

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081318\
 Data File : VW004616.D
 Acq On : 11 Aug 2018 01:08
 Operator : SY/AP
 Sample : VW0813SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Manual Integrations
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 8/13/2018 12:57:22 PM

Quant Time: Aug 11 03:46:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	610993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	971183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	921468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	491233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	341999	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.88	113	331470	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.33	98	1302332	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.62	95	469821	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	90082	21.48	ug/l	98
3) Chloromethane	2.22	50	124715	21.35	ug/l	99
4) Vinyl Chloride	2.37	62	181851	22.29	ug/l	97
5) Bromomethane	2.78	94	106027	22.31	ug/l	95
6) Chloroethane	2.92	64	107350	22.02	ug/l	97
7) Trichlorofluoromethane	3.25	101	71472	23.71	ug/l	99
8) Diethyl Ether	3.68	74	79797	20.93	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	143773	21.60	ug/l	97
10) Methyl Iodide	4.26	142	217060	21.73	ug/l	99
11) Tert butyl alcohol	5.20	59	38460	97.12	ug/l	97
12) 1,1-Dichloroethene	4.04	96	140943	21.04	ug/l	96
13) Acrolein	3.89	56	45768	94.32	ug/l	99
14) Allyl chloride	4.66	41	218745	21.73	ug/l	100
15) Acrylonitrile	5.37	53	170645	100.72	ug/l	99
16) Acetone	4.13	43	172279	102.00	ug/l	97
17) Carbon Disulfide	4.38	76	463661	21.53	ug/l	99
18) Methyl Acetate	4.68	43	83728	19.88	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	185939	20.34	ug/l	96
20) Methylene Chloride	4.91	84	199189	18.58	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	153068	21.20	ug/l	98
22) Diisopropyl ether	6.31	45	462151	22.34	ug/l	97
23) Vinyl Acetate	6.26	43	1209823	97.31	ug/l	98
24) 1,1-Dichloroethane	6.21	63	284745	21.50	ug/l	99
25) 2-Butanone	7.18	43	255940	94.20	ug/l	98
26) 2,2-Dichloropropane	7.17	77	145623	20.95	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	165708	21.33	ug/l	98
28) Bromochloromethane	7.51	49	122969	21.34	ug/l	99
29) Tetrahydrofuran	7.54	42	133978	95.38	ug/l	98
30) Chloroform	7.68	83	277908	21.37	ug/l	98
31) Cyclohexane	7.96	56	252379	19.92	ug/l	92
32) 1,1,1-Trichloroethane	7.88	97	211741	21.67	ug/l	98
36) 1,1-Dichloropropene	8.09	75	218717	20.92	ug/l	99
37) Ethyl Acetate	7.26	43	93124	19.01	ug/l	98
38) Carbon Tetrachloride	8.07	117	194762	20.70	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251525	19.62	ug/l	97
40) Benzene	8.32	78	657021	21.40	ug/l	100
41) Methacrylonitrile	7.49	41	51522	18.84	ug/l	98
42) 1,2-Dichloroethane	8.40	62	174320	20.52	ug/l	100
43) Isopropyl Acetate	8.43	43	162838	19.07	ug/l	99
44) Trichloroethene	9.09	130	156636	20.76	ug/l	99
45) 1,2-Dichloropropane	9.37	63	163528	21.26	ug/l	100
46) Dibromomethane	9.46	93	79447	20.29	ug/l	99
47) Bromodichloromethane	9.65	83	188437	20.39	ug/l	100
48) Methyl methacrylate	9.44	41	76597	19.20	ug/l	100
49) 1,4-Dioxane	9.47	88	24719	413.87	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	567615	95.52	ug/l	99
52) Toluene	10.39	92	394231	21.77	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	178928	19.28	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	218505	20.21	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	113516	20.23	ug/l	99
56) Ethyl methacrylate	10.65	69	126270	18.80	ug/l	99
57) 1,3-Dichloropropane	10.94	76	195008	20.16	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	325911	97.03	ug/l	99
59) 2-Hexanone	10.98	43	377321	93.65	ug/l	98
60) Dibromochloromethane	11.13	129	123205	20.19	ug/l	99
61) 1,2-Dibromoethane	11.24	107	105492	20.01	ug/l	99
64) Tetrachloroethene	10.87	164	139345	21.68	ug/l	97
65) Chlorobenzene	11.66	112	426003	20.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	142992	20.68	ug/l	98
67) Ethyl Benzene	11.74	91	720812	20.94	ug/l	100
68) m/p-Xylenes	11.85	106	568621	42.74	ug/l	100
69) o-Xylene	12.17	106	260445	21.11	ug/l	100
70) Styrene	12.18	104	447962	21.49	ug/l	99
71) Bromoform	12.35	173	74367	19.57	ug/l	99
73) Isopropylbenzene	12.47	105	715800	21.07	ug/l	100
74) N-amyl acetate	12.28	43	151948	18.44	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	138517	19.53	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89999m	17.71	ug/l	
77) Bromobenzene	12.75	156	172146	20.94	ug/l	98
78) n-propylbenzene	12.81	91	894799	21.34	ug/l	100
79) 2-Chlorotoluene	12.90	91	520694	21.46	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	629134	21.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37063	17.45	ug/l	97
82) 4-Chlorotoluene	12.99	91	554133	21.52	ug/l	100
83) tert-Butylbenzene	13.21	119	514725	21.17	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	649533	21.65	ug/l	99
85) sec-Butylbenzene	13.39	105	779427	21.25	ug/l	100
86) p-Isopropyltoluene	13.51	119	678653	21.35	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	357382	21.10	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	353726	20.98	ug/l	99
89) n-Butylbenzene	13.83	91	643359	20.60	ug/l	100
90) Hexachloroethane	14.10	117	121544	20.67	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	320014	20.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21946	18.94	ug/l	97

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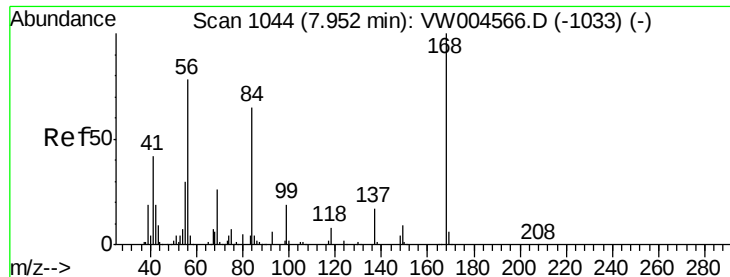
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	221144	20.78	ug/l	99
94) Hexachlorobutadiene	15.24	225	130741	21.10	ug/l	100
95) Naphthalene	15.38	128	378934	19.17	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	201689	21.09	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion:168 Resp: 610993

Ion Ratio Lower Upper

168 100

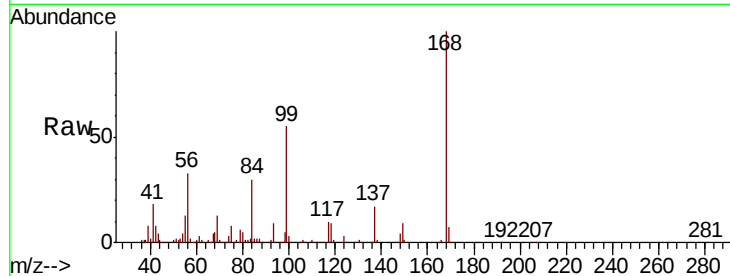
99 55.1 44.1 66.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

150000

100000

50000

0

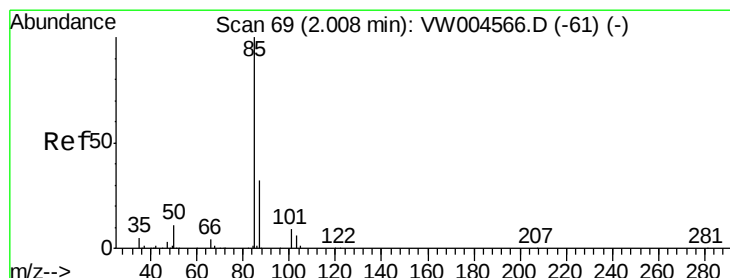
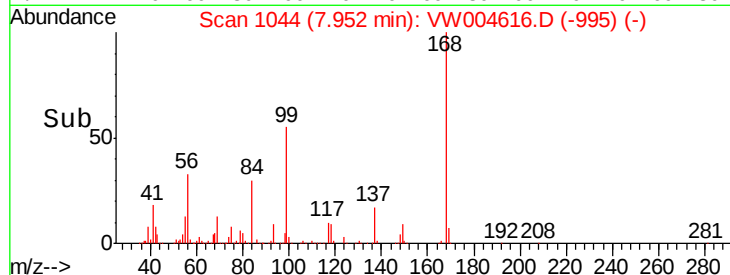
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.48 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004616.D

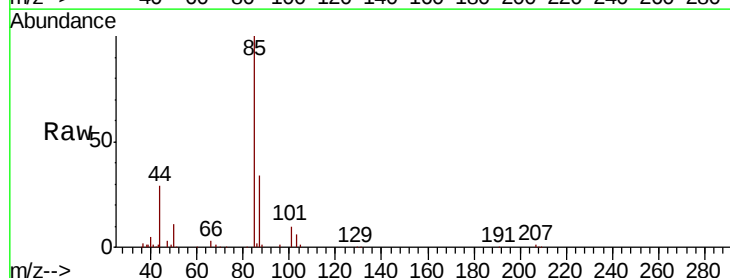
Acq: 11 Aug 2018 01:08

Tgt Ion: 85 Resp: 90082

Ion Ratio Lower Upper

85 100

87 34.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

10000

5000

0

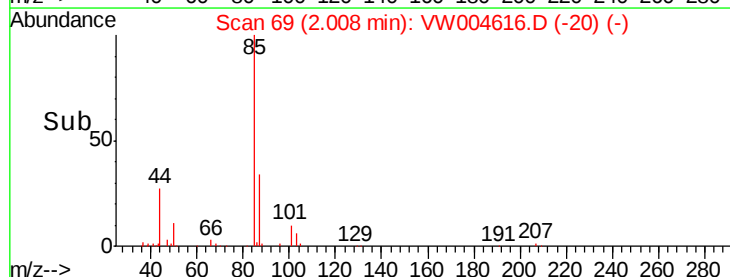
1.90

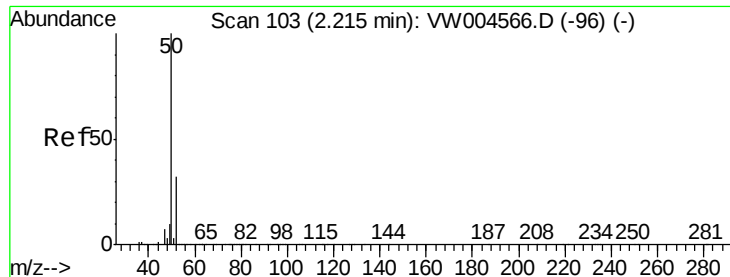
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 21.35 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 50 Resp: 124715

Ion Ratio Lower Upper

50 100

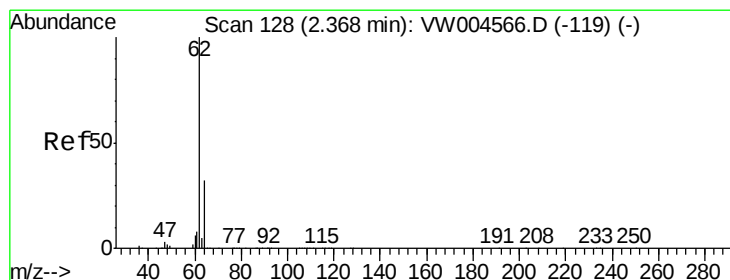
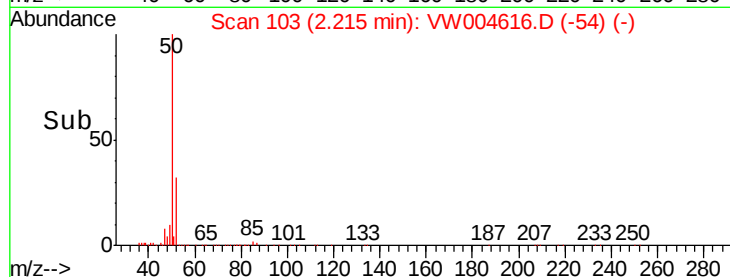
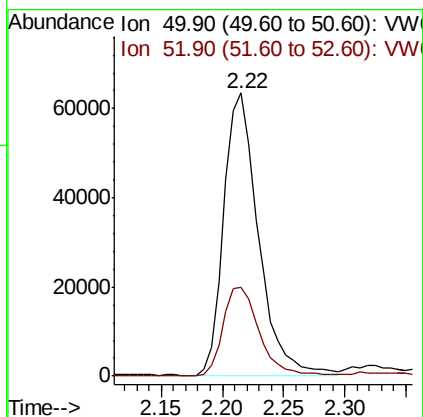
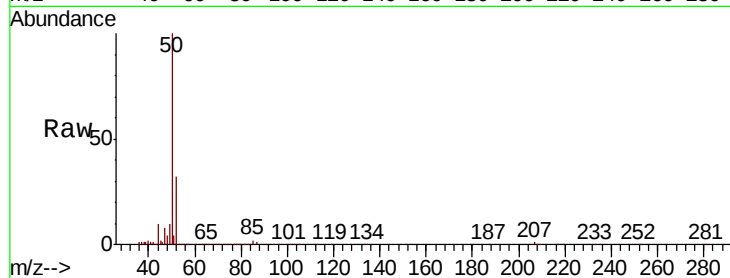
52 31.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 22.29 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004616.D

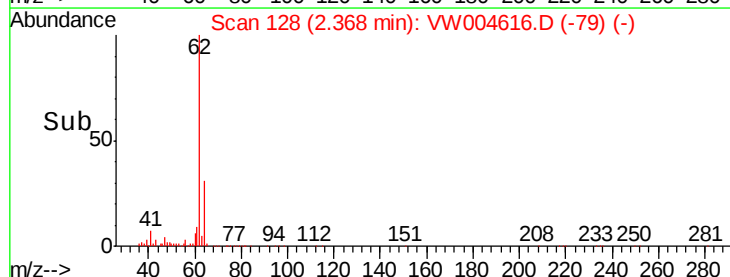
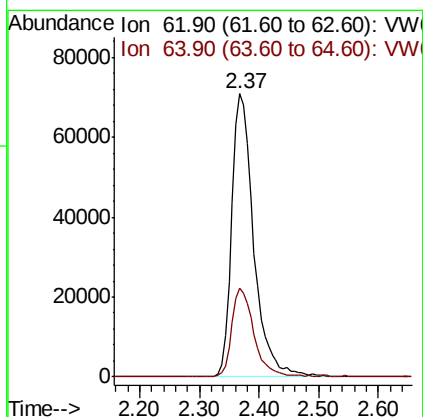
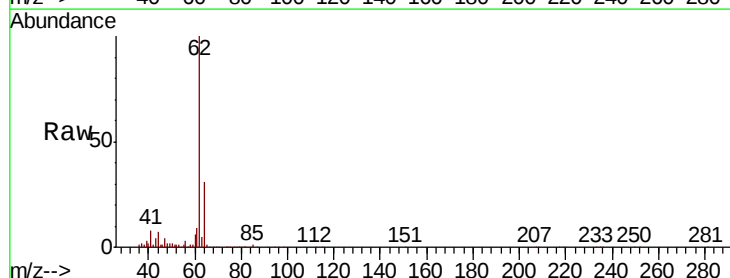
Acq: 11 Aug 2018 01:08

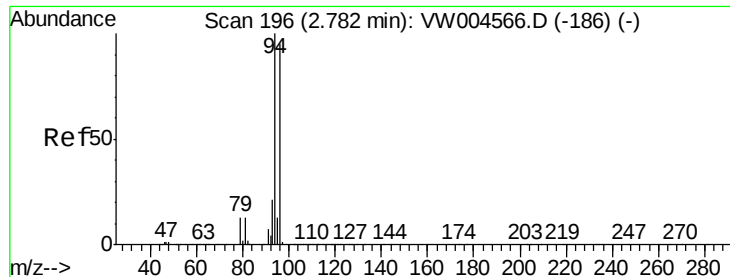
Tgt Ion: 62 Resp: 181851

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 22.31 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 94 Resp: 106027

Ion Ratio Lower Upper

94 100

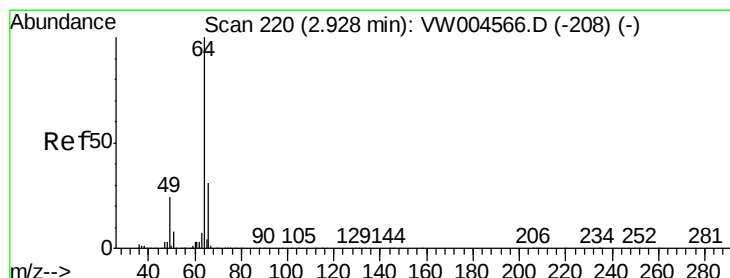
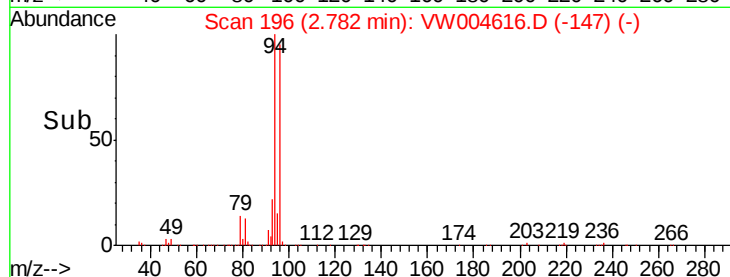
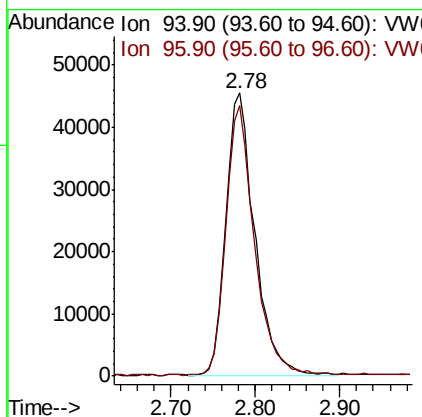
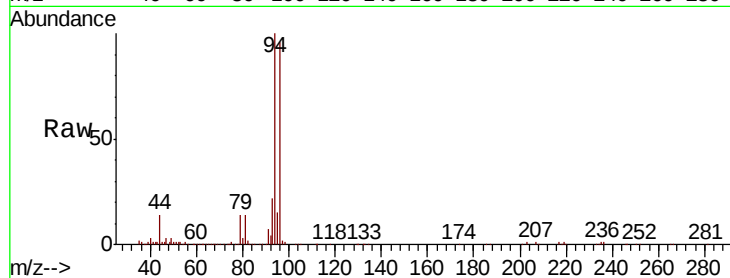
96 95.4 72.9 109.3

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#6

Chloroethane

Concen: 22.02 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004616.D

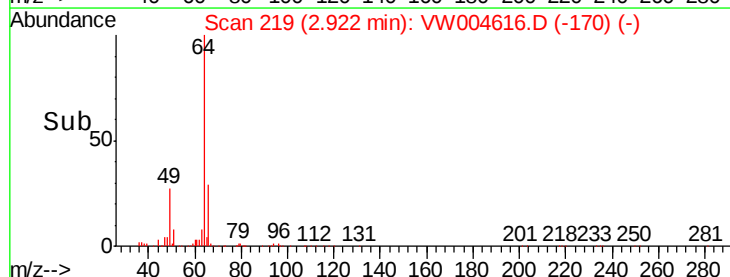
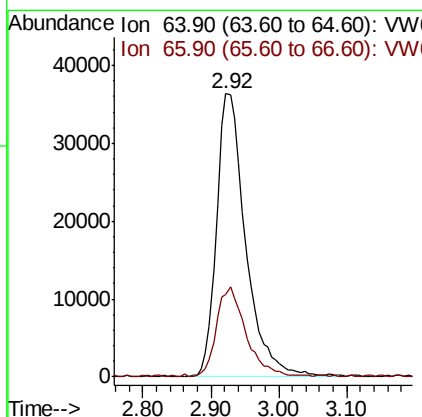
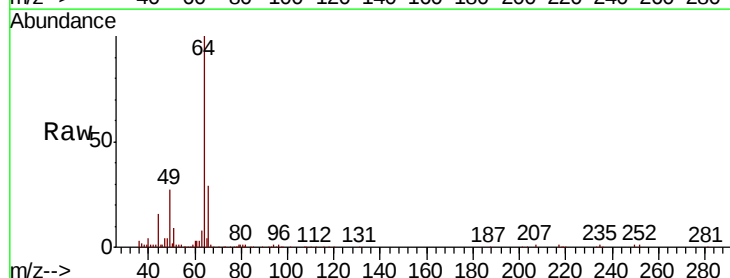
Acq: 11 Aug 2018 01:08

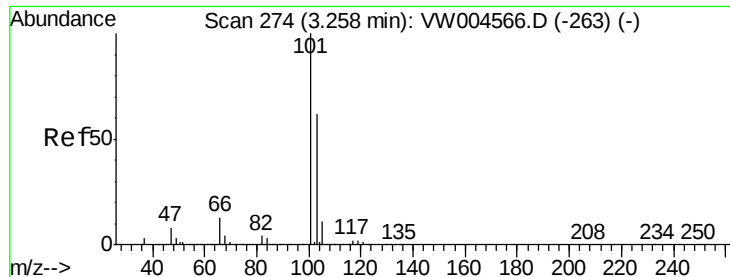
Tgt Ion: 64 Resp: 107350

Ion Ratio Lower Upper

64 100

66 29.1 24.6 36.8





#7

Trichlorofluoromethane

Concen: 23.71 ug/l

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 71472

Ion Ratio Lower Upper

101 100

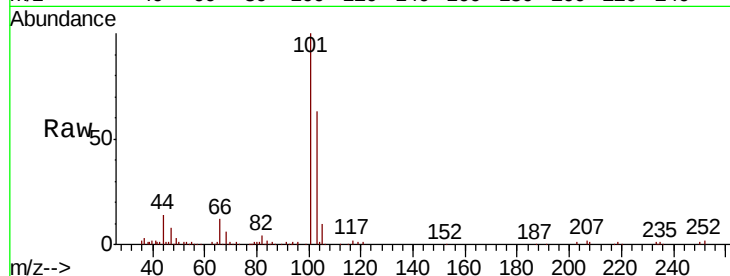
103 62.9 49.8 74.8

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.25

30000

25000

20000

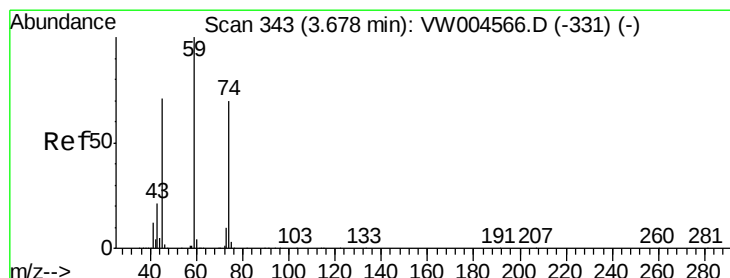
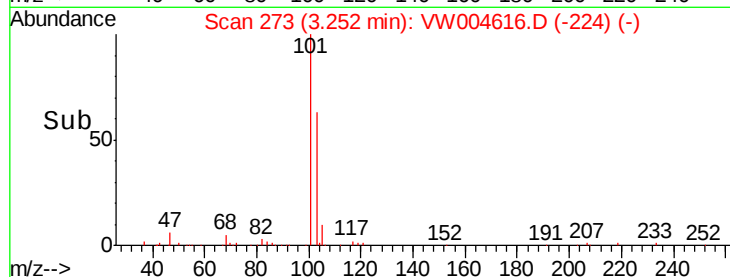
15000

10000

5000

0

Time-->



#8

Diethyl Ether

Concen: 20.93 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004616.D

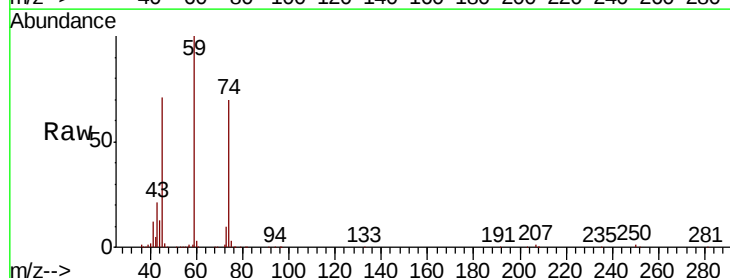
Acq: 11 Aug 2018 01:08

Tgt Ion: 74 Resp: 79797

Ion Ratio Lower Upper

74 100

45 103.1 51.2 153.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

40000

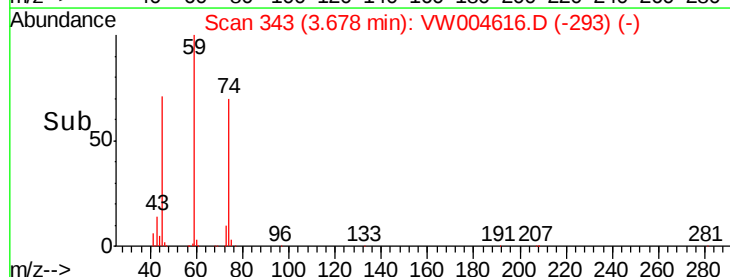
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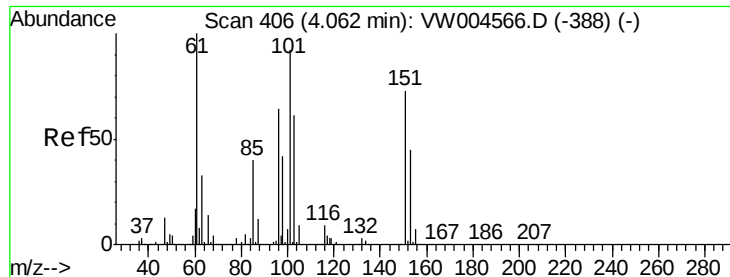
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.60 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

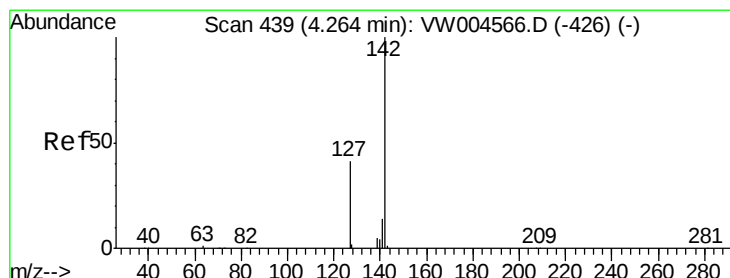
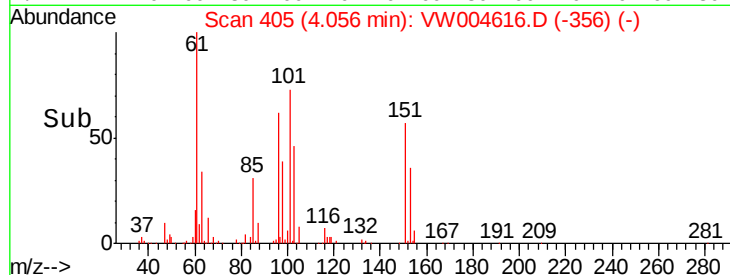
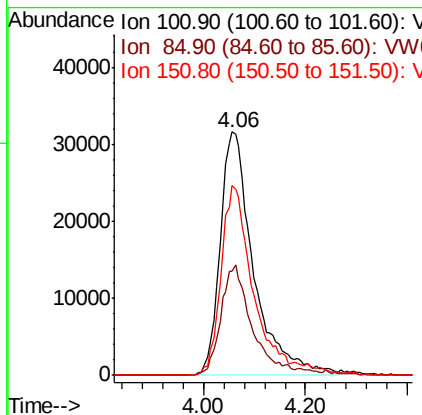
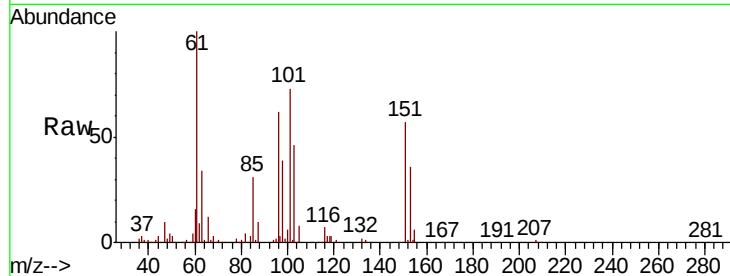
ClientSampleId :

VW0813SBS02

Tot Ion:	101	Resp:	143773
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.6	51.8
151	74.2	61.3	91.9

Manual Integrations
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#10

Methyl Iodide

Concen: 21.73 ug/l

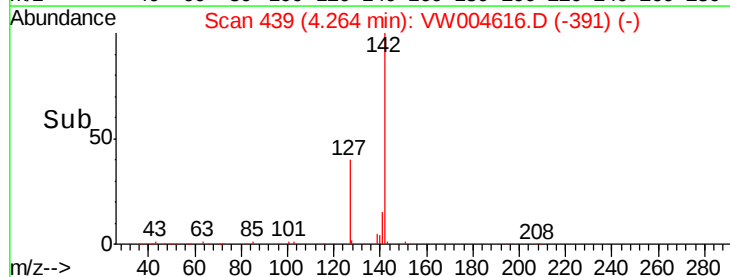
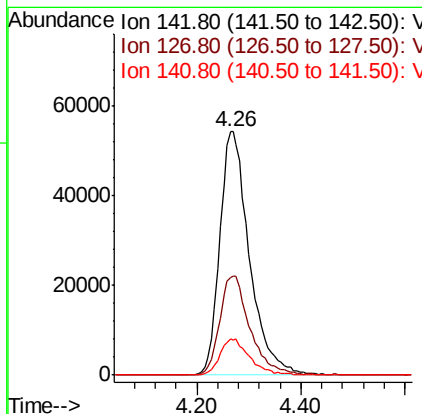
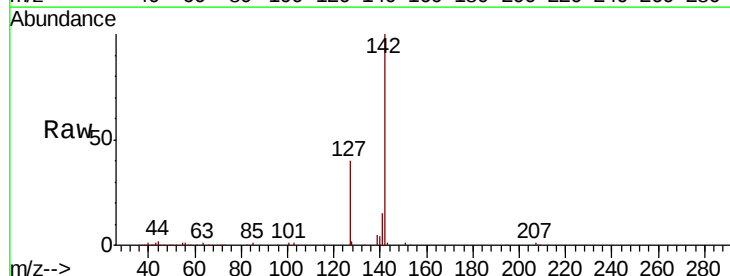
RT: 4.26 min Scan# 439

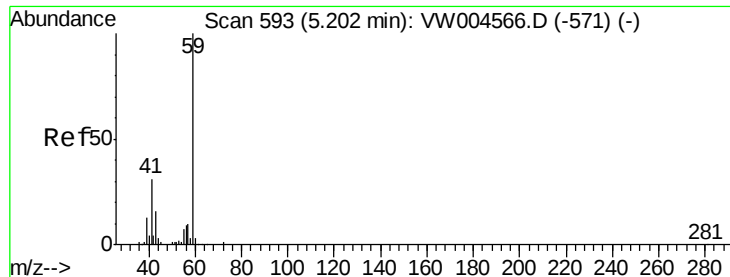
Delta R.T. -0.01 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion:	142	Resp:	217060
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	14.9	11.5	17.3





