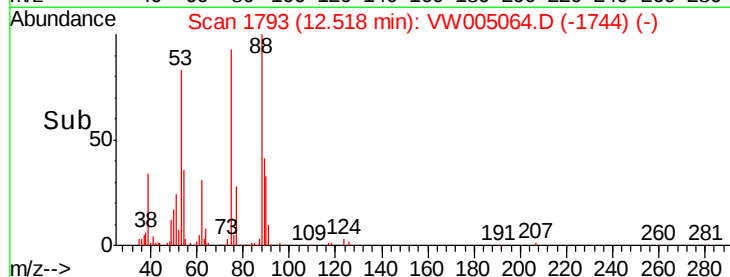
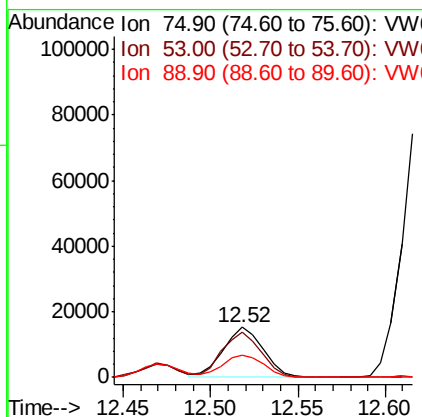
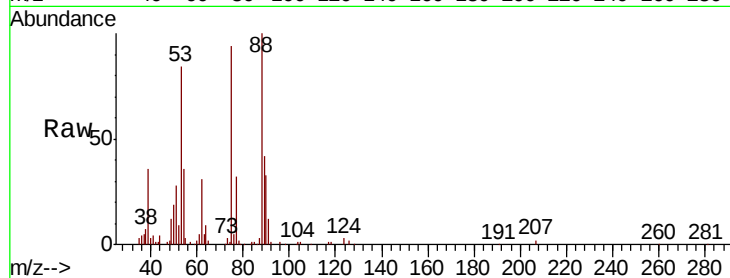


#81
trans-1,4-Dichloro-2-butene
Concen: 19.90 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

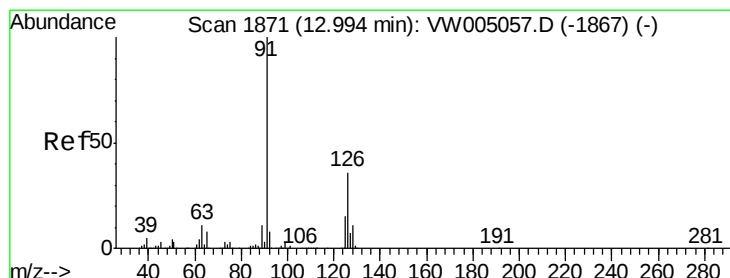
Tot Ion	Ratio	Lower	Upper
75	100		
53	89.5	69.8	104.8
89	47.0	36.0	54.0

Manual Integrations
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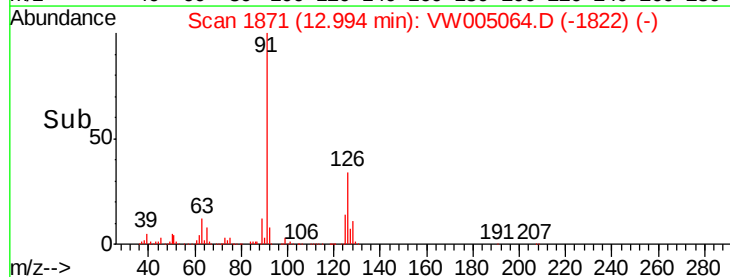
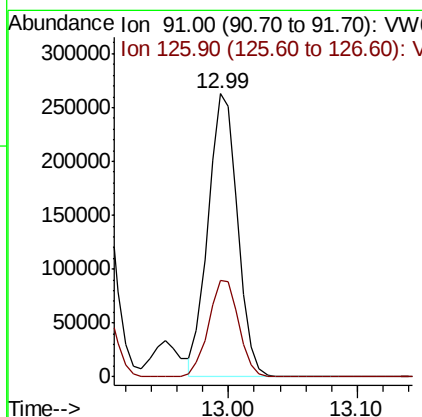
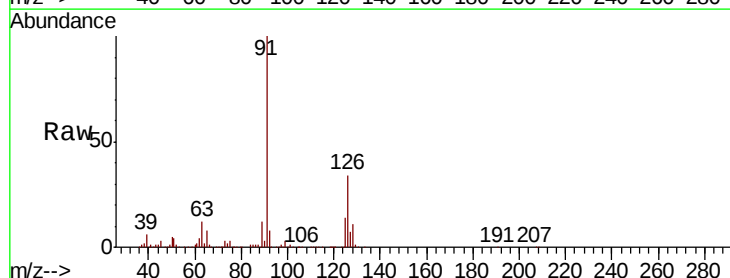
apatel

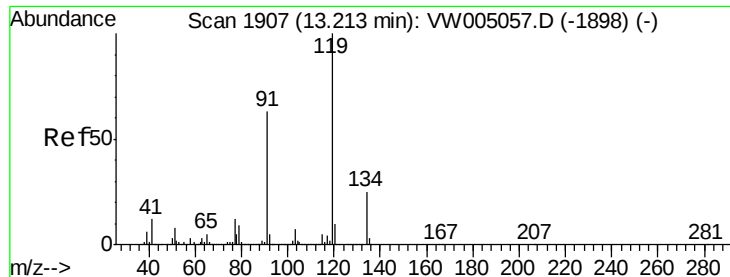
9/4/2018 9:37:27 AM



#82
4-Chlorotoluene
Concen: 20.80 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3



