

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081318\
 Data File : VW004617.D
 Acq On : 11 Aug 2018 01:34
 Operator : SY/AP
 Sample : VW0813SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Manual Integrations
 APPROVED

apatel
 8/13/2018 1:00:31 PM

Quant Time: Aug 11 03:48:35 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	602349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	962651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	928171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	490174	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	338245	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	324271	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.33	98	1274812	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.62	95	462489	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	83396	20.17	ug/l	98
3) Chloromethane	2.22	50	114855	19.94	ug/l	100
4) Vinyl Chloride	2.37	62	170493	21.19	ug/l	96
5) Bromomethane	2.78	94	103255	22.04	ug/l	98
6) Chloroethane	2.93	64	101873	21.19	ug/l	94
7) Trichlorofluoromethane	3.25	101	70558	23.75	ug/l	98
8) Diethyl Ether	3.67	74	76989	20.48	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133926	20.41	ug/l	99
10) Methyl Iodide	4.26	142	211688	21.50	ug/l	100
11) Tert butyl alcohol	5.20	59	40419	103.53	ug/l	99
12) 1,1-Dichloroethene	4.04	96	133512	20.21	ug/l	97
13) Acrolein	3.89	56	45115	94.31	ug/l	99
14) Allyl chloride	4.66	41	208762	21.04	ug/l	99
15) Acrylonitrile	5.37	53	169383	101.41	ug/l	99
16) Acetone	4.14	43	167139	100.37	ug/l	98
17) Carbon Disulfide	4.37	76	437515	20.61	ug/l	99
18) Methyl Acetate	4.68	43	81978	19.74	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	179553	19.93	ug/l	95
20) Methylene Chloride	4.91	84	196795	18.64	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	147885	20.77	ug/l	95
22) Diisopropyl ether	6.31	45	448401	21.99	ug/l	98
23) Vinyl Acetate	6.26	43	1188858	96.99	ug/l	100
24) 1,1-Dichloroethane	6.21	63	272091	20.84	ug/l	99
25) 2-Butanone	7.18	43	253750	94.73	ug/l	99
26) 2,2-Dichloropropane	7.17	77	139895	20.42	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	161816	21.13	ug/l	100
28) Bromochloromethane	7.51	49	119596	21.06	ug/l	99
29) Tetrahydrofuran	7.54	42	131086	94.66	ug/l	99
30) Chloroform	7.68	83	271118	21.14	ug/l	100
31) Cyclohexane	7.96	56	241445	19.33	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	202425	21.02	ug/l	99
36) 1,1-Dichloropropene	8.09	75	202838	19.57	ug/l	99
37) Ethyl Acetate	7.26	43	90424	18.63	ug/l	100
38) Carbon Tetrachloride	8.07	117	183244	19.65	ug/l	100

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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	237448	18.69	ug/l	97
40) Benzene	8.32	78	626958	20.60	ug/l	100
41) Methacrylonitrile	7.49	41	51089	18.84	ug/l	99
42) 1,2-Dichloroethane	8.40	62	169420	20.12	ug/l	100
43) Isopropyl Acetate	8.43	43	157917	18.66	ug/l	99
44) Trichloroethene	9.09	130	149462	19.98	ug/l	96
45) 1,2-Dichloropropane	9.37	63	159298	20.90	ug/l	97
46) Dibromomethane	9.46	93	78073	20.12	ug/l	99
47) Bromodichloromethane	9.65	83	182193	19.89	ug/l	99
48) Methyl methacrylate	9.44	41	75084	18.99	ug/l	98
49) 1,4-Dioxane	9.46	88	24622	415.90	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	558582	94.84	ug/l	100
52) Toluene	10.39	92	378330	21.08	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	176866	19.23	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	212647	19.84	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	112099	20.16	ug/l	97
56) Ethyl methacrylate	10.65	69	125845	18.90	ug/l	98
57) 1,3-Dichloropropane	10.93	76	193704	20.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	327111	98.14	ug/l	99
59) 2-Hexanone	10.98	43	372841	93.36	ug/l	97
60) Dibromochloromethane	11.13	129	119439	19.74	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104298	19.96	ug/l	100
64) Tetrachloroethene	10.87	164	132422	20.45	ug/l	97
65) Chlorobenzene	11.66	112	418398	20.45	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	139827	20.08	ug/l	99
67) Ethyl Benzene	11.74	91	697995	20.13	ug/l	98
68) m/p-Xylenes	11.85	106	550302	41.06	ug/l	99
69) o-Xylene	12.17	106	253542	20.40	ug/l	99
70) Styrene	12.18	104	436003	20.76	ug/l	100
71) Bromoform	12.35	173	71984	18.80	ug/l #	99
73) Isopropylbenzene	12.47	105	686673	20.25	ug/l	99
74) N-amyl acetate	12.28	43	148315	18.04	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	135660	19.17	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	88374m	17.42	ug/l	
77) Bromobenzene	12.75	156	169173	20.62	ug/l	98
78) n-propylbenzene	12.81	91	866110	20.70	ug/l	100
79) 2-Chlorotoluene	12.90	91	503490	20.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	606810	20.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36915	17.42	ug/l	98
82) 4-Chlorotoluene	12.99	91	538467	20.96	ug/l	99
83) tert-Butylbenzene	13.21	119	493742	20.35	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	628461	20.99	ug/l	99
85) sec-Butylbenzene	13.39	105	742781	20.30	ug/l	100
86) p-Isopropyltoluene	13.51	119	651863	20.55	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	346741	20.51	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	345251	20.52	ug/l	99
89) n-Butylbenzene	13.83	91	621612	19.95	ug/l	99
90) Hexachloroethane	14.10	117	116328	19.83	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	314819	20.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21526	18.61	ug/l	95

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ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	15.14	180	216010	20.35	ug/l	100
94) Hexachlorobutadiene	15.24	225	126395	20.45	ug/l	100
95) Naphthalene	15.38	128	378180	19.17	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	195972	20.54	ug/l	99

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

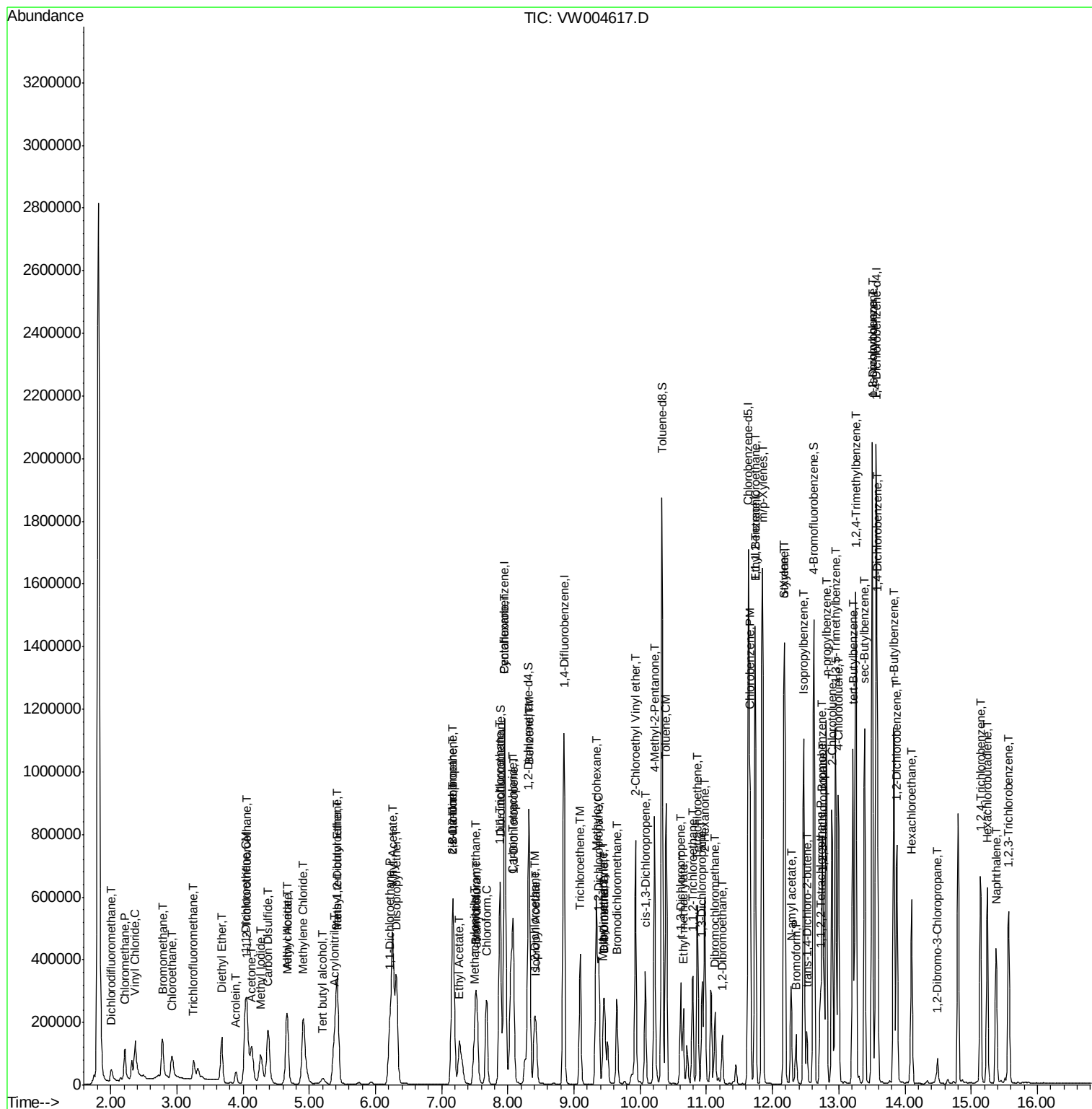
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Data File : VW004617.D
Acq On : 11 Aug 2018 01:34
Operator : SY/AP
Sample : VW0813SBS02
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ALS Vial : 36 Sample Multiplier: 1

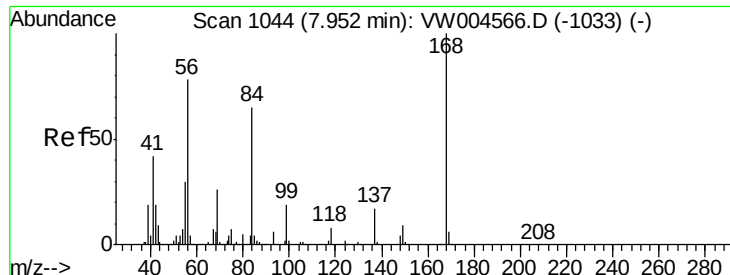
Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Manual Integrations
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8/13/2018 1:00:31 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

Tot Ion:168 Resp: 602349

Ion Ratio Lower Upper

168 100

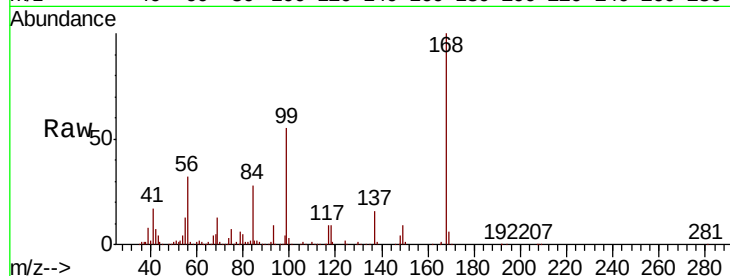
99 54.6 44.1 66.1

Manual Integrations

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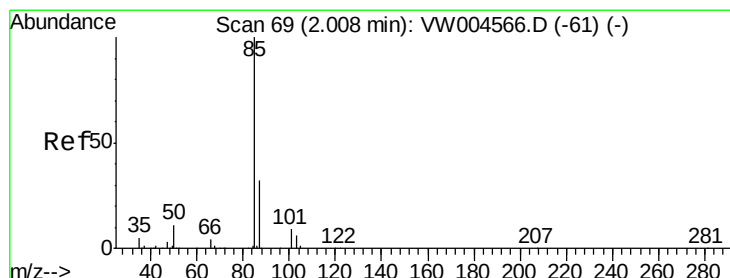
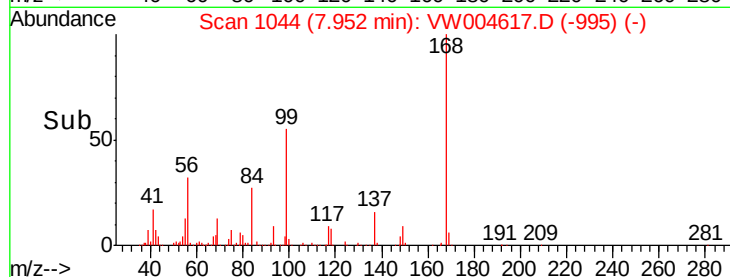
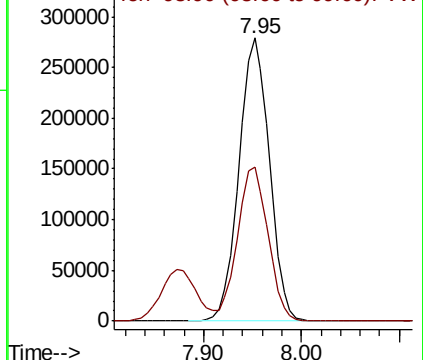
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.17 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004617.D

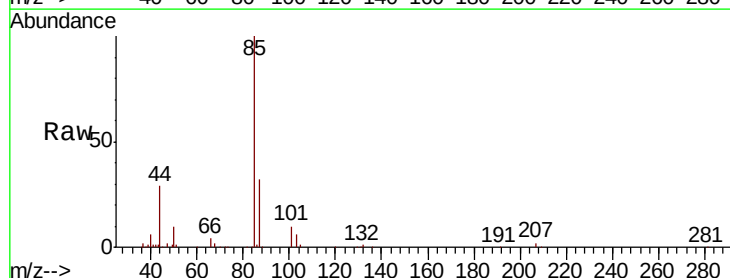
Acq: 11 Aug 2018 01:34

Tgt Ion: 85 Resp: 83396

Ion Ratio Lower Upper

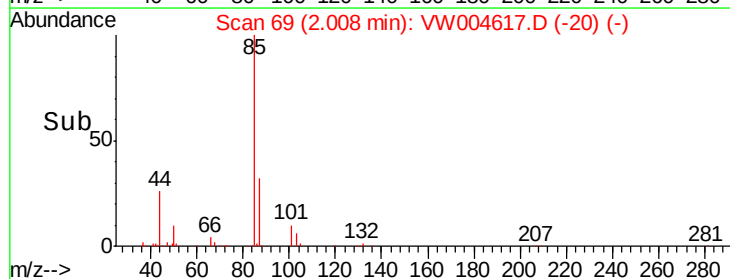
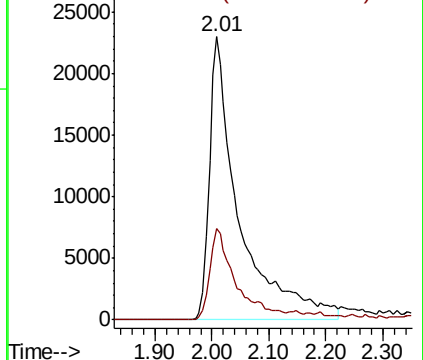
85 100

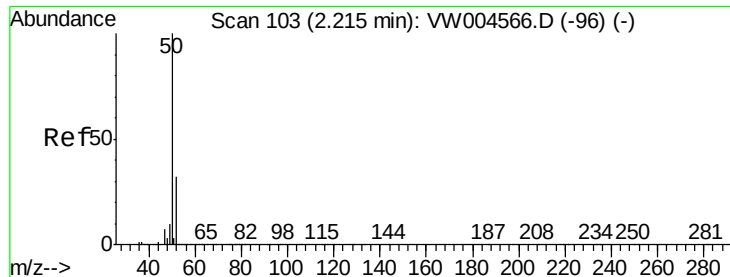
87 32.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.94 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