#11

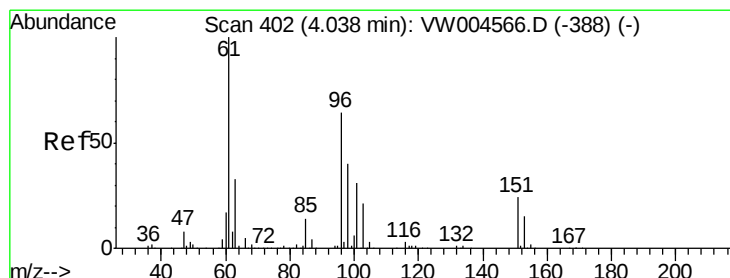
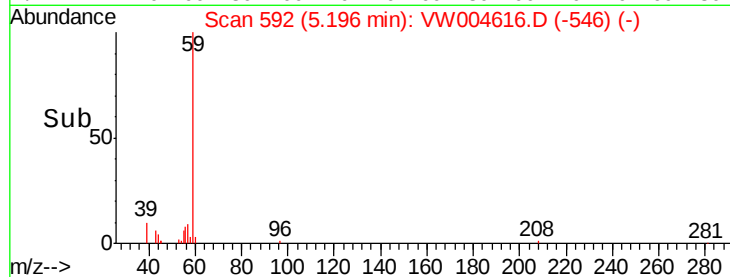
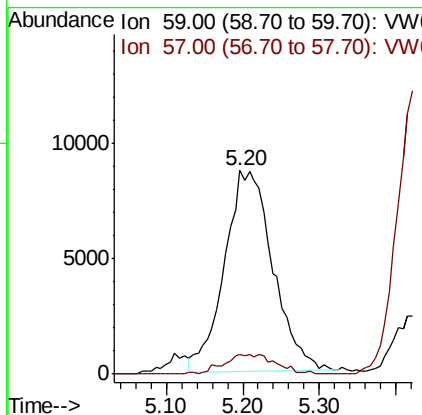
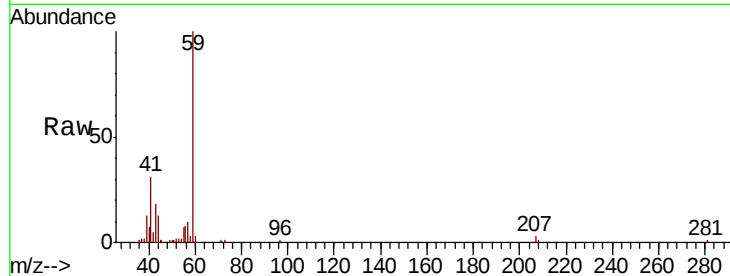
Tert butyl alcohol
Concen: 97.12 ug/l
RT: 5.20 min Scan# 592
Delta R.T. -0.02 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	59	Resp	38460
Ion Ratio	100	Lower	Upper
57	10.4	9.1	13.7

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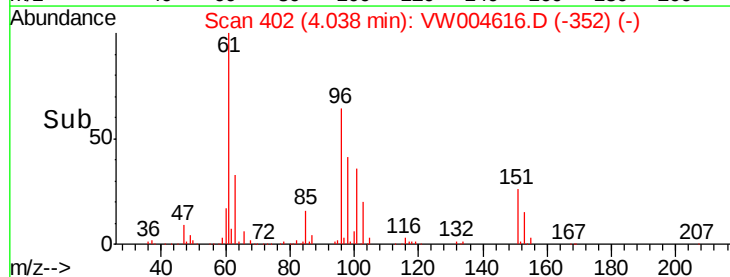
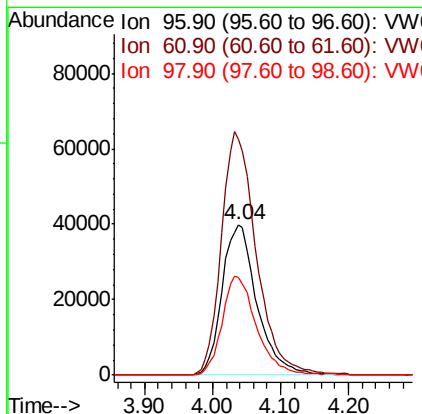
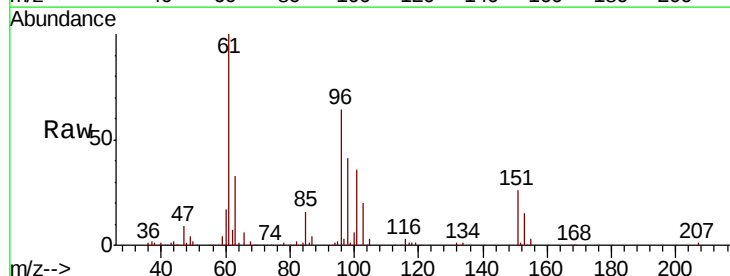
apatel
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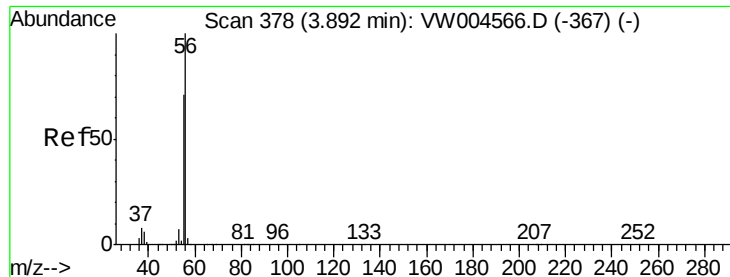


#12

1,1-Dichloroethene
Concen: 21.04 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	96	Resp	140943
Ion Ratio	100	Lower	Upper
61	156.8	130.6	195.8
98	64.8	49.6	74.4





#13

Acrolein

Concen: 94.32 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 56 Resp: 45768

Ion Ratio Lower Upper

56 100

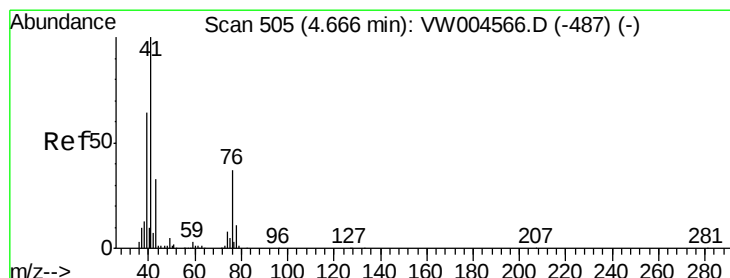
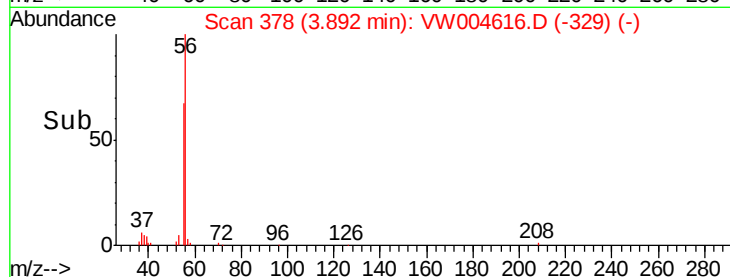
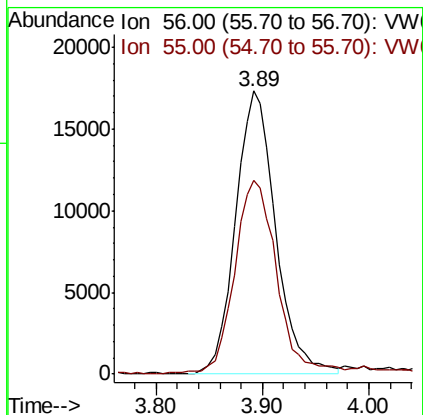
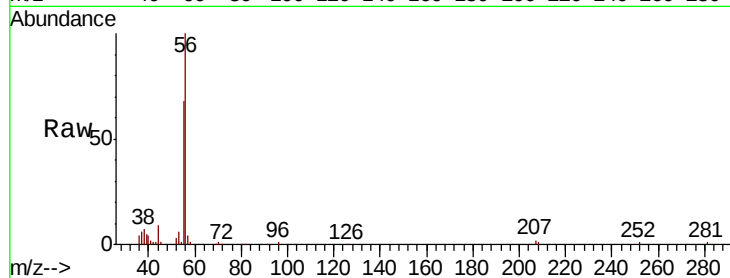
55 72.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.73 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

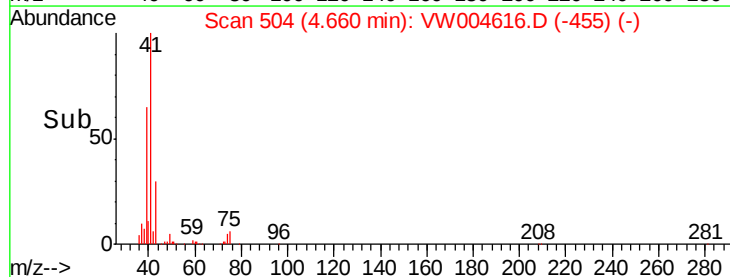
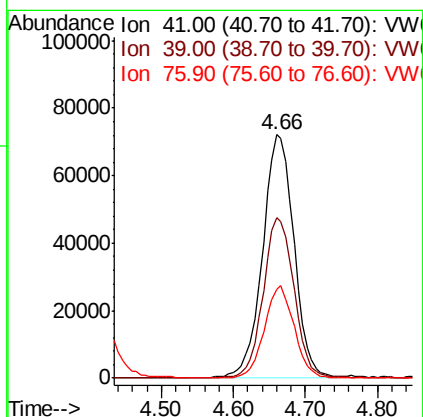
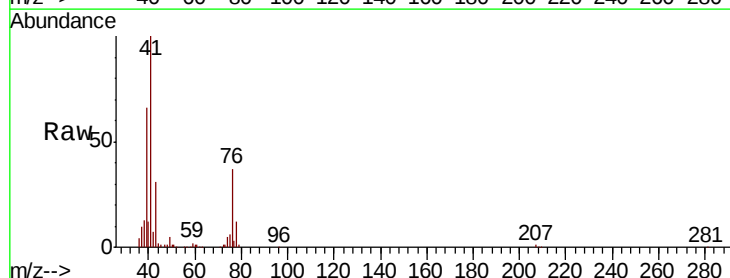
Tgt Ion: 41 Resp: 218745

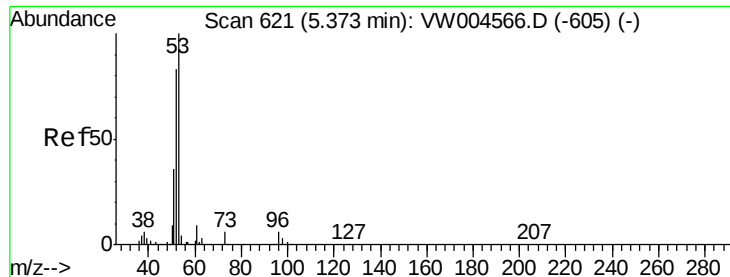
Ion Ratio Lower Upper

41 100

39 64.8 51.9 77.9

76 35.6 29.0 43.6





#15

Acrylonitrile

Concen: 100.72 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

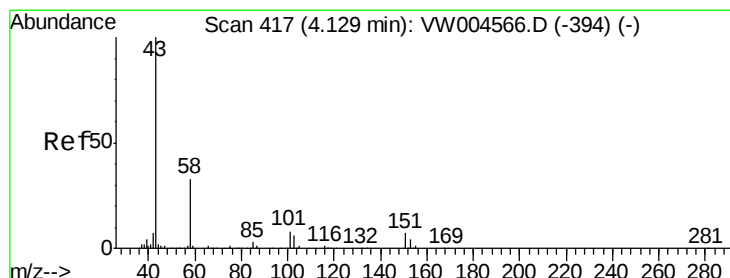
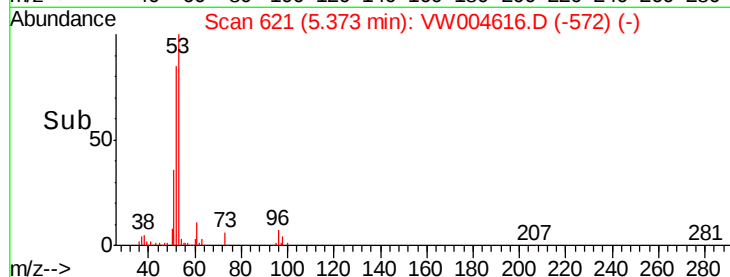
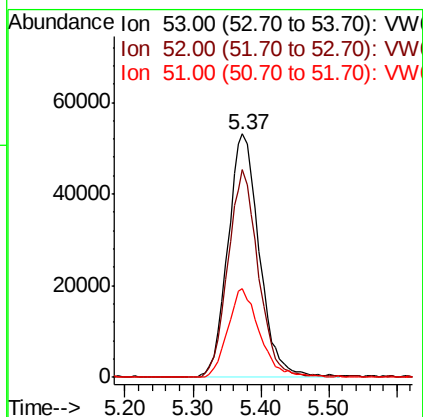
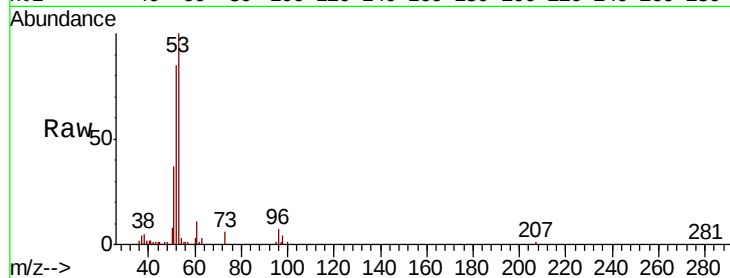
ClientSampleId :

VW0813SBS02

Tot Ion:	53	Resp:	170645
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.5	99.7
51	36.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 102.00 ug/l

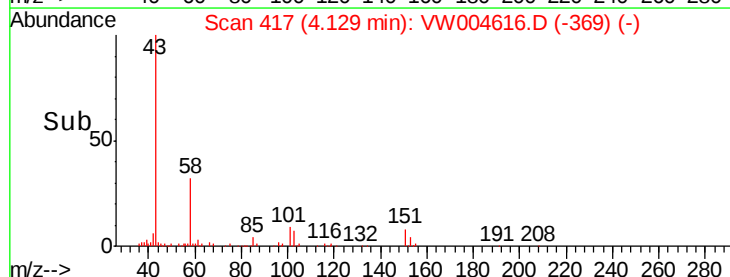
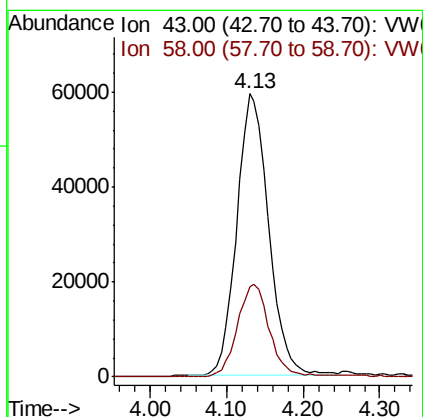
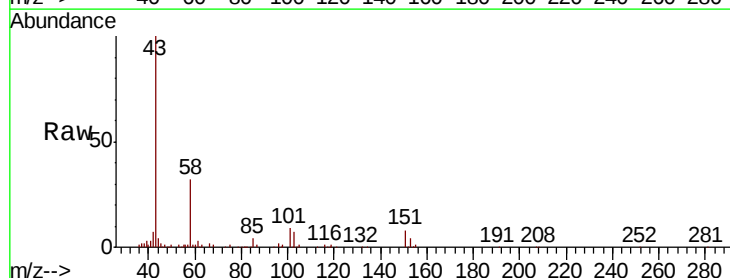
RT: 4.13 min Scan# 417

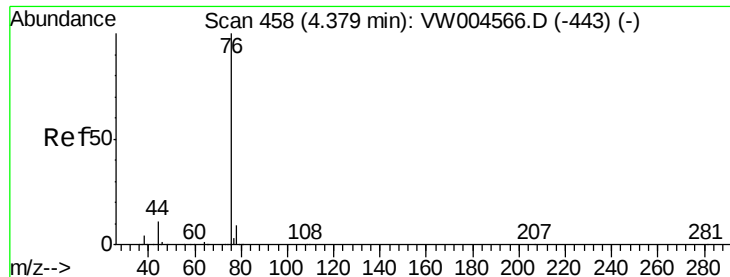
Delta R.T. -0.01 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion:	43	Resp:	172279
Ion Ratio		Lower	Upper
43	100		
58	31.5	26.8	40.2





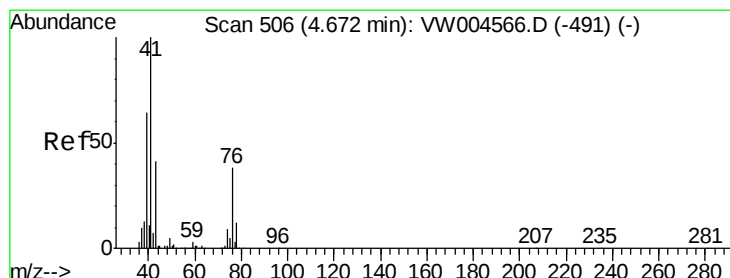
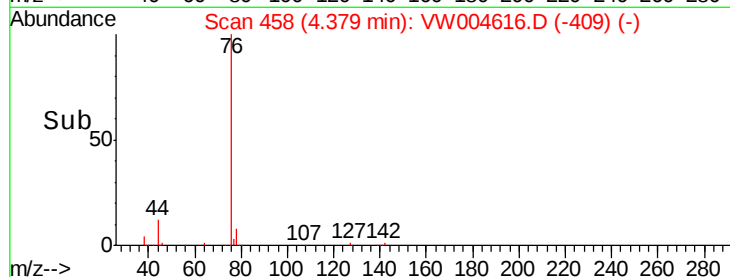
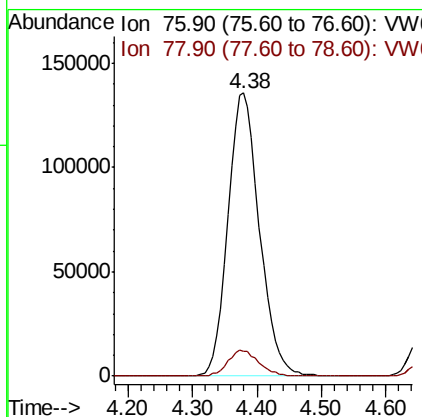
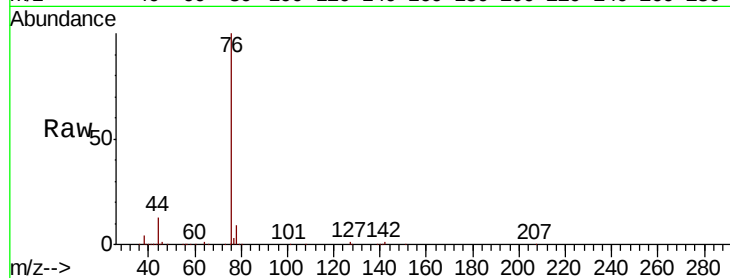
#17
Carbon Disulfide
Concen: 21.53 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

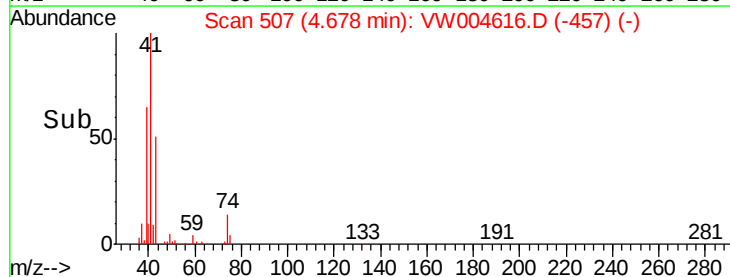
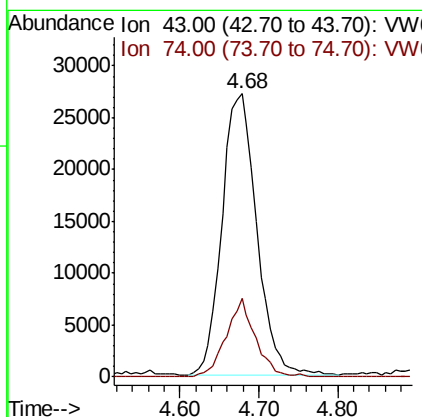
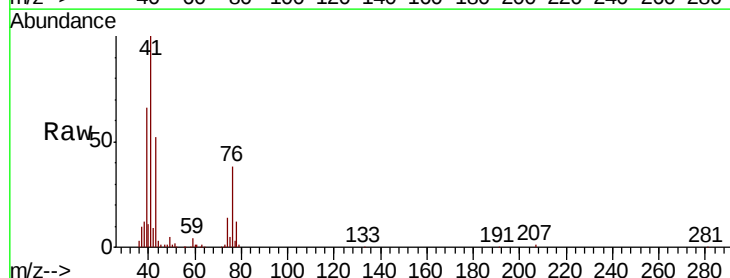
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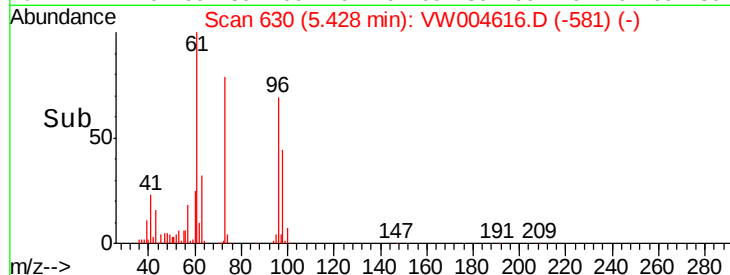
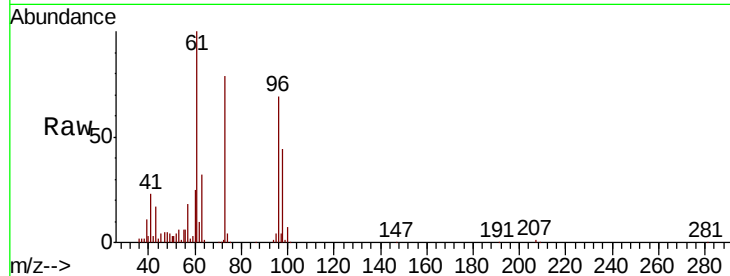
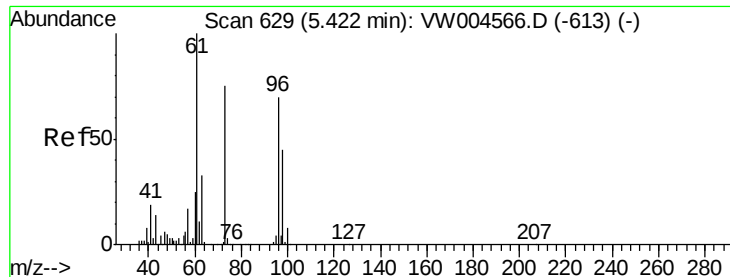
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#18
Methyl Acetate
Concen: 19.88 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.1	28.7





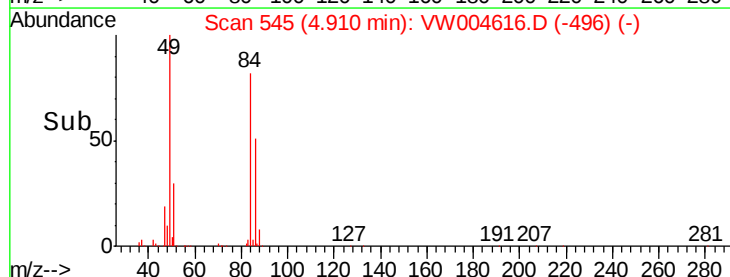
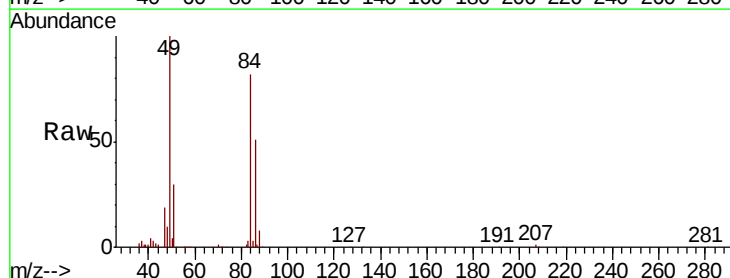
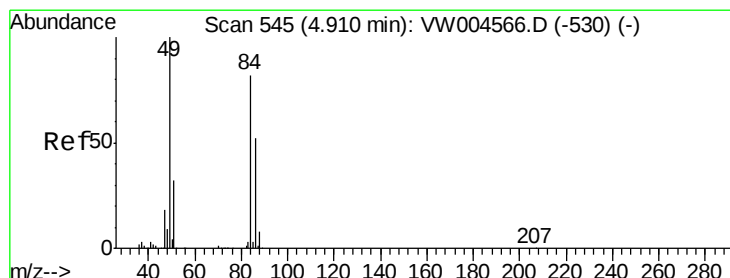
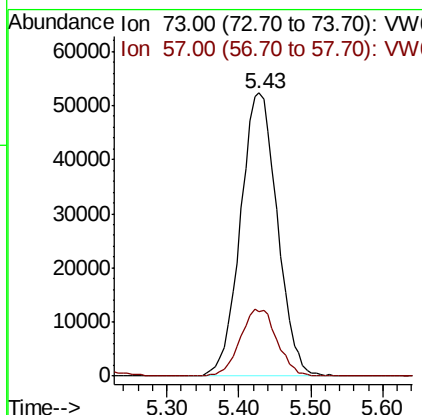
#19
Methvl tert-butvl Ether
Concen: 20.34 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tot Ion	73	Resp	185939
Ion	Ratio	Lower	Upper
73	100		
57	22.6	19.6	29.4

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

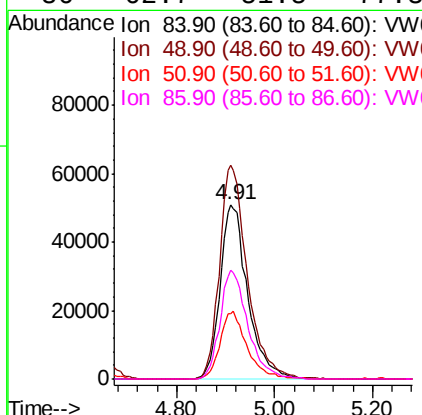
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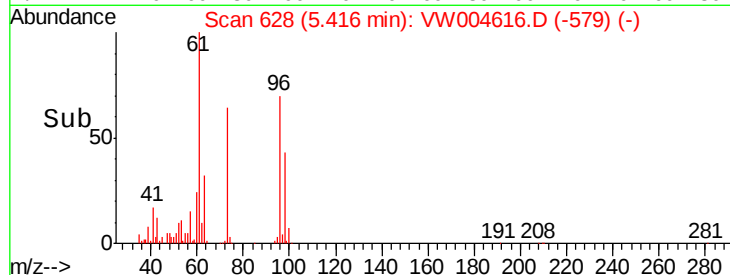
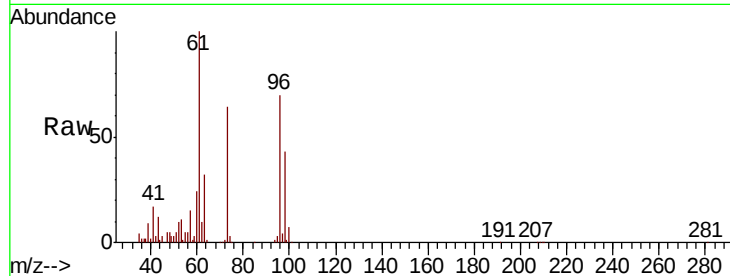
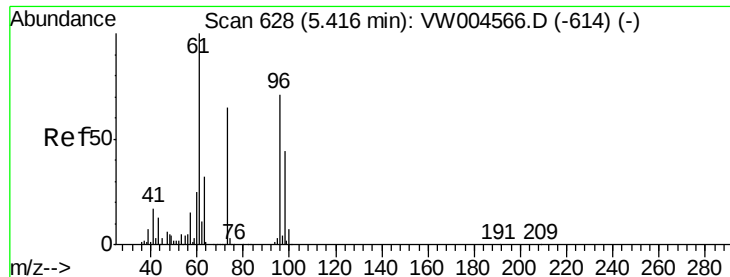
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#20
Methylene Chloride
Concen: 18.58 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	84	Resp	199189
Ion	Ratio	Lower	Upper
84	100		
49	122.4	99.6	149.4
51	37.2	31.0	46.4
86	62.7	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.20 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004616.D

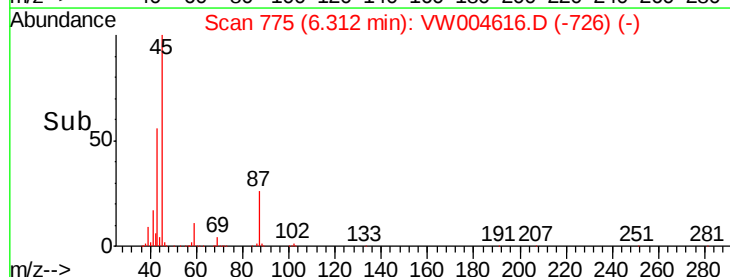
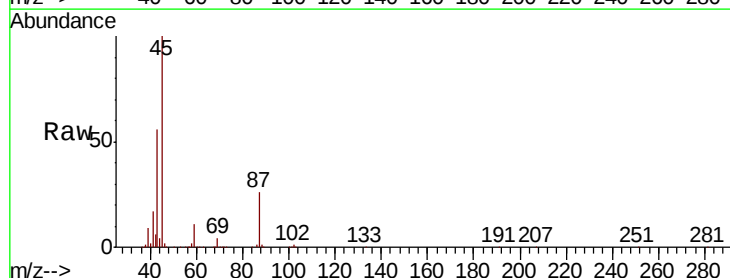
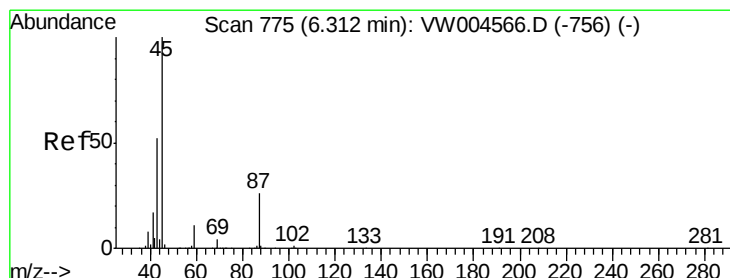
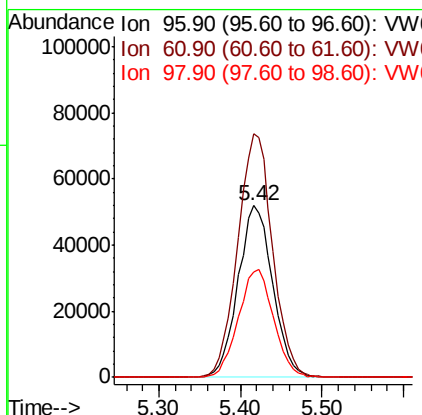
Acq: 11 Aug 2018 01:08

Tot Ion:	96	Resp:	153068
Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.1	171.1
98	61.2	51.4	77.2

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

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#22

Diisopropyl ether

Concen: 22.34 ug/l

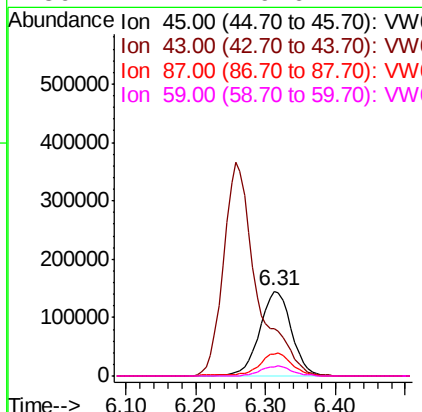
RT: 6.31 min Scan# 775

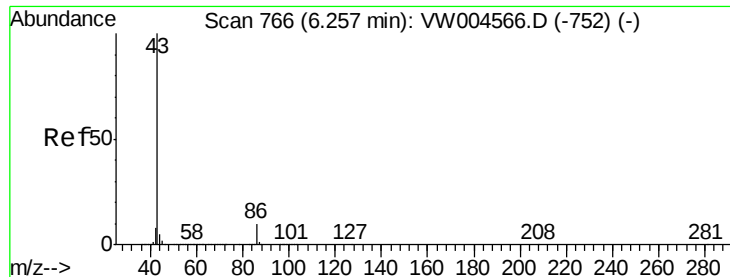
Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion:	45	Resp:	462151
Ion	Ratio	Lower	Upper
45	100		
43	55.8	42.4	63.6
87	25.4	21.6	32.4
59	11.2	9.6	14.4