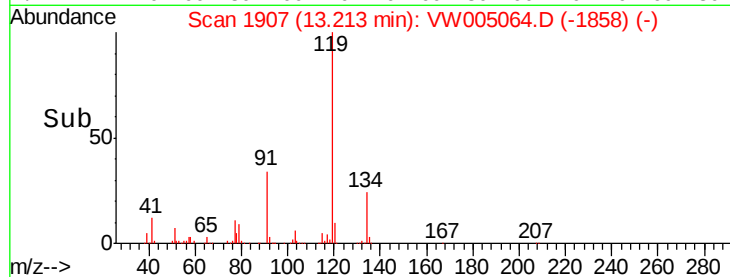
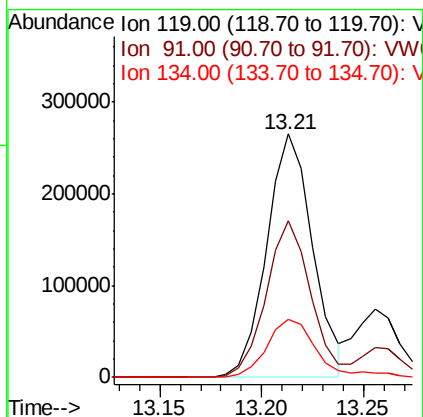
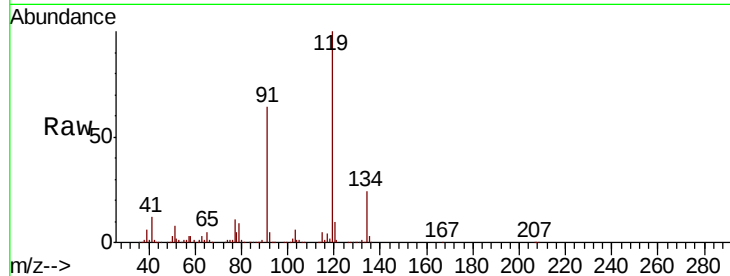


#83
tert-Butylbenzene
Concen: 21.23 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

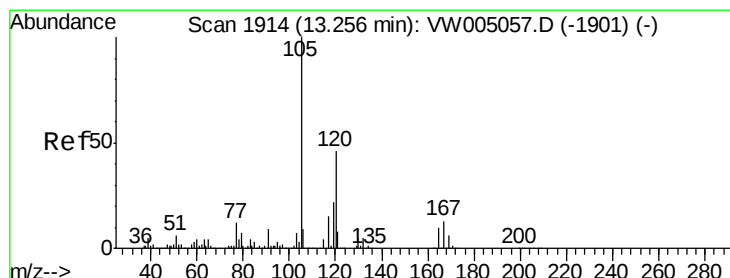
Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		416038		
91	63.2	31.8	95.4		
134	26.3	13.0	39.0		

Manual Integrations
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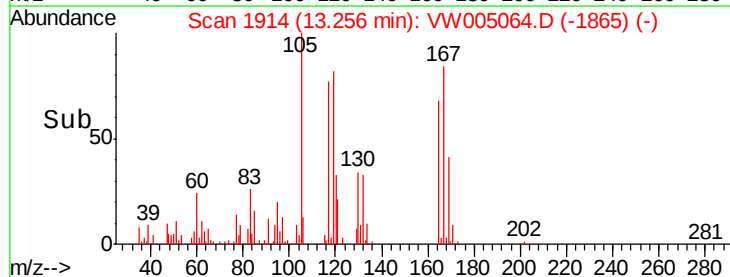
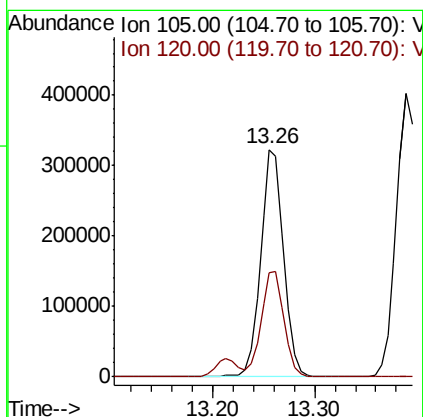
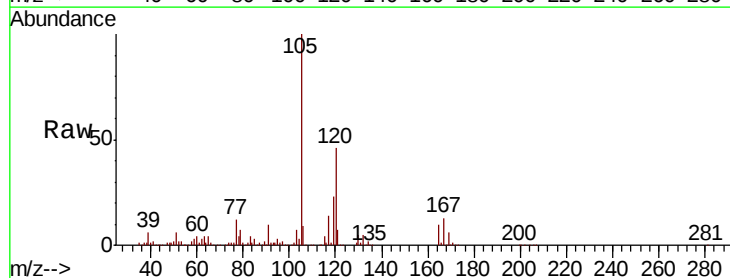
apatel