Tot Ion: 50 Resp: 114855

Ion Ratio Lower Upper

50 100

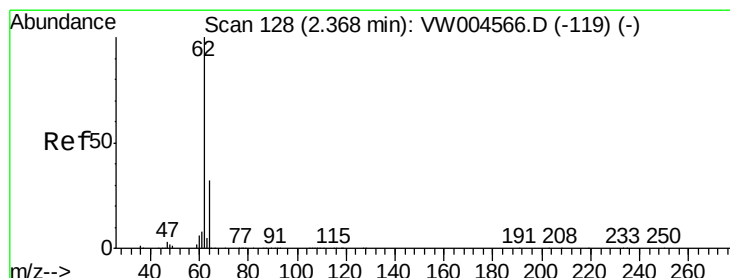
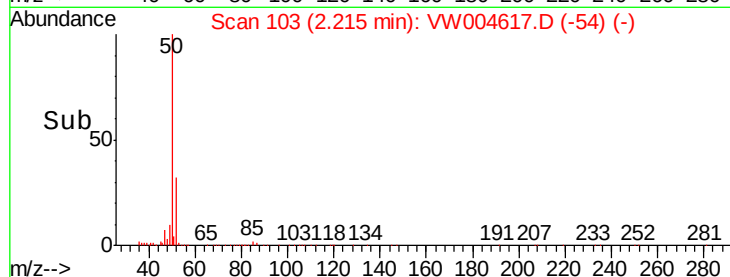
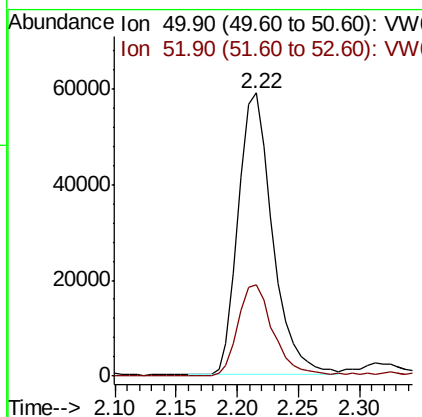
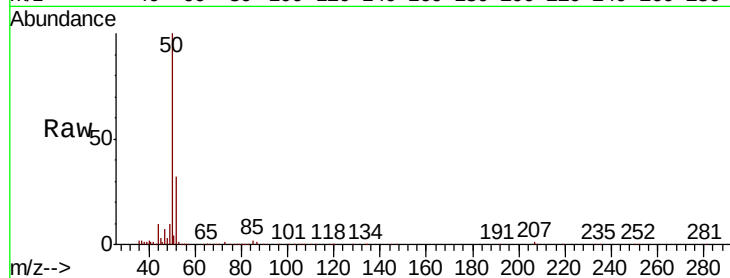
52 32.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.19 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004617.D

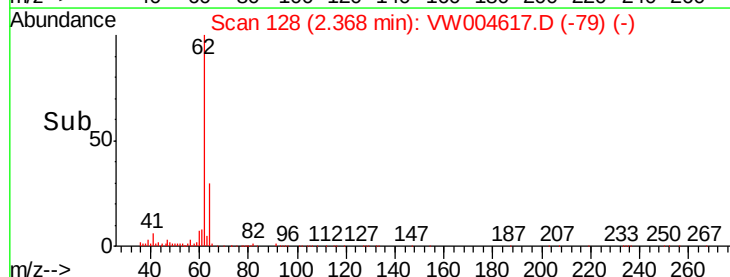
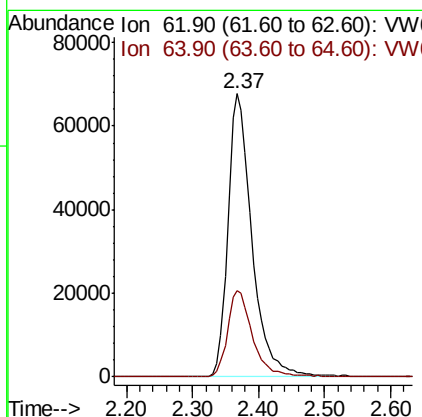
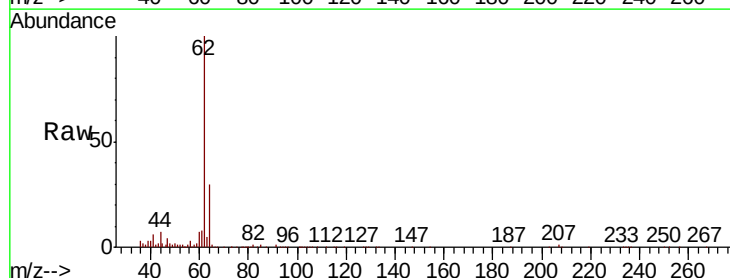
Acq: 11 Aug 2018 01:34

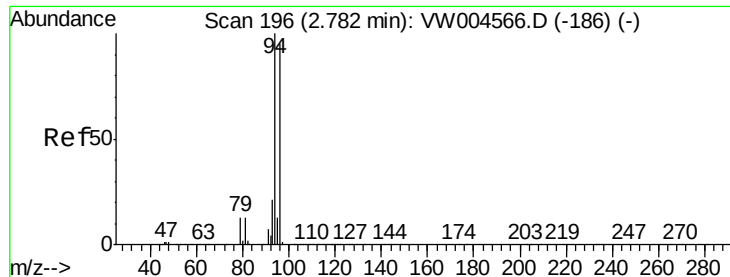
Tgt Ion: 62 Resp: 170493

Ion Ratio Lower Upper

62 100

64 30.3 26.2 39.2





#5

Bromomethane

Concen: 22.04 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 94 Resp: 103255

Ion Ratio Lower Upper

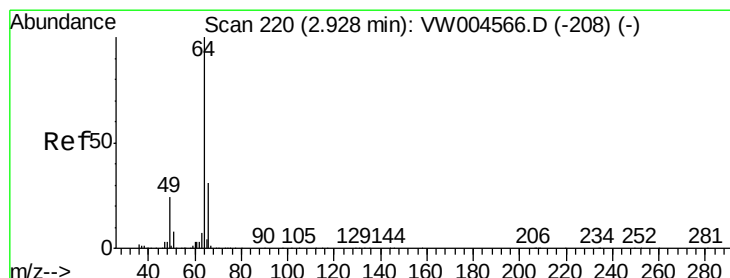
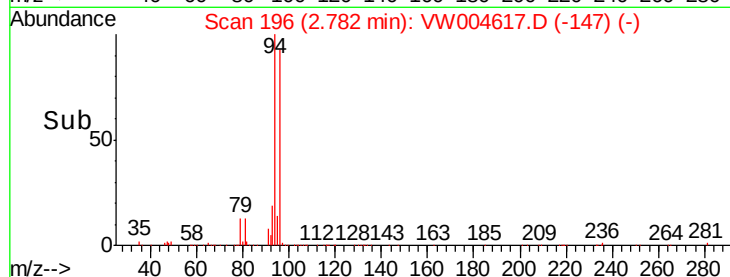
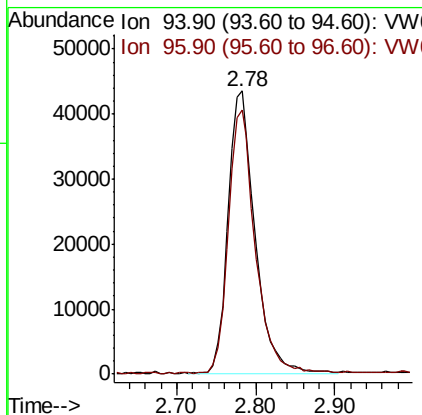
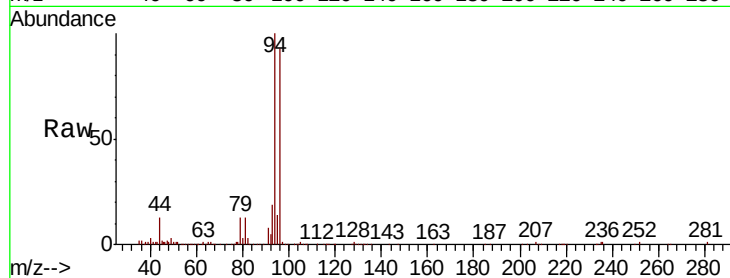
94 100

96 92.8 72.9 109.3

Manual Integrations
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#6

Chloroethane

Concen: 21.19 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004617.D

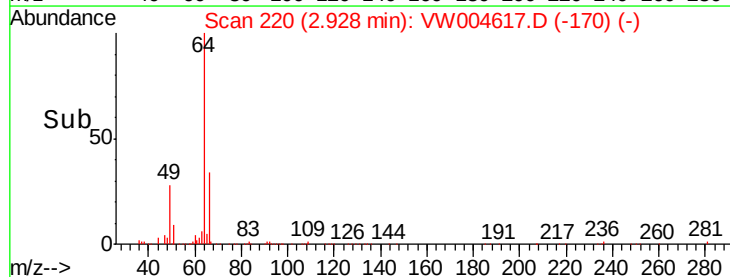
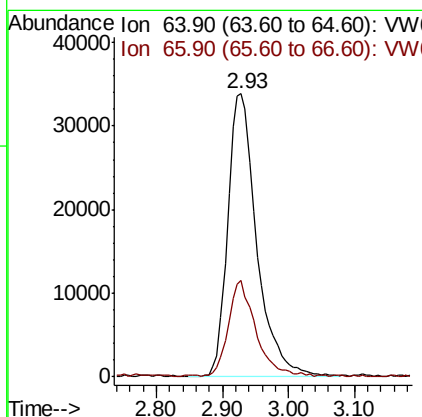
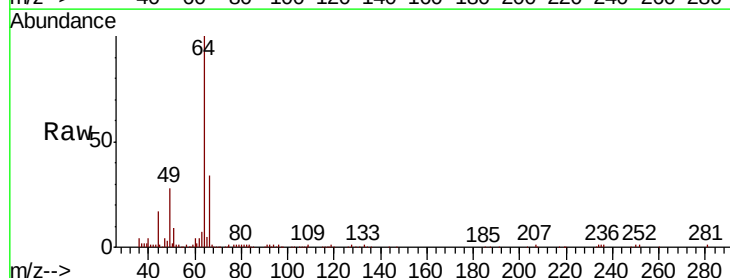
Acq: 11 Aug 2018 01:34

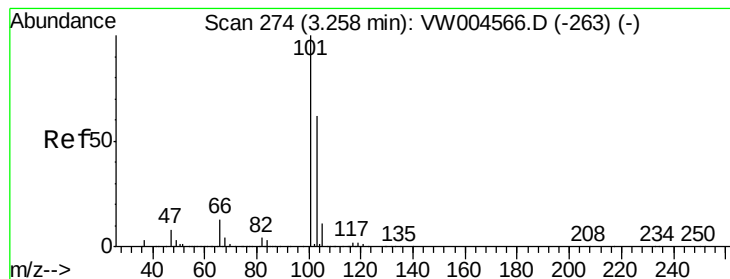
Tgt Ion: 64 Resp: 101873

Ion Ratio Lower Upper

64 100

66 33.8 24.6 36.8





#7

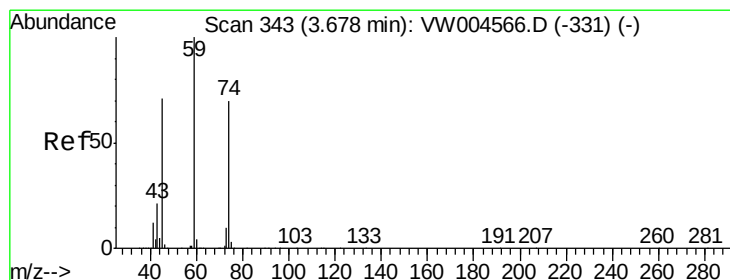
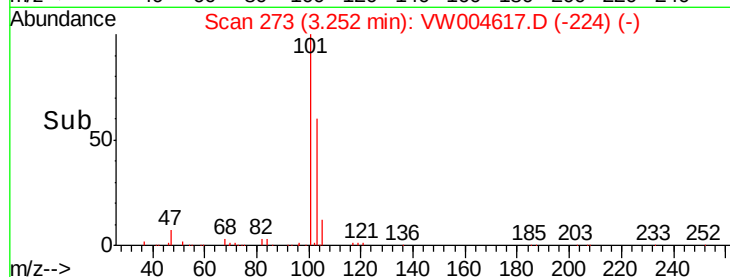
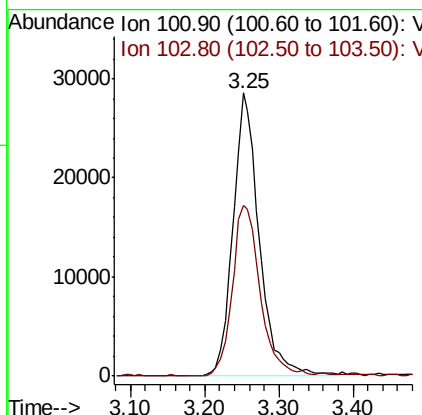
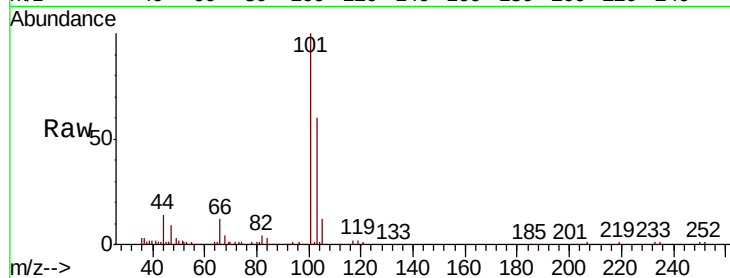
Trichlorofluoromethane
 Concen: 23.75 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
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 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	49.8	74.8

Manual Integrations
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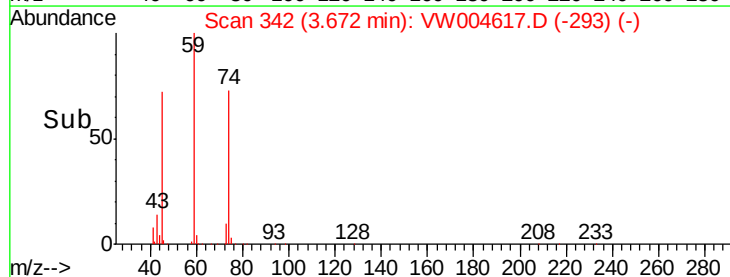
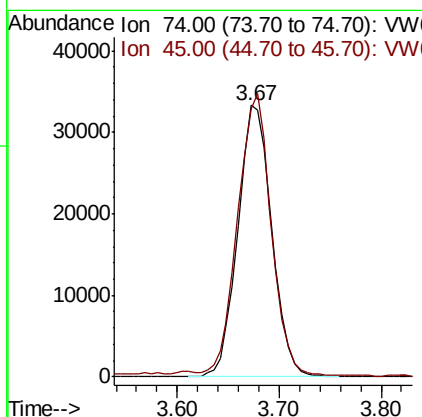
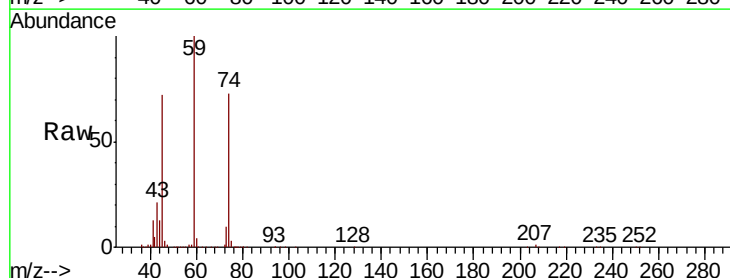
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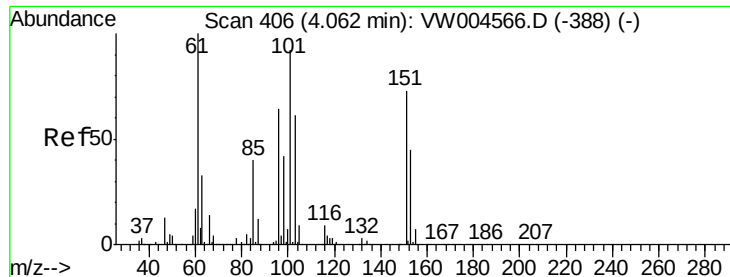


#8

Diethyl Ether
 Concen: 20.48 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	51.2	153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.41 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