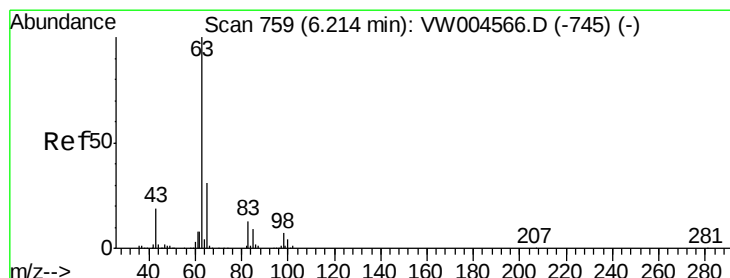
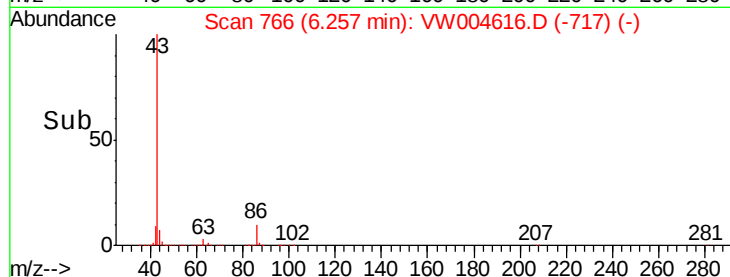
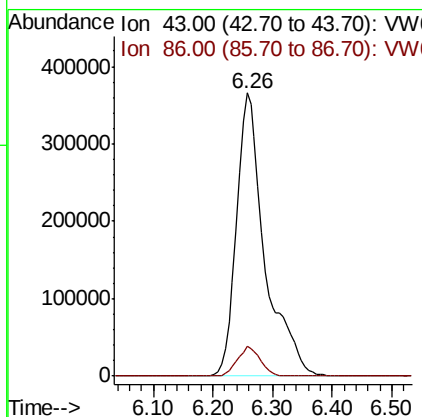
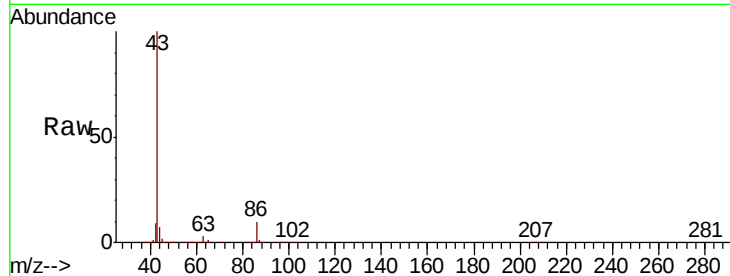
#23
 Vinyl Acetate
 Concen: 97.31 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.9	11.9

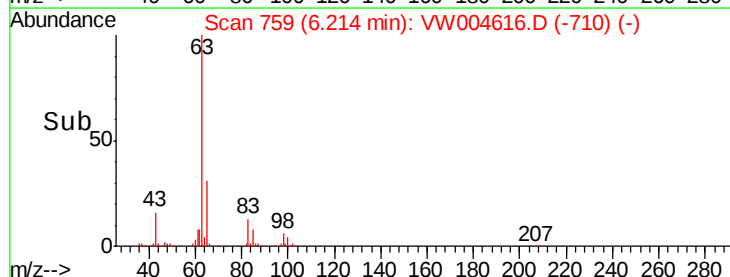
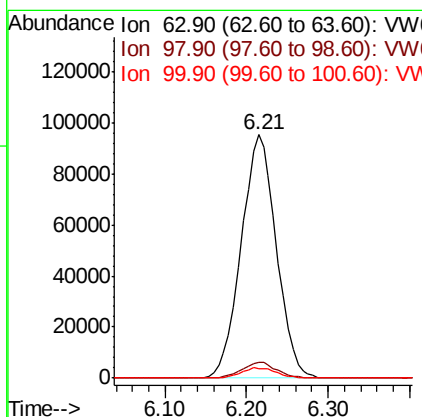
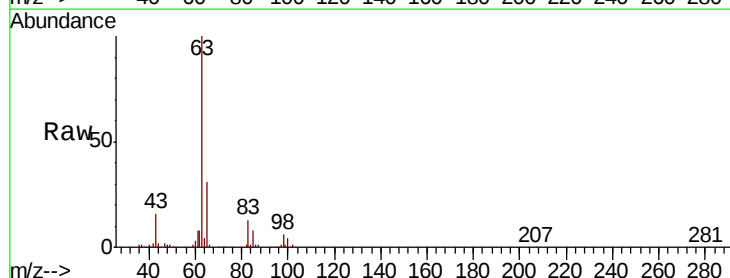
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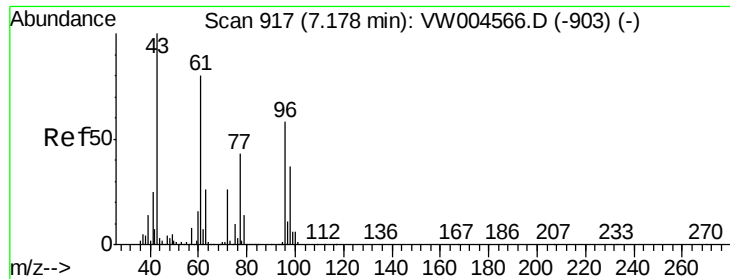
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#24
 1,1-Dichloroethane
 Concen: 21.50 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.1	9.3
100	3.9	2.1	6.5





#25

2-Butanone

Concen: 94.20 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 43 Resp: 255940

Ion Ratio Lower Upper

43 100

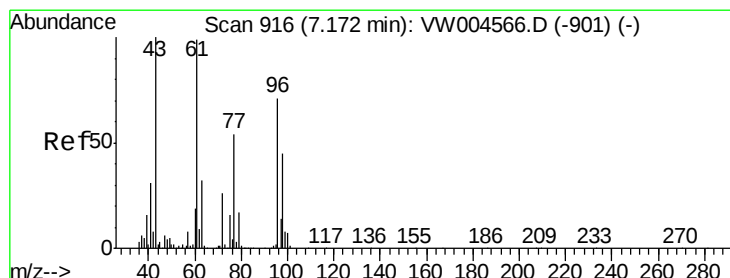
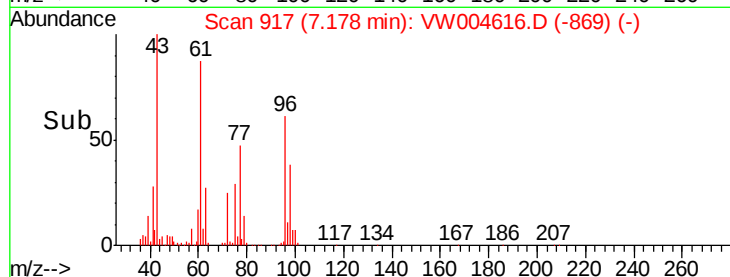
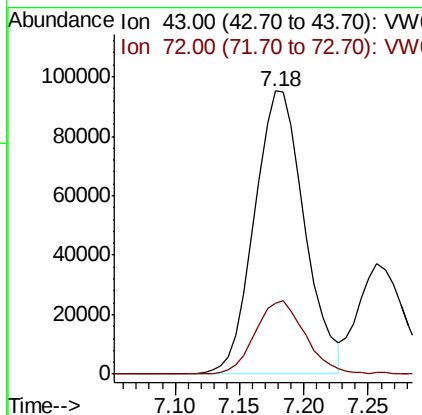
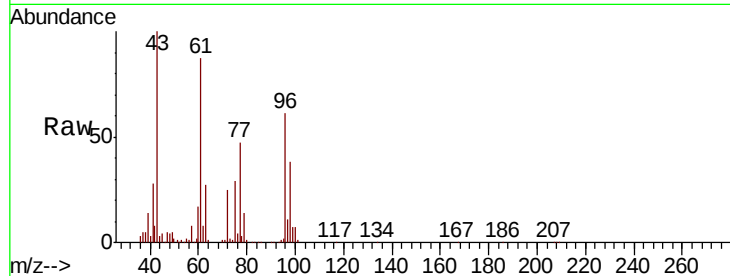
72 25.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.95 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004616.D

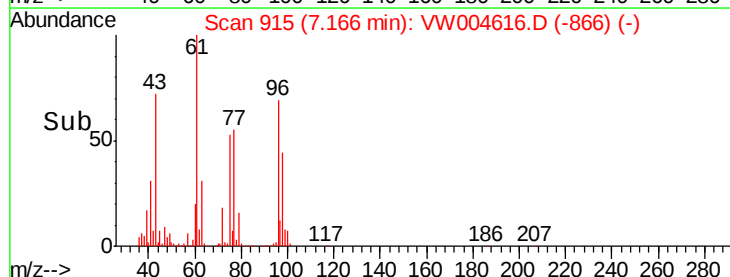
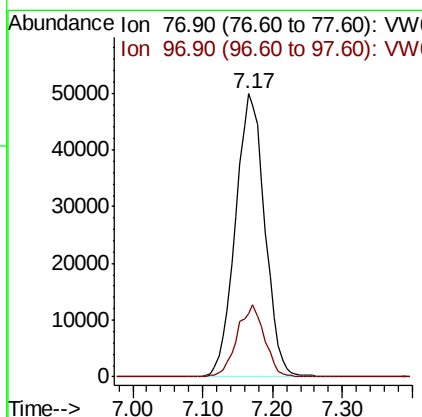
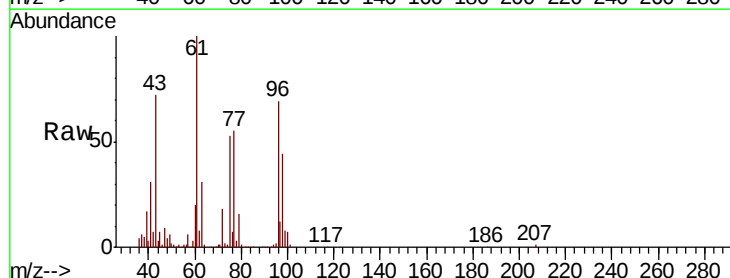
Acq: 11 Aug 2018 01:08

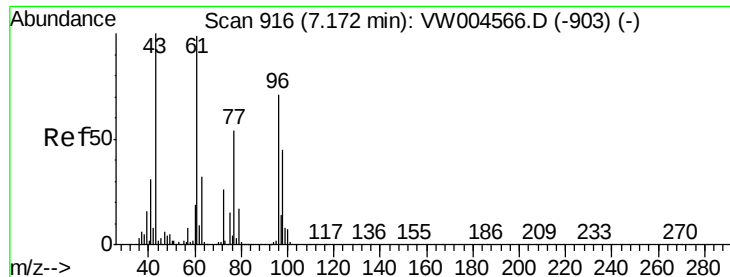
Tgt Ion: 77 Resp: 145623

Ion Ratio Lower Upper

77 100

97 23.8 12.5 37.5





#27

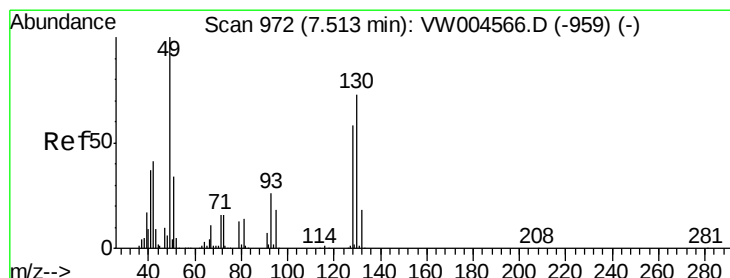
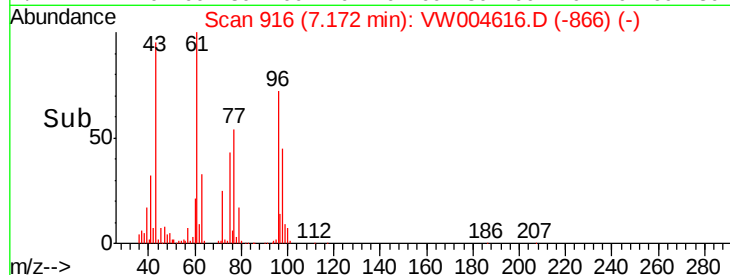
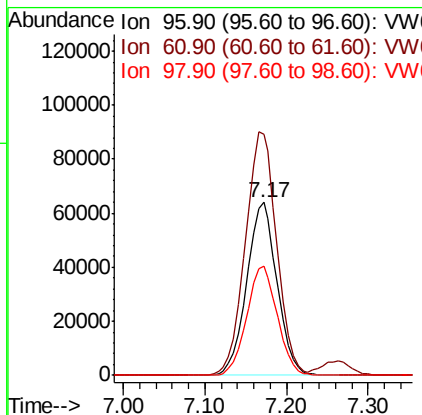
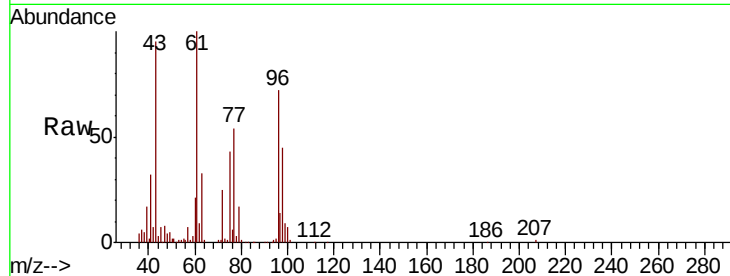
cis-1,2-Dichloroethene
 Concen: 21.33 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165708		
61	145.3	0.0	285.0	
98	63.7	0.0	128.6	

Manual Integrations
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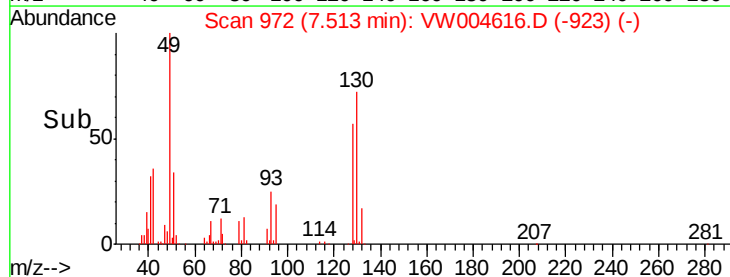
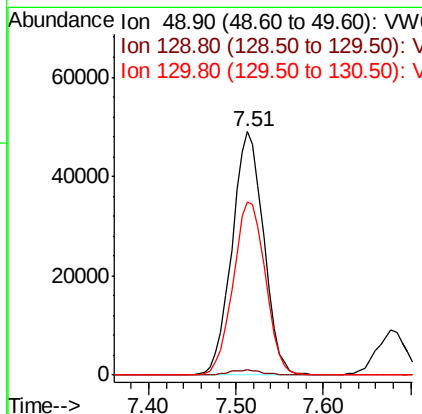
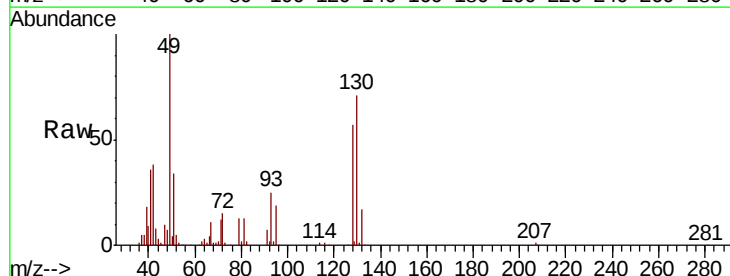
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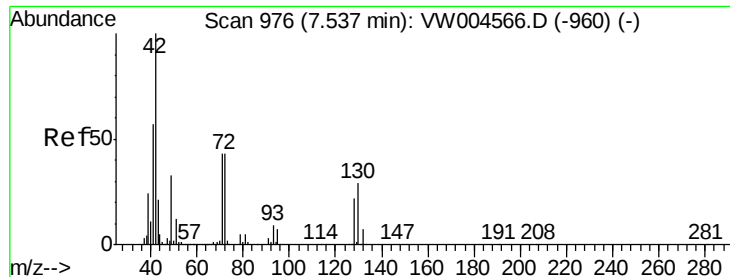


#28

Bromochloromethane
 Concen: 21.34 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122969		
129	2.2	0.0	4.0	
130	72.7	58.8	88.2	





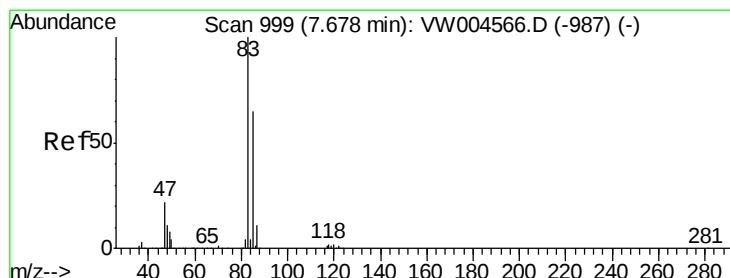
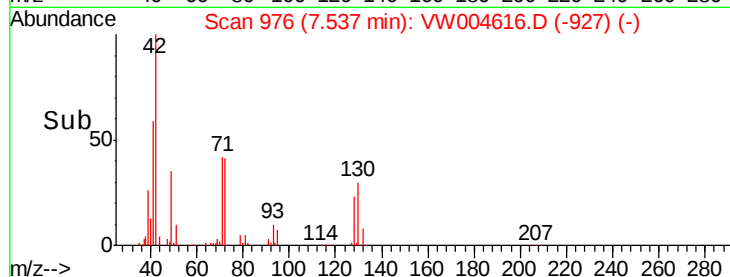
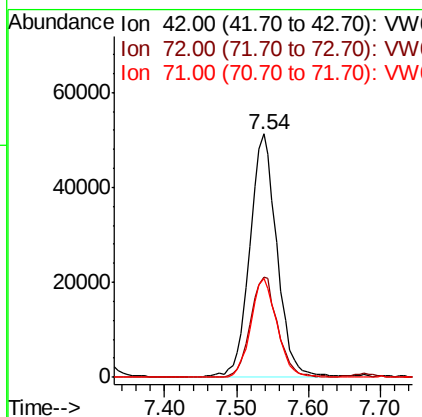
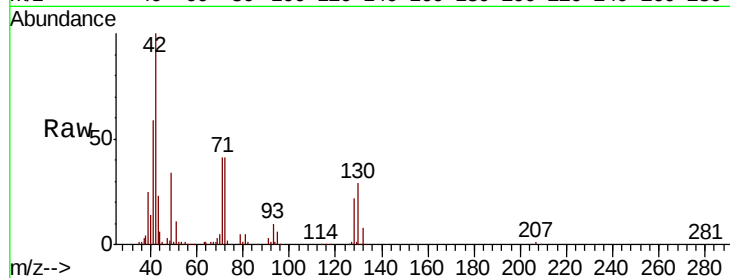
#29
Tetrahydrofuran
Concen: 95.38 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	42.00 (41.70 to 42.70): VW	Resp	133978
Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.1	51.1
71	39.3	32.5	48.7

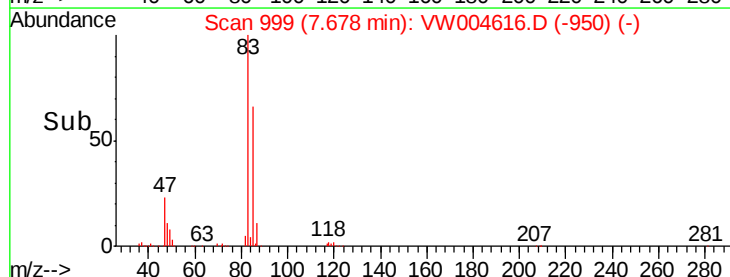
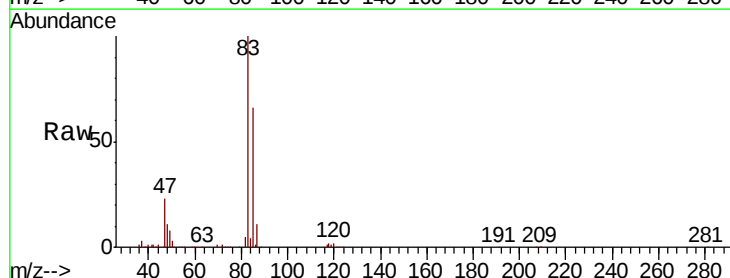
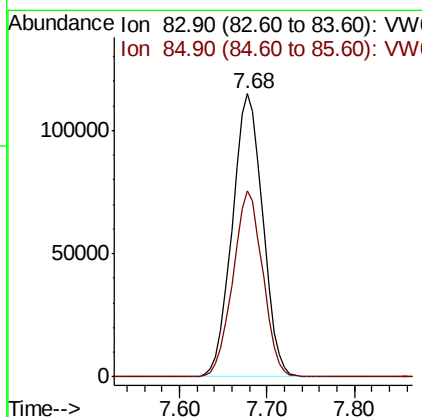
Manual Integrations
APPROVED

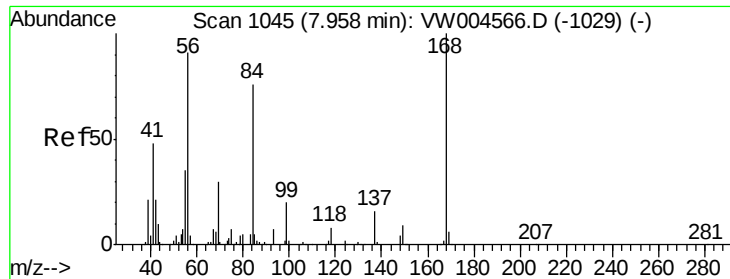
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#30
Chloroform
Concen: 21.37 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	83.00 (82.60 to 83.60): VW	Resp	277908
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.3	76.9





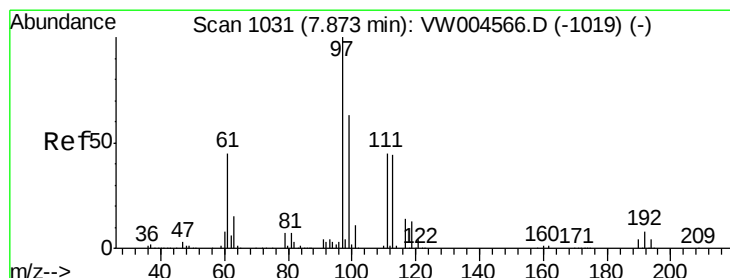
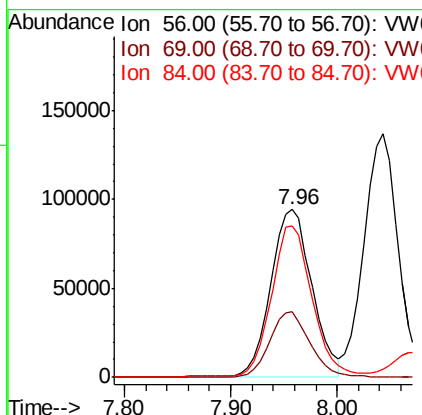
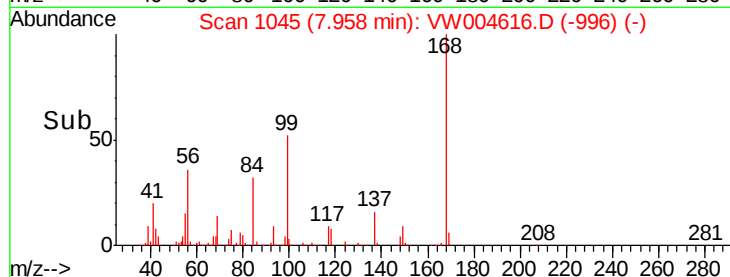
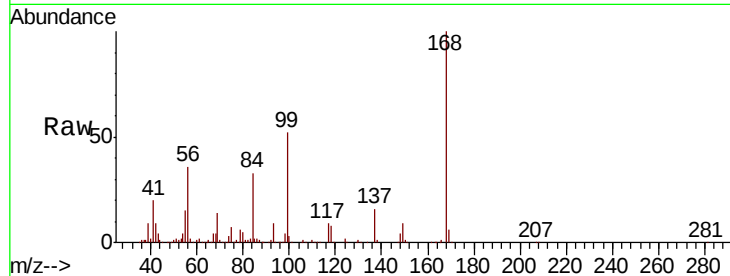
#31
Cyclohexane
Concen: 19.92 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	26.4	39.6
84	89.3	66.9	100.3

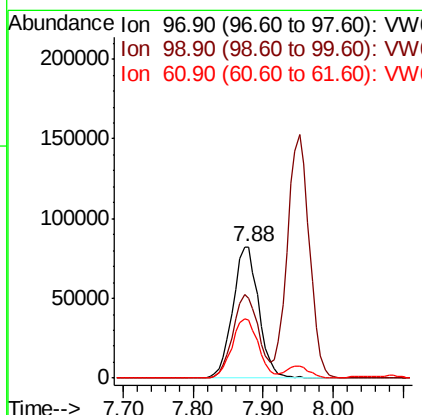
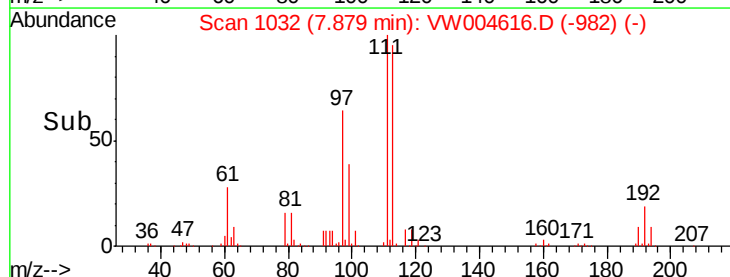
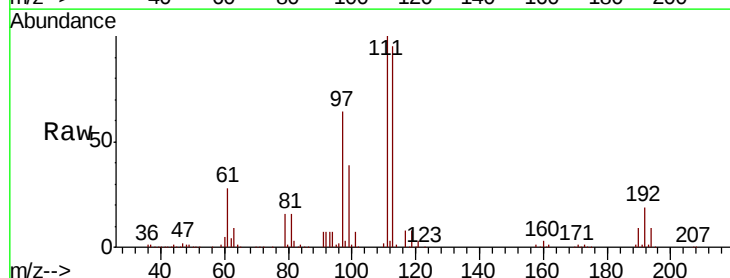
Manual Integrations
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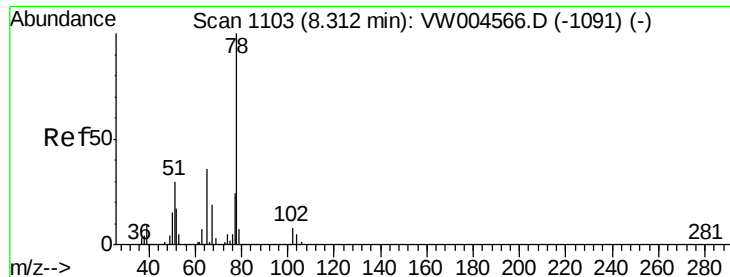
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.67 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.6	77.4
61	46.1	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 50.57 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampled :

VW0813SBS02

Tot Ion: 65 Resp: 341999

Ion Ratio Lower Upper

65 100

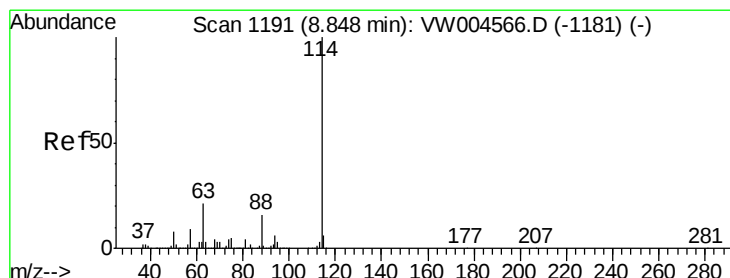
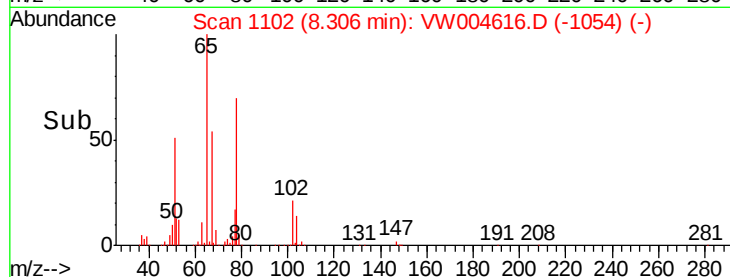
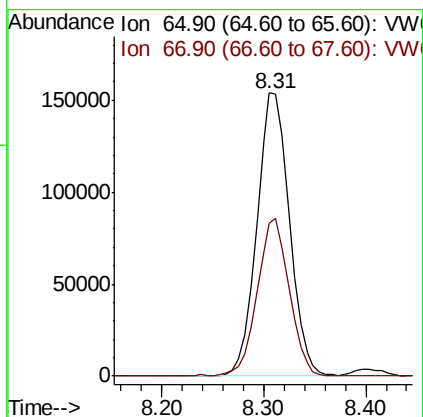
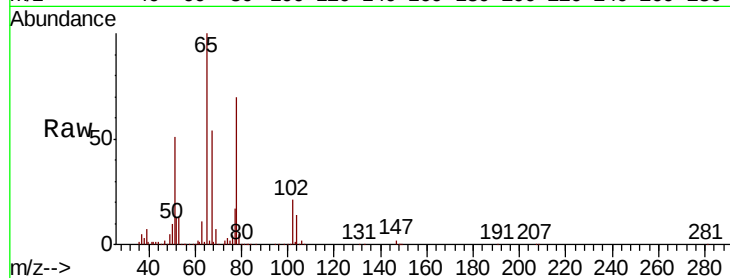
67 54.8 0.0 109.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

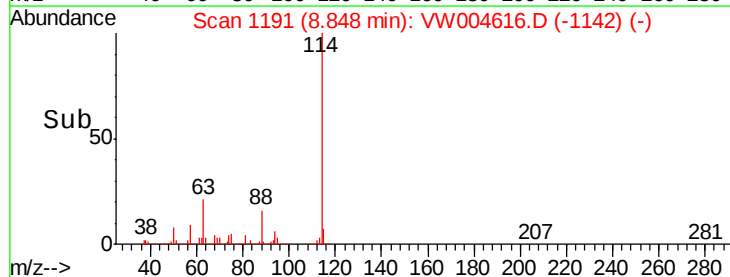
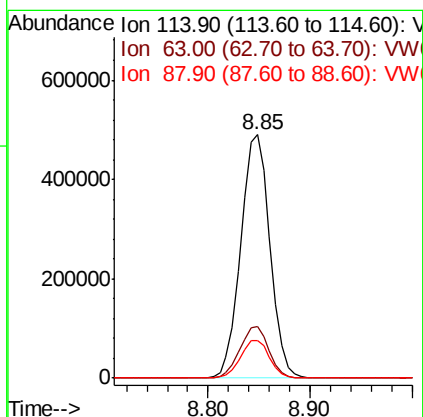
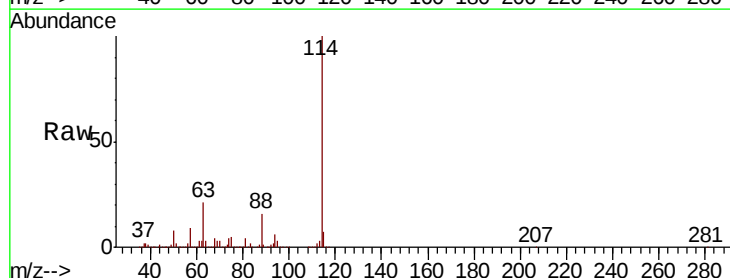
Tgt Ion: 114 Resp: 971183

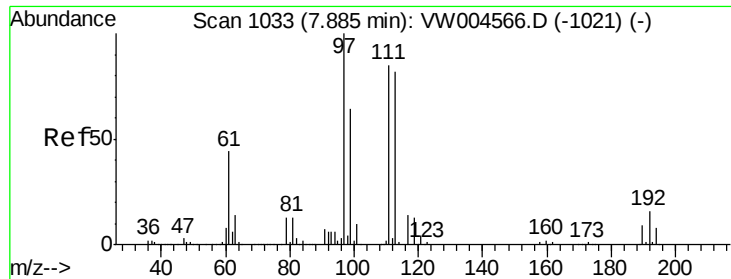
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