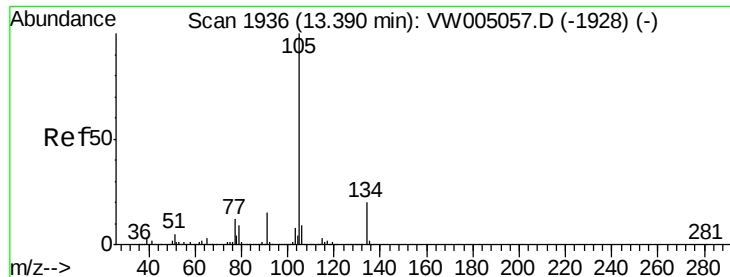
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#84
1,2,4-Trimethylbenzene
Concen: 21.13 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		505018		
120	46.2	23.1	69.3		



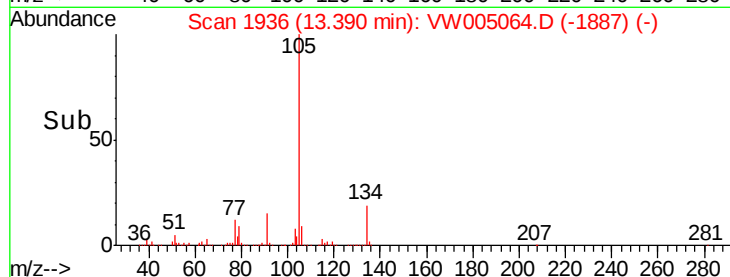
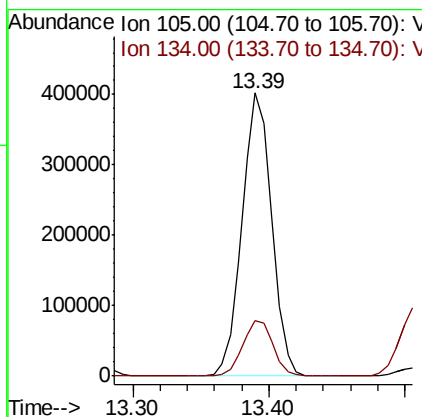
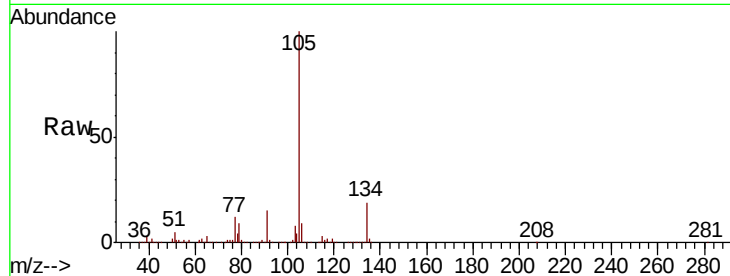


#85
 sec-Butylbenzene
 Concen: 21.24 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBSD01

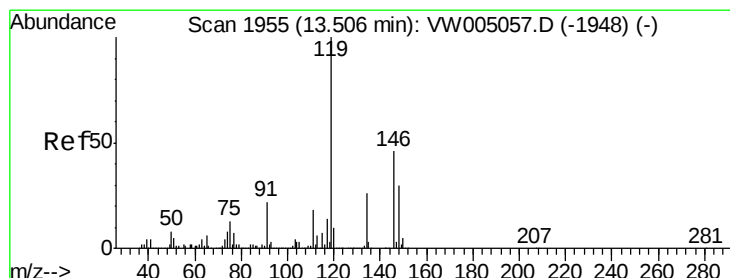
Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

Manual Integrations
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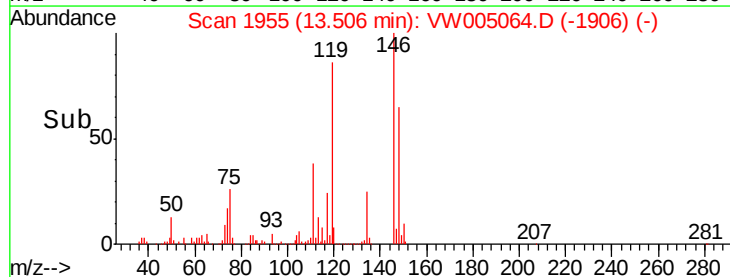
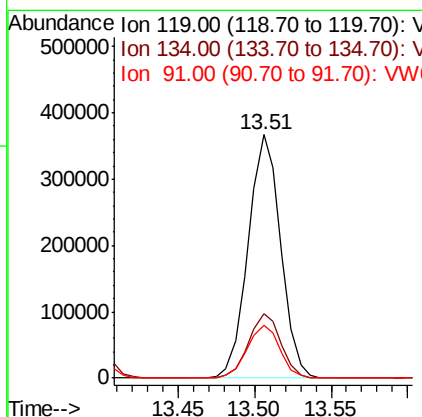
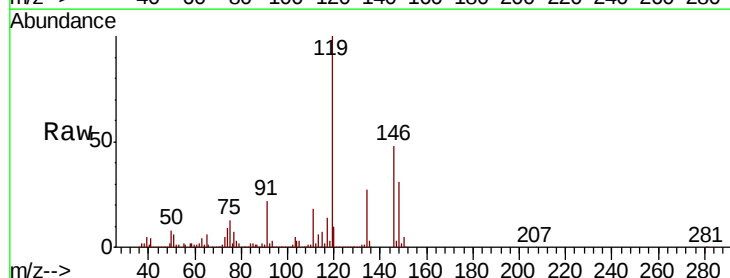
apatel