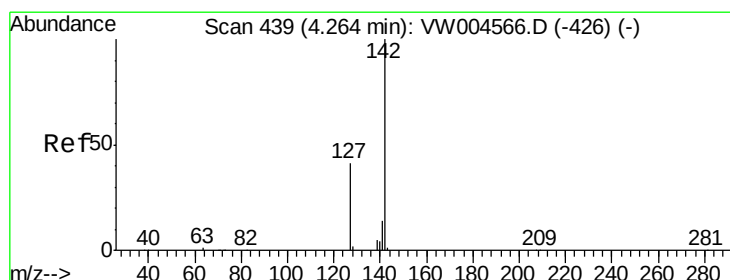
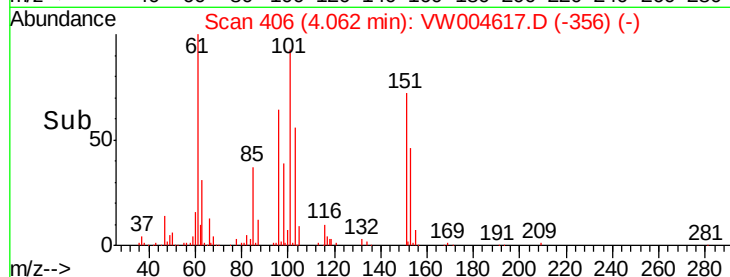
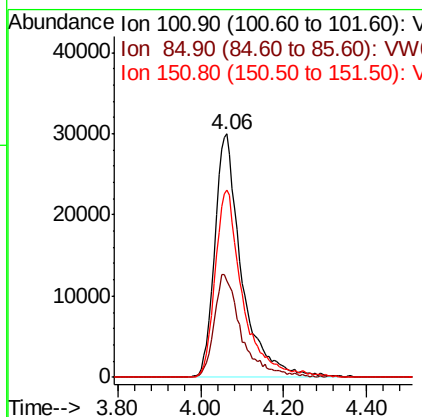
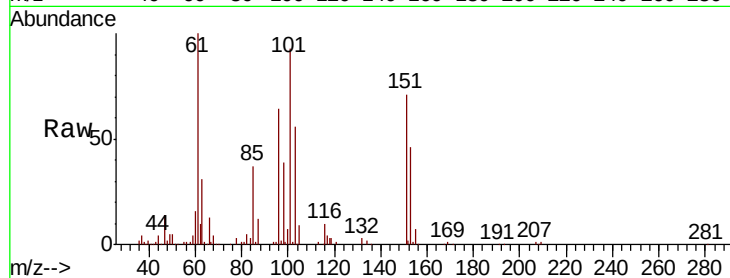
ClientSampleId :

VW0813SBSD02

Tot Ion:	101	Resp:	133926
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.6	51.8
151	77.5	61.3	91.9

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#10

Methyl Iodide

Concen: 21.50 ug/l

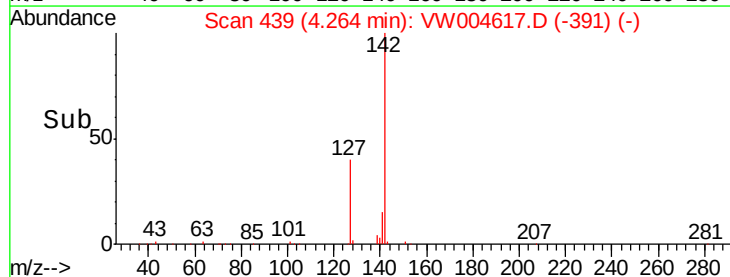
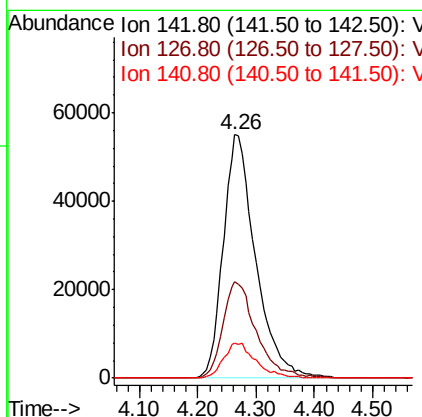
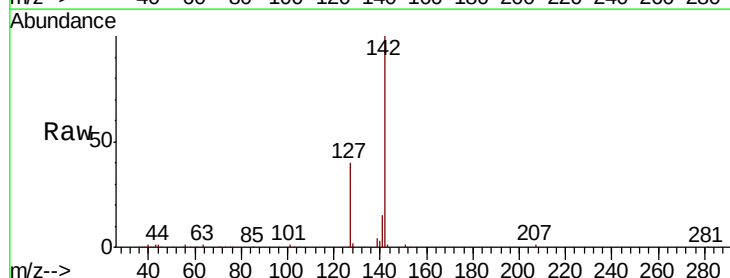
RT: 4.26 min Scan# 439

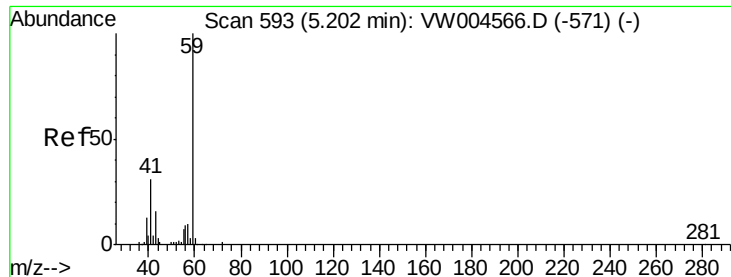
Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion:	142	Resp:	211688
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.7	49.1
141	14.6	11.5	17.3





#11

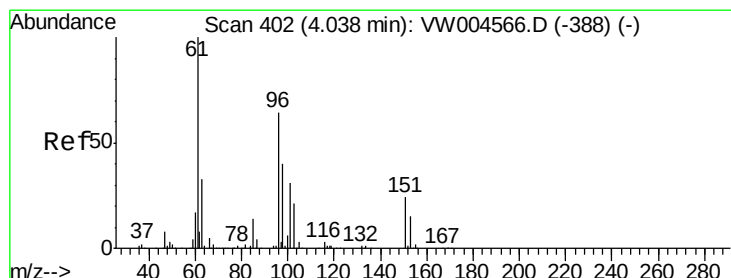
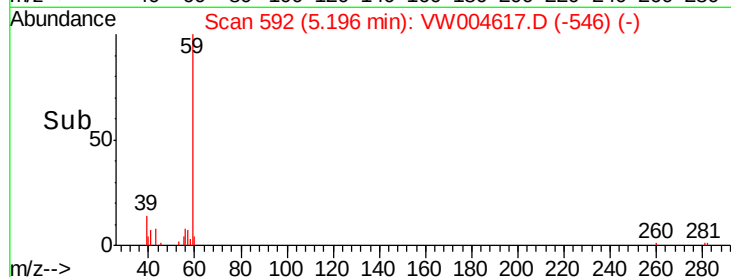
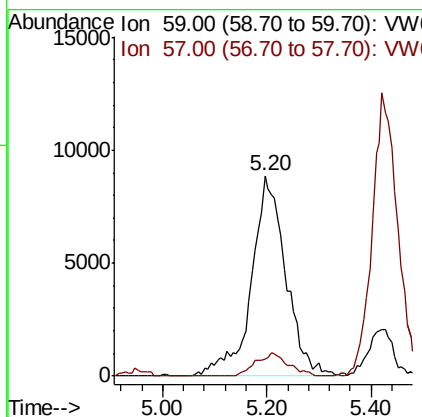
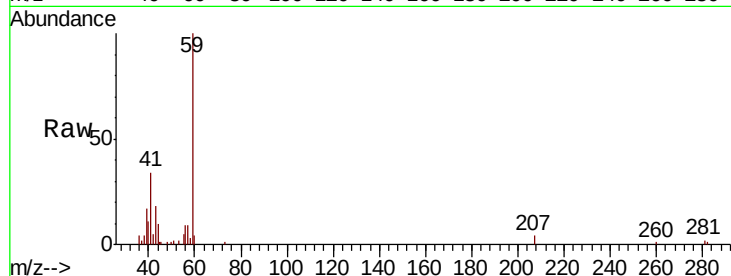
Tert butyl alcohol
Concen: 103.53 ug/l
RT: 5.20 min Scan# 592
Delta R.T. -0.02 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.1	13.7

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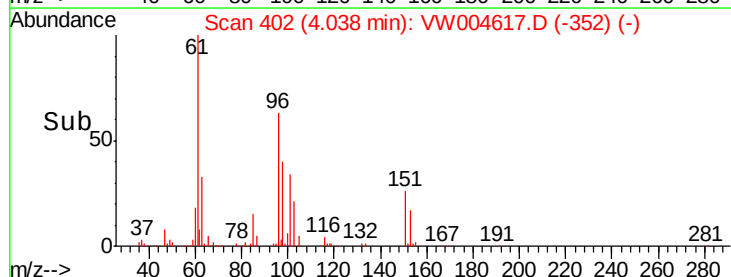
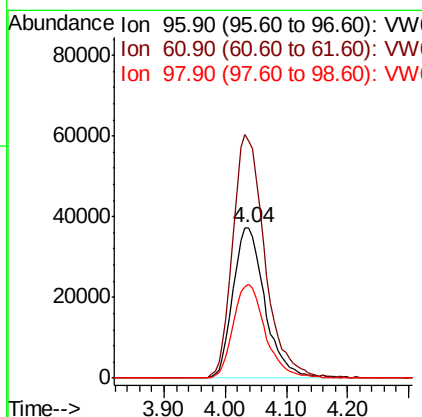
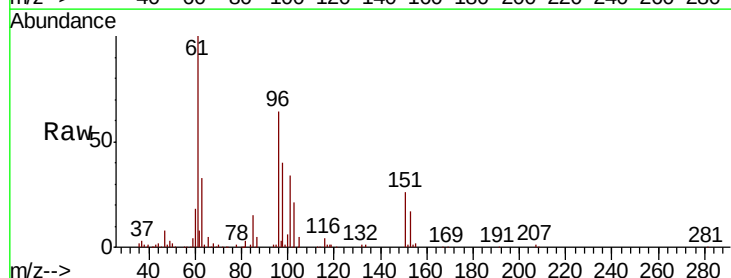
apatel
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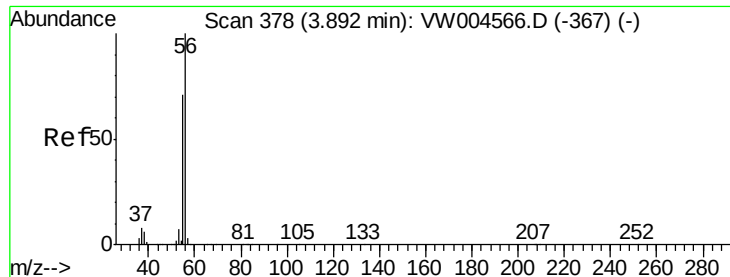


#12

1,1-Dichloroethene
Concen: 20.21 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	130.6	195.8
98	62.8	49.6	74.4





#13

Acrolein

Concen: 94.31 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

Tot Ion: 56 Resp: 45115

Ion Ratio Lower Upper

56 100

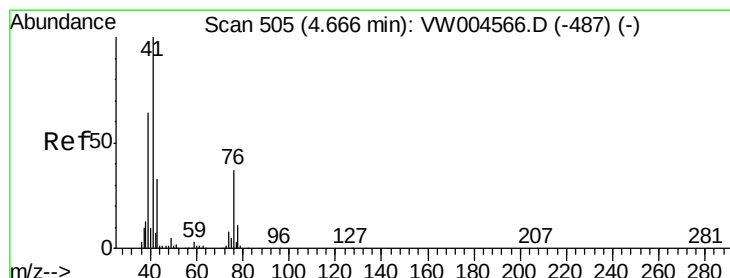
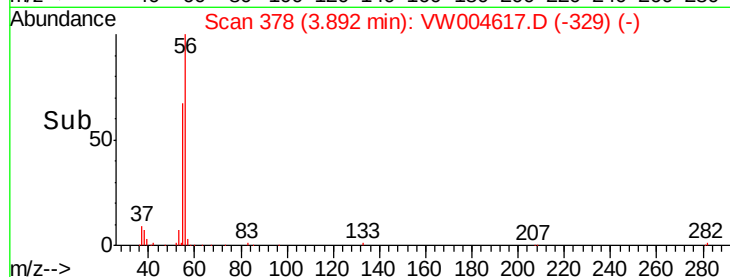
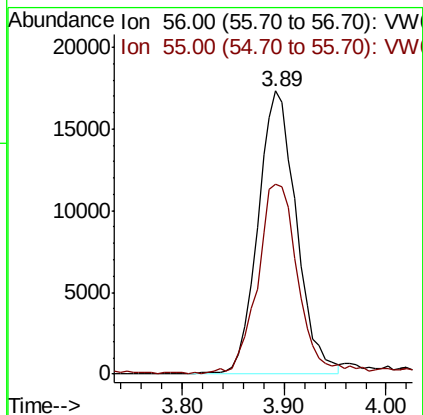
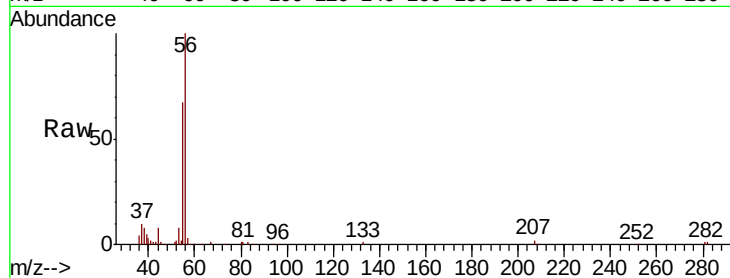
55 71.4 56.7 85.1

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#14

Allyl chloride

Concen: 21.04 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

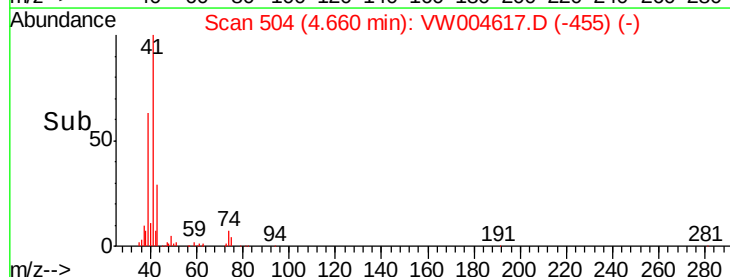
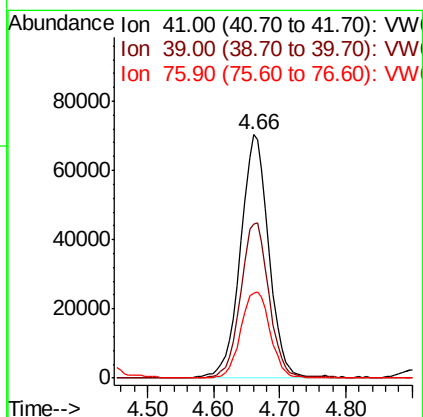
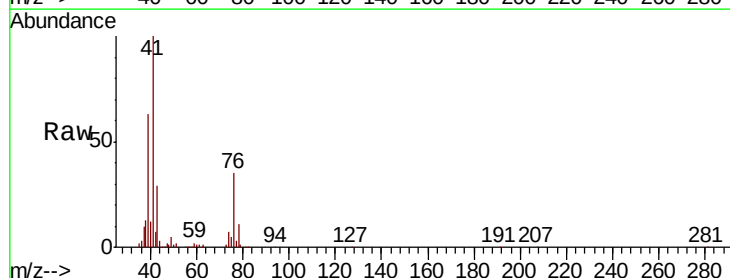
Tgt Ion: 41 Resp: 208762

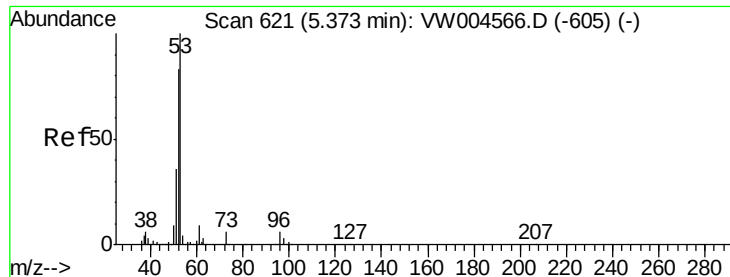
Ion Ratio Lower Upper

41 100

39 64.4 51.9 77.9

76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 101.41 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