88 15.7 0.0 31.2





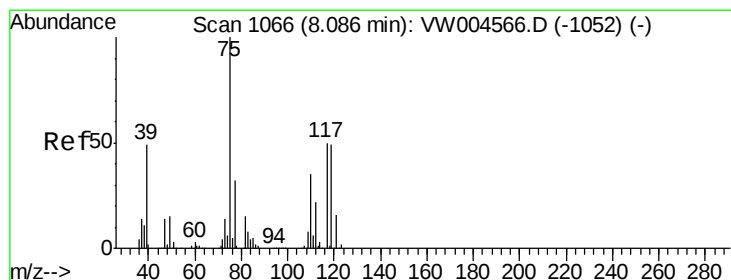
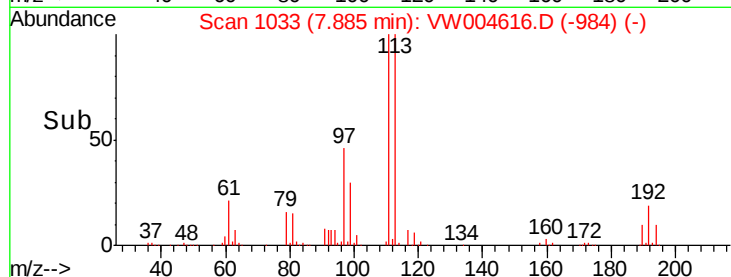
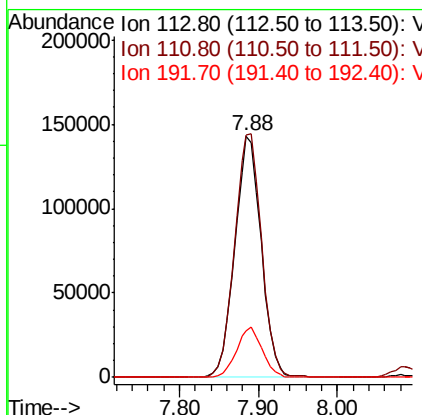
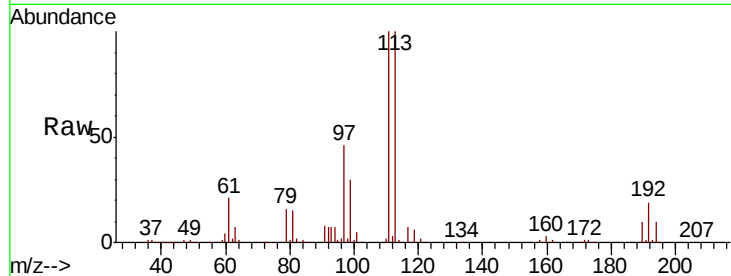
#35
 Dibromofluoromethane
 Concen: 51.19 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	331470		
111	103.2		82.9	124.3
192	20.2		15.8	23.6

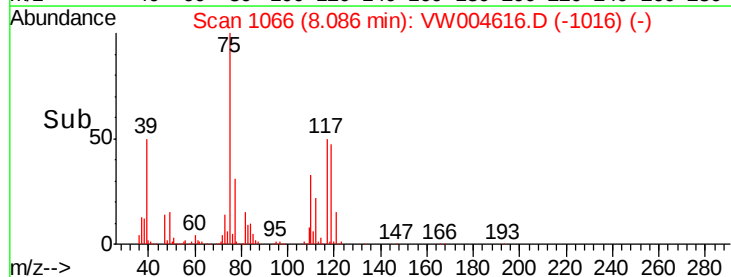
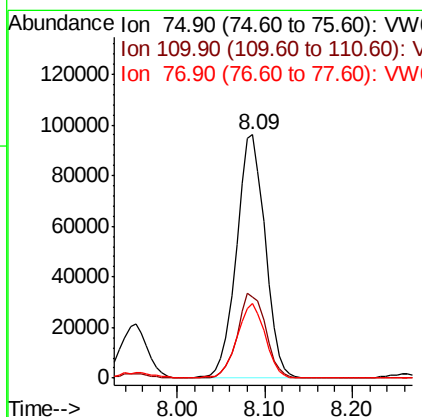
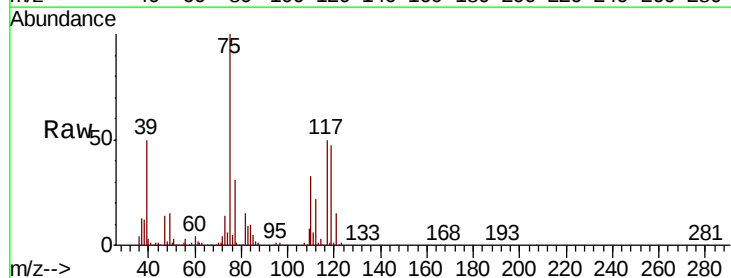
Manual Integrations
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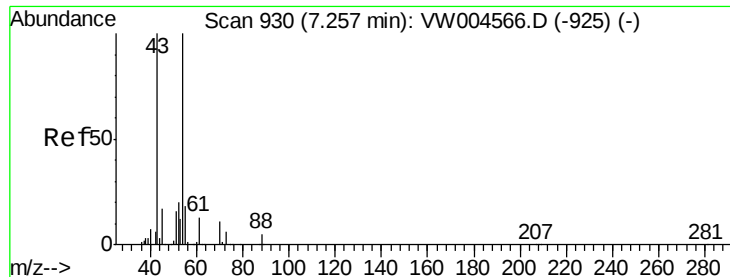
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#36
 1,1-Dichloropropene
 Concen: 20.92 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218717		
110	34.5		17.4	52.2
77	30.4		24.7	37.1





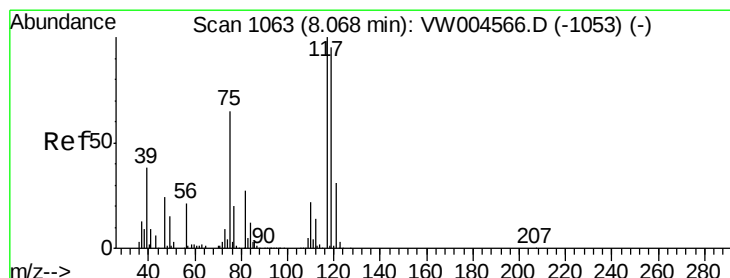
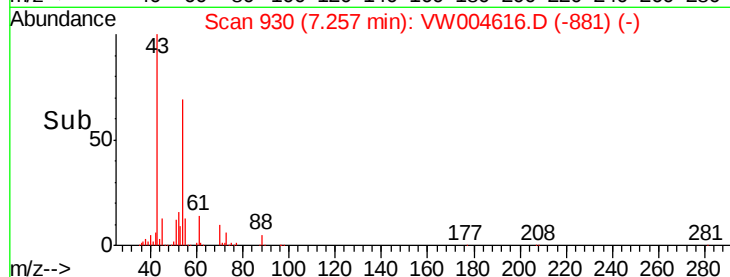
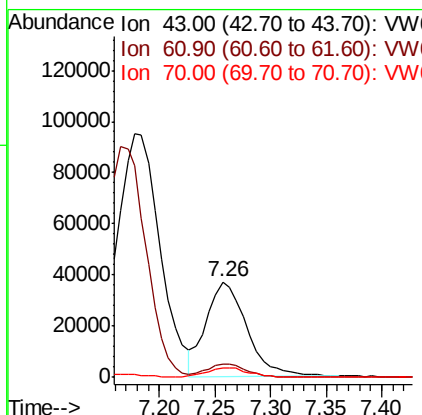
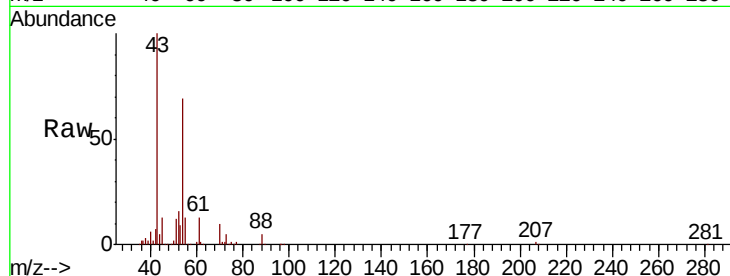
#37
Ethyl Acetate
Concen: 19.01 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.9	17.9
70	10.6	8.2	12.4

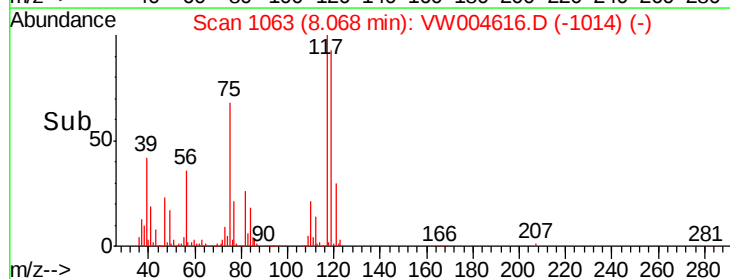
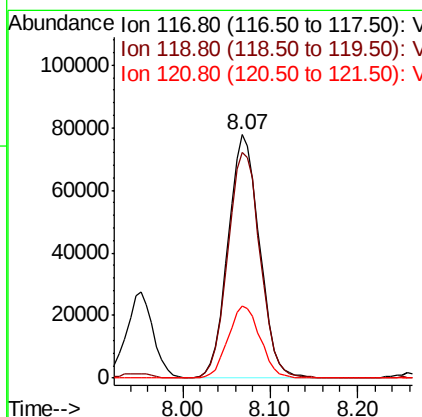
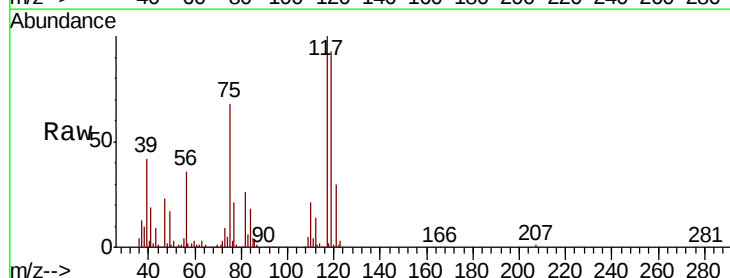
Manual Integrations
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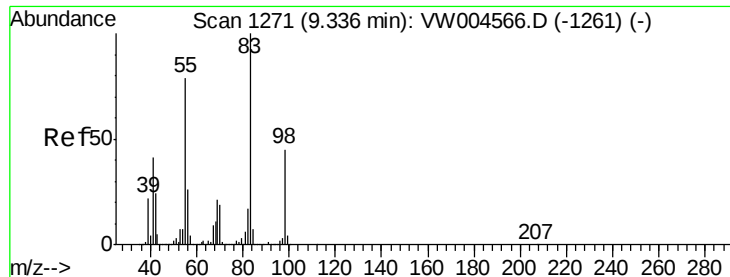
apatel
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#38
Carbon Tetrachloride
Concen: 20.70 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.1	114.1
121	29.6	24.2	36.4





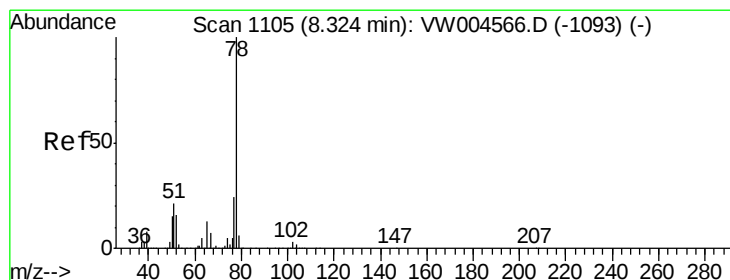
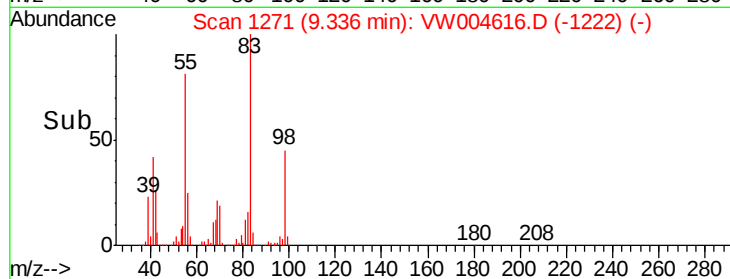
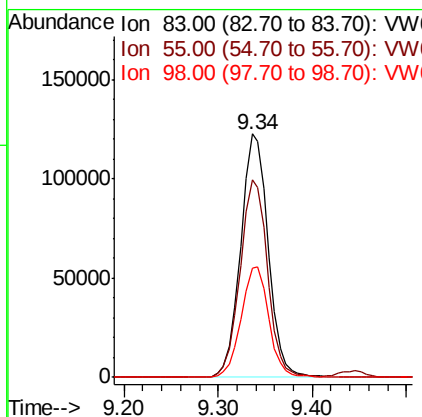
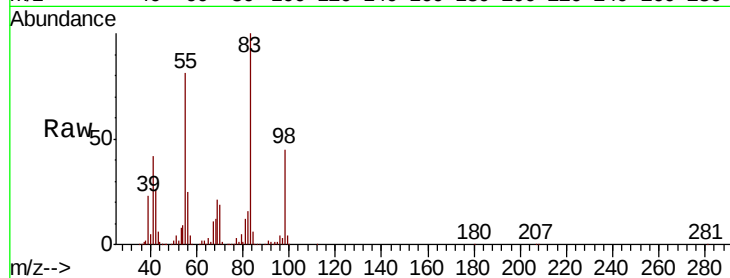
#39
Methvlcvclohexane
Concen: 19.62 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	62.5	93.7
98	44.8	35.4	53.2

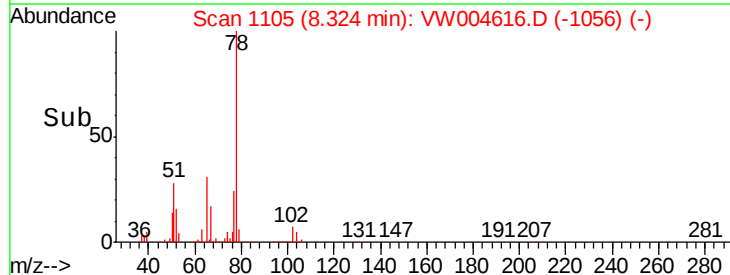
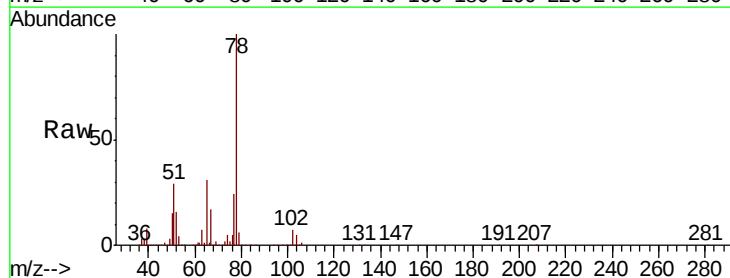
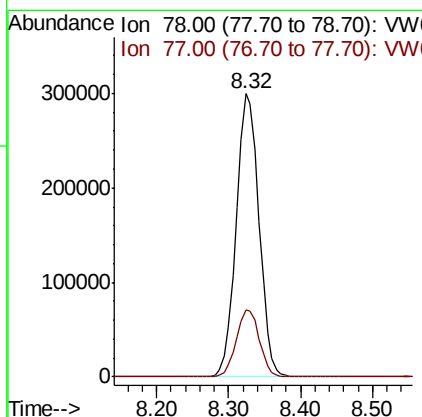
Manual Integrations
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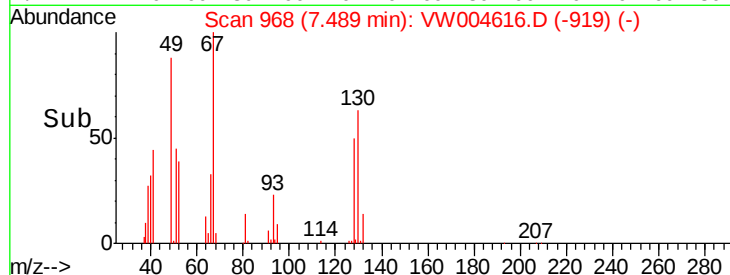
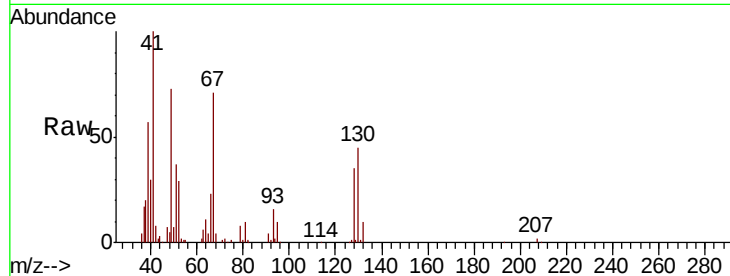
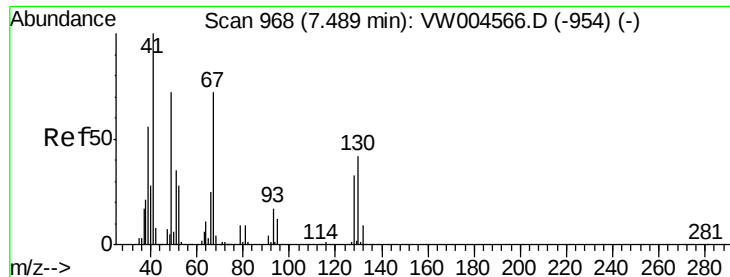
apatel
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#40
Benzene
Concen: 21.40 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





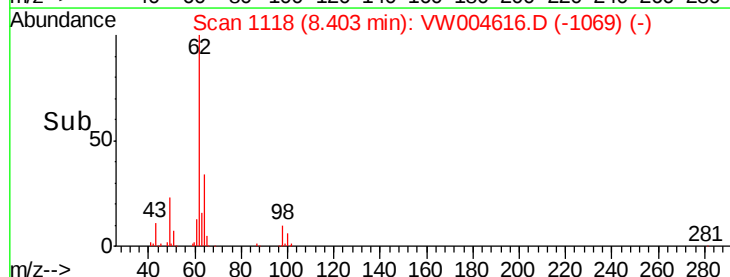
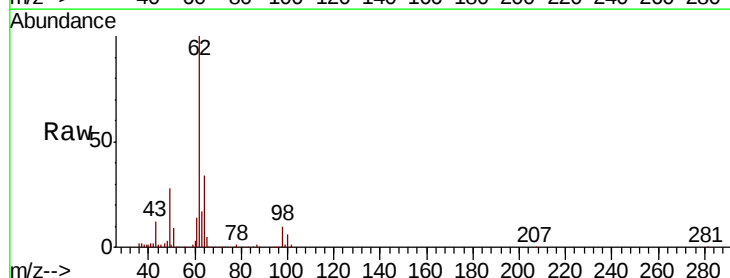
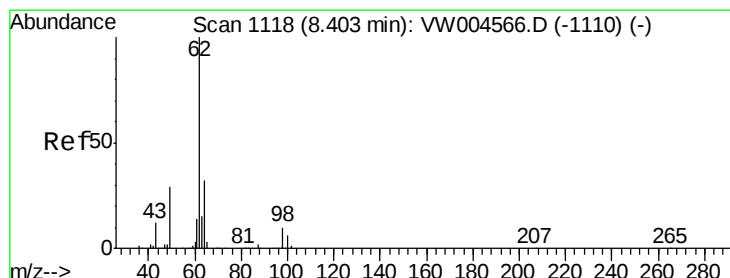
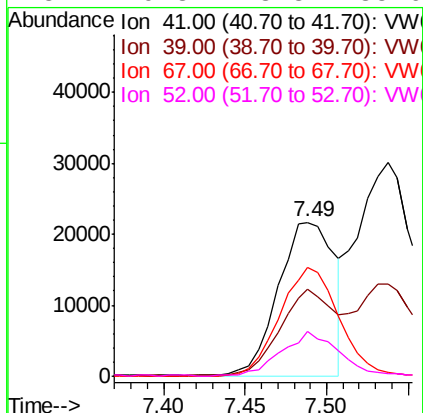
#41
Methacrylonitrile
Concen: 18.84 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tot Ion	41	Resp	51522
Ion	Ratio	Lower	Upper
41	100		
39	54.2	46.2	69.2
67	75.7	60.8	91.2
52	29.3	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

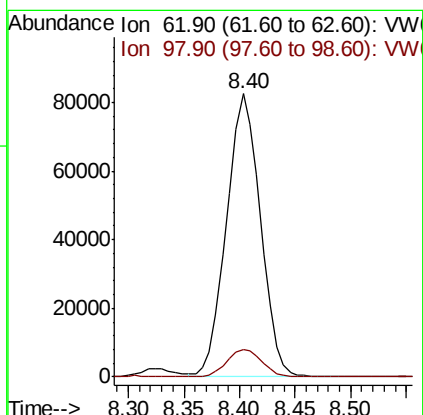
Manual Integrations
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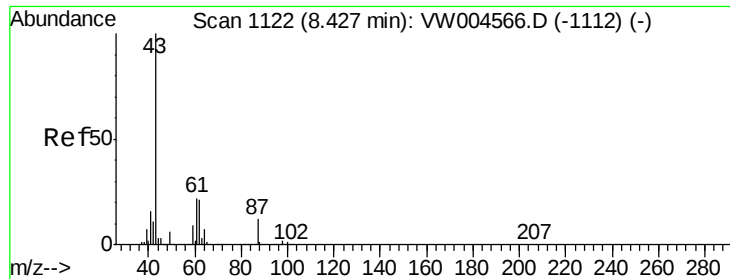
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8/13/2018 12:57:22 PM



#42
1,2-Dichloroethane
Concen: 20.52 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	62	Resp	174320
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





#43

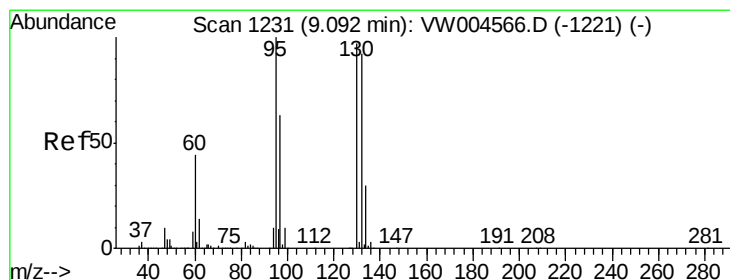
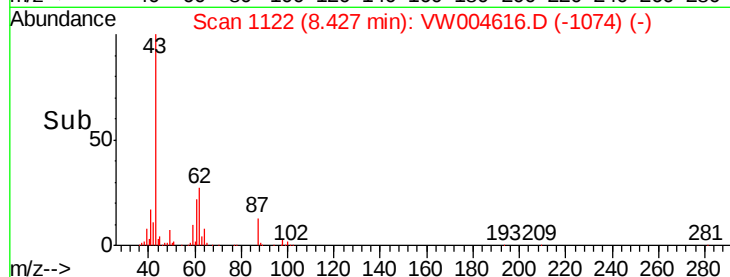
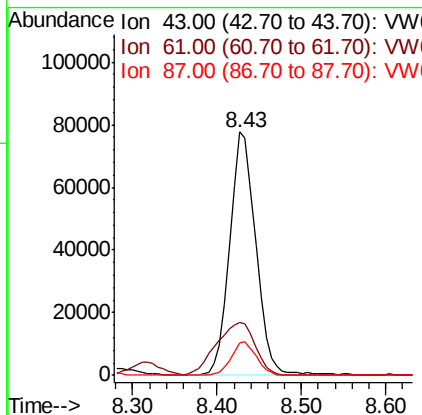
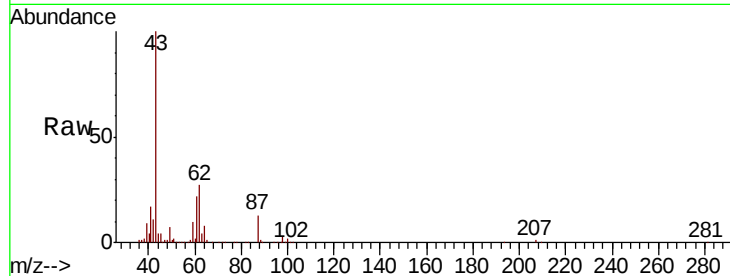
Isopropyl Acetate
 Concen: 19.07 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.2	37.8
87	13.4	10.6	16.0

Manual Integrations
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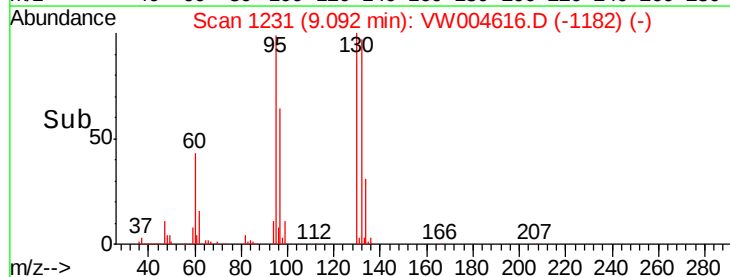
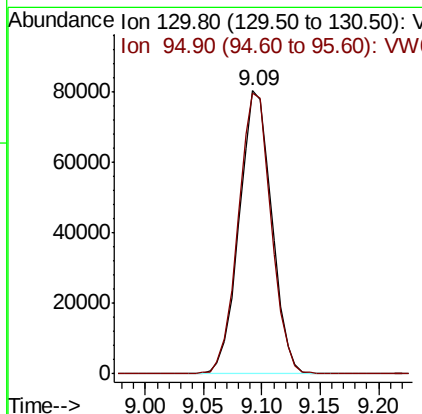
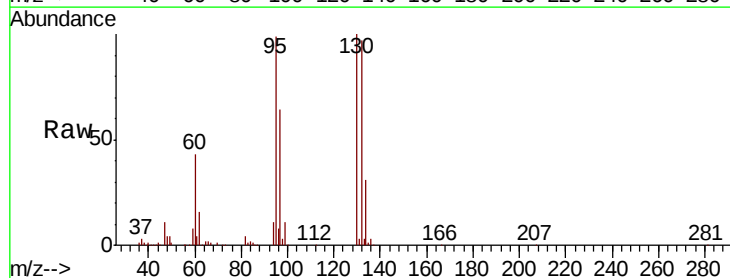
apatel
 8/13/2018 12:57:22 PM

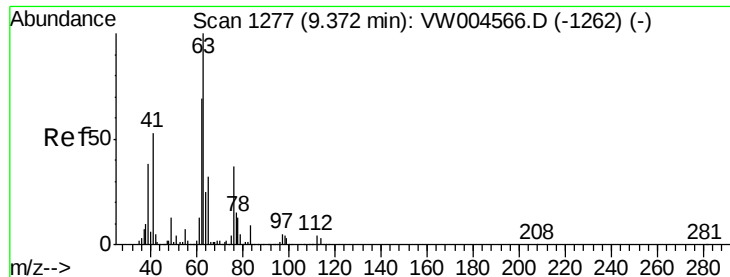


#44

Trichloroethene
 Concen: 20.76 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	196.2





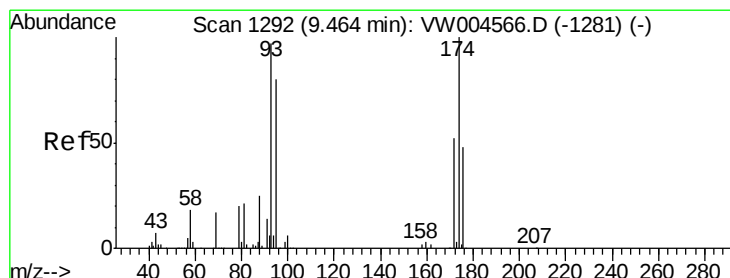
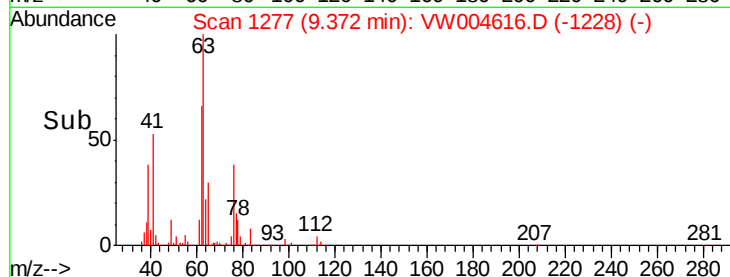
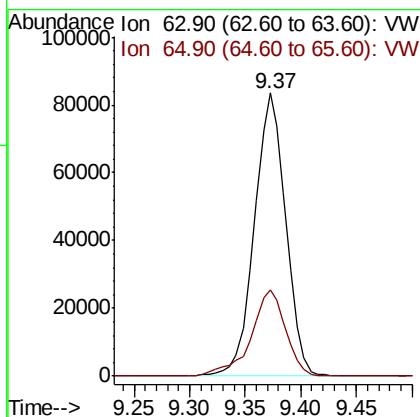
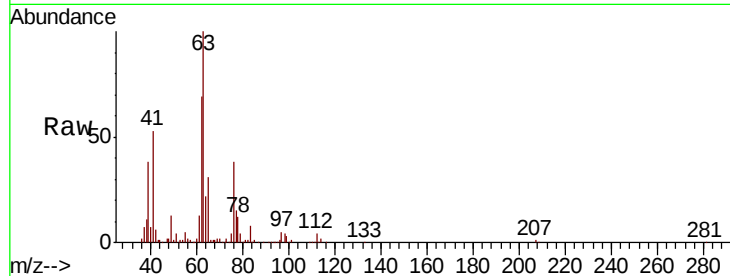
#45
 1,2-Dichloropropane
 Concen: 21.26 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.5	36.7

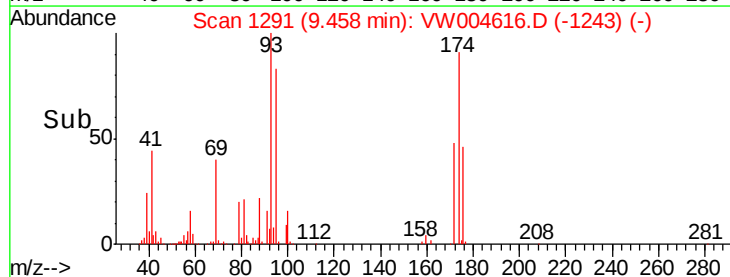
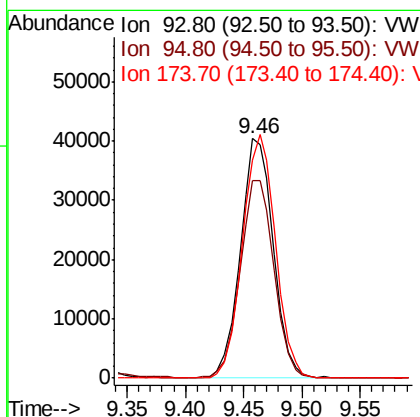
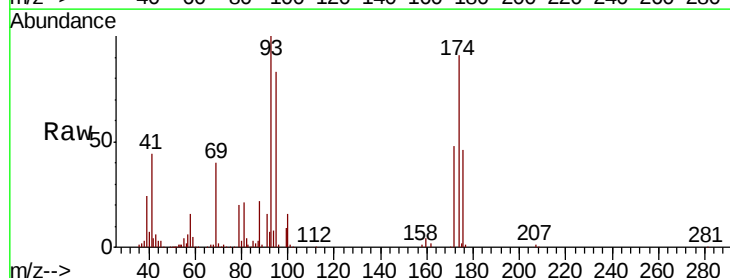
Manual Integrations
 APPROVED

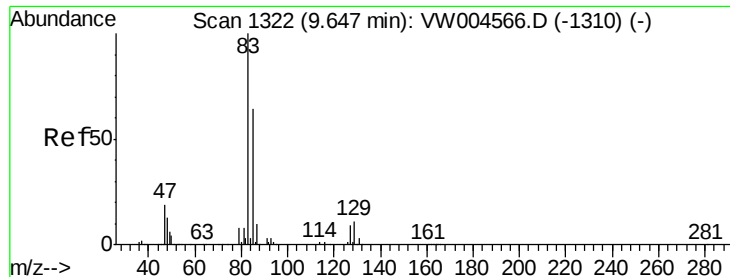
apatel
 8/13/2018 12:57:22 PM



#46
 Dibromomethane
 Concen: 20.29 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	67.0	100.4
174	101.7	80.2	120.4