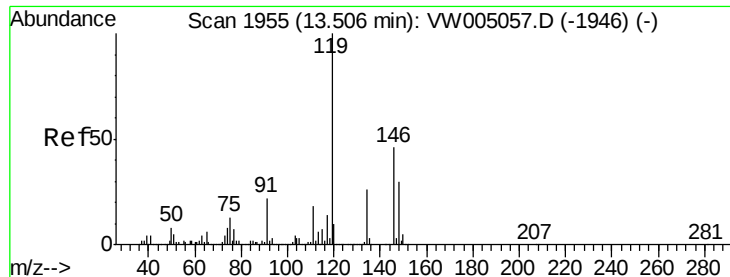
9/4/2018 9:37:27 AM



#86
 p-Isopropyltoluene
 Concen: 21.21 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	21.7	10.9	32.9



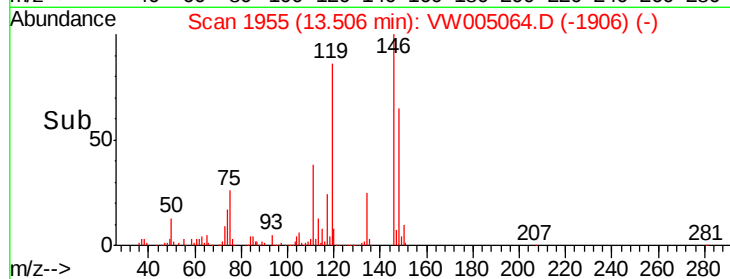
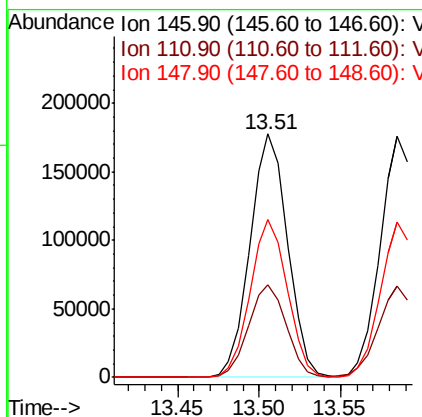
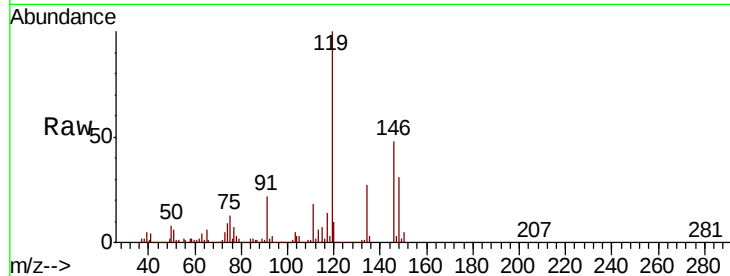


#87
 1,3-Dichlorobenzene
 Concen: 20.74 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBSD01

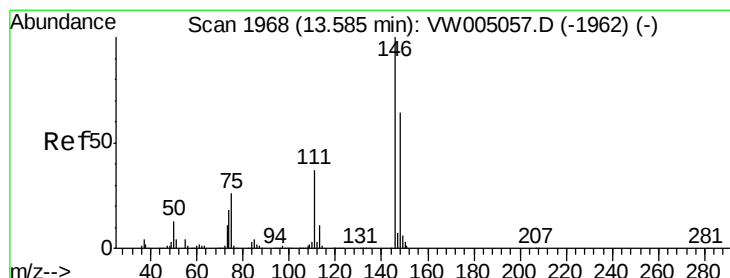
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	64.1	31.9	95.7

Manual Integrations
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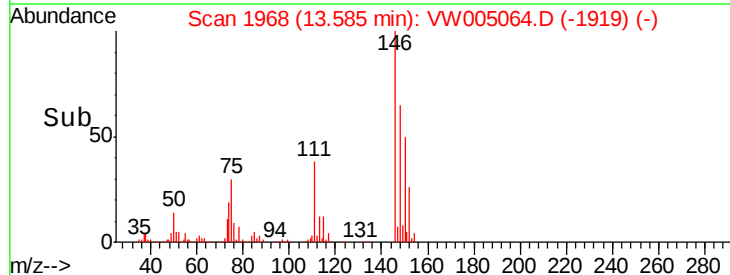
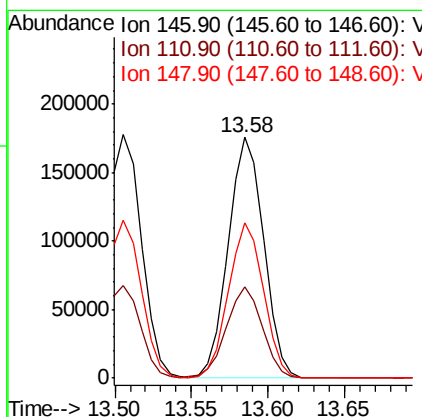
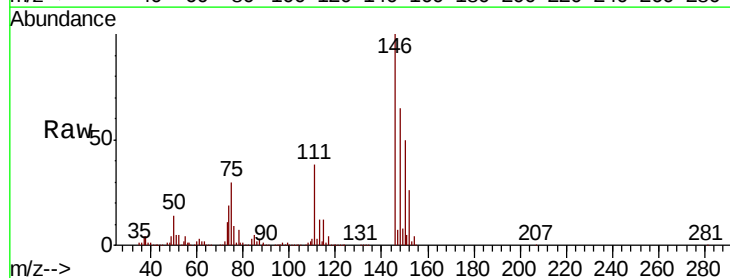
apatel