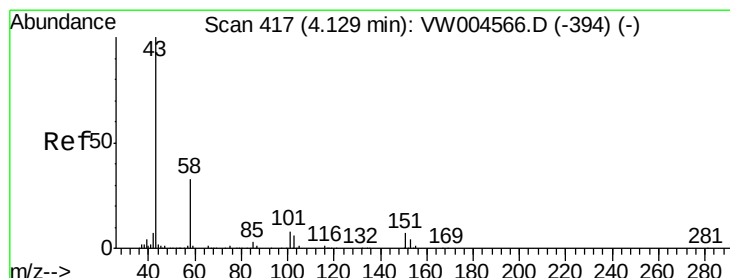
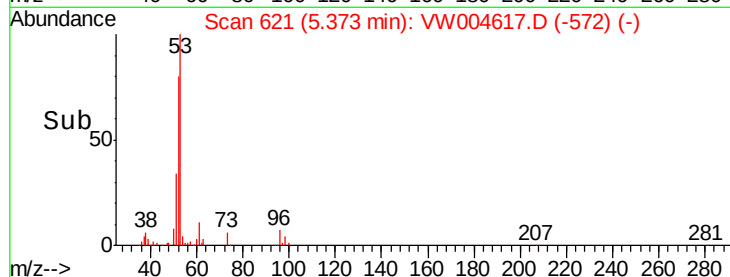
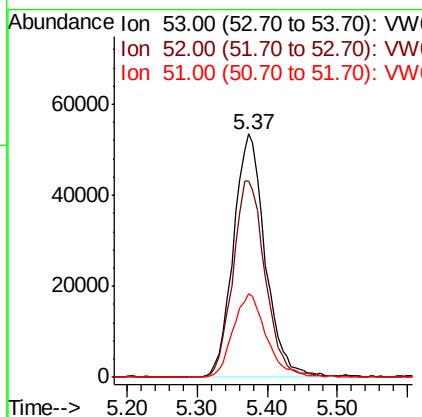
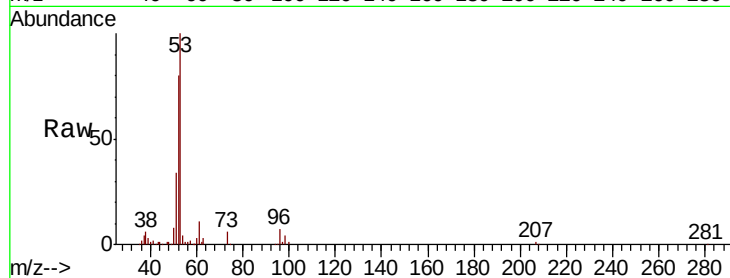
ClientSampled :

VW0813SBS02

Tot Ion:	53	Resp:	169383
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.5	99.7
51	36.0	28.4	42.6

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#16

Acetone

Concen: 100.37 ug/l

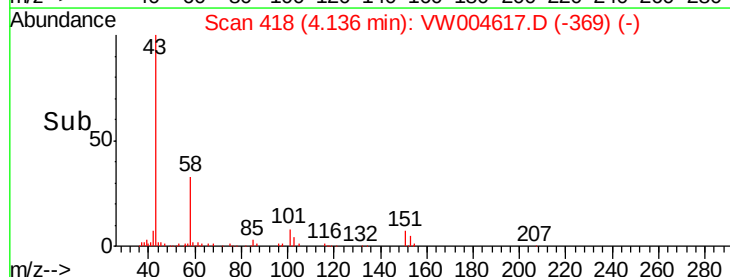
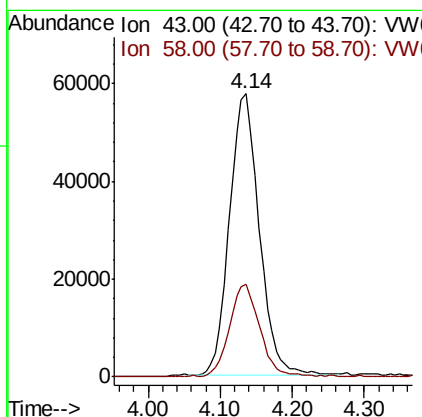
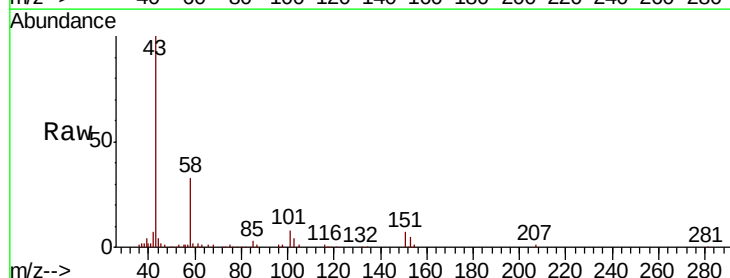
RT: 4.14 min Scan# 418

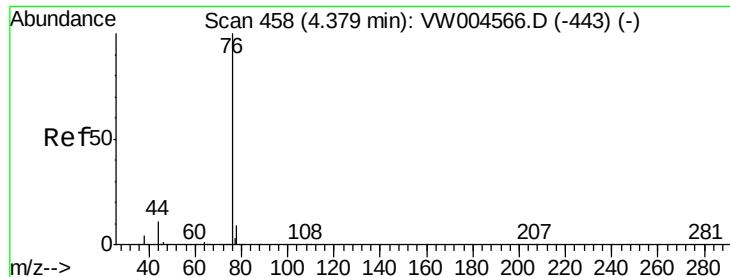
Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion:	43	Resp:	167139
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.8	40.2





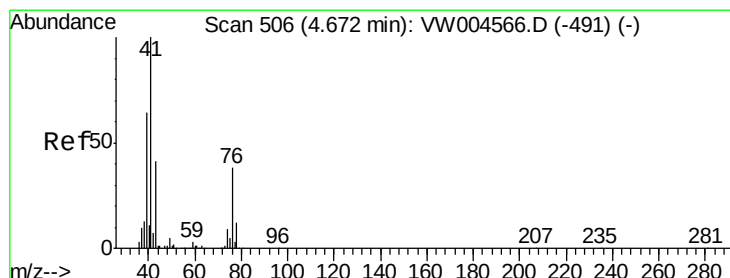
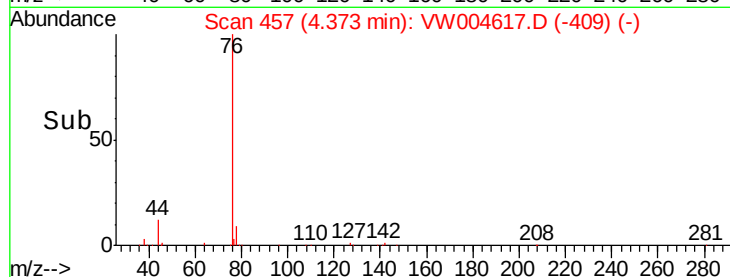
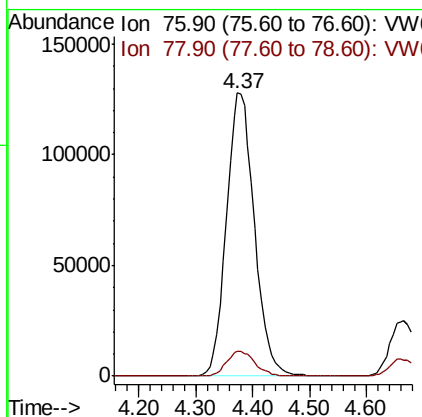
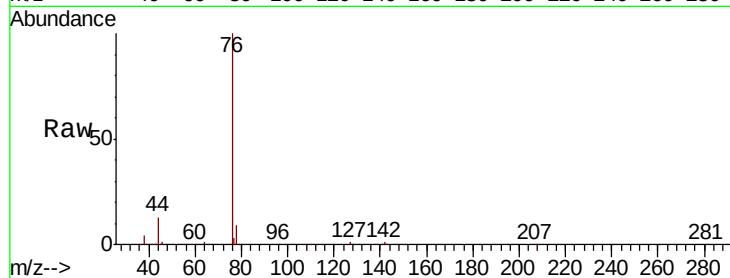
#17
Carbon Disulfide
Concen: 20.61 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

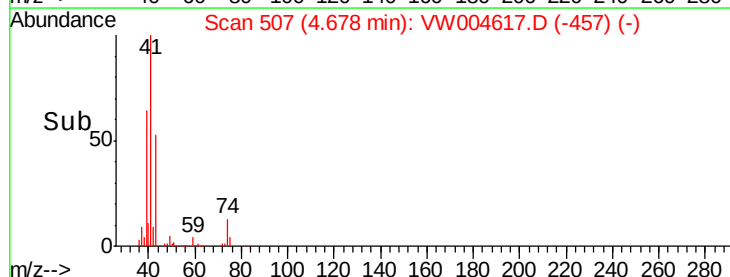
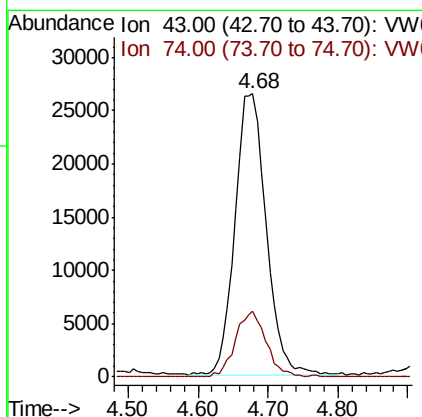
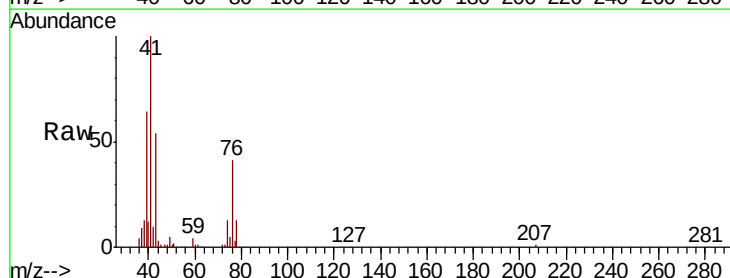
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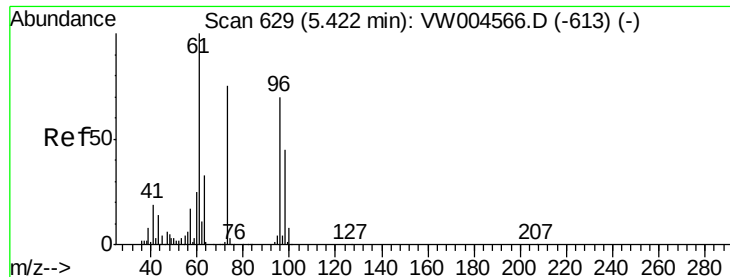
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#18
Methyl Acetate
Concen: 19.74 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.1	28.7





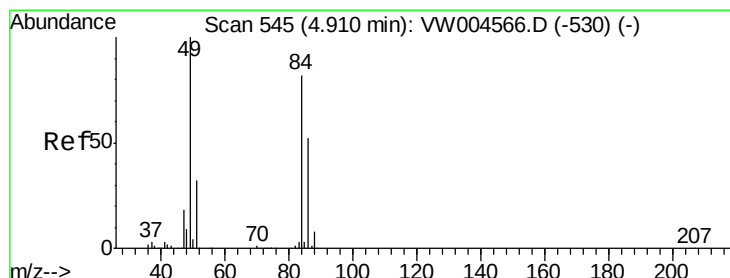
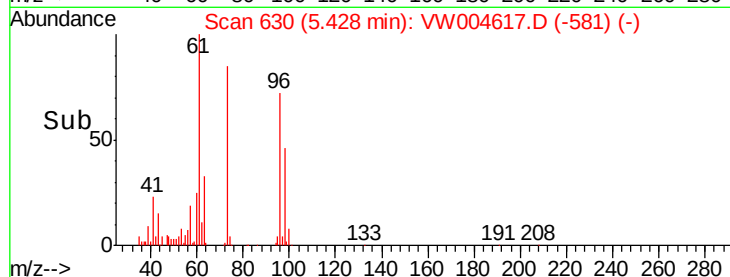
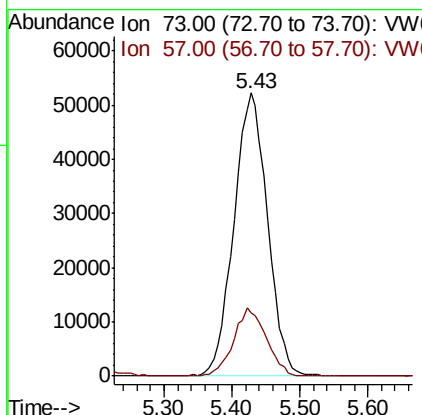
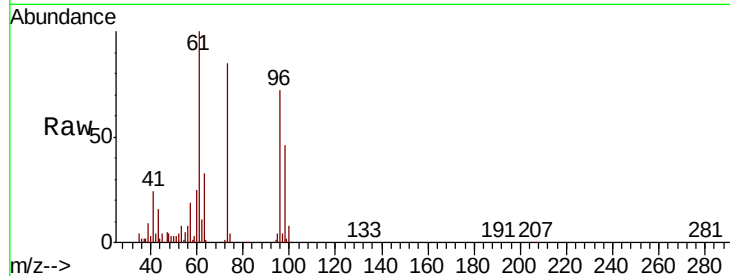
#19
Methyl tert-butyl Ether
Concen: 19.93 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	19.6	29.4

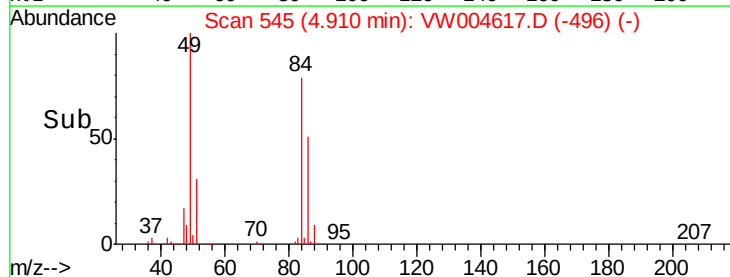
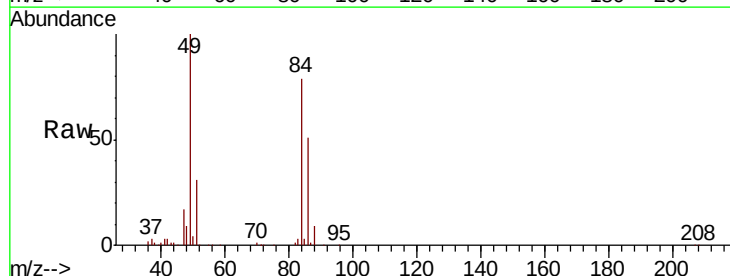
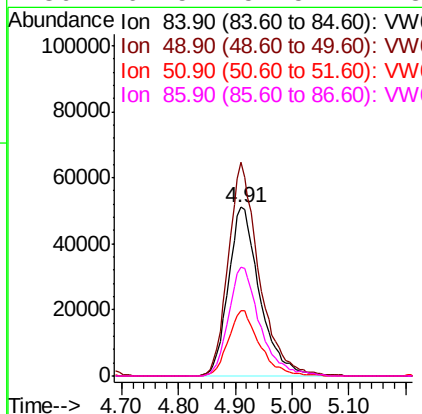
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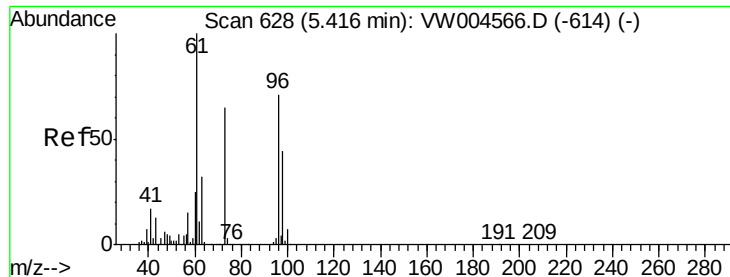
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#20
Methylene Chloride
Concen: 18.64 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	99.6	149.4
51	38.9	31.0	46.4
86	64.5	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 20.77 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