#47

Bromodichloromethane

Concen: 20.39 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

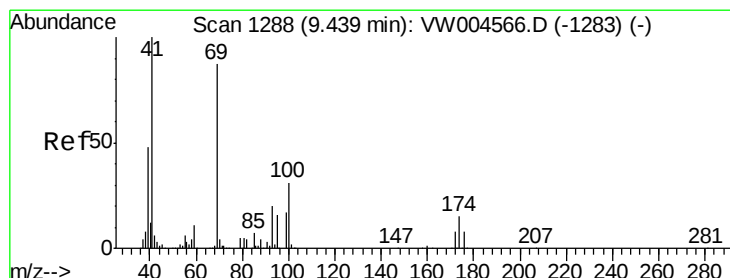
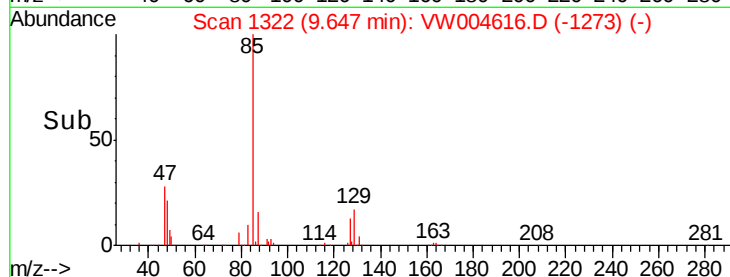
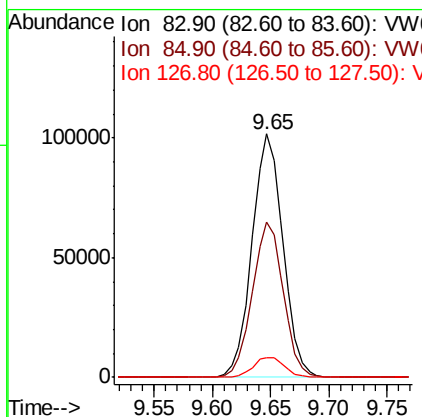
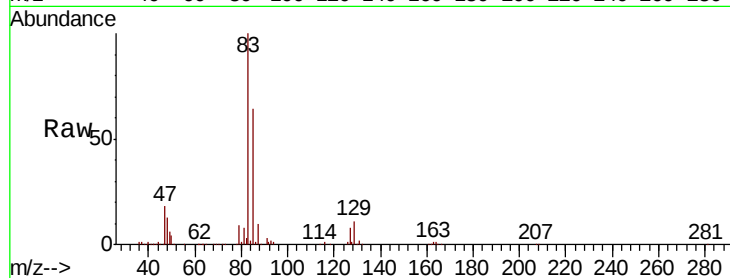
ClientSampled :

VW0813SBS02

Tot Ion:	83	Resp:	188437
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.7	76.1
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.20 ug/l

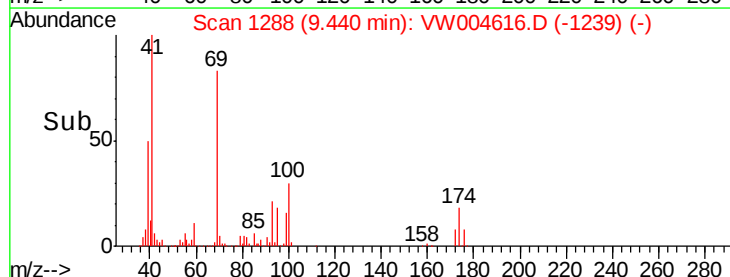
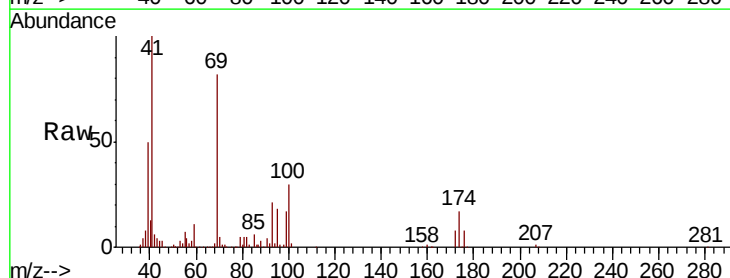
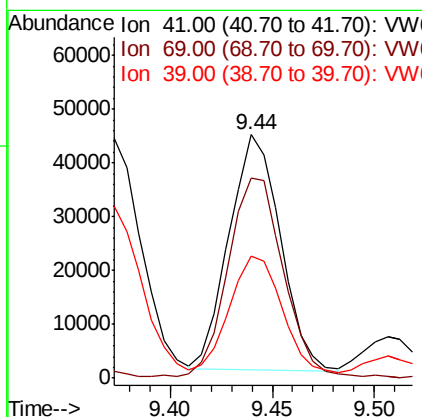
RT: 9.44 min Scan# 1288

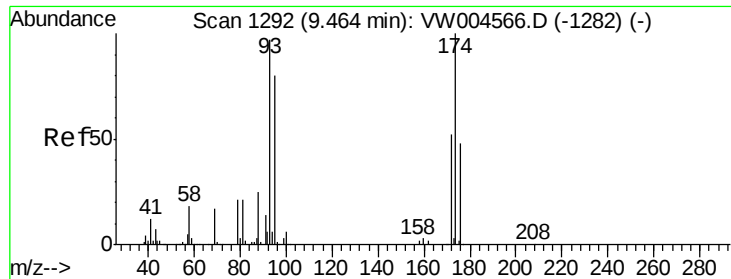
Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion:	41	Resp:	76597
Ion Ratio	Lower	Upper	
41	100		
69	91.6	73.2	109.8
39	50.3	40.6	60.8





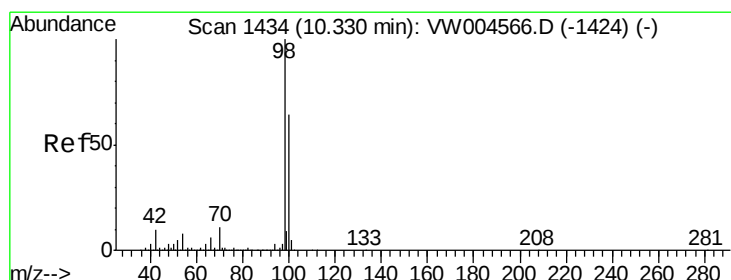
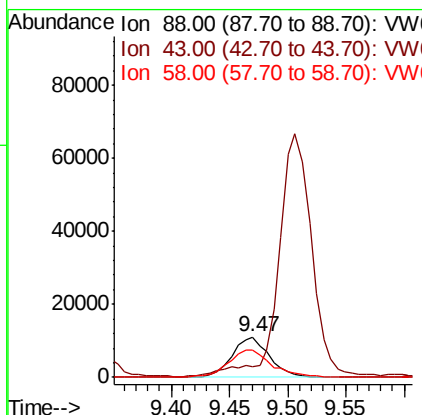
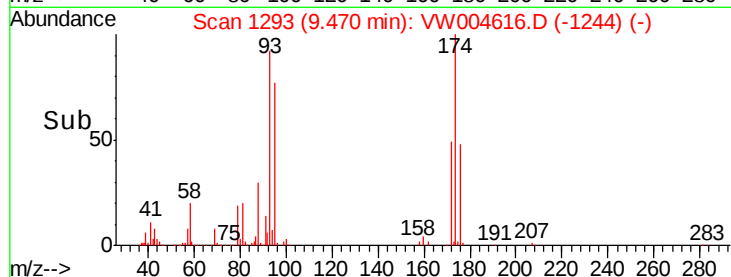
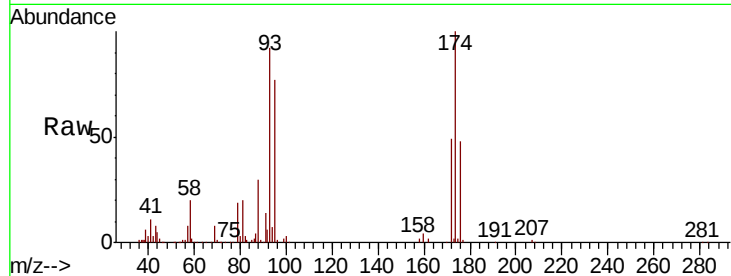
#49
1,4-Dioxane
Concen: 413.87 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.6	63.5	95.3

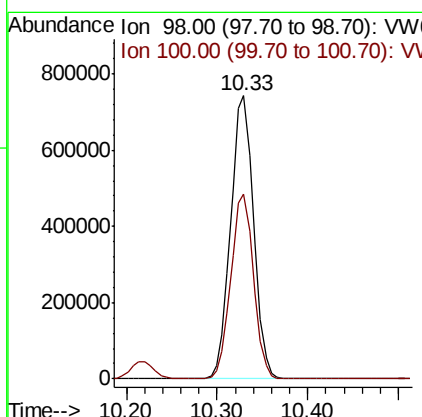
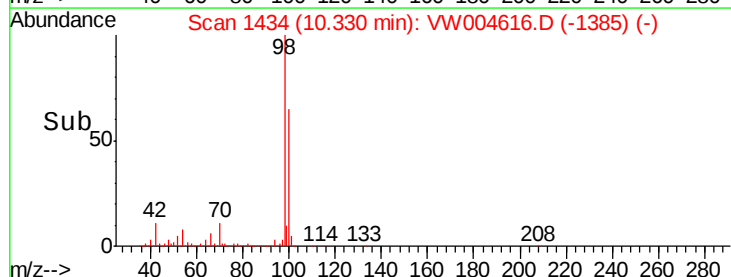
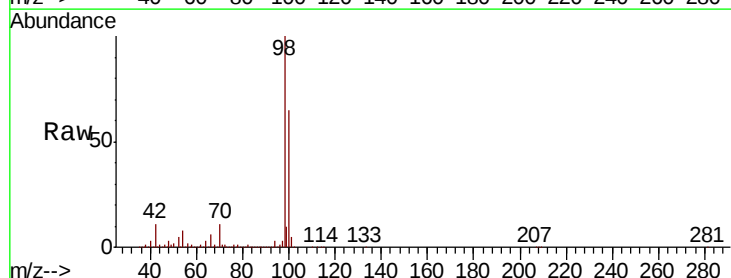
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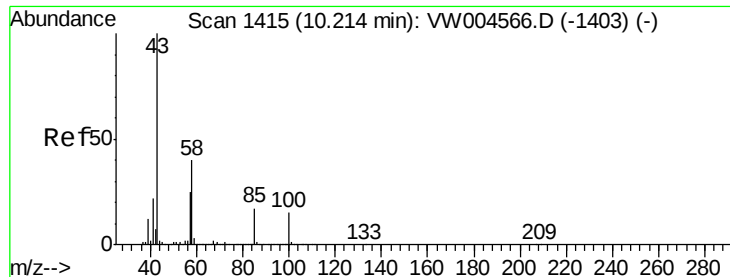
apatel
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#50
Toluene-d8
Concen: 52.75 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 95.52 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 43 Resp: 567615

Ion Ratio Lower Upper

43 100

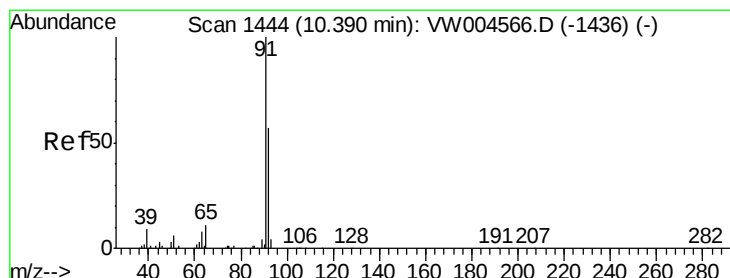
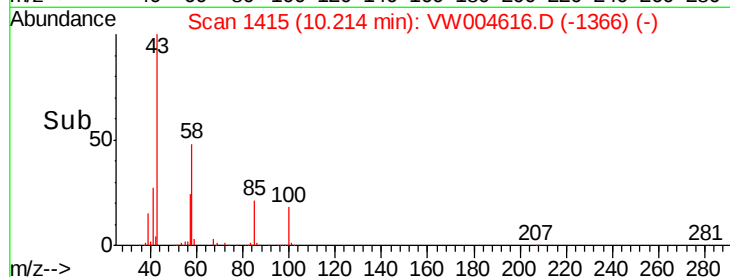
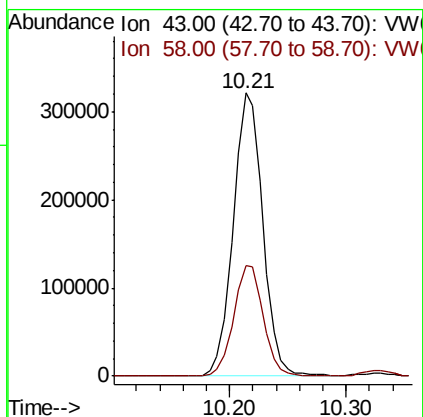
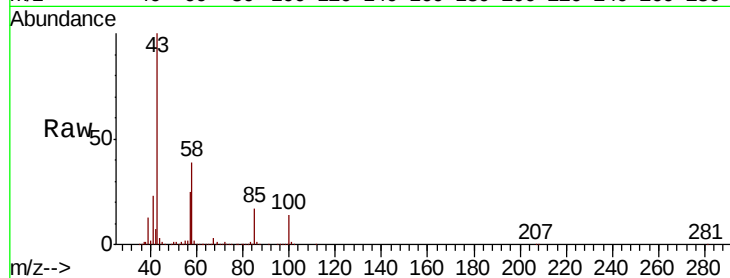
58 39.2 31.9 47.9

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#52

Toluene

Concen: 21.77 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004616.D

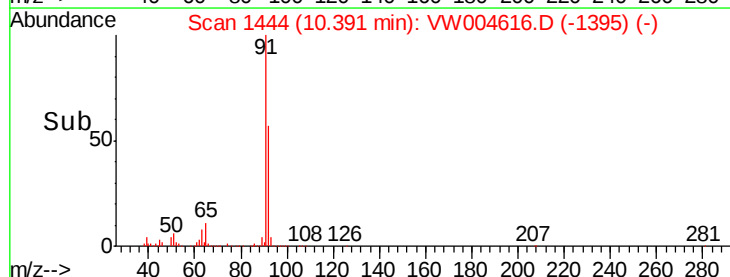
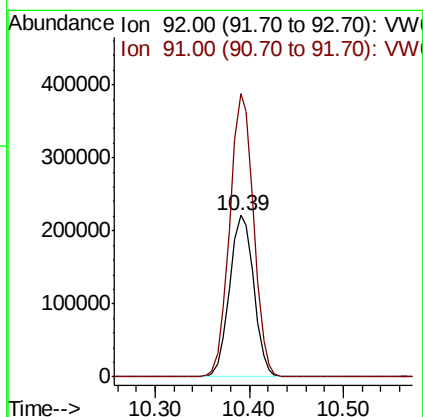
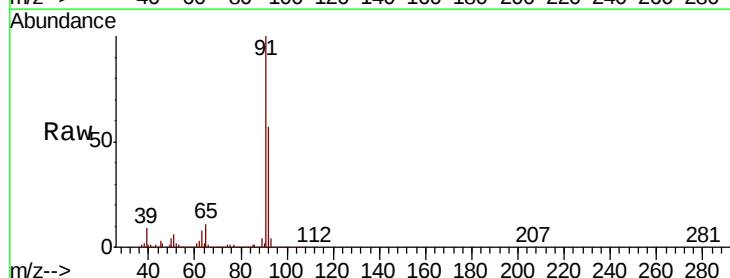
Acq: 11 Aug 2018 01:08

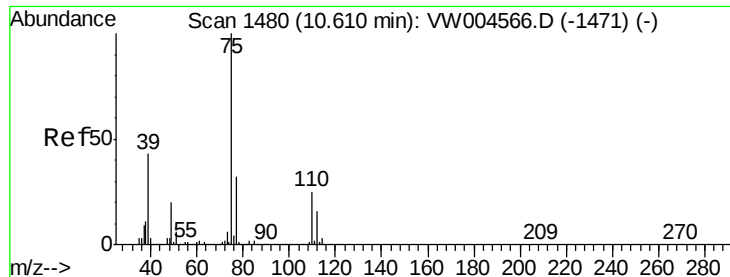
Tgt Ion: 92 Resp: 394231

Ion Ratio Lower Upper

92 100

91 172.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.28 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 75 Resp: 178928

Ion Ratio Lower Upper

75 100

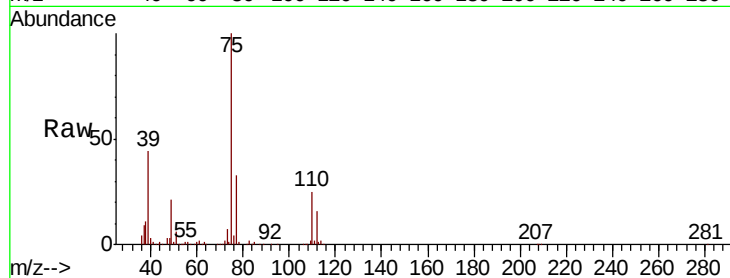
77 32.4 25.1 37.7

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

120000

100000

80000

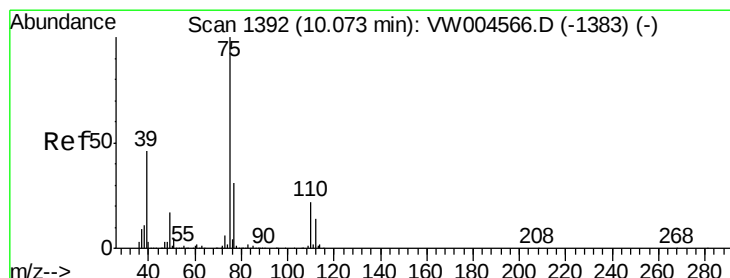
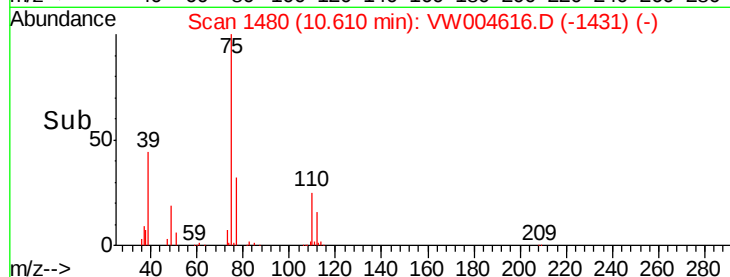
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.21 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

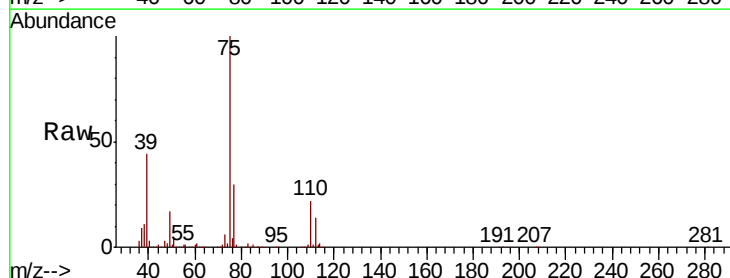
Tgt Ion: 75 Resp: 218505

Ion Ratio Lower Upper

75 100

77 30.0 25.3 37.9

39 43.7 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

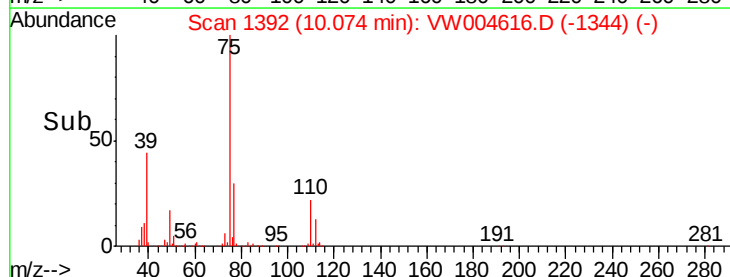
150000

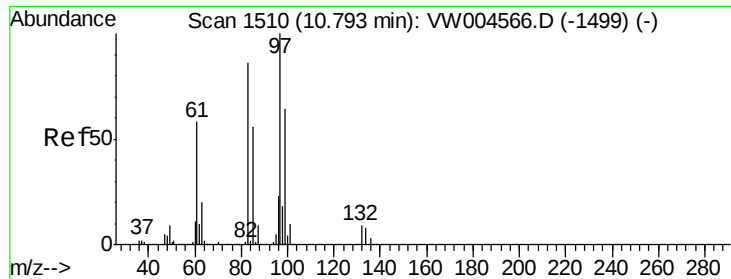
100000

50000

0

Time-->





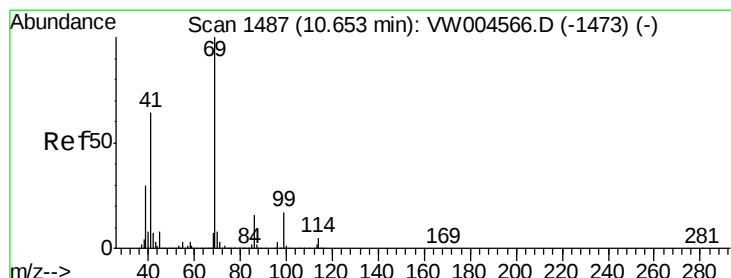
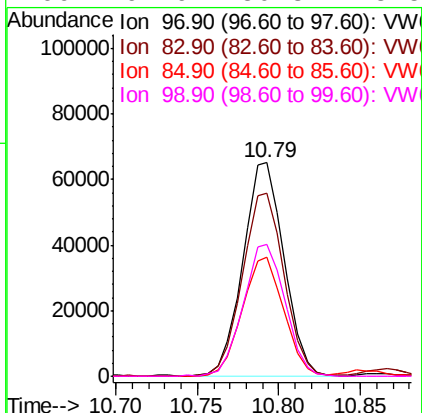
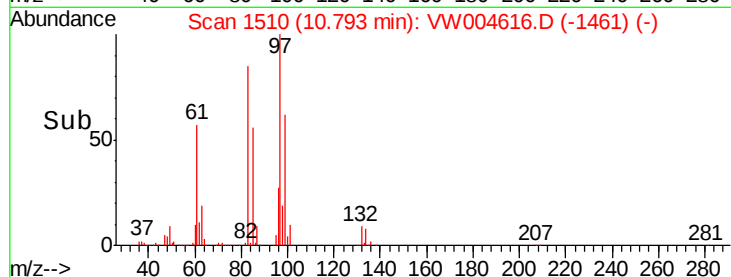
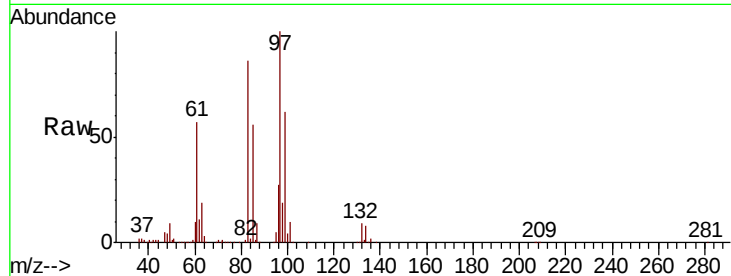
#55
 1,1,2-Trichloroethane
 Concen: 20.23 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampled :
 VW0813SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	85.7	69.8	104.8		
85	55.8	45.1	67.7		
99	61.6	50.3	75.5		

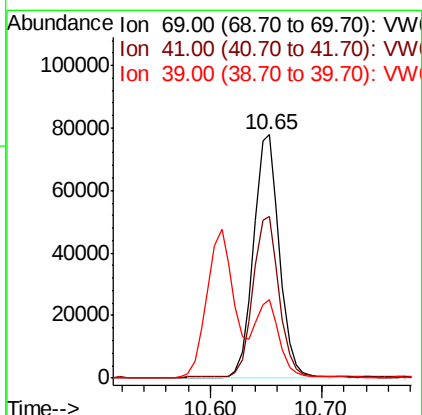
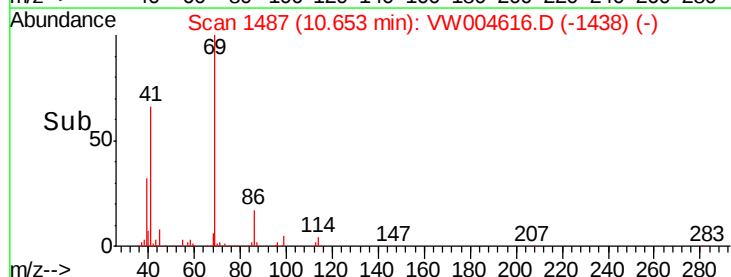
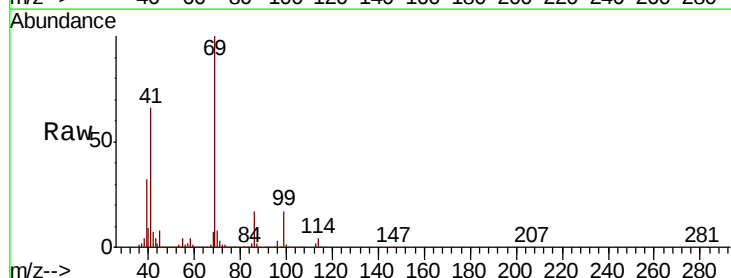
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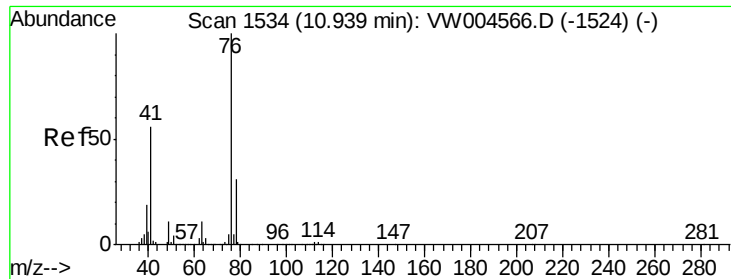
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#56
 Ethyl methacrylate
 Concen: 18.80 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.1	52.4	78.6		
39	29.0	22.7	34.1		





#57

1,3-Dichloropropane

Concen: 20.16 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 76 Resp: 195008

Ion Ratio Lower Upper

76 100

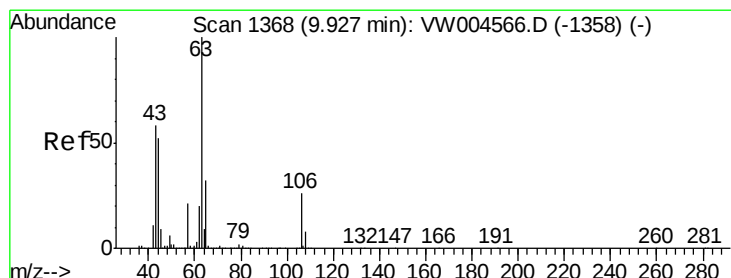
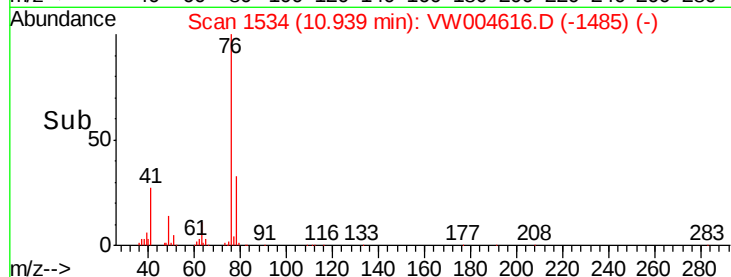
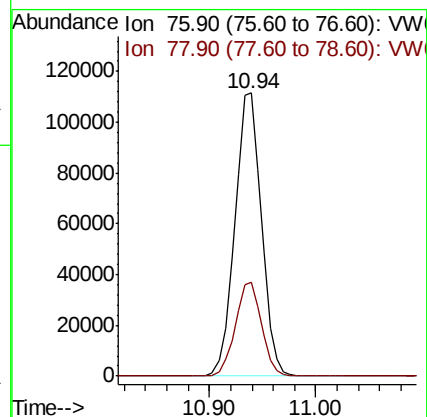
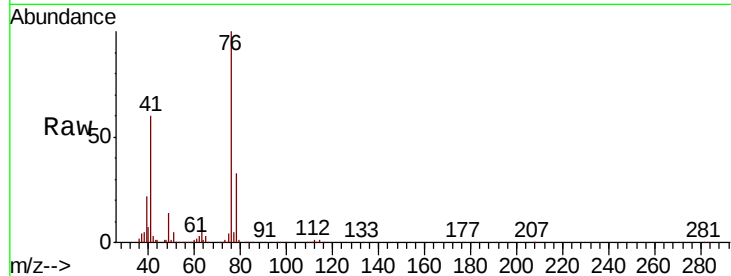
78 33.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.03 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004616.D

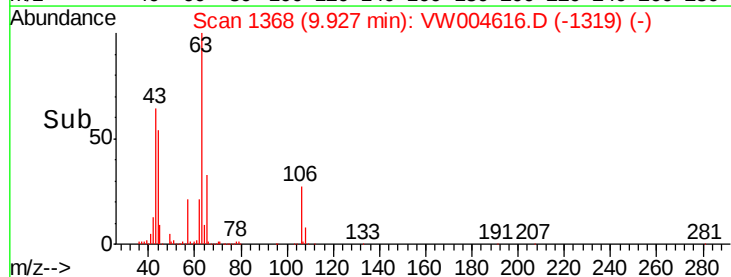
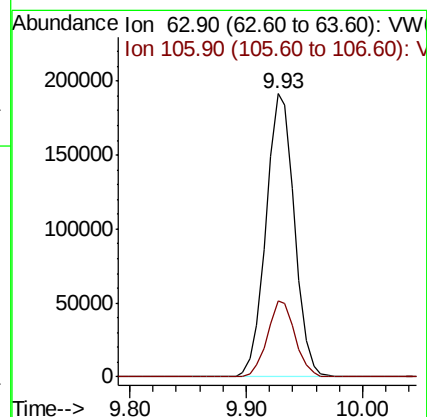
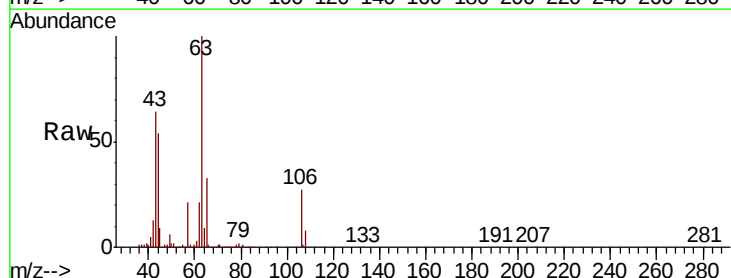
Acq: 11 Aug 2018 01:08

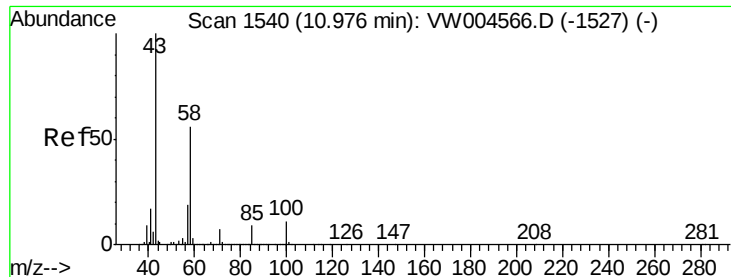
Tgt Ion: 63 Resp: 325911

Ion Ratio Lower Upper

63 100

106 26.1 21.3 31.9





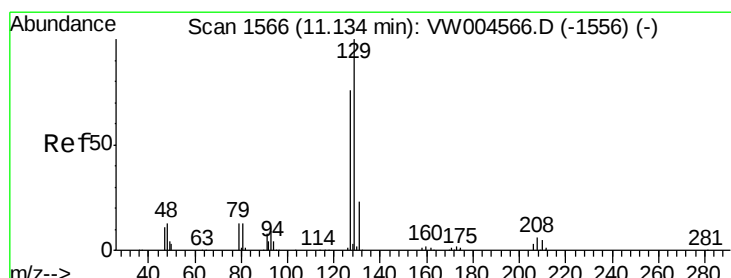
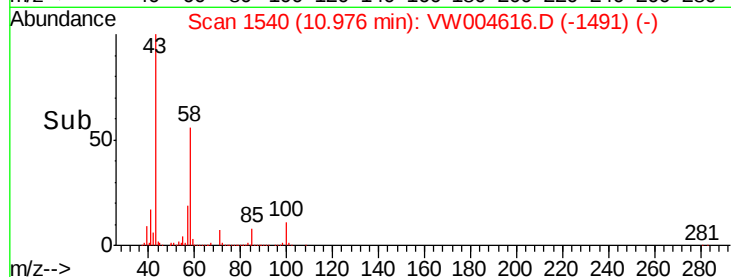
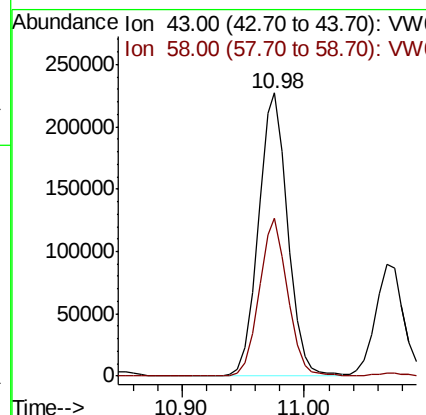
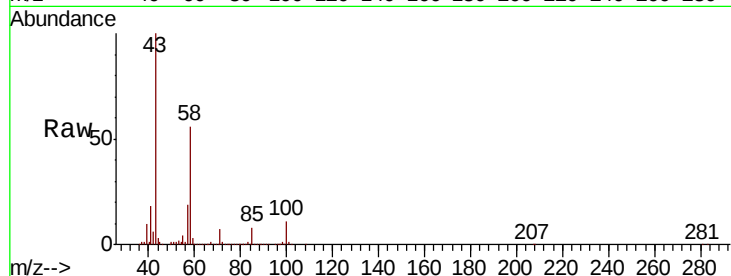
#59
2-Hexanone
Concen: 93.65 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.9	83.6