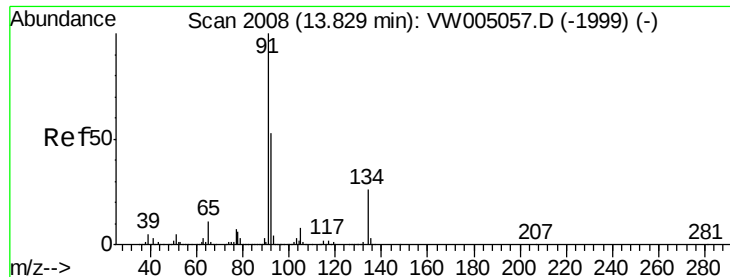
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#88
 1,4-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	56.0
148	63.9	32.0	96.0



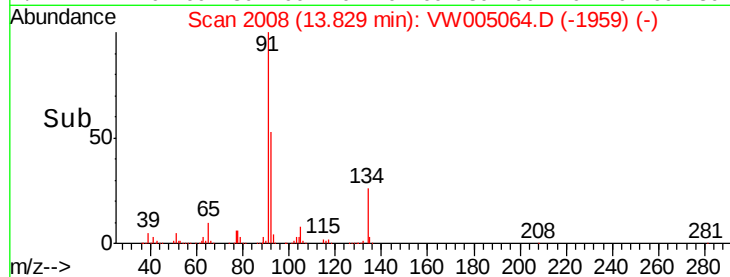
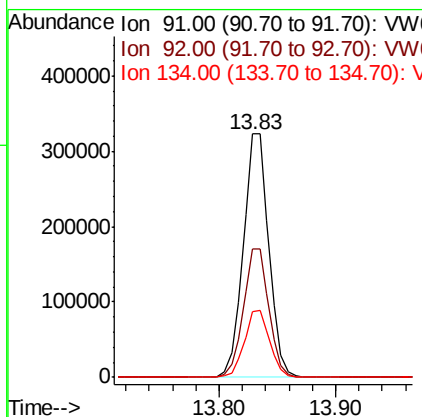
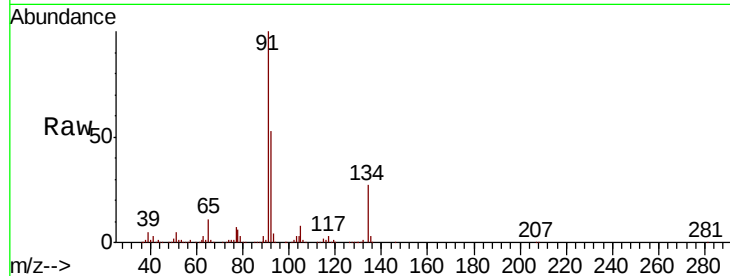


#89
n-Butylbenzene
Concen: 20.80 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

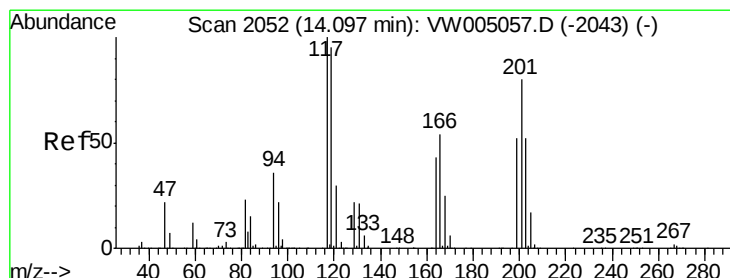
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.2	13.5	40.4

Manual Integrations
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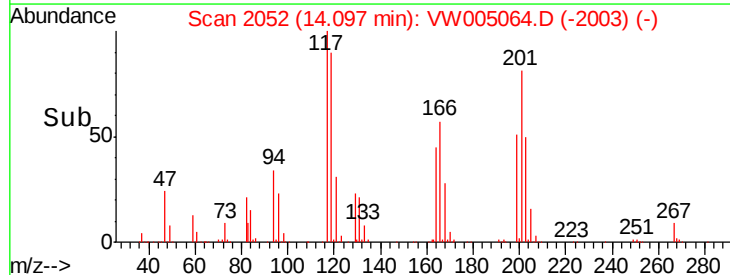
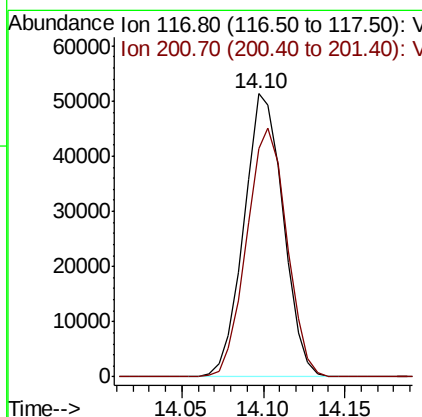
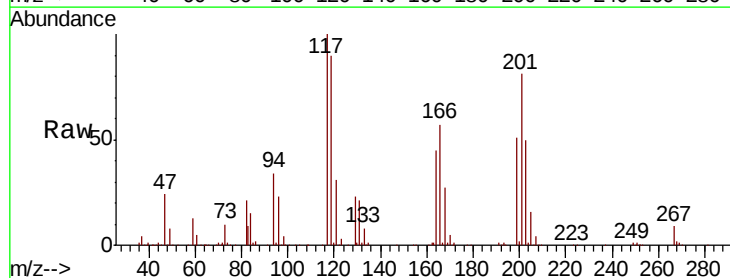
apatel