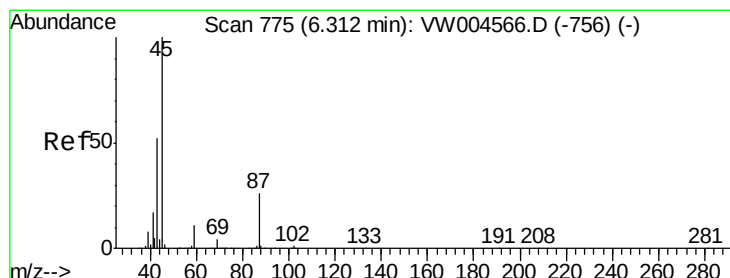
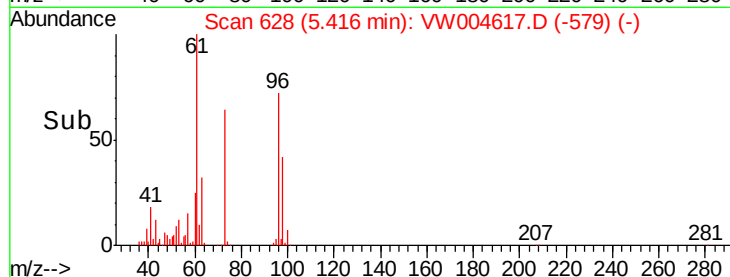
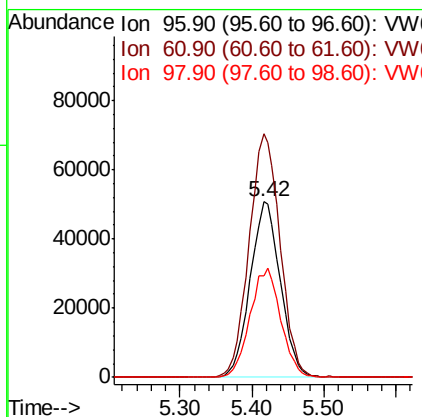
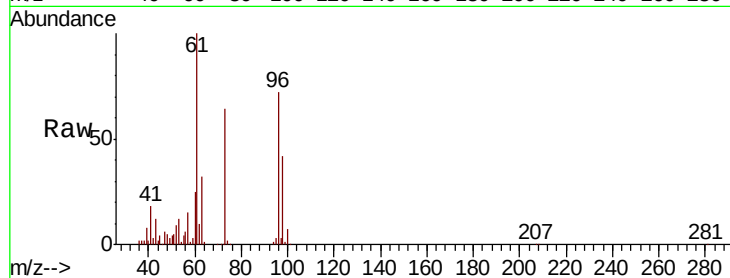
ClientSampleId :

VW0813BSD02

Tot Ion:	96	Resp:	147885
Ion	Ratio	Lower	Upper
96	100		
61	138.8	114.1	171.1
98	57.6	51.4	77.2

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#22

Diisopropyl ether

Concen: 21.99 ug/l

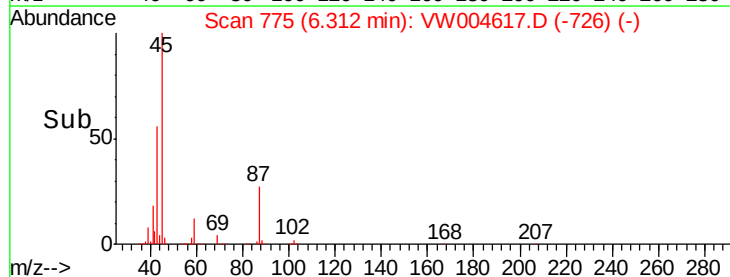
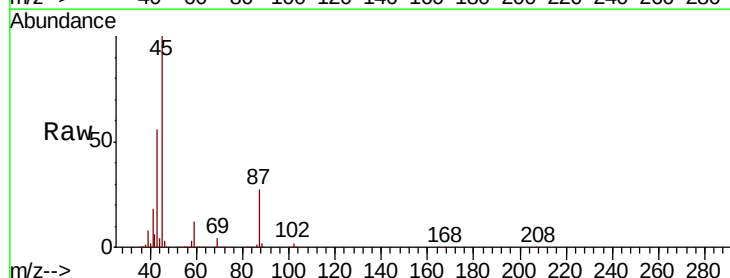
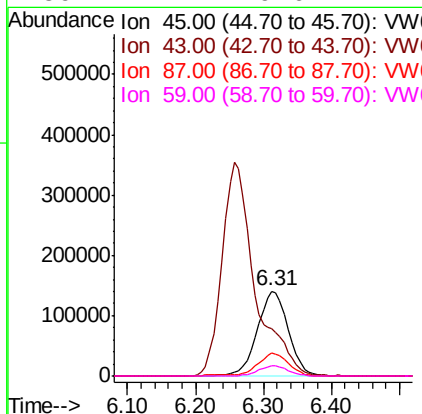
RT: 6.31 min Scan# 775

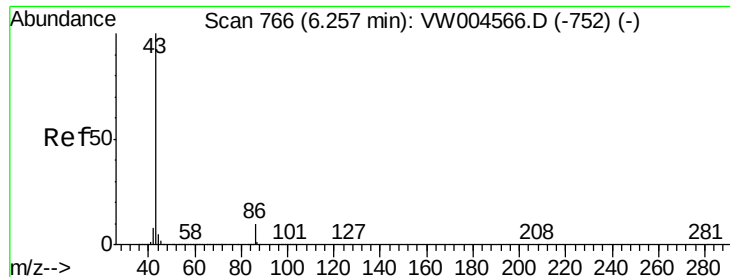
Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion:	45	Resp:	448401
Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.4	63.6
87	26.8	21.6	32.4
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 96.99 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 43 Resp: 1188858

Ion Ratio Lower Upper

43 100

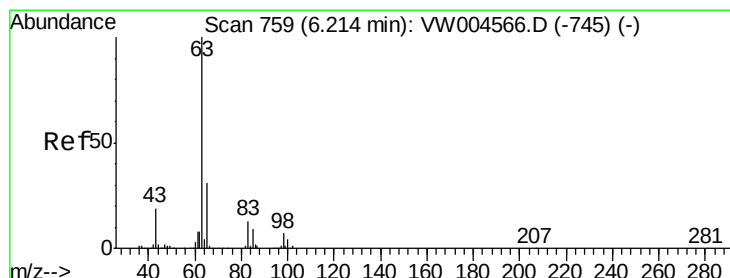
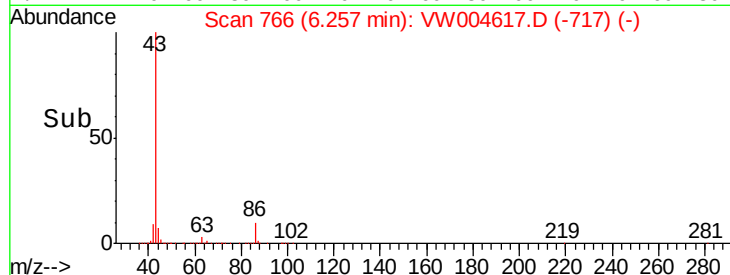
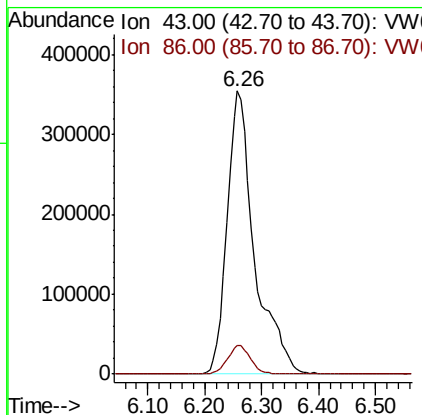
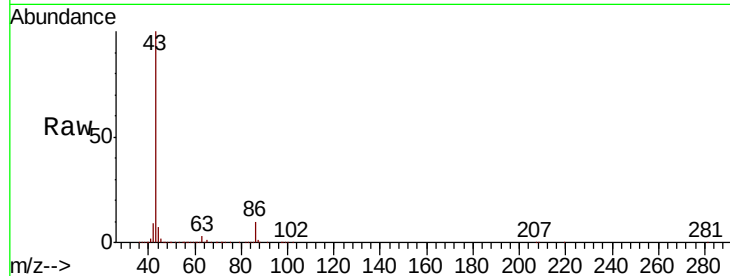
86 10.0 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 20.84 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

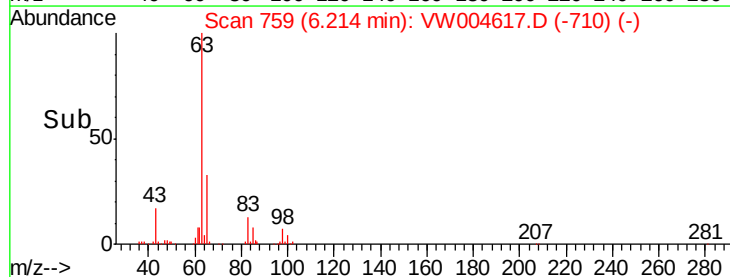
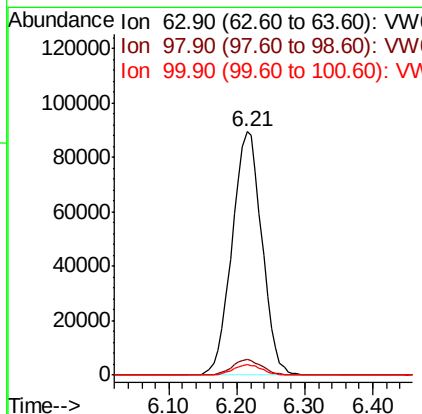
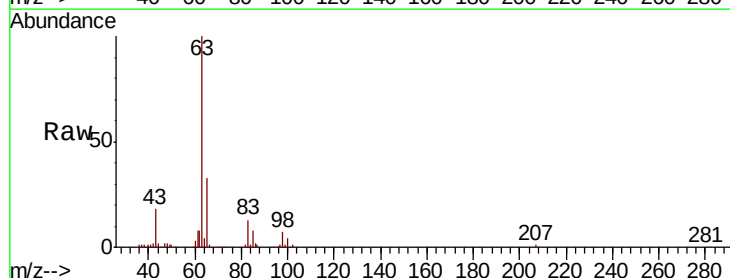
Tgt Ion: 63 Resp: 272091

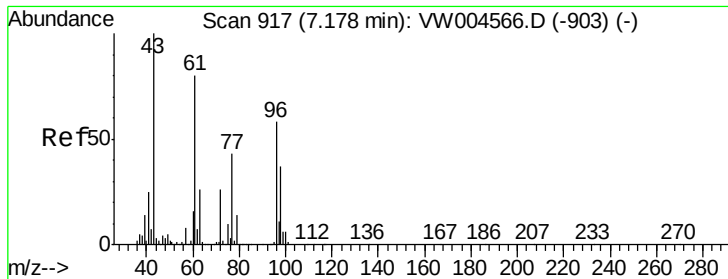
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 94.73 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 43 Resp: 253750

Ion Ratio Lower Upper

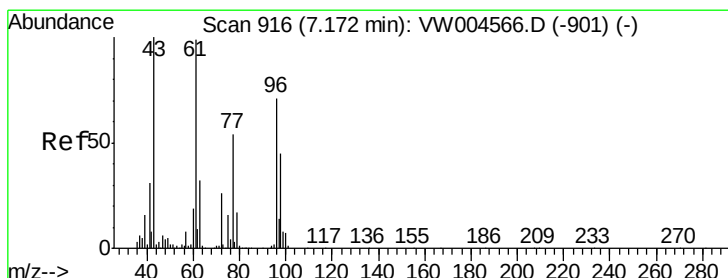
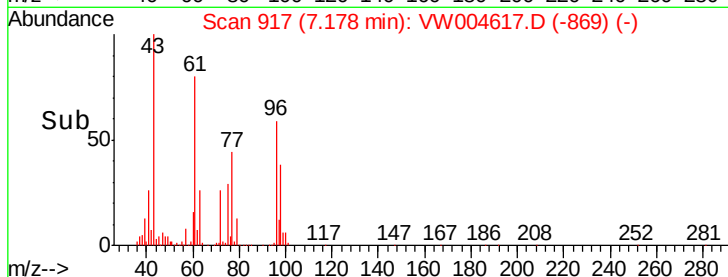
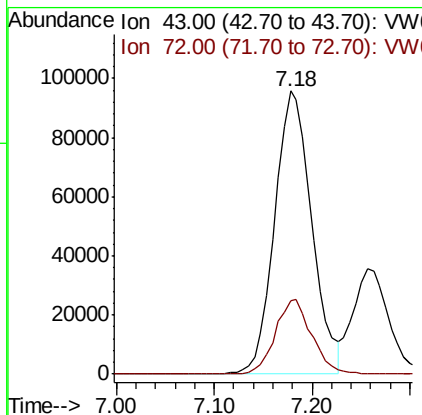
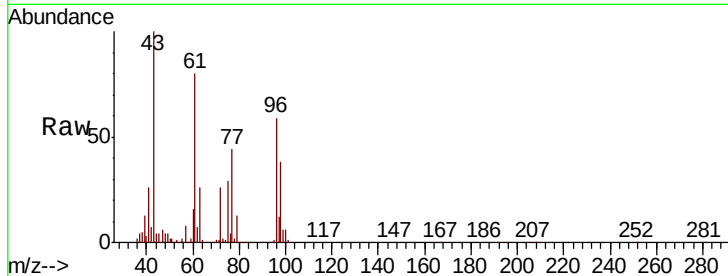
43 100

72 25.9 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 20.42 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004617.D

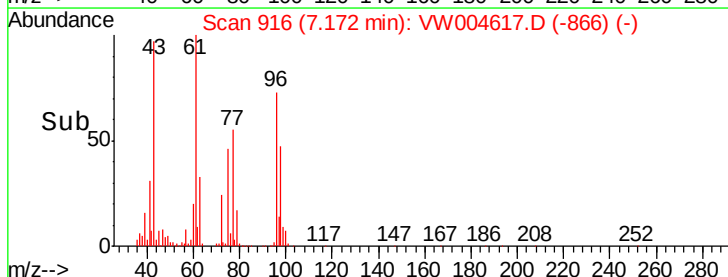
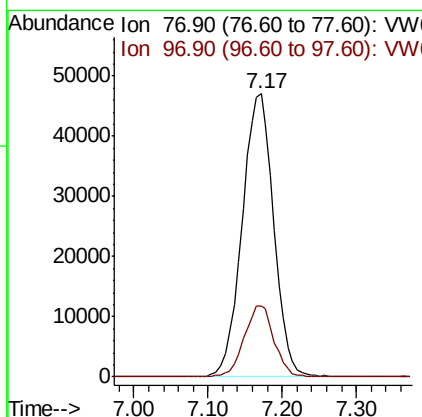
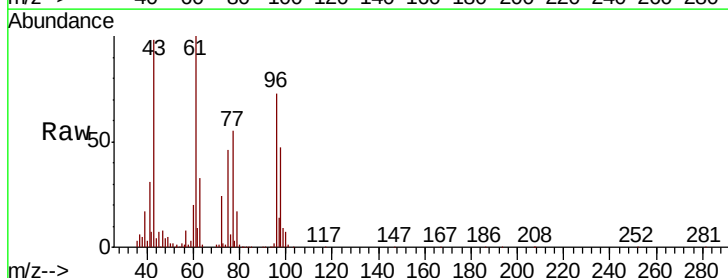
Acq: 11 Aug 2018 01:34

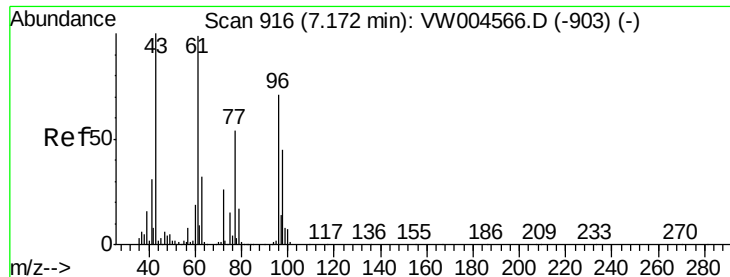
Tgt Ion: 77 Resp: 139895

Ion Ratio Lower Upper

77 100

97 23.8 12.5 37.5





#27

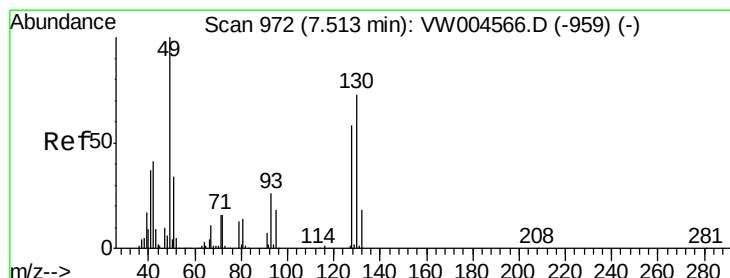
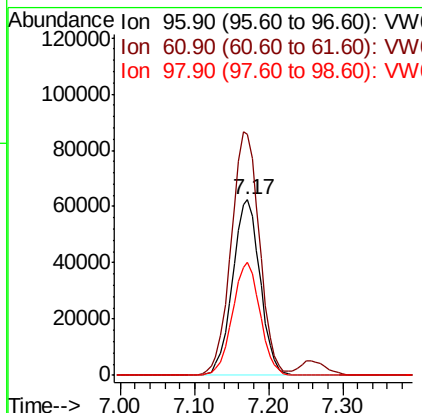
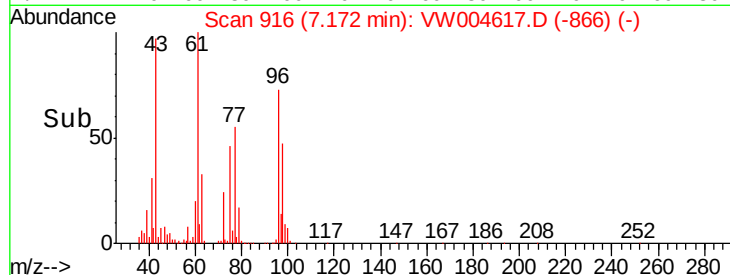
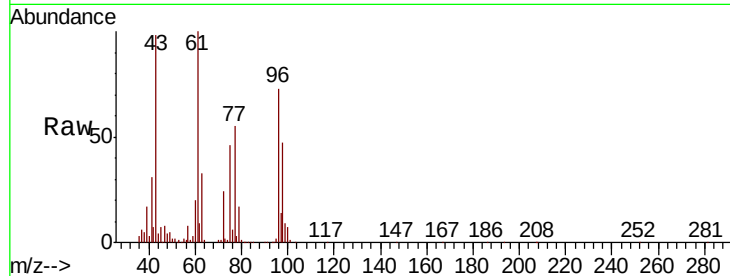
cis-1,2-Dichloroethene
Concen: 21.13 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	161816		
61	142.8	0.0	285.0	
98	64.1	0.0	128.6	