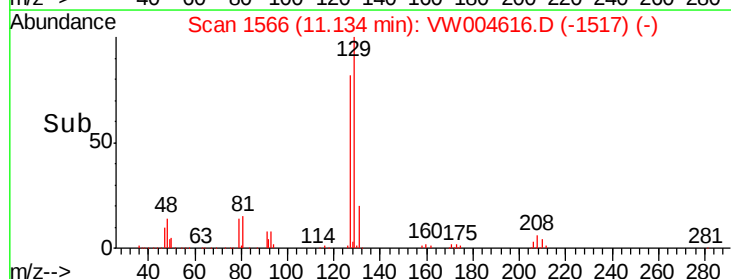
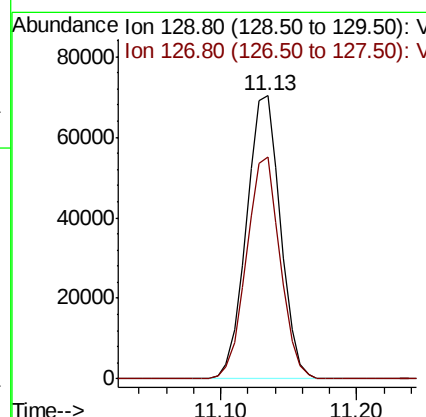
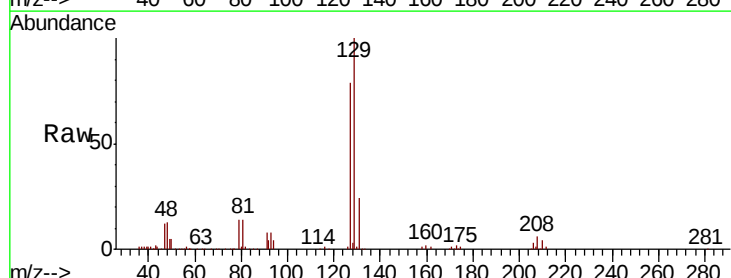
Manual Integrations
APPROVED

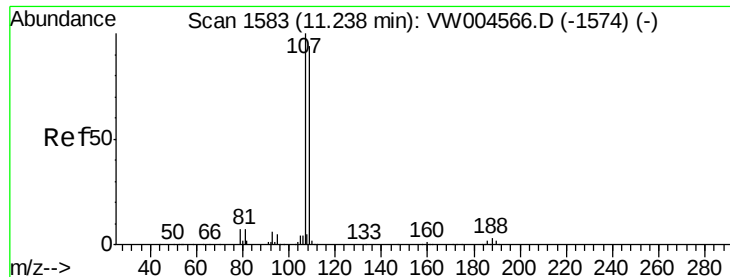
apatel
8/13/2018 12:57:22 PM



#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8





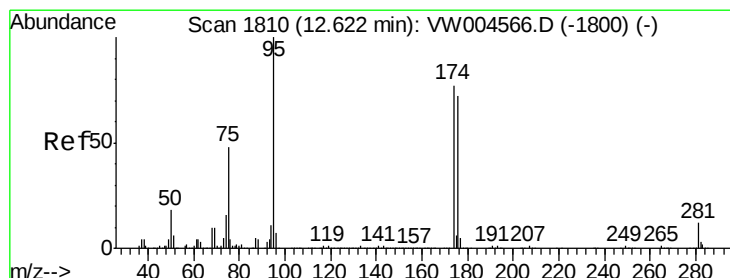
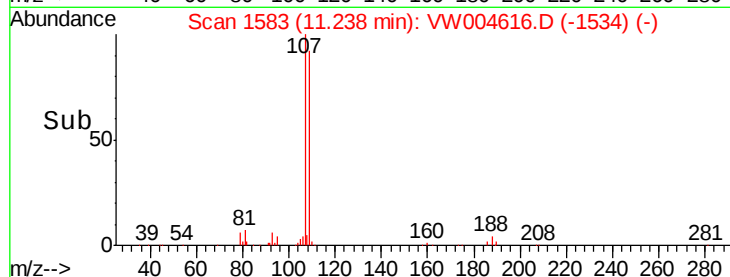
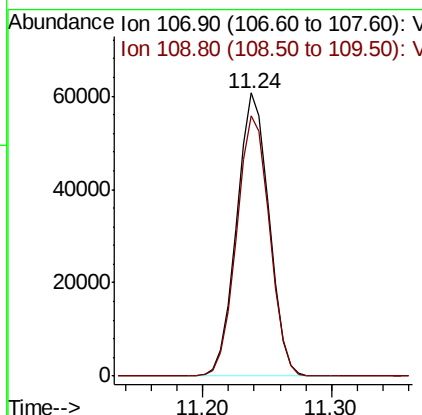
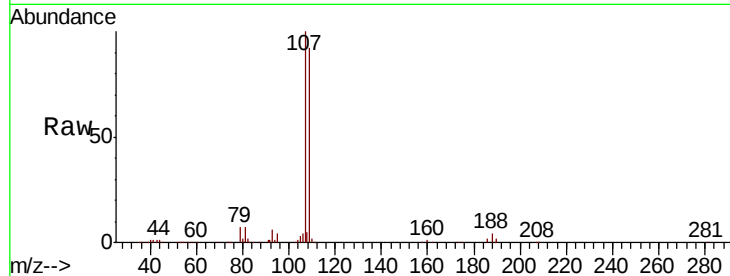
#61
 1,2-Dibromoethane
 Concen: 20.01 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.7	113.5

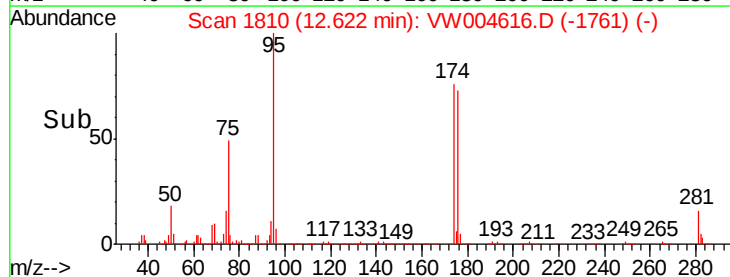
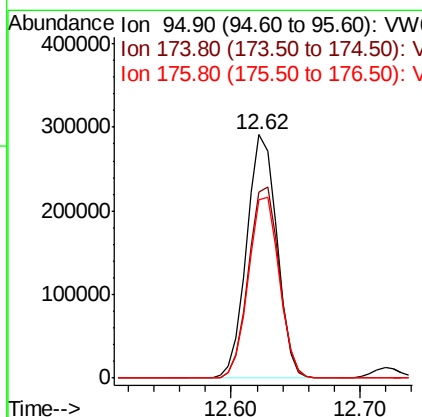
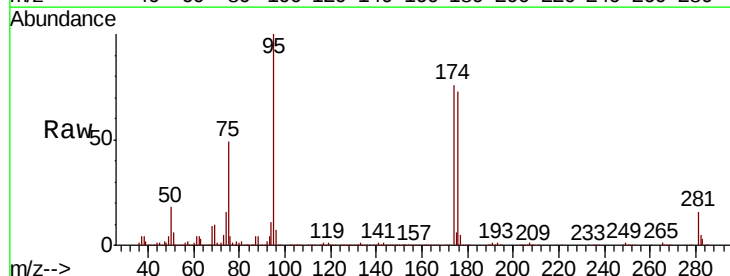
Manual Integrations
 APPROVED

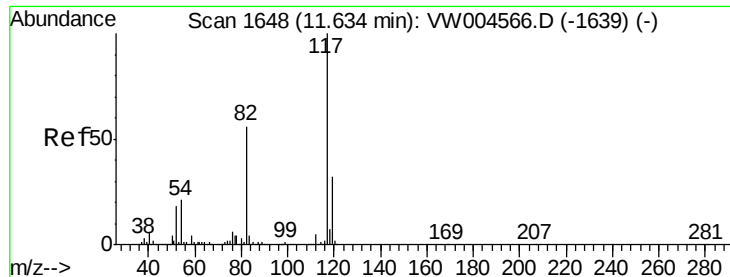
apatel
 8/13/2018 12:57:22 PM



#62
 4-Bromofluorobenzene
 Concen: 52.83 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	160.4
176	75.8	0.0	153.2





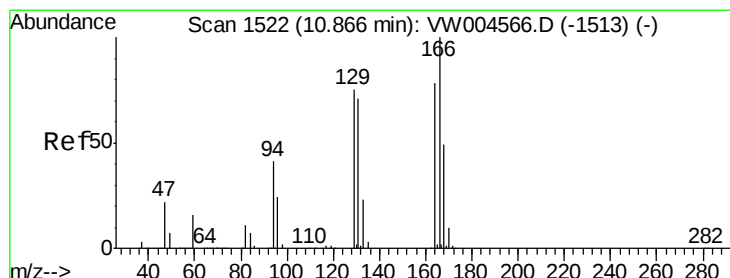
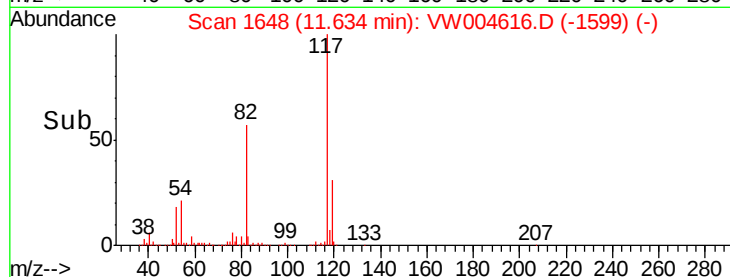
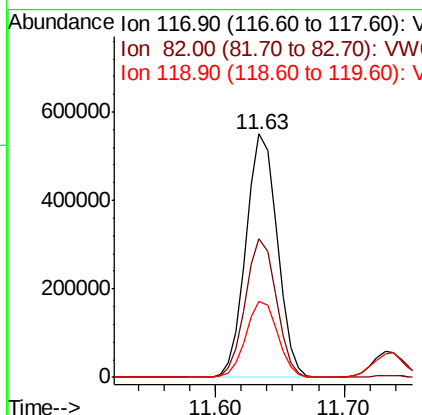
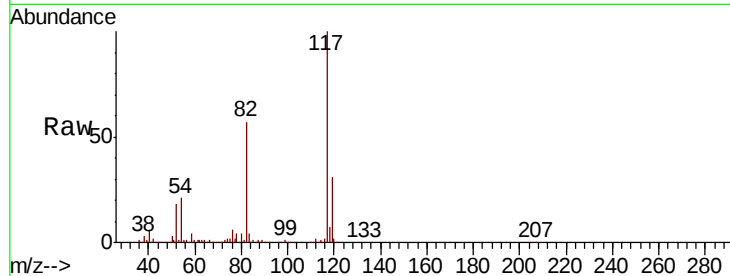
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	921468		
82	56.7	45.3	67.9	
119	31.4	26.2	39.4	

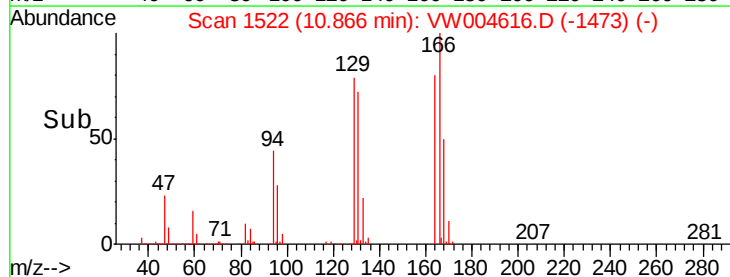
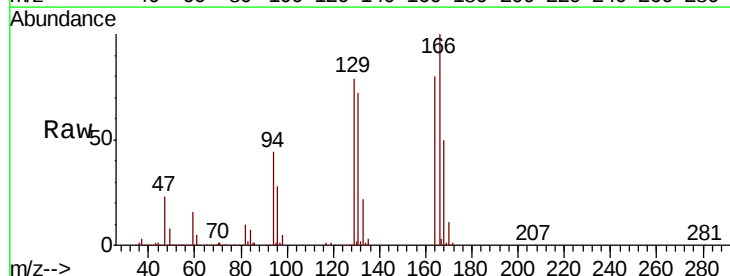
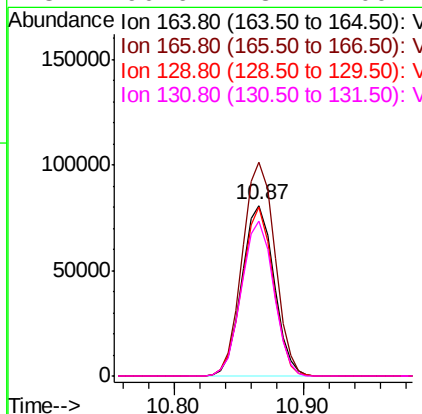
Manual Integrations
APPROVED

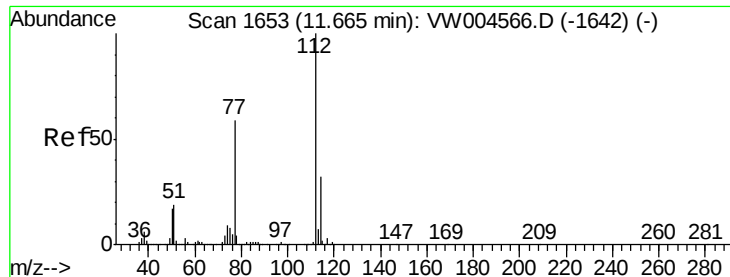
apatel
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#64
Tetrachloroethene
Concen: 21.68 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139345		
166	125.1	98.4	147.6	
129	98.8	73.6	110.4	
131	90.6	73.1	109.7	





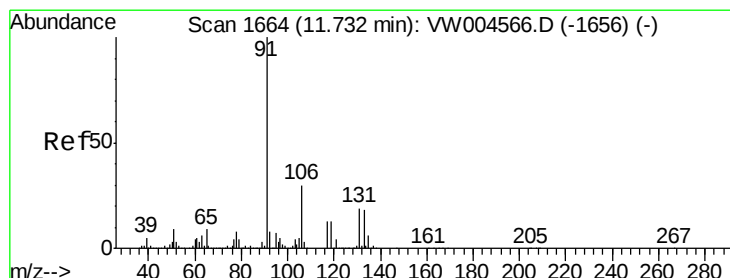
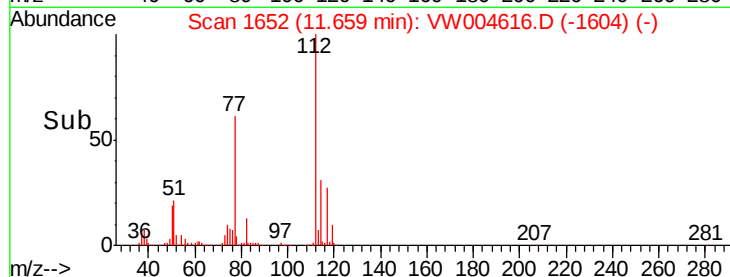
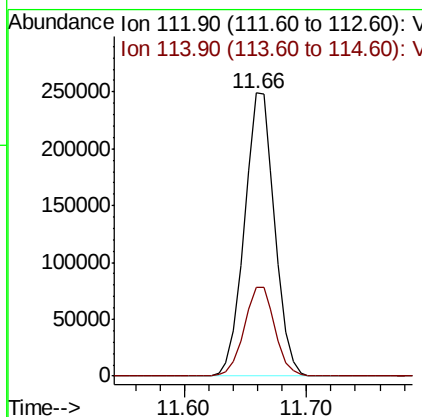
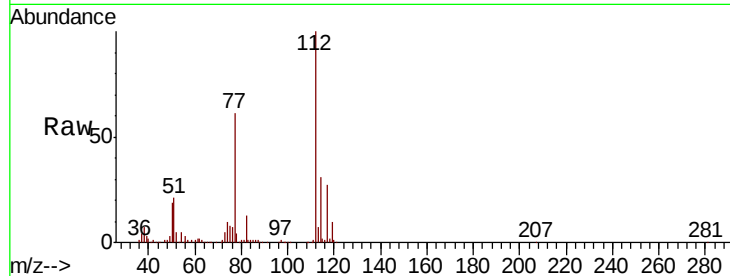
#65
Chlorobenzene
Concen: 20.98 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

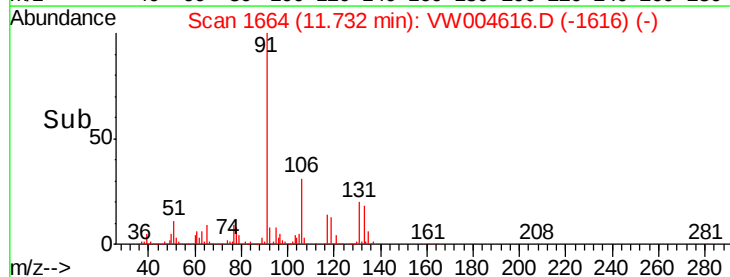
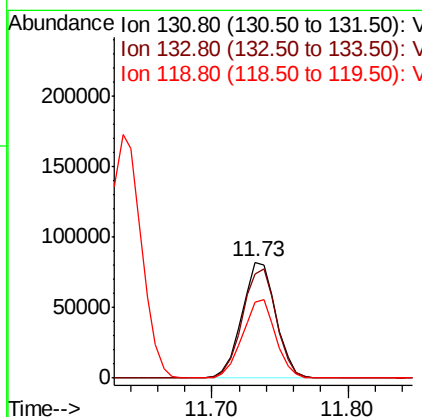
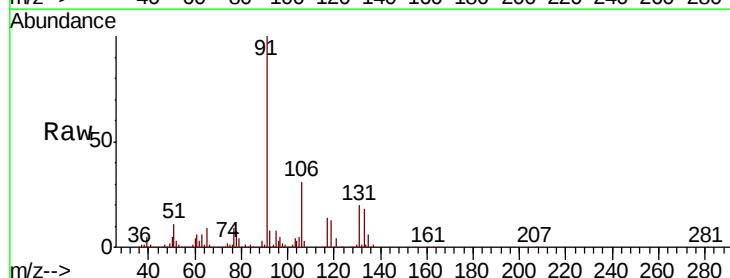
Manual Integrations
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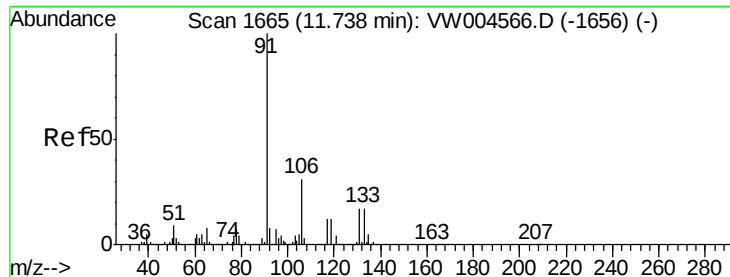
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.68 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.1	144.4
119	66.6	33.9	101.7





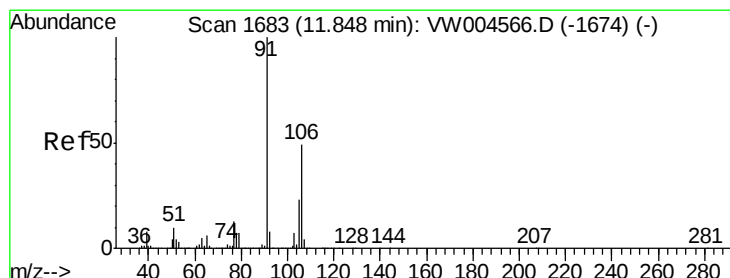
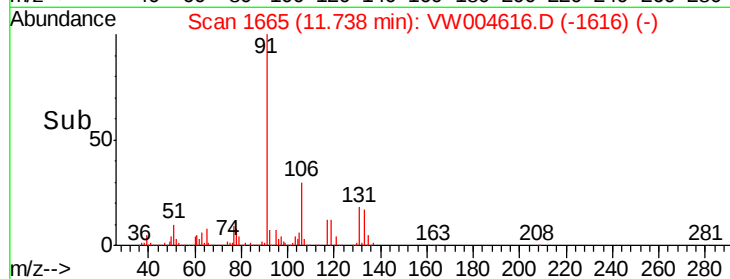
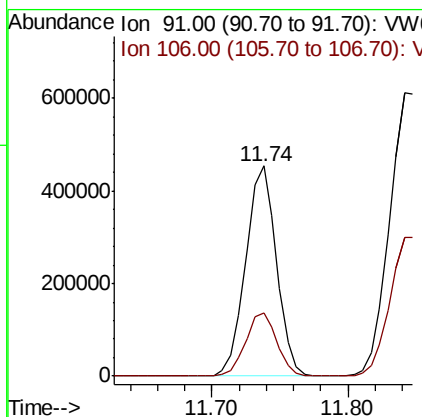
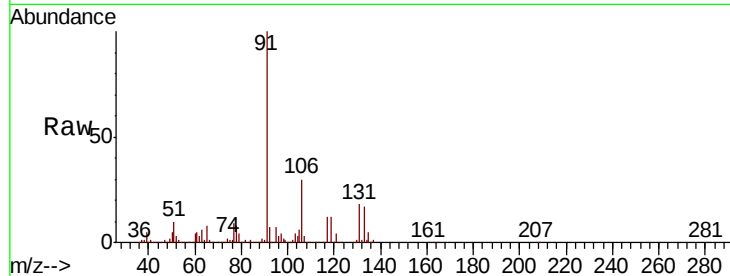
#67
Ethyl Benzene
Concen: 20.94 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampled :
VW0813SBS02

Tot Ion: 91 Resp: 720812
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

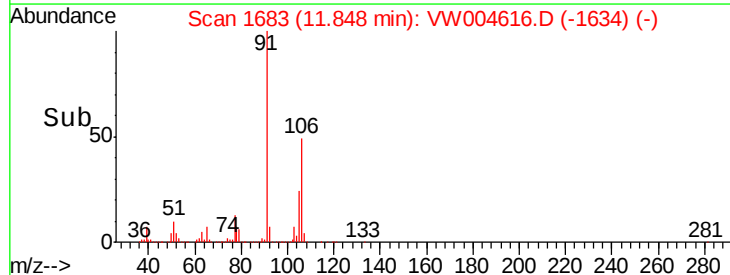
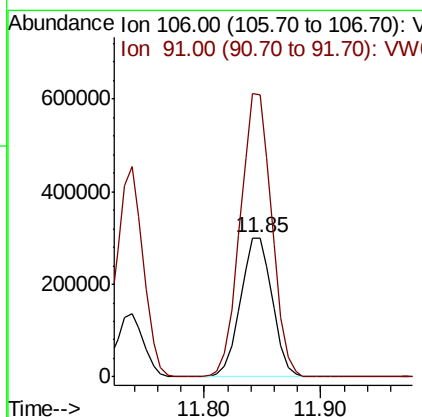
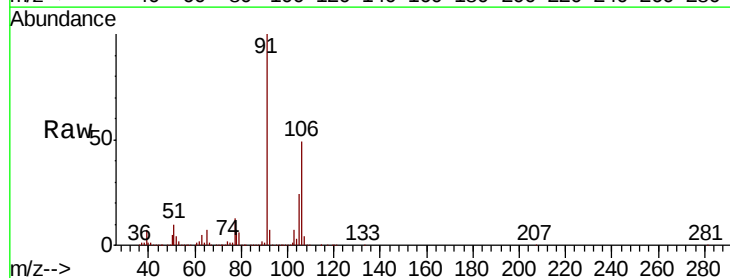
Manual Integrations
APPROVED

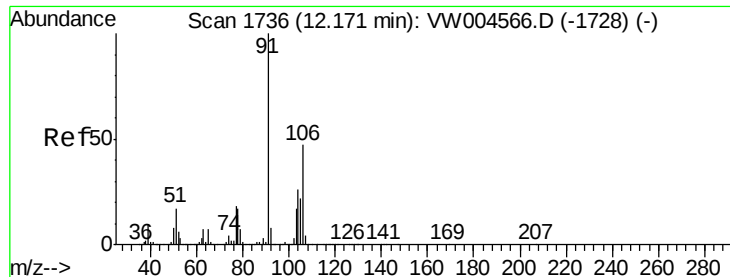
apatel
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#68
m/p-Xylenes
Concen: 42.74 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion: 106 Resp: 568621
Ion Ratio Lower Upper
106 100
91 203.0 162.8 244.2





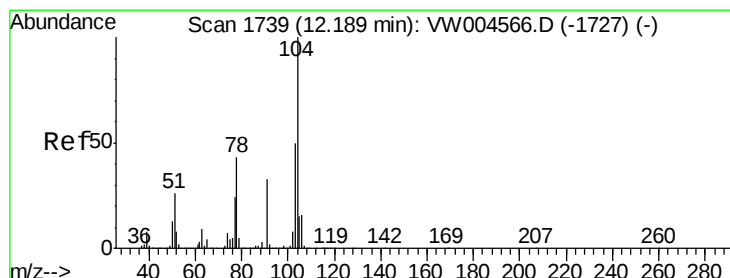
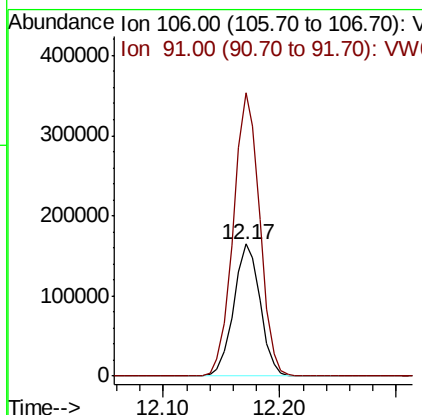
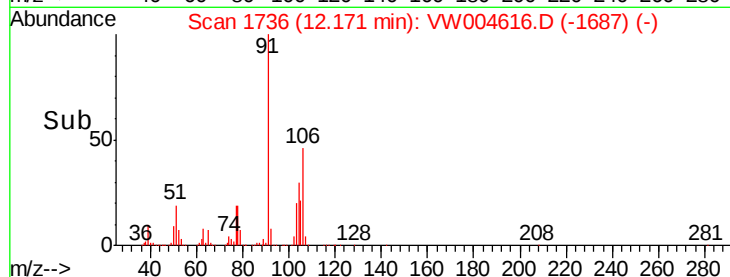
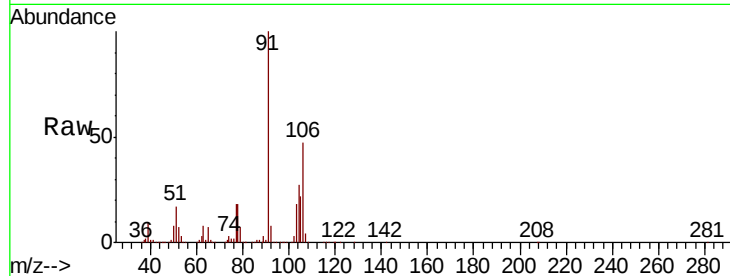
#69
o-Xylene
Concen: 21.11 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	106.7	320.2

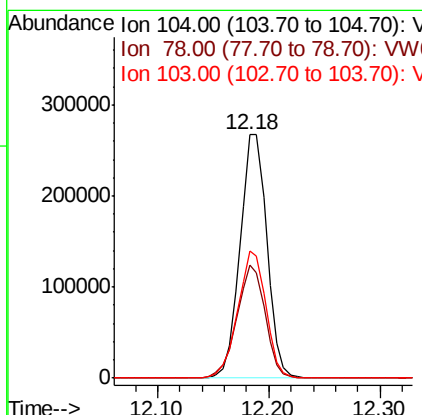
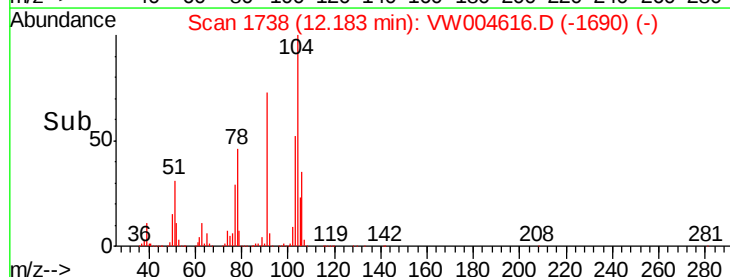
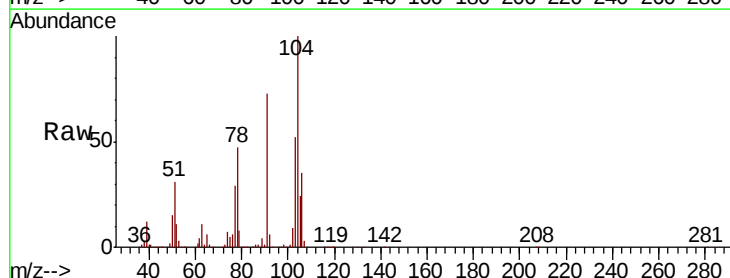
Manual Integrations
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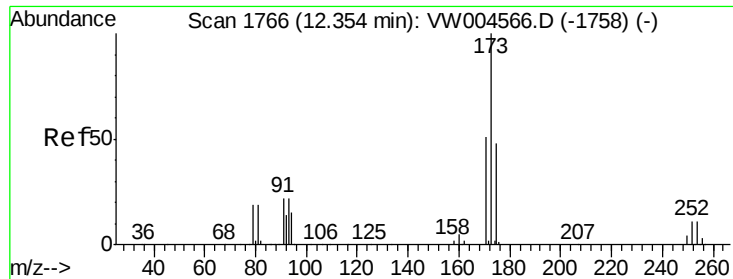
apatel
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#70
Styrene
Concen: 21.49 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.4
103	54.5	44.2	66.2





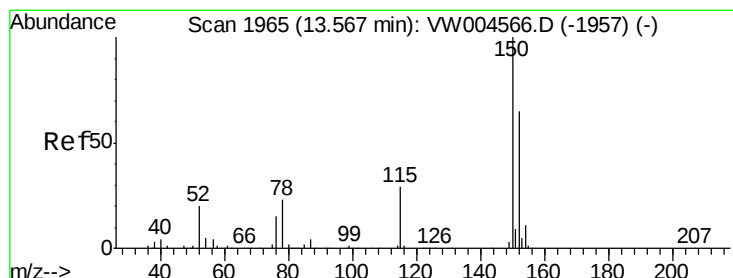
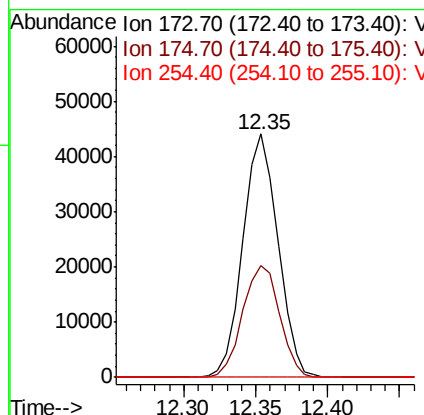
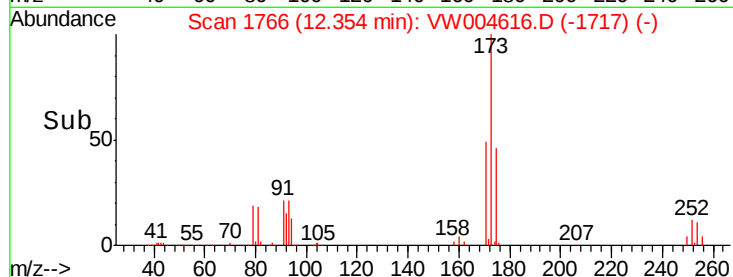
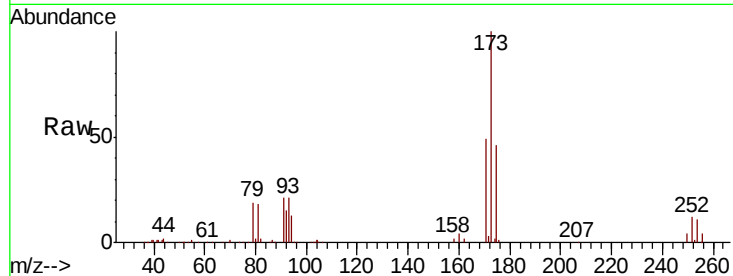
#71
Bromoform
Concen: 19.57 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampled :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.2	0.2	0.2