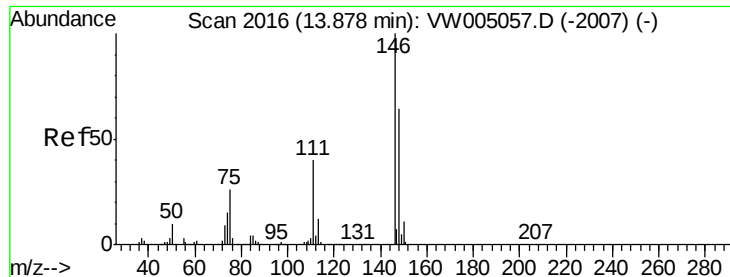
9/4/2018 9:37:27 AM



#90
Hexachloroethane
Concen: 20.45 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	44.6	133.8



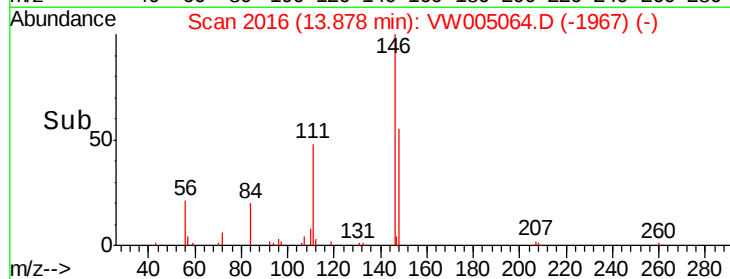
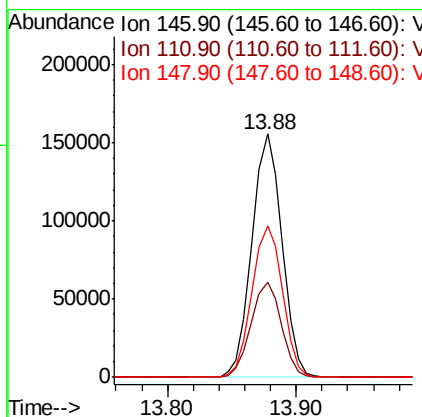
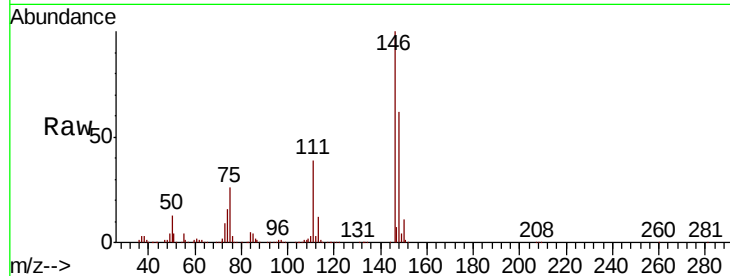


#91
 1,2-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

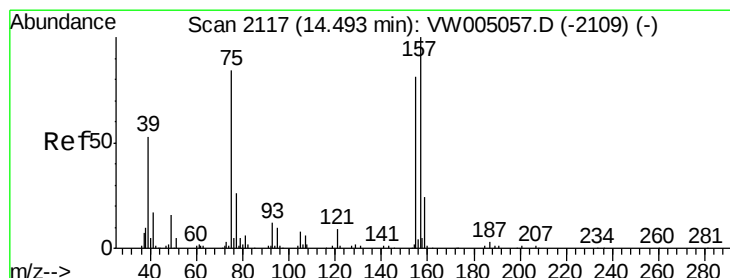
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	63.1	31.9	95.9

Manual Integrations
 APPROVED



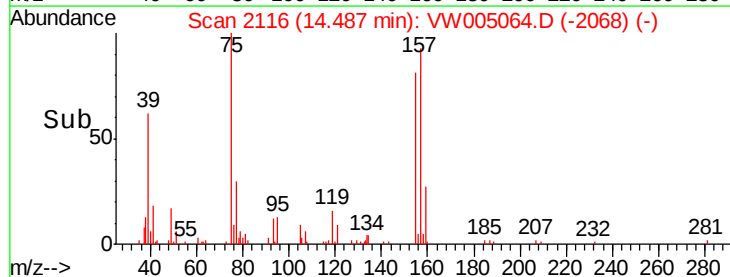
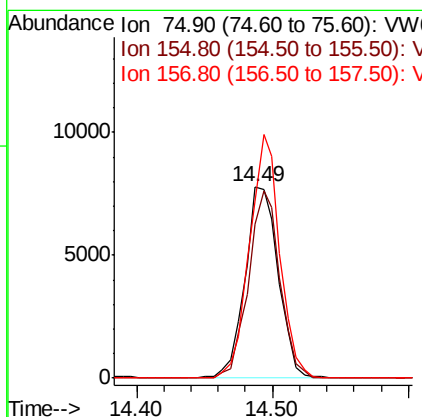
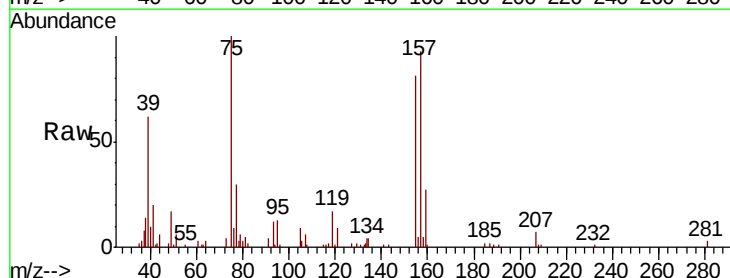
apatel