Manual Integrations
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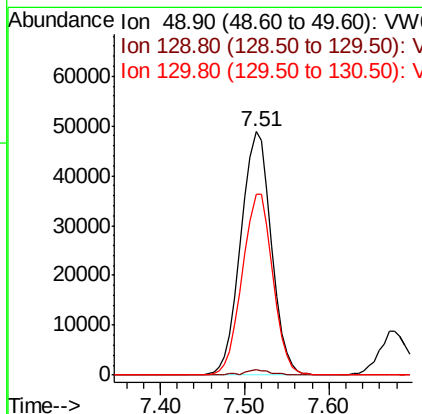
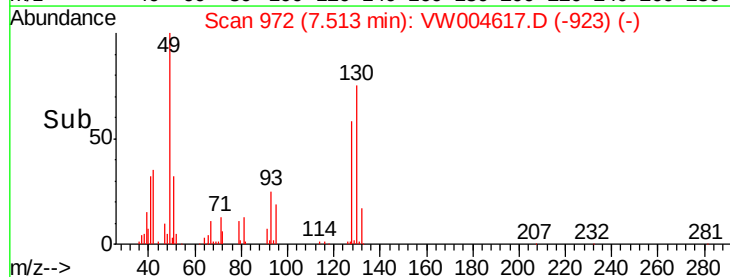
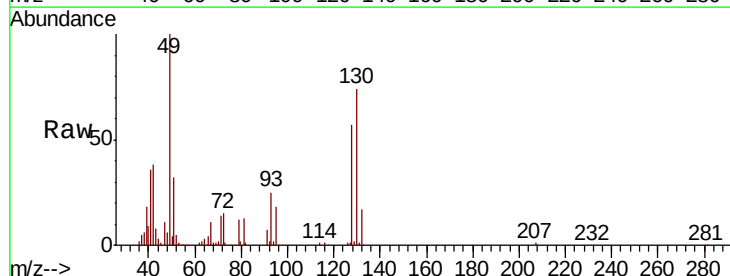
apatel
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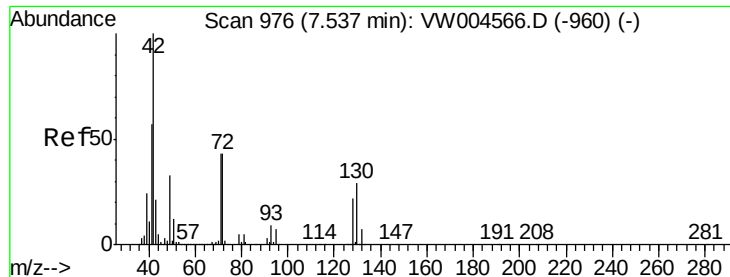


#28

Bromochloromethane
Concen: 21.06 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	119596		
129	1.9	0.0	4.0	
130	74.4	58.8	88.2	





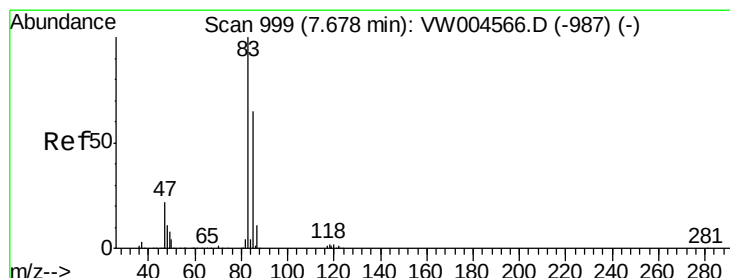
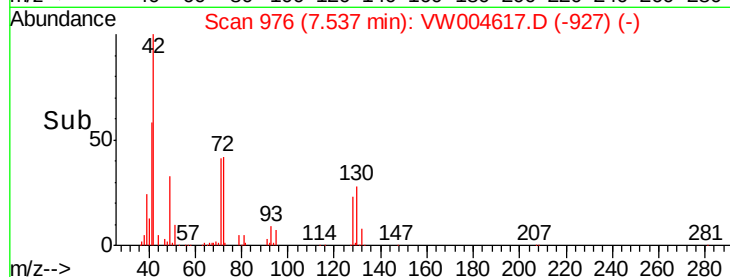
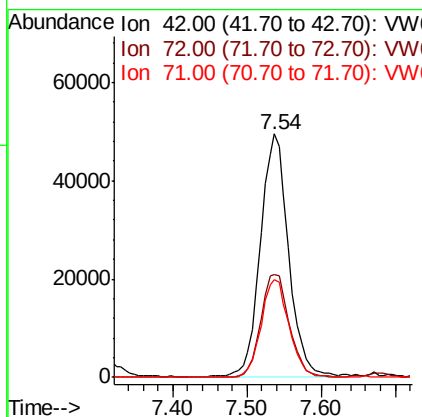
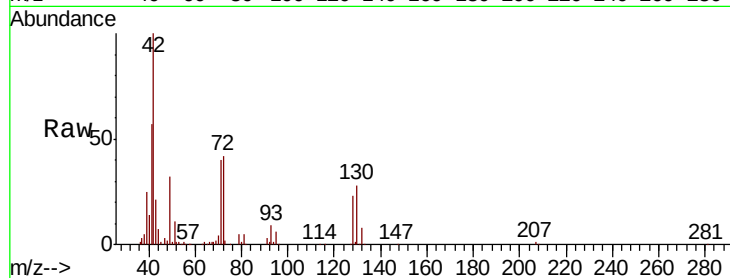
#29
Tetrahydrofuran
Concen: 94.66 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	42.00 (41.70 to 42.70): VW	Resp	131086
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.8	32.5	48.7

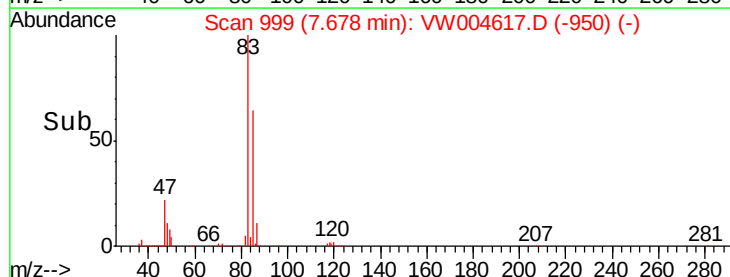
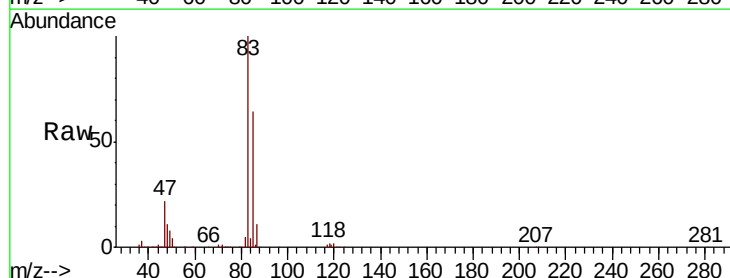
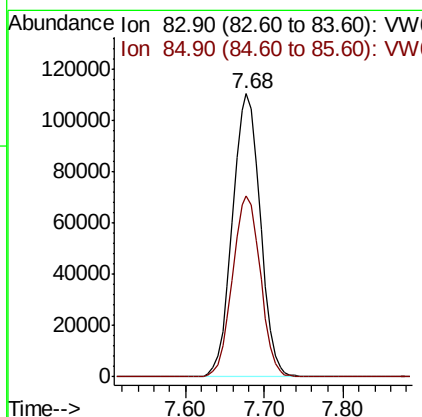
Manual Integrations
APPROVED

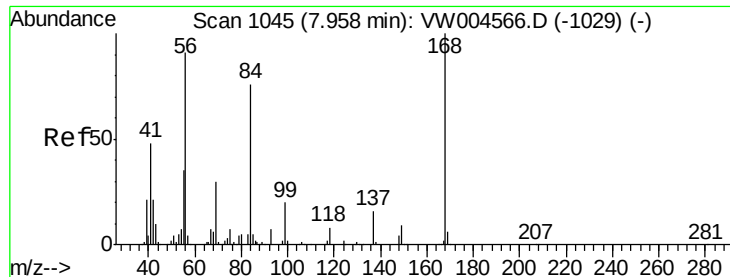
apatel
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#30
Chloroform
Concen: 21.14 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	83.00 (82.60 to 83.60): VW	Resp	271118
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.3	76.9





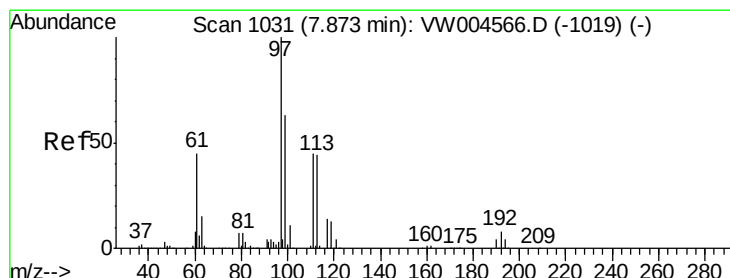
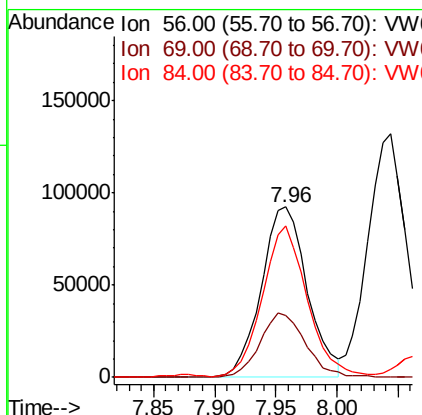
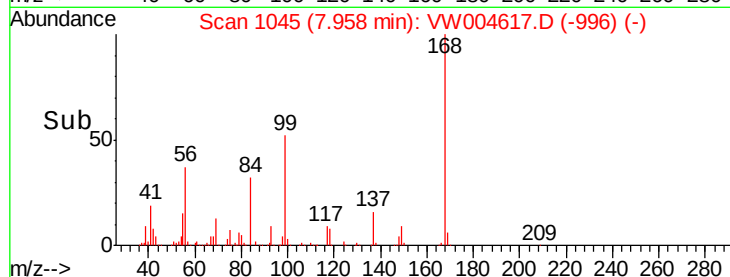
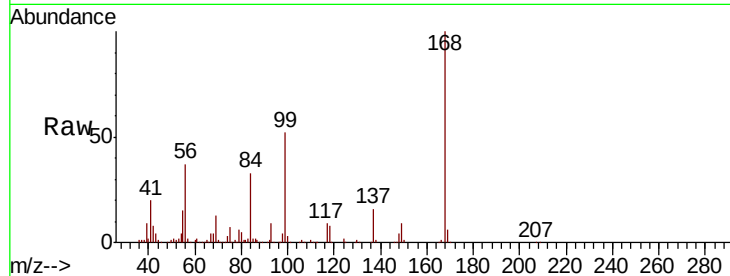
#31
Cyclohexane
Concen: 19.33 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampled :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.4	39.6
84	87.7	66.9	100.3

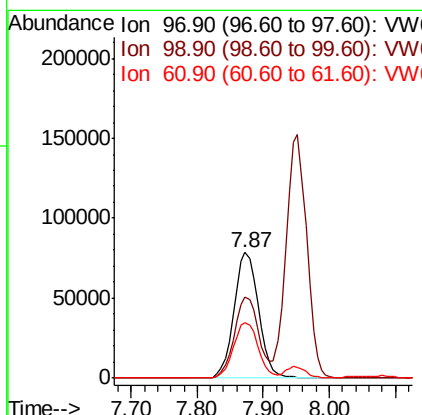
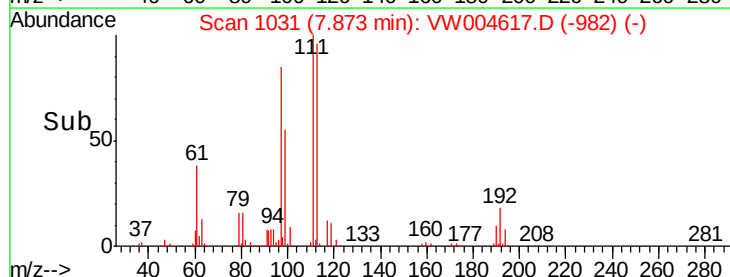
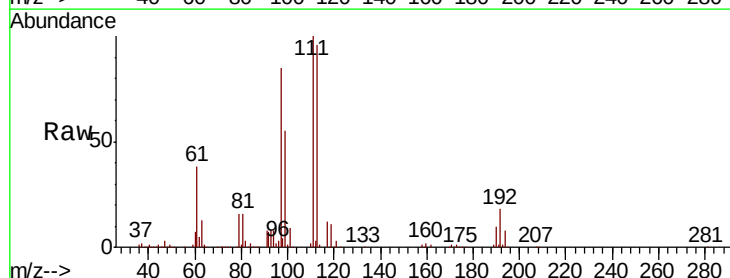
Manual Integrations
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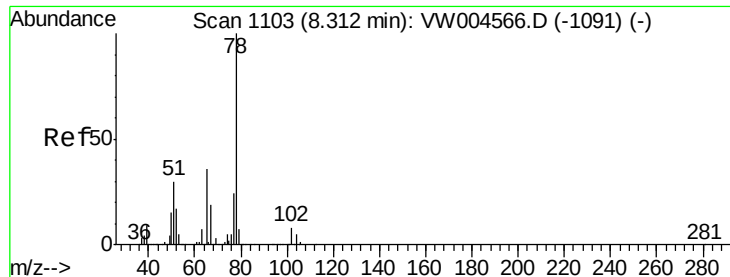
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.02 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	45.0	35.7	53.5