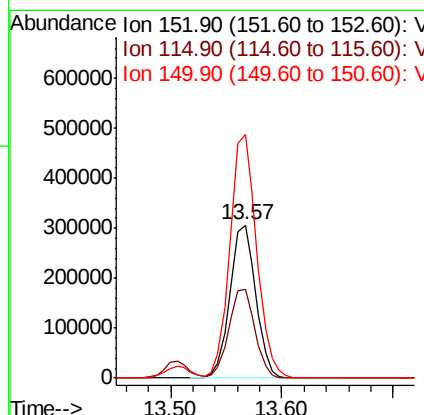
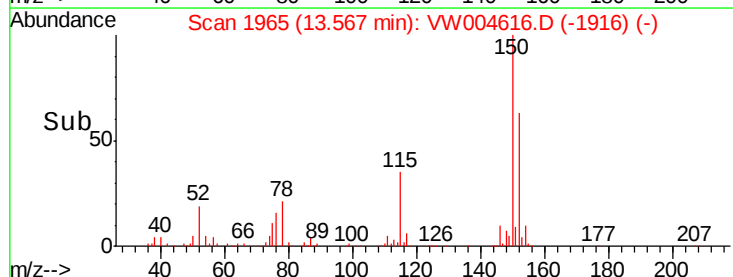
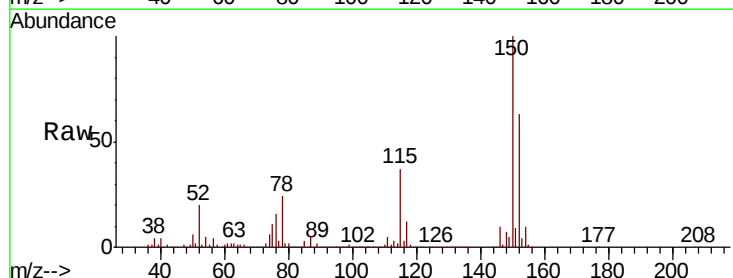
Manual Integrations
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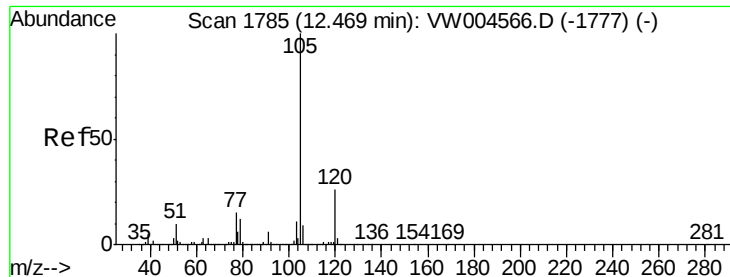
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.1	87.3
150	164.9	0.0	349.6





#73

Isopropylbenzene

Concen: 21.07 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 105 Resp: 715800

Ion Ratio Lower Upper

105 100

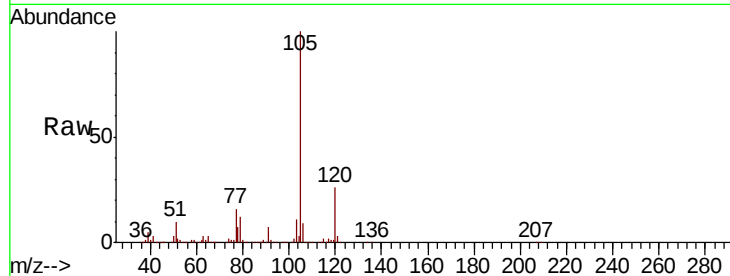
120 26.2 13.2 39.6

Manual Integrations

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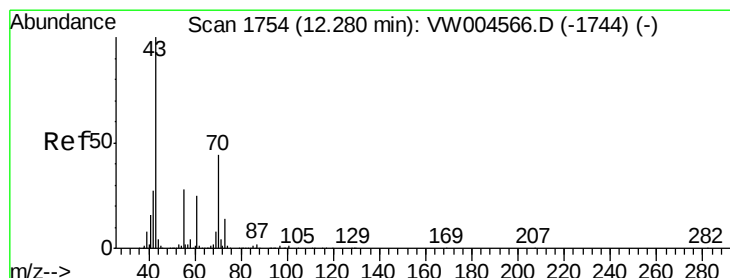
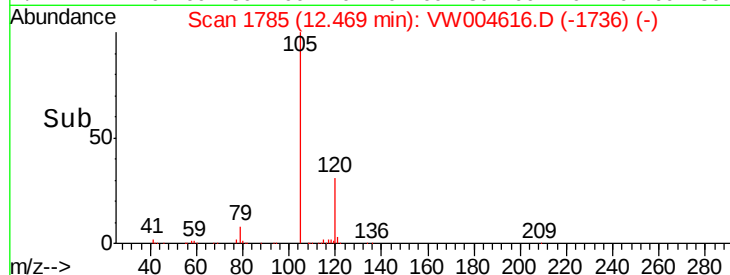
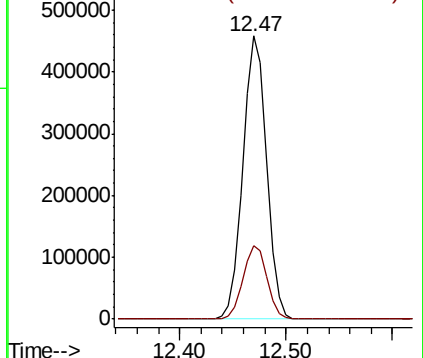
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.44 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion: 43 Resp: 151948

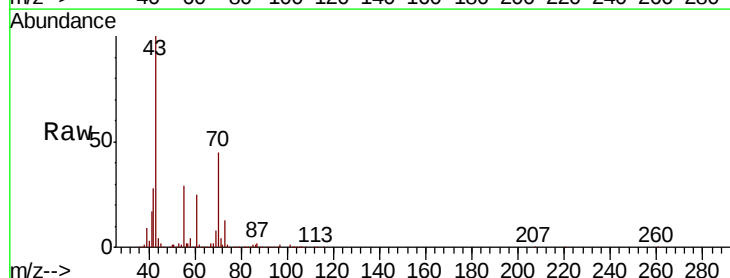
Ion Ratio Lower Upper

43 100

70 44.3 35.3 52.9

55 31.0 22.9 34.3

61 24.9 19.7 29.5

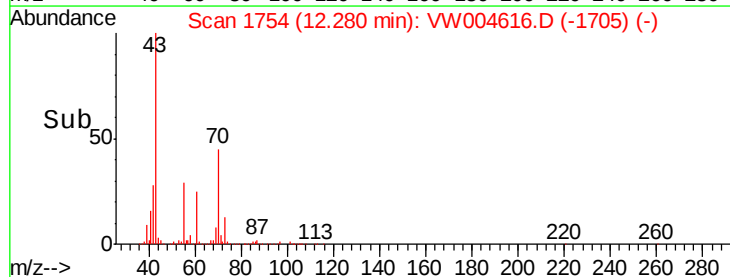
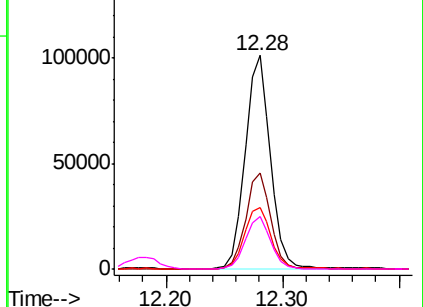


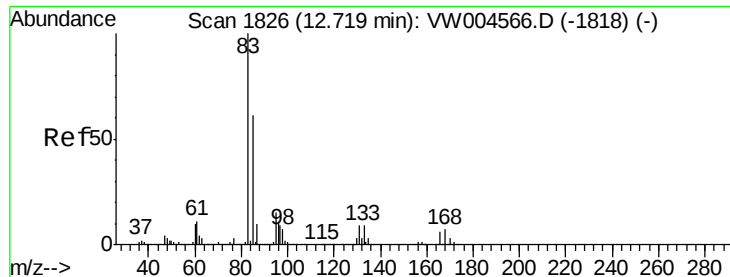
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.53 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

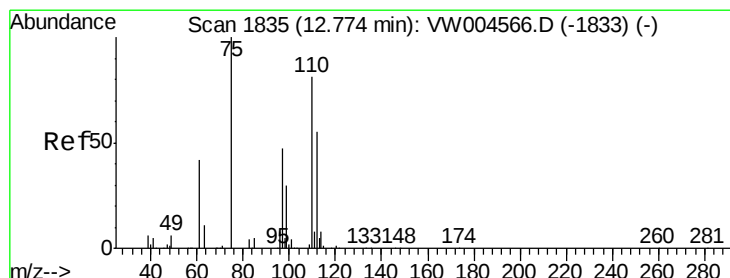
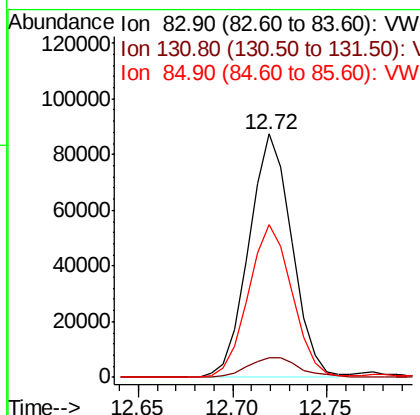
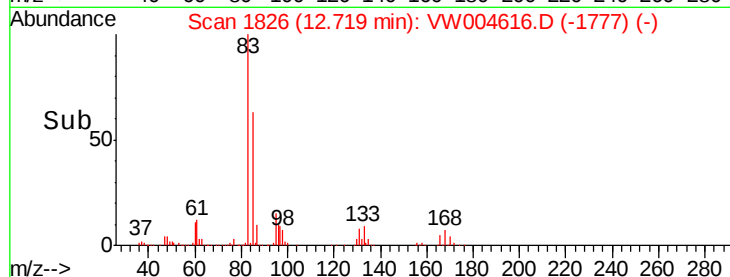
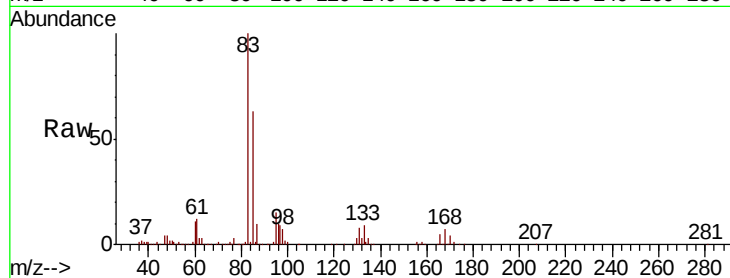
ClientSampled :

VW0813SBS02

Tot Ion:	83	Resp:	138517
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	64.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.71 ug/l m

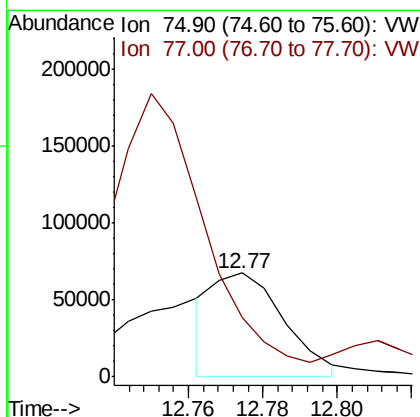
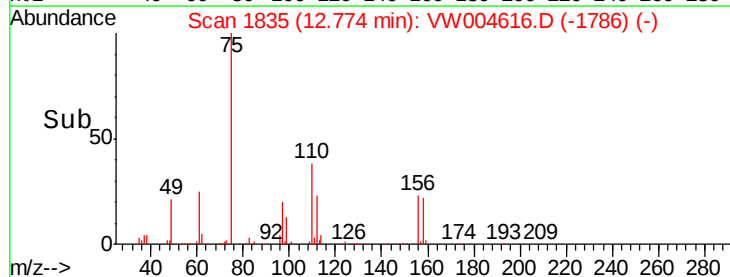
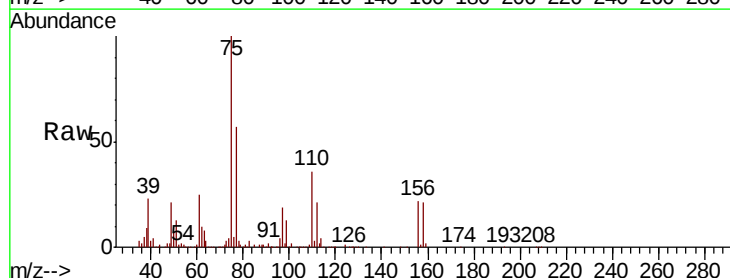
RT: 12.77 min Scan# 1835

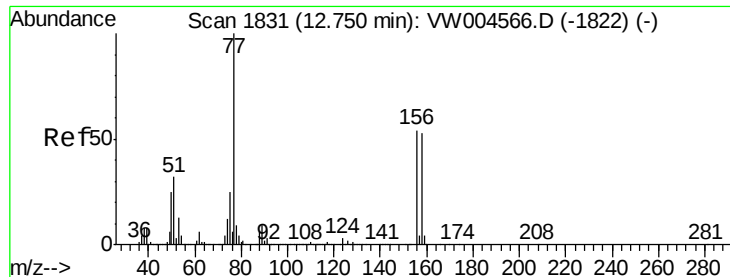
Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion:	75	Resp:	89999
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.94 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

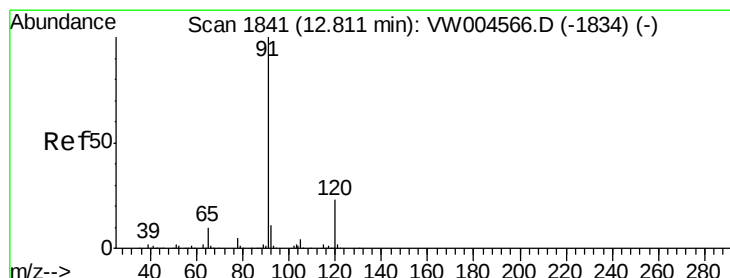
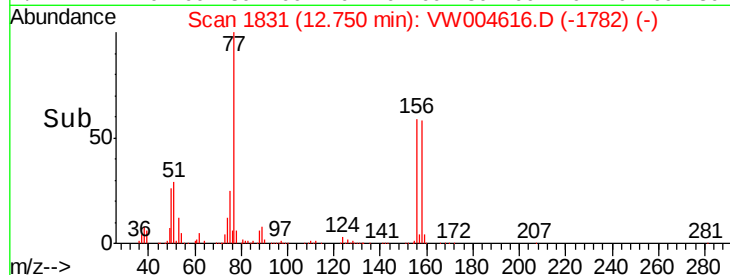
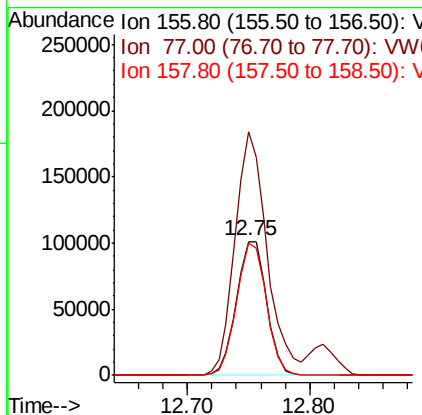
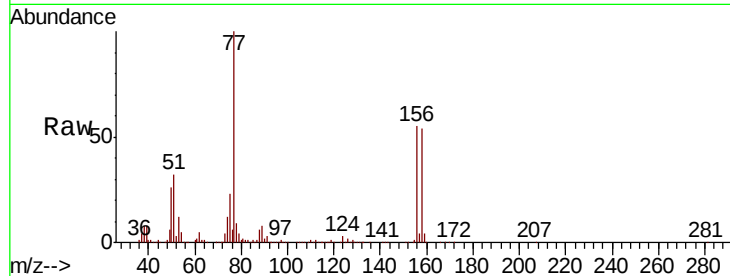
ClientSampled :

VW0813SBS02

Tot Ion:	156	Resp:	172146
Ion Ratio	Lower	Upper	
156	100		
77	193.7	98.7	296.1
158	97.3	48.7	146.1

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#78

n-propylbenzene

Concen: 21.34 ug/l

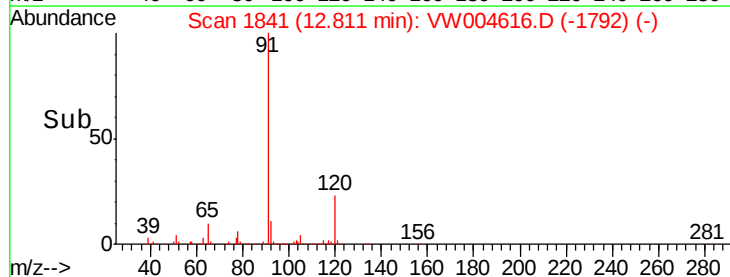
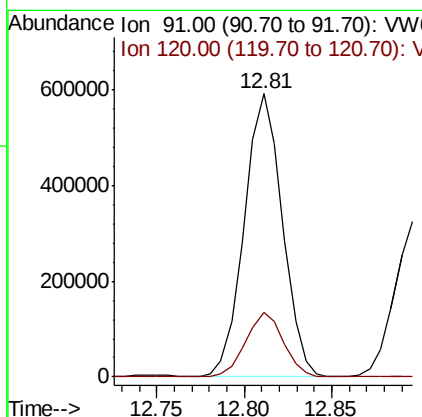
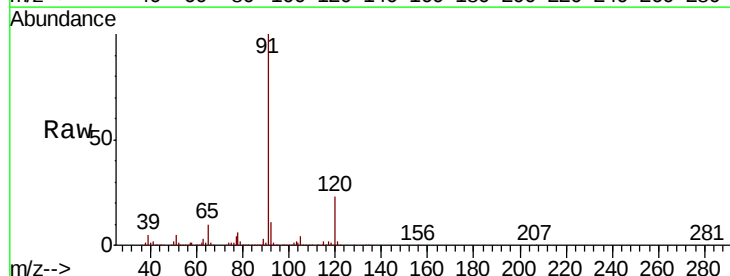
RT: 12.81 min Scan# 1841

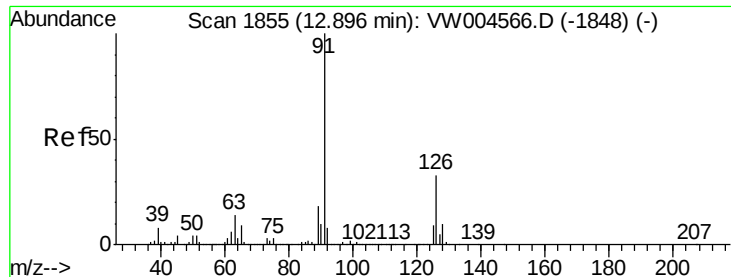
Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Tgt Ion:	91	Resp:	894799
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 21.46 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 91 Resp: 520694

Ion Ratio Lower Upper

91 100

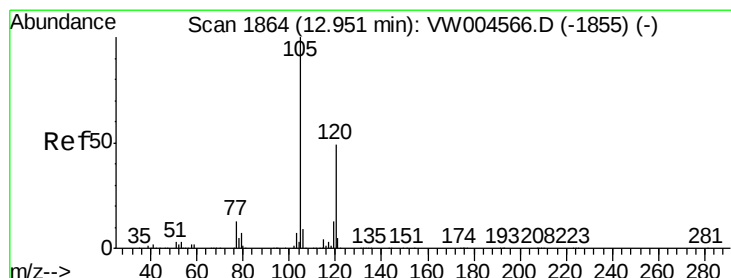
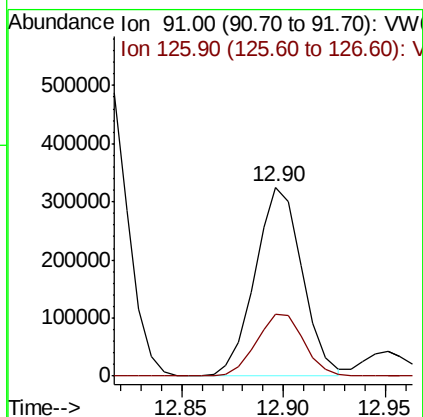
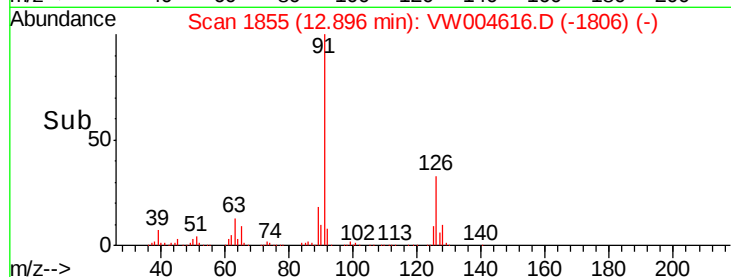
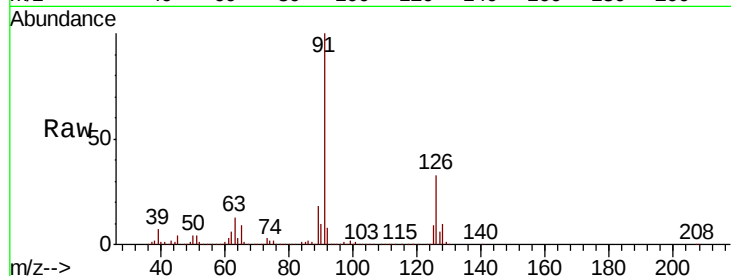
126 33.3 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.71 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004616.D

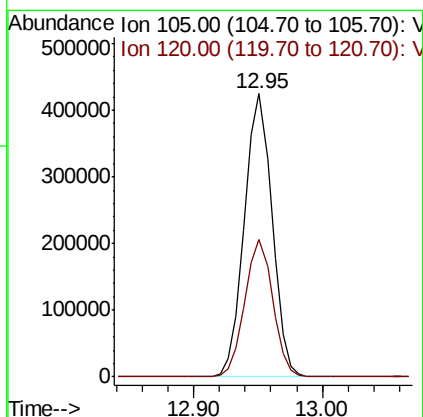
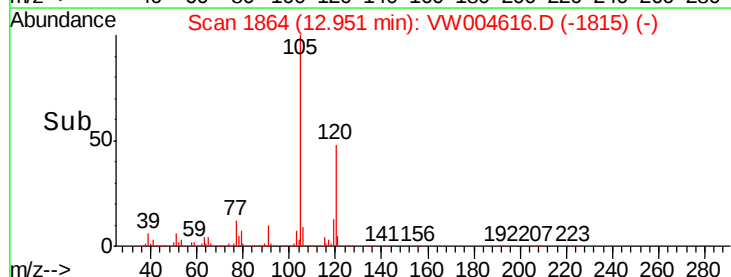
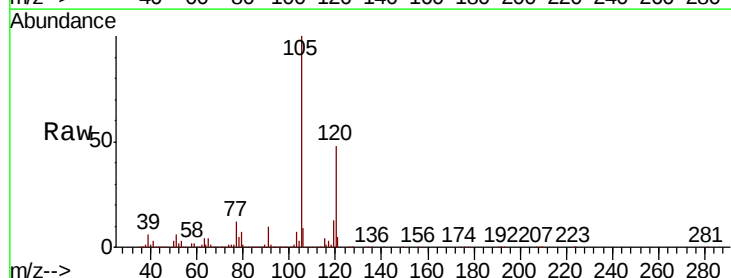
Acq: 11 Aug 2018 01:08

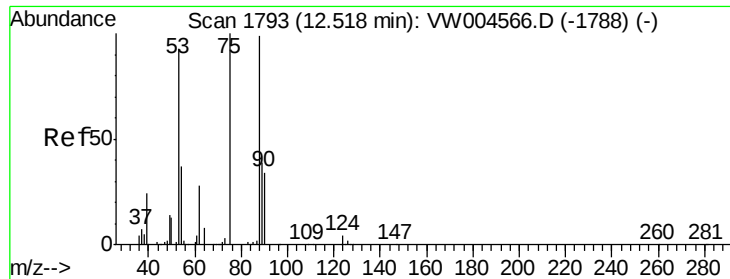
Tgt Ion:105 Resp: 629134

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8





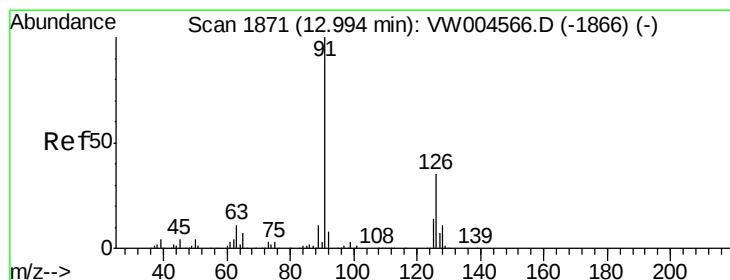
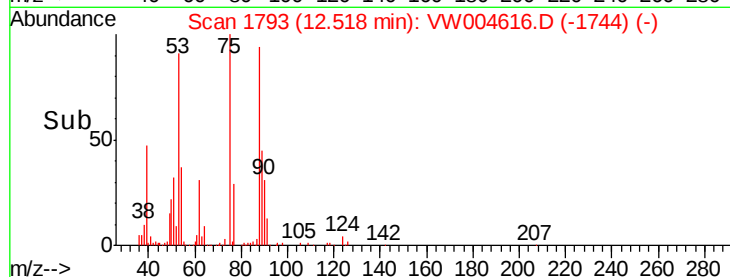
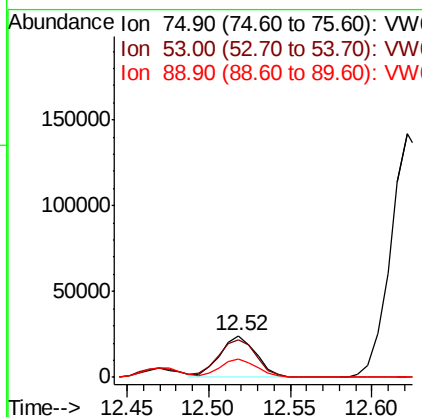
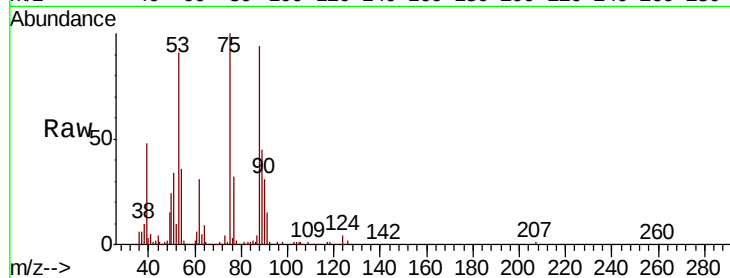
#81
trans-1,4-Dichloro-2-butene
Concen: 17.45 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	74.4	111.6
89	44.5	35.9	53.9

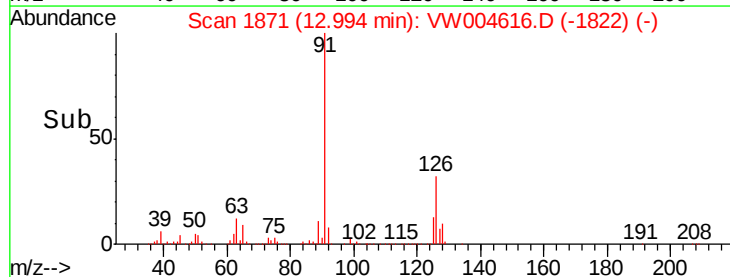
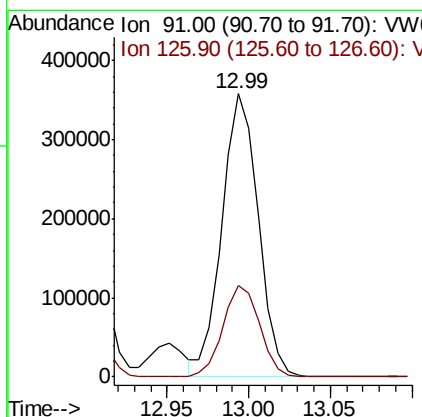
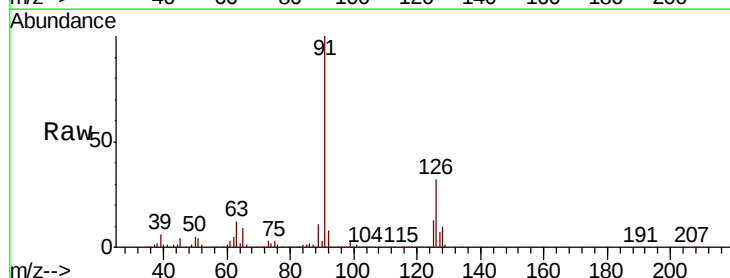
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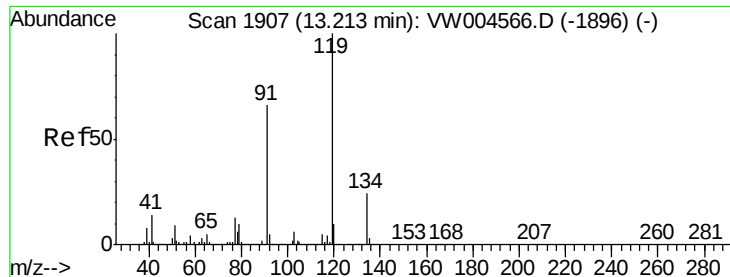
apatel
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#82
4-Chlorotoluene
Concen: 21.52 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.5	49.5





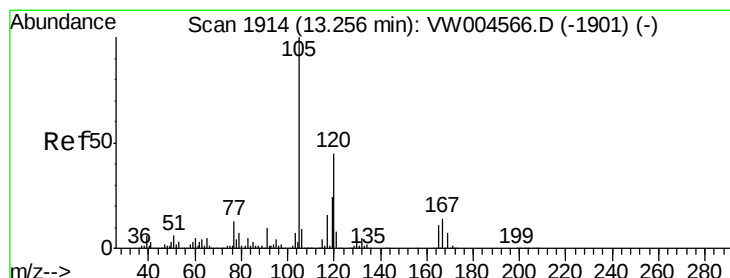
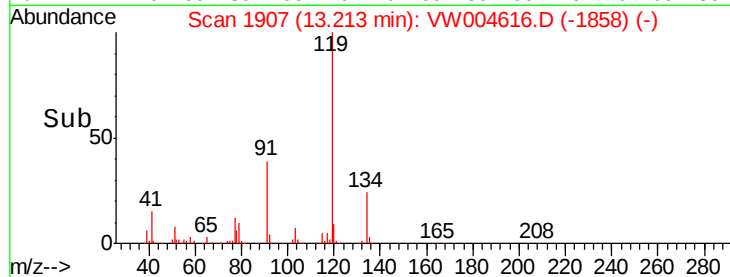
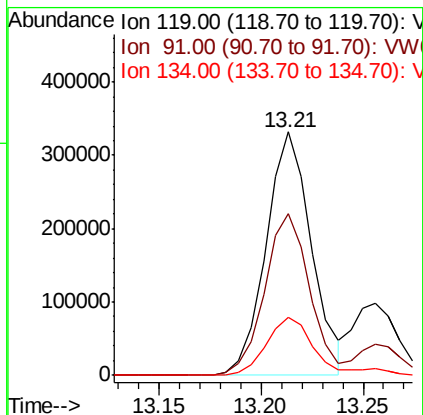
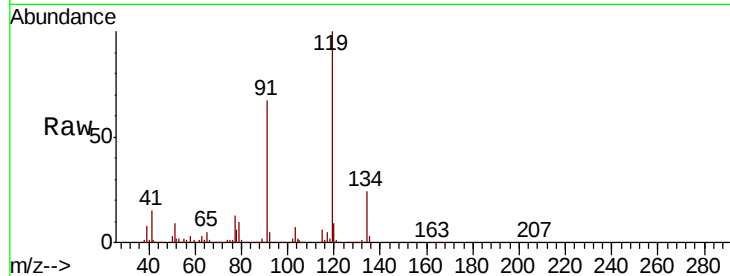
#83
 tert-Butylbenzene
 Concen: 21.17 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	514725		
91	65.4	33.3	99.8	
134	24.1	12.2	36.6	