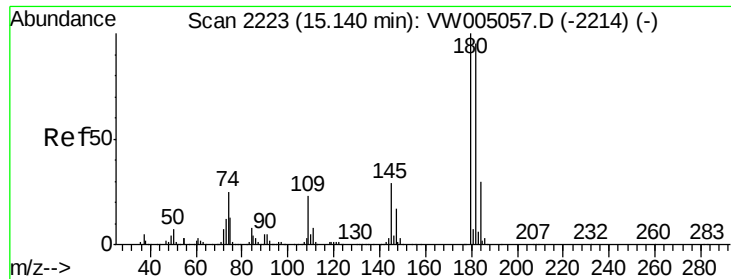
9/4/2018 9:37:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.72 ug/l
 RT: 14.49 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	46.0	137.8
157	115.3	58.6	175.7



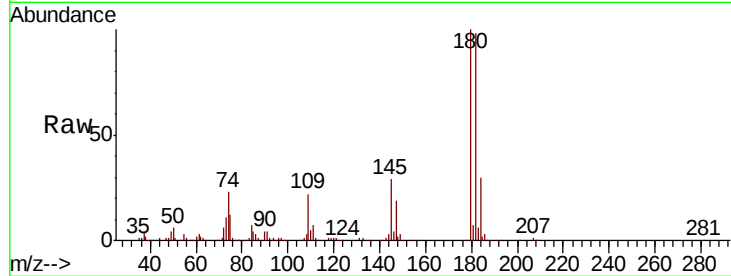


#93
 1,2,4-Trichlorobenzene
 Concen: 20.74 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

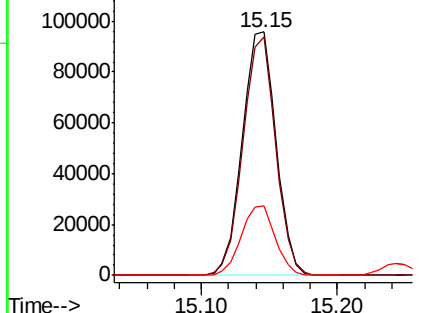
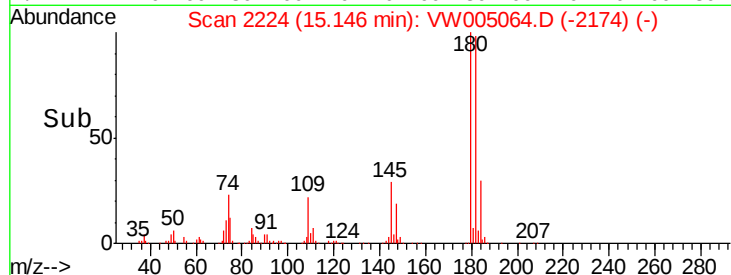
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166503		
182	94.6	47.5	142.6	
145	28.7	14.4	43.2	