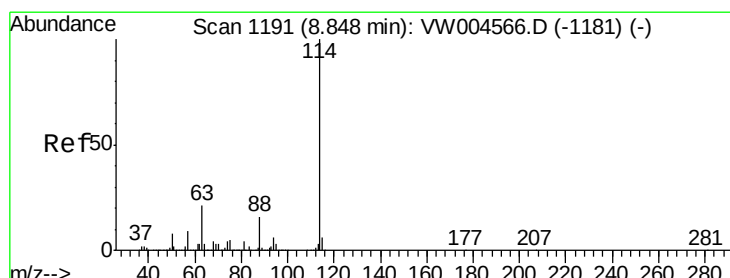
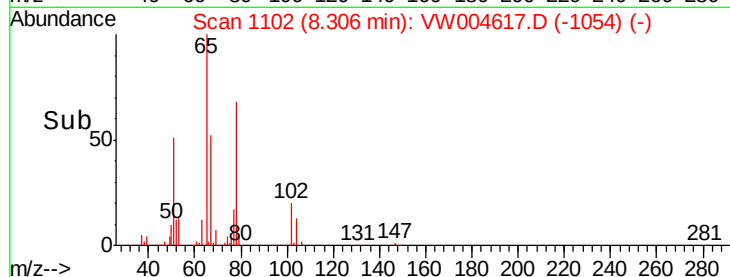
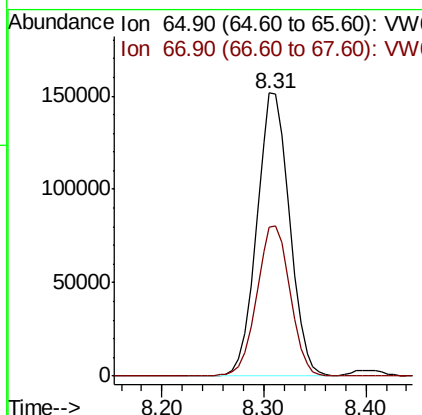
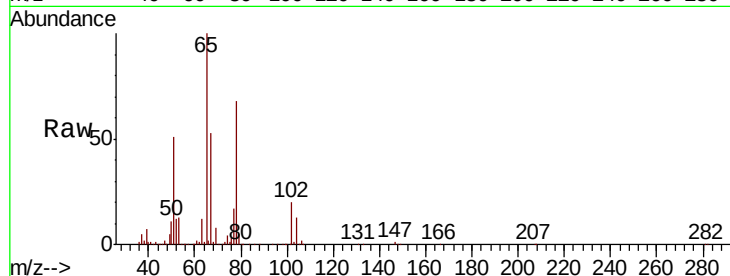
#33
 1,2-Dichloroethane-d4
 Concen: 50.73 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	109.0	

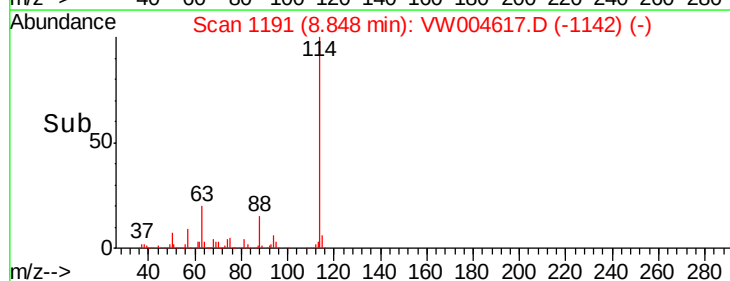
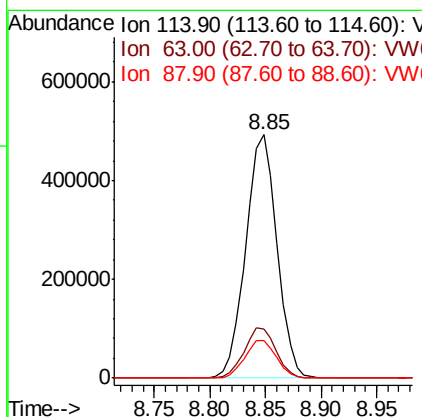
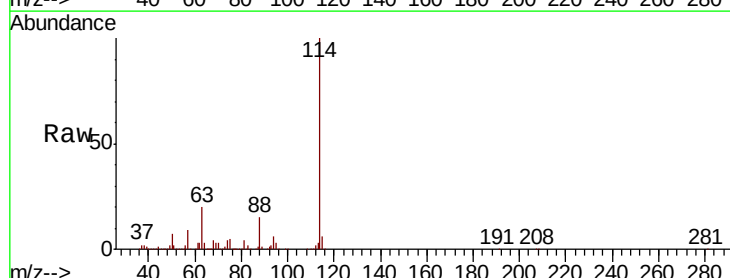
Manual Integrations
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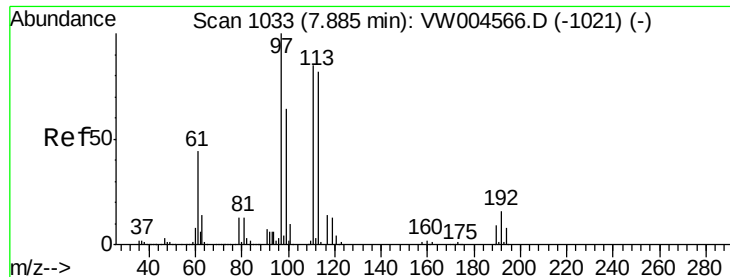
apatel
 8/13/2018 1:00:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	42.4	
88	15.2	0.0	31.2	





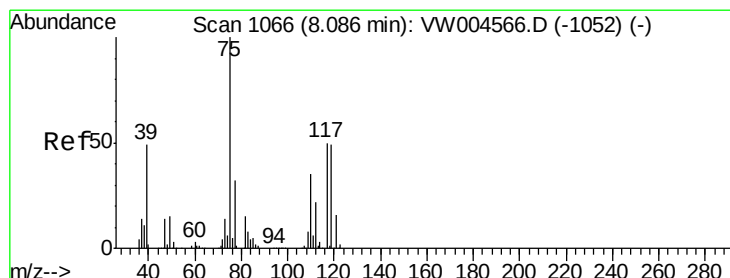
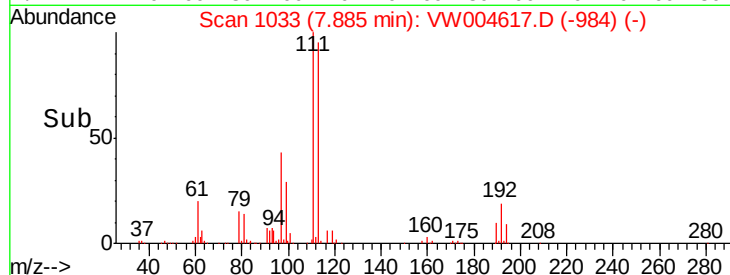
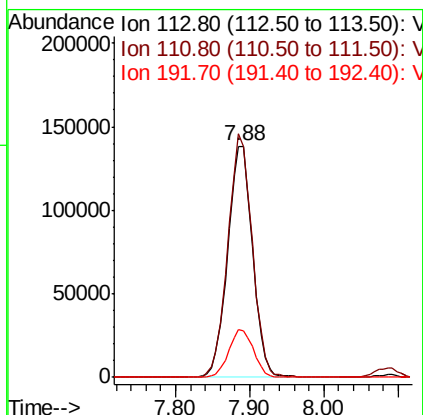
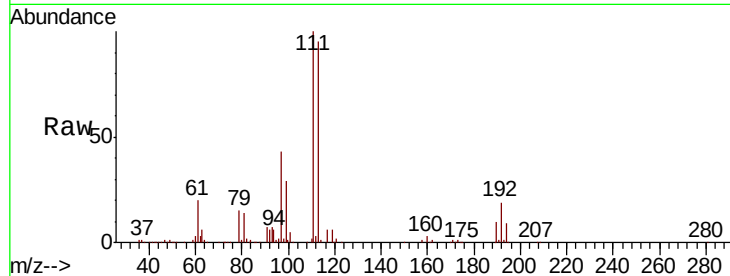
#35
 Dibromofluoromethane
 Concen: 50.52 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	20.4	15.8	23.6

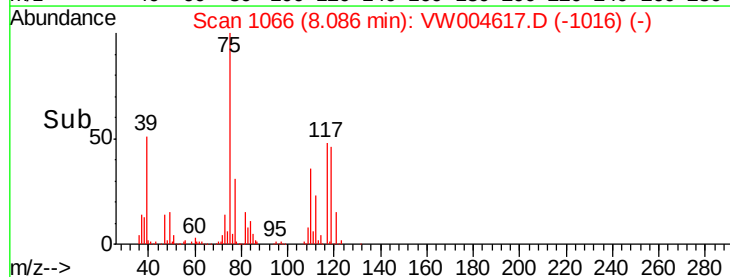
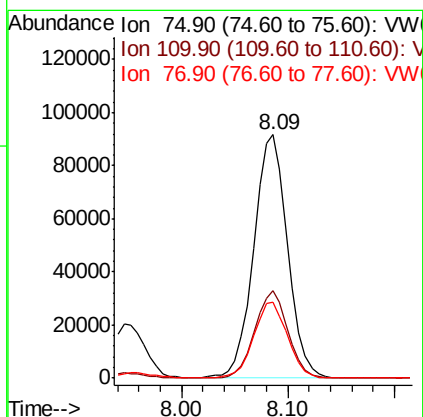
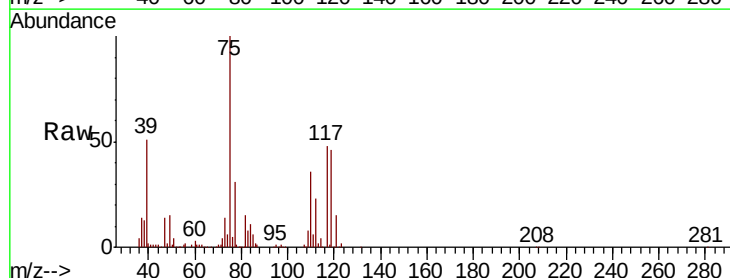
Manual Integrations
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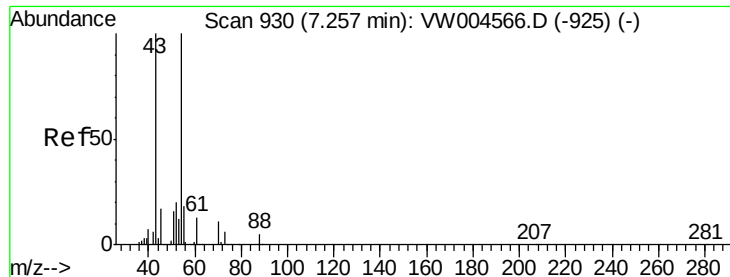
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.57 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.4	52.2
77	31.5	24.7	37.1





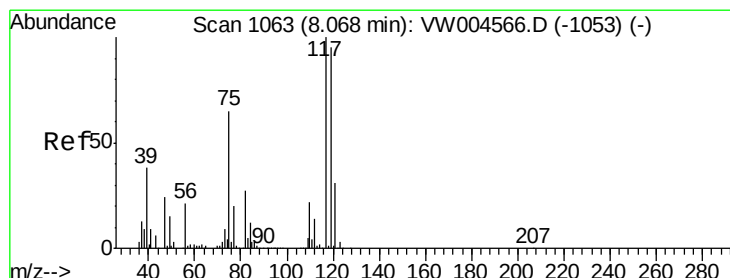
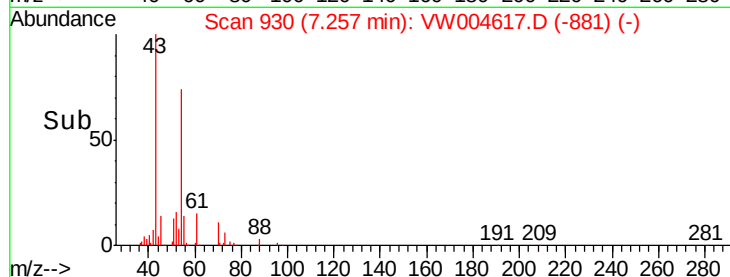
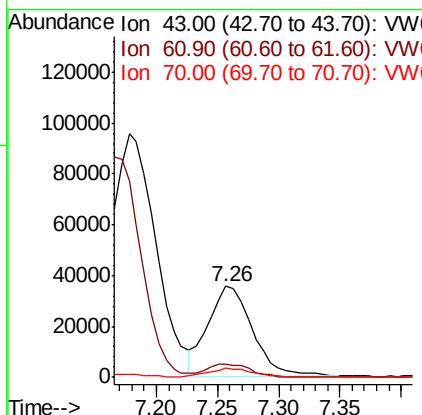
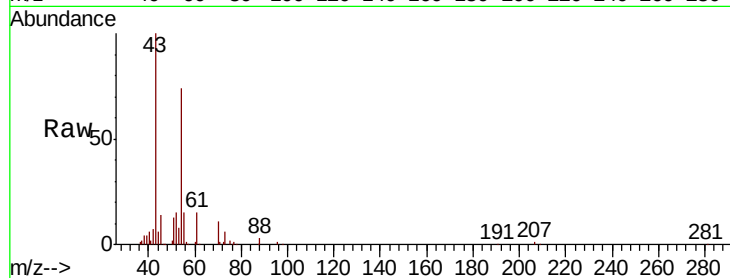
#37
Ethyl Acetate
Concen: 18.63 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion:	43	Resp:	90424
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.9	17.9
70	10.4	8.2	12.4

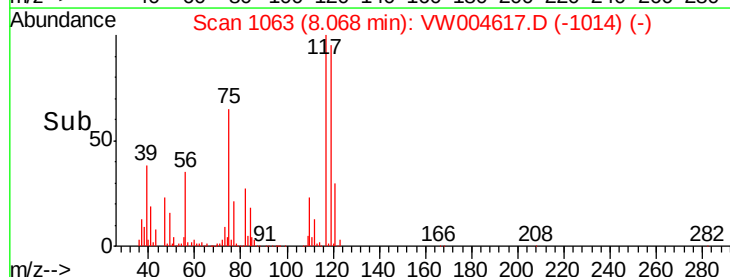
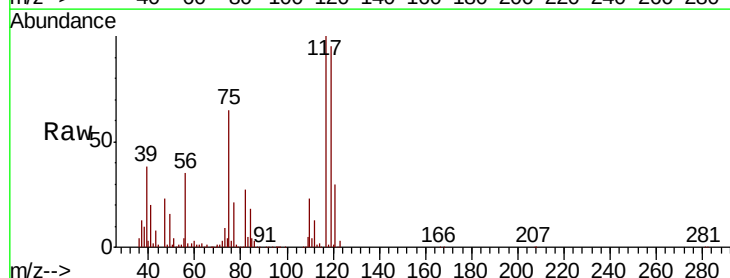
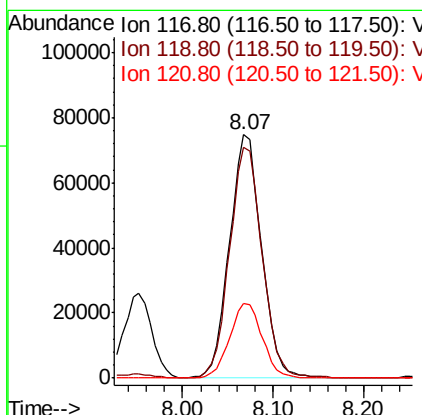
Manual Integrations
APPROVED

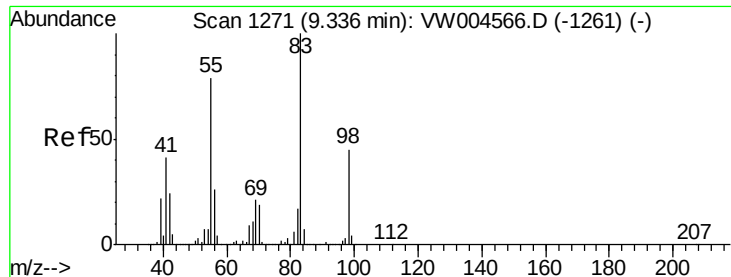
apatel
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#38
Carbon Tetrachloride
Concen: 19.65 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion:	117	Resp:	183244
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.1	114.1
121	30.5	24.2	36.4