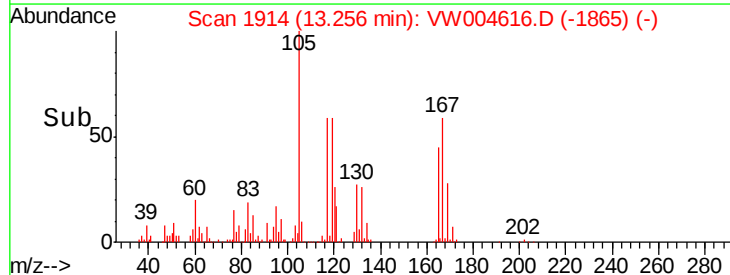
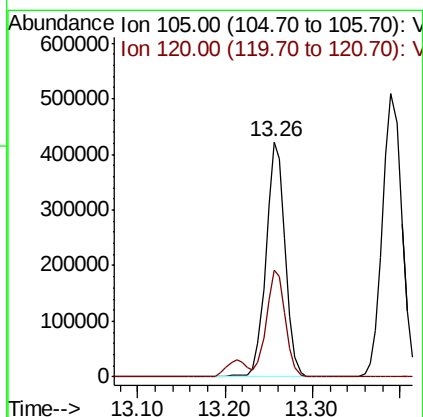
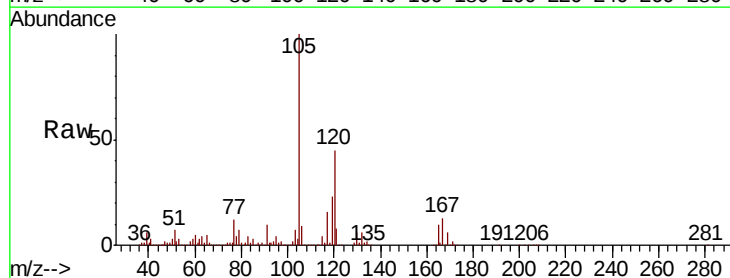
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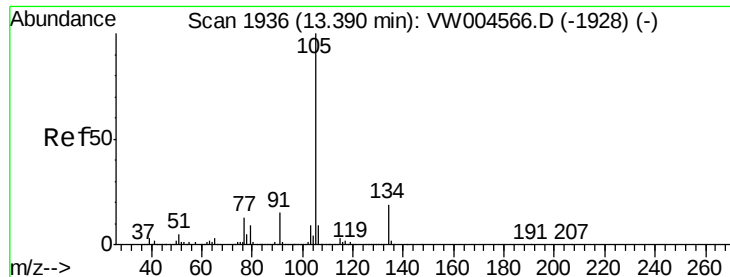
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.65 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	649533		
120	44.8	22.6	67.8	





#85

sec-Butylbenzene

Concen: 21.25 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion:105 Resp: 779427

Ion Ratio Lower Upper

105 100

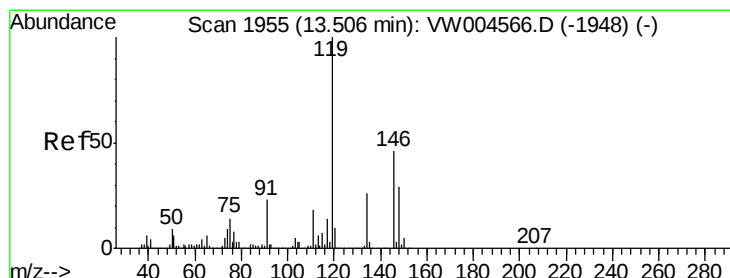
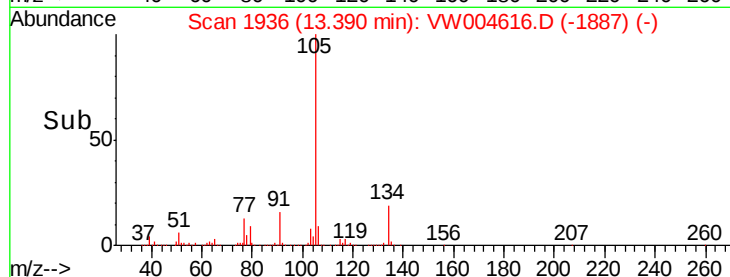
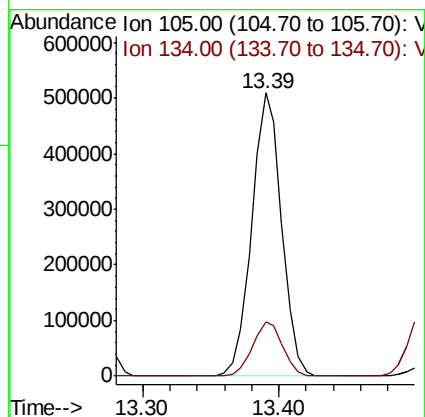
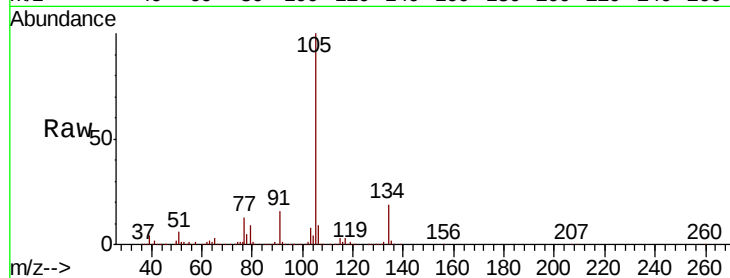
134 19.5 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 21.35 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

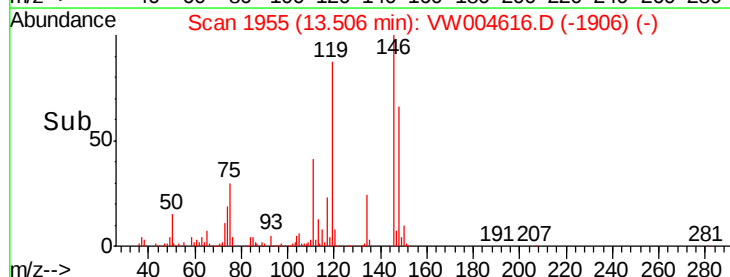
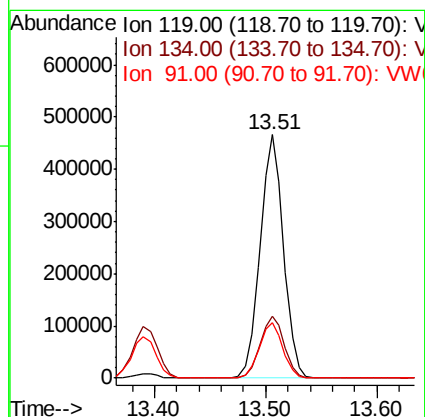
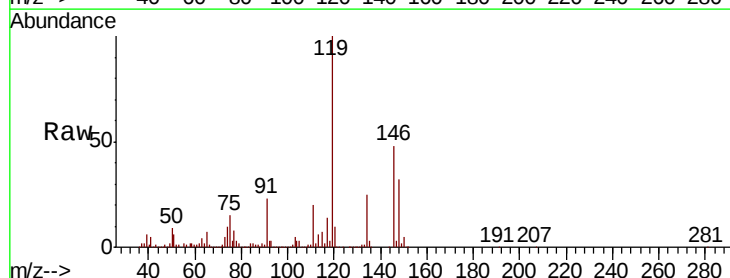
Tgt Ion:119 Resp: 678653

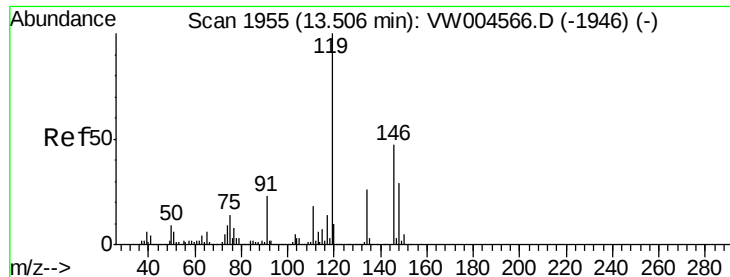
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 22.9 11.4 34.1





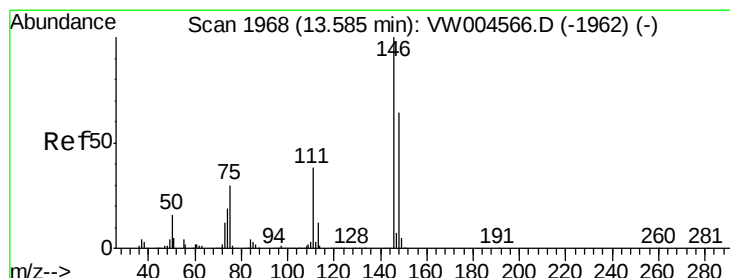
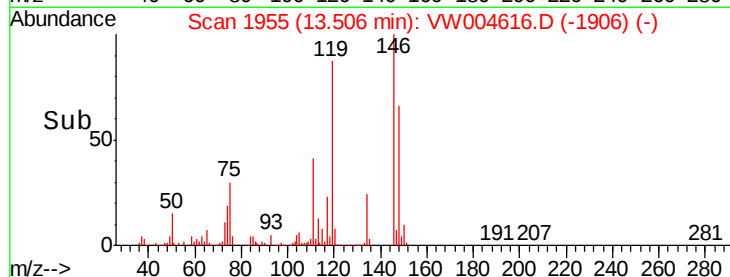
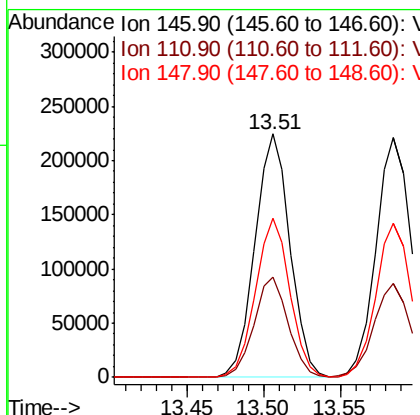
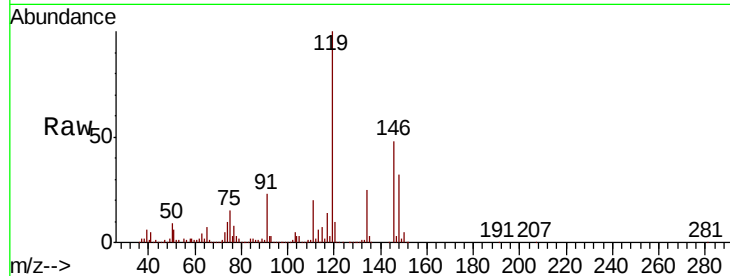
#87
 1,3-Dichlorobenzene
 Concen: 21.10 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.2	31.7	95.1

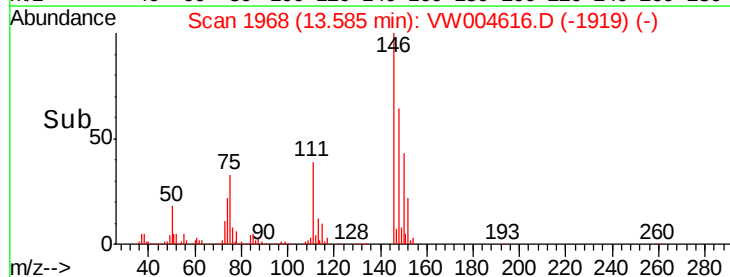
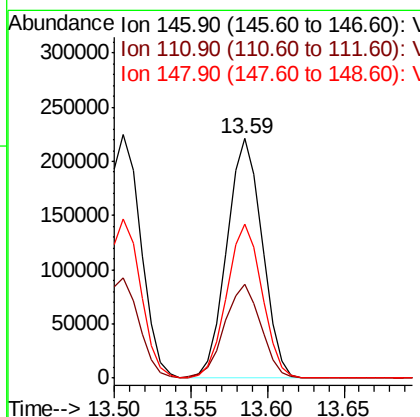
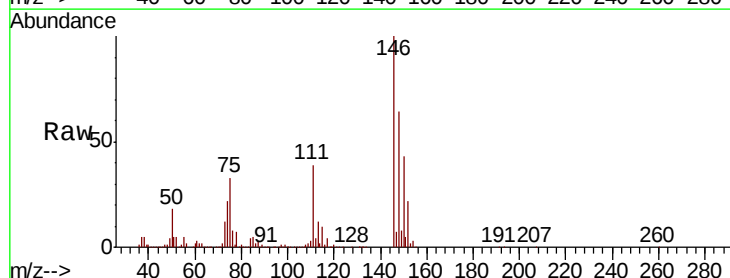
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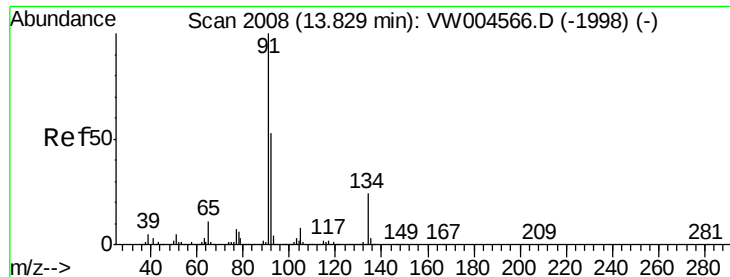
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#88
 1,4-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	64.5	31.9	95.5





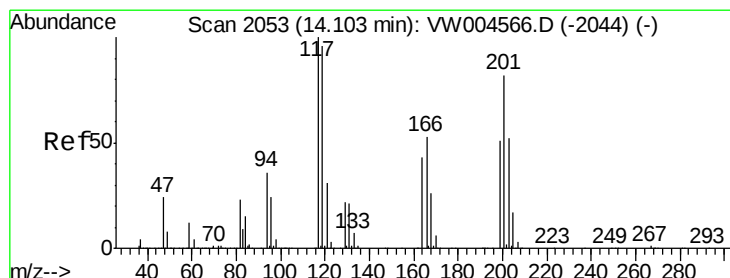
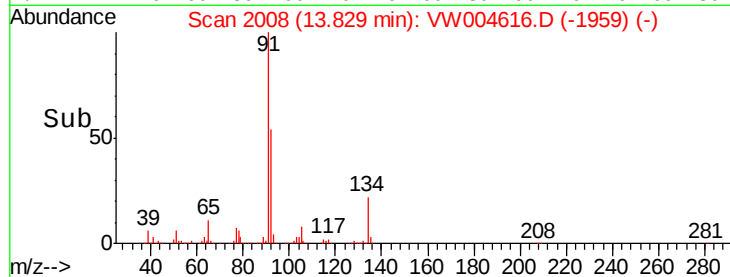
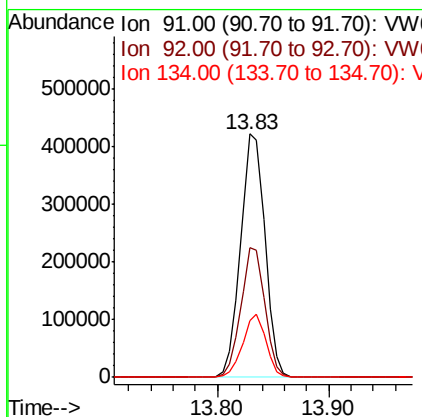
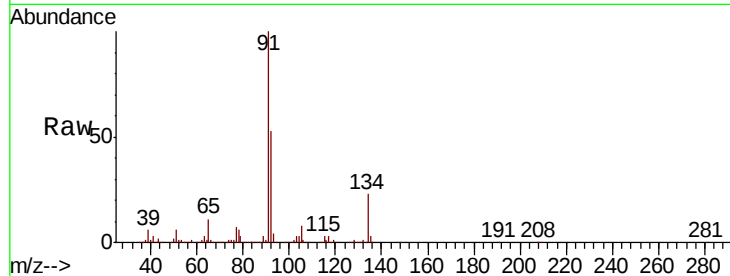
#89
n-Butylbenzene
Concen: 20.60 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampled :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	24.6	12.4	37.2

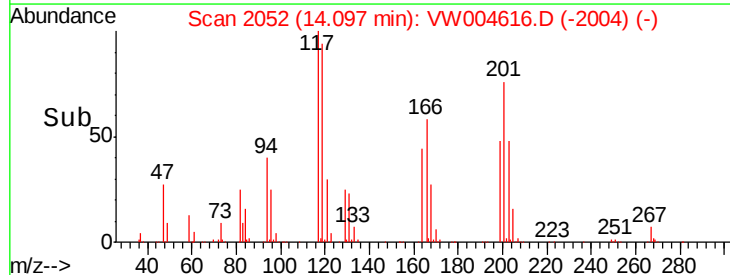
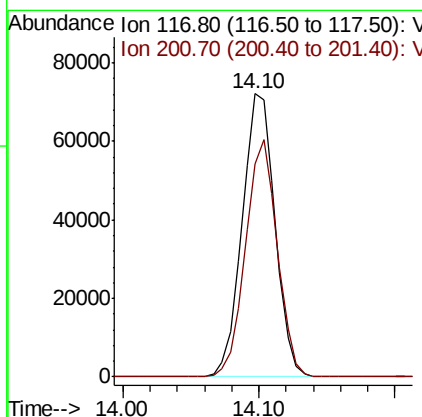
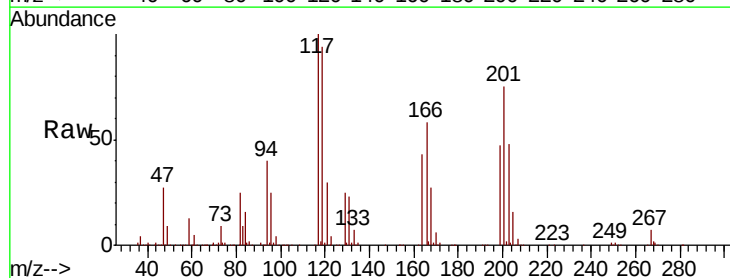
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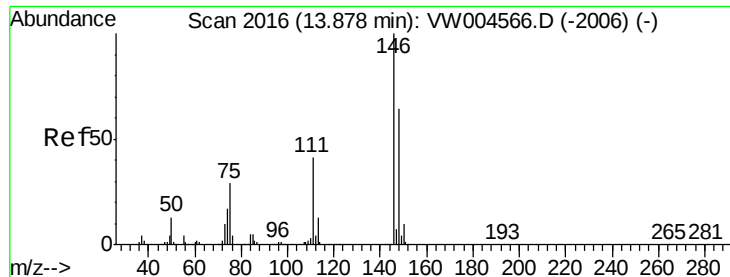
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#90
Hexachloroethane
Concen: 20.67 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.1	120.3





#91

1,2-Dichlorobenzene

Concen: 20.82 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004616.D

Acq: 11 Aug 2018 01:08

Instrument :

MSVOA_W

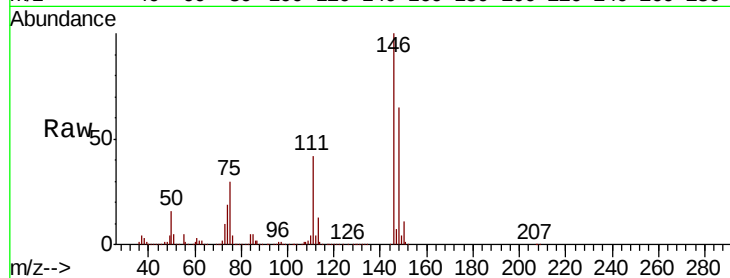
ClientSampleId :

VW0813SBS02

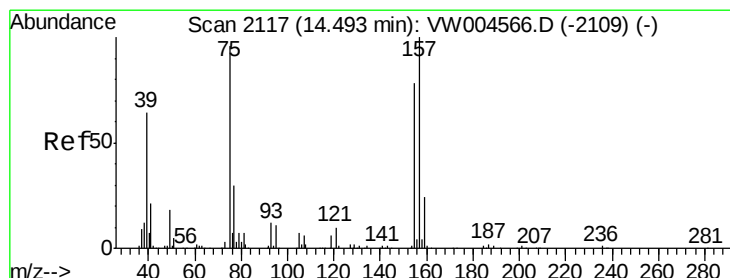
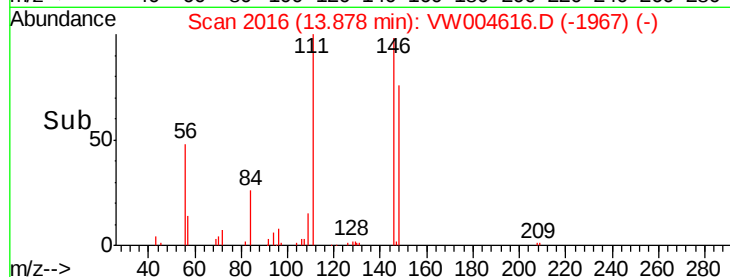
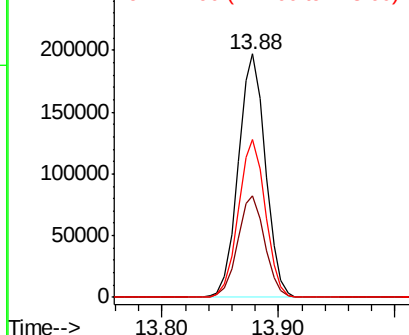
Tot Ion:	146	Resp:	320014
Ion Ratio		Lower	Upper
146	100		
111	41.6	20.8	62.2
148	64.5	31.8	95.4

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.94 ug/l

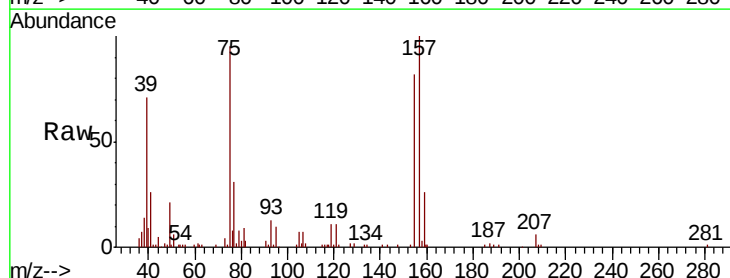
RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

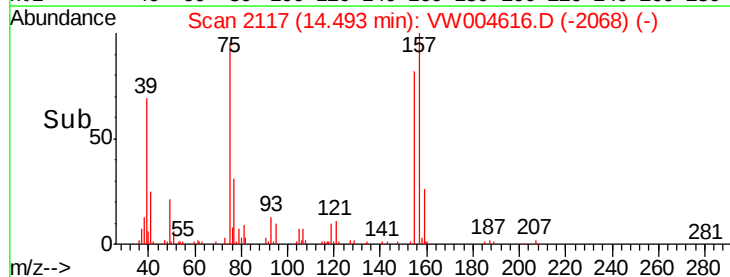
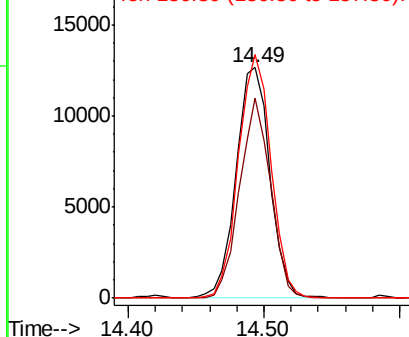
Lab File: VW004616.D

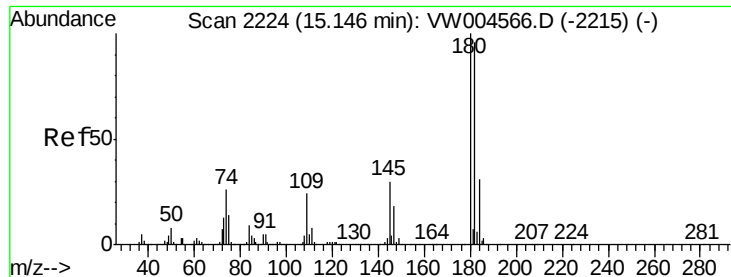
Acq: 11 Aug 2018 01:08

Tgt Ion:	75	Resp:	21946
Ion Ratio		Lower	Upper
75	100		
155	79.5	41.3	123.7
157	101.7	52.6	157.8



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





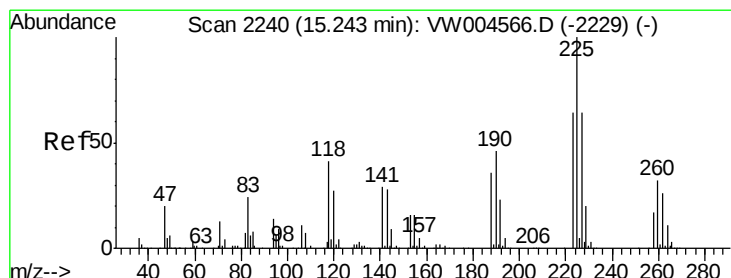
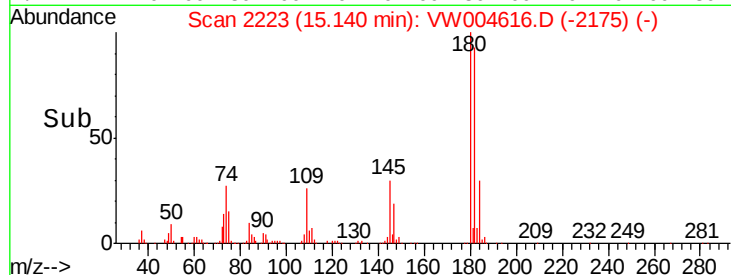
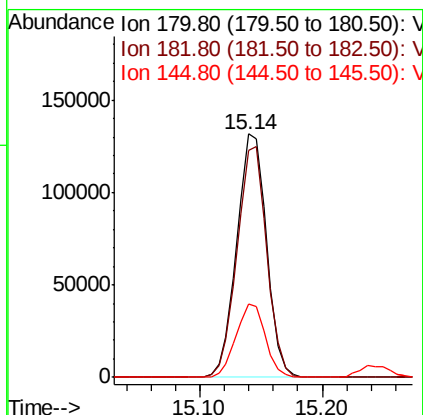
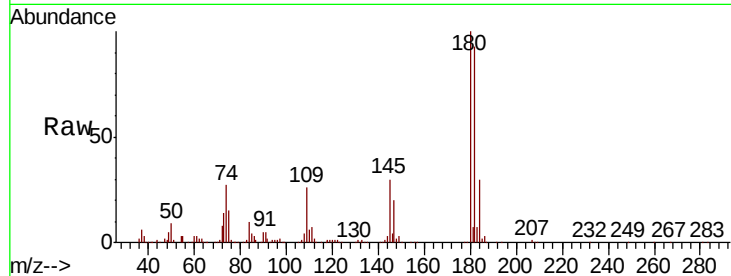
#93
 1,2,4-Trichlorobenzene
 Concen: 20.78 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	221144		
182	94.6	47.9	143.6	
145	29.8	14.9	44.9	

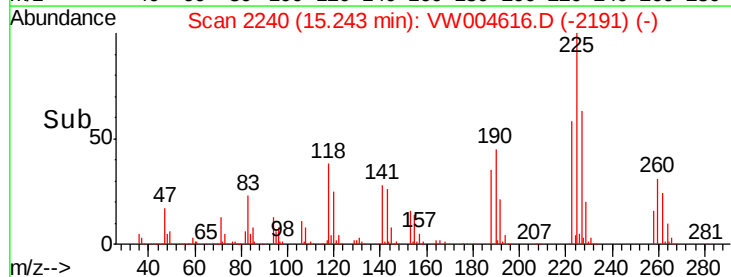
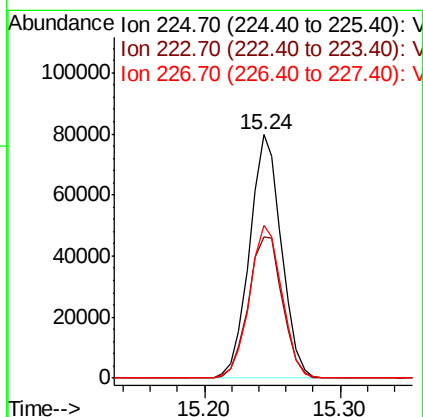
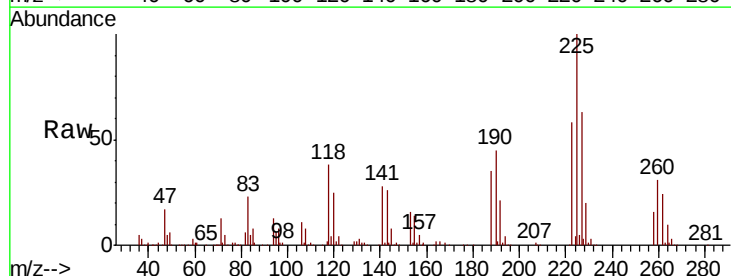
Manual Integrations
 APPROVED

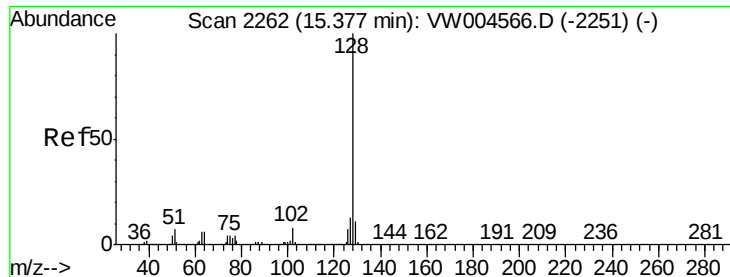
apatel
 8/13/2018 12:57:22 PM



#94
 Hexachlorobutadiene
 Concen: 21.10 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004616.D
 Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130741		
223	62.2	31.3	93.8	
227	63.8	31.8	95.4	





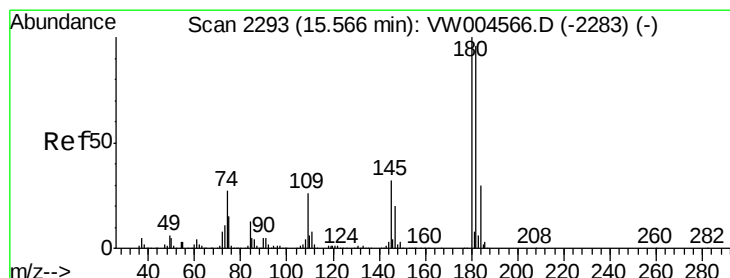
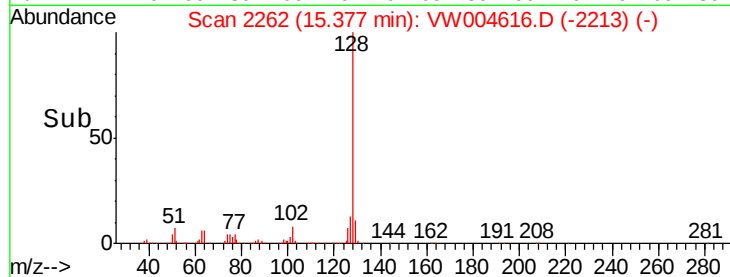
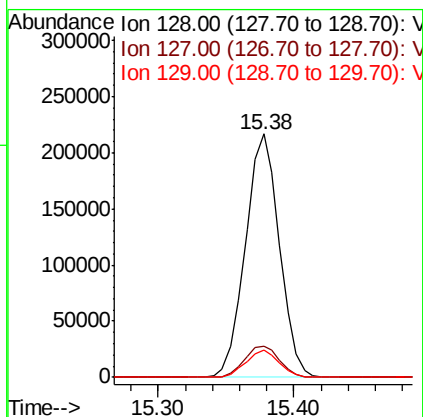
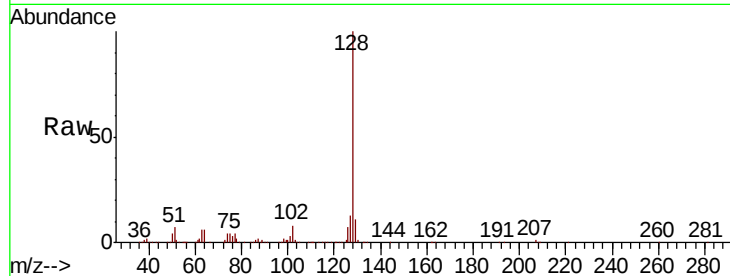
#95
Naphthalene
Concen: 19.17 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	378934		
127	13.5	10.3	15.5	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/13/2018 12:57:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.09 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004616.D
Acq: 11 Aug 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201689		
182	94.6	47.0	141.2	
145	31.2	15.9	47.6	