Manual Integrations
 APPROVED

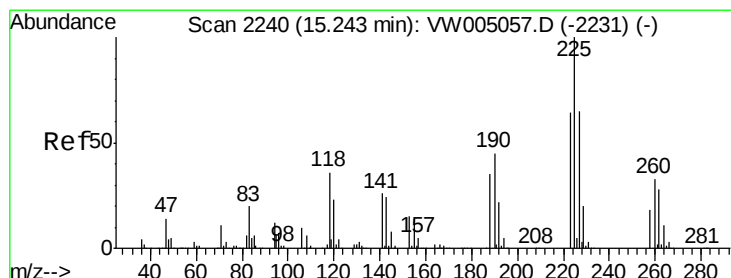


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



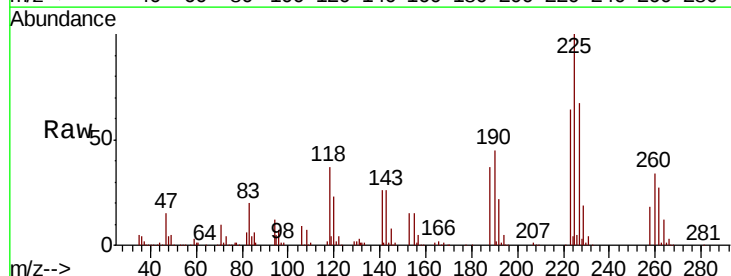
apatel

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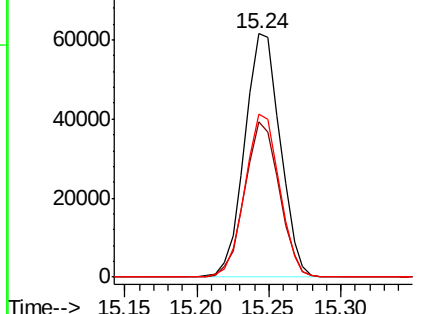
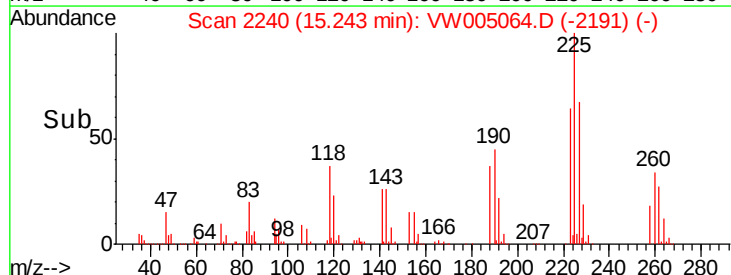


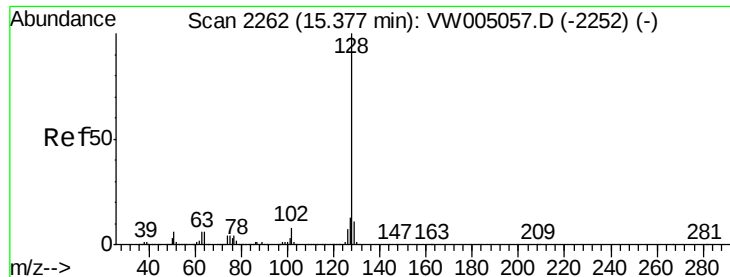
#94
 Hexachlorobutadiene
 Concen: 20.96 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW005064.D
 Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104643		
223	62.3	31.4	94.3	
227	65.2	32.0	96.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



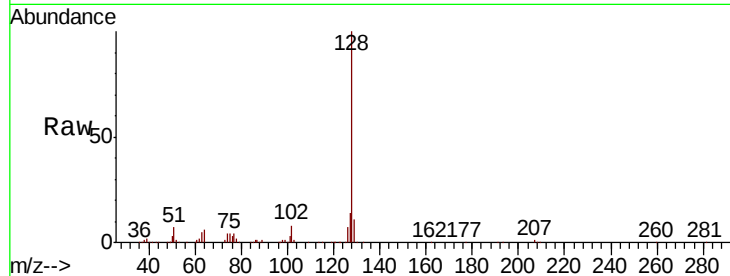


#95
Naphthalene
Concen: 21.06 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

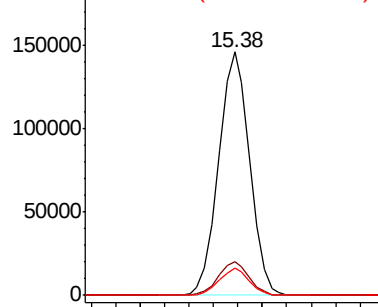


Abundance

Ion 128.00 (127.70 to 128.70): V

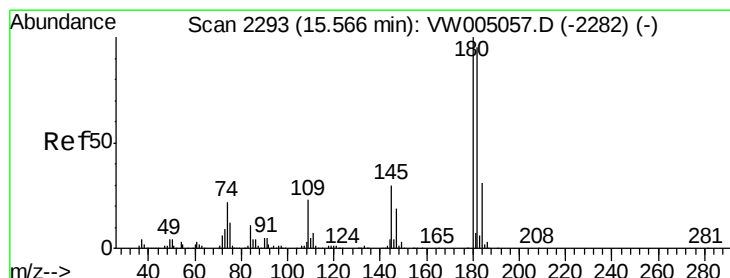
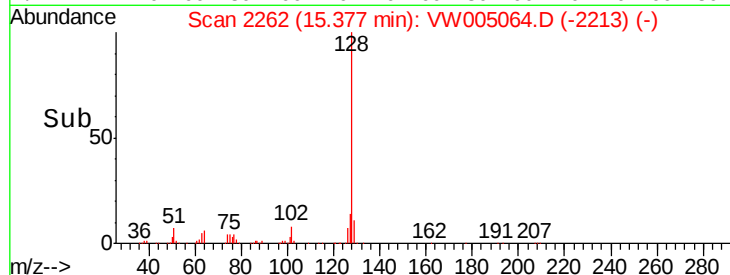
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



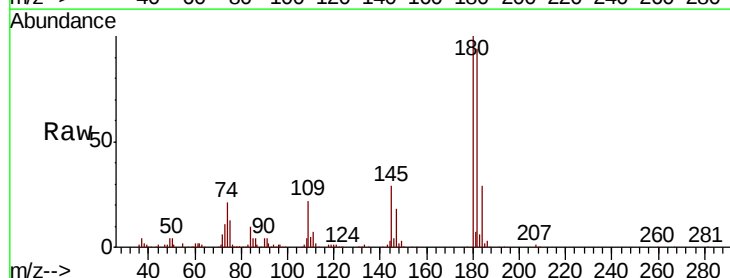
apatel

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#96
1,2,3-Trichlorobenzene
Concen: 20.57 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005064.D
Acq: 01 Sep 2018 04:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	30.2	15.4	46.1



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