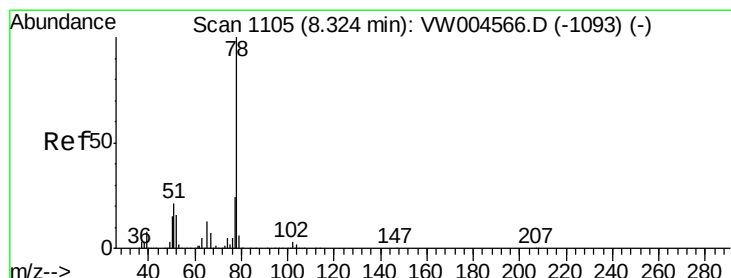
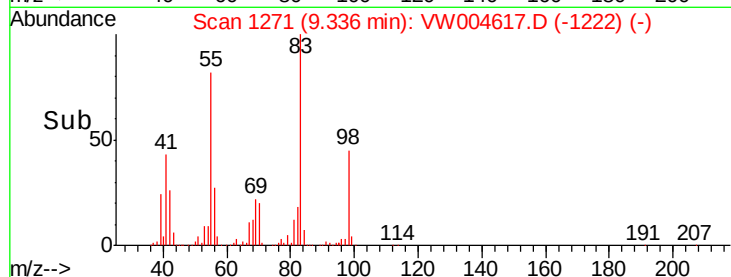
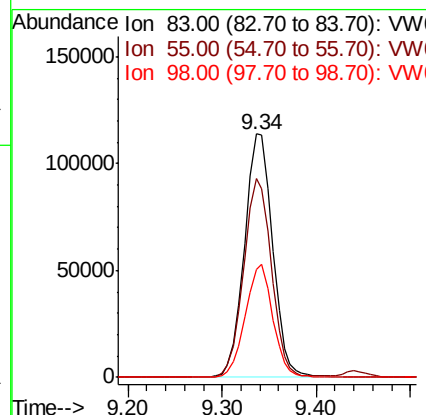
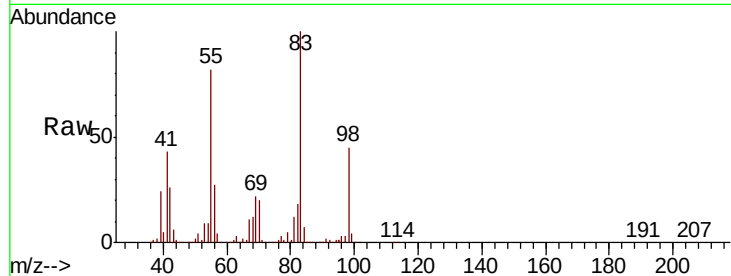
#39
Methylvlcyclohexane
Concen: 18.69 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	237448		
55	81.9	62.5	93.7	
98	44.6	35.4	53.2	

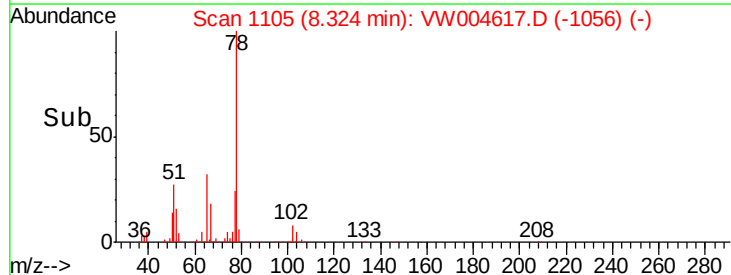
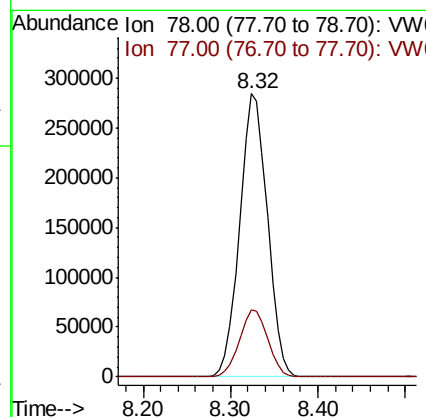
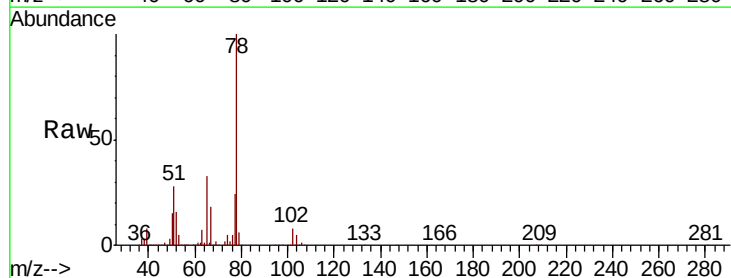
Manual Integrations
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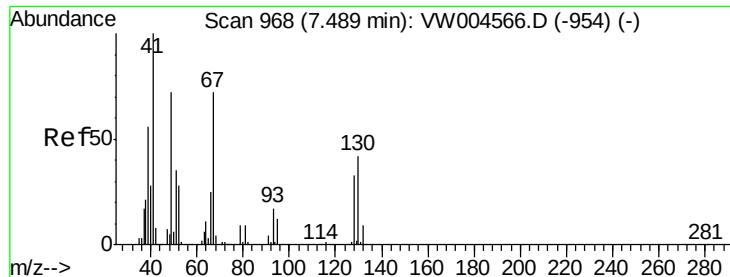
apatel
8/13/2018 1:00:31 PM



#40
Benzene
Concen: 20.60 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	626958		
77	23.8	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: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

Tot Ion: 41 Resp: 51089

Ion Ratio Lower Upper

41 100

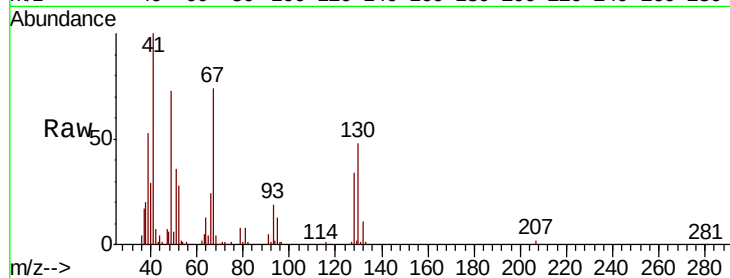
39 58.5 46.2 69.2

67 74.9 60.8 91.2

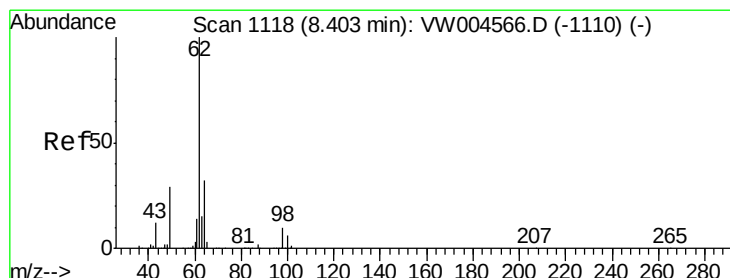
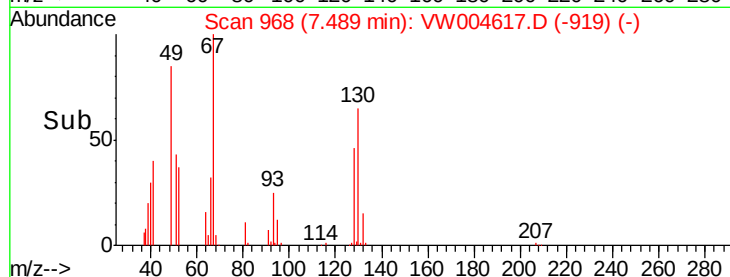
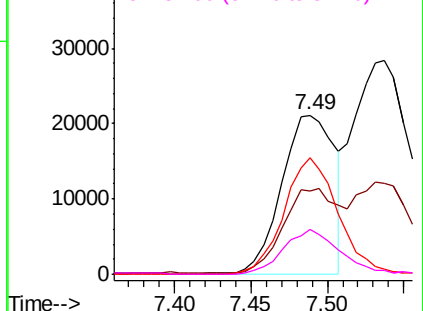
52 30.2 23.8 35.6

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



#42

1,2-Dichloroethane

Concen: 20.12 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004617.D

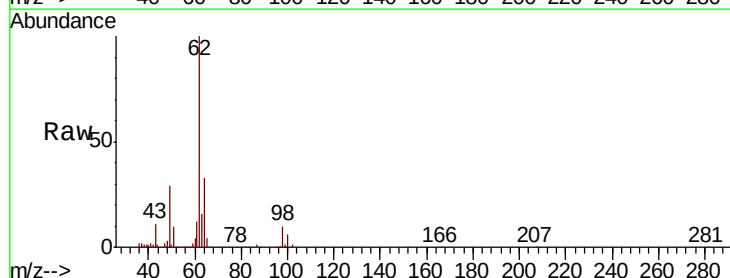
Acq: 11 Aug 2018 01:34

Tgt Ion: 62 Resp: 169420

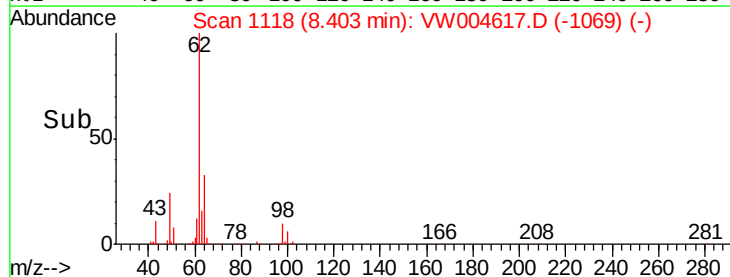
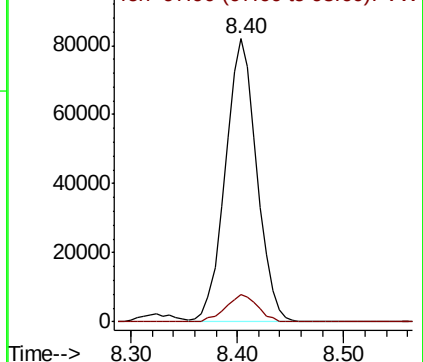
Ion Ratio Lower Upper

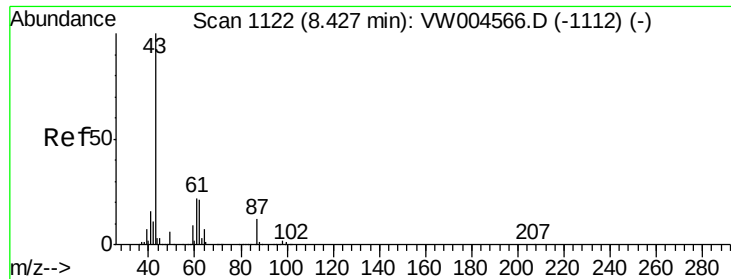
62 100

98 9.9 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 18.66 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

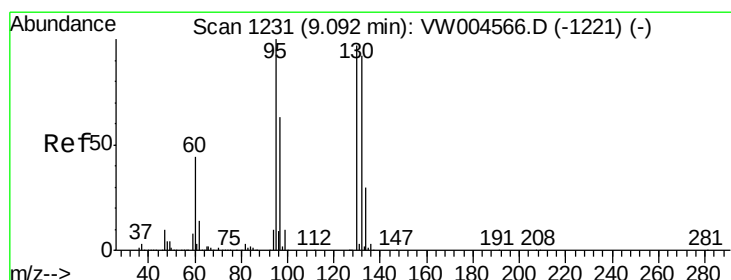
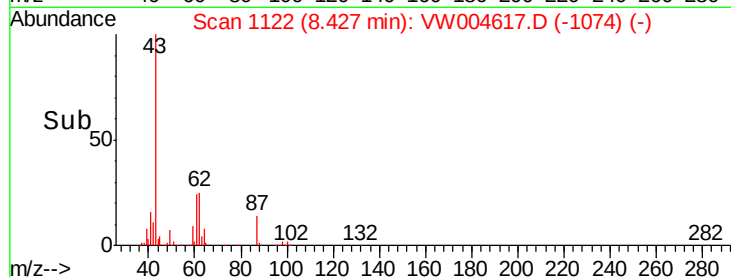
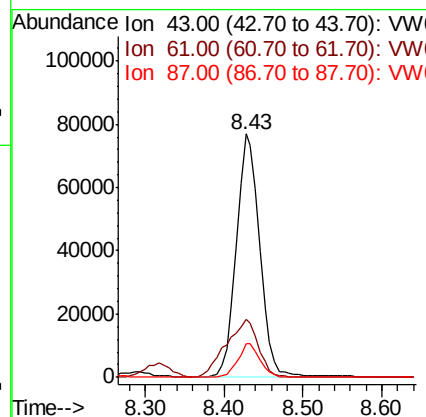
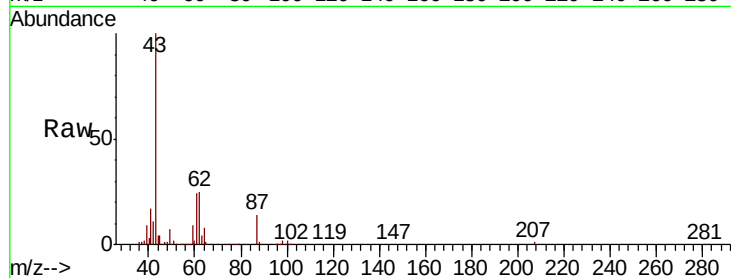
ClientSampleId :

VW0813SBS02

Tot Ion:	43	Resp:	157917
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.2	37.8
87	13.2	10.6	16.0

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#44

Trichloroethene

Concen: 19.98 ug/l

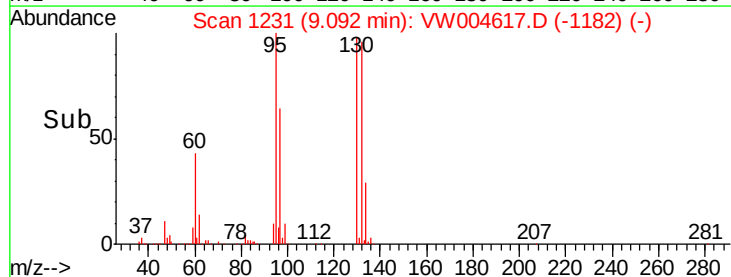
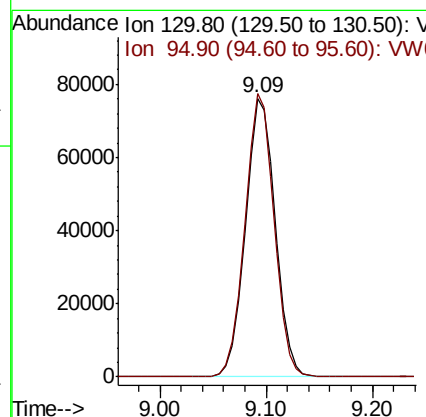
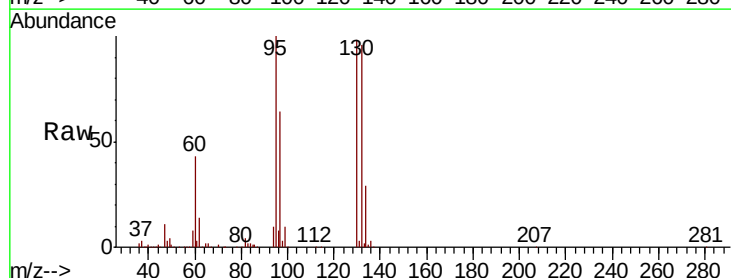
RT: 9.09 min Scan# 1231

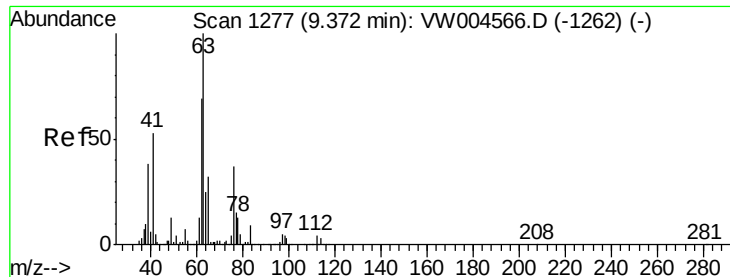
Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion:	130	Resp:	149462
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2





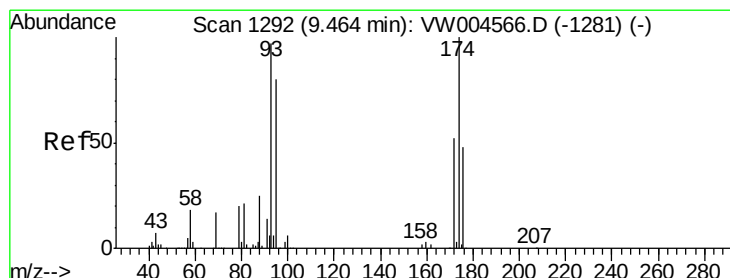
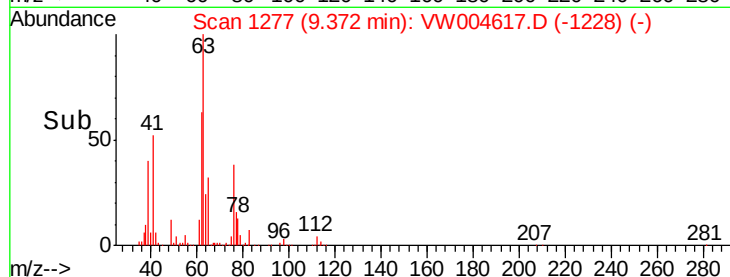
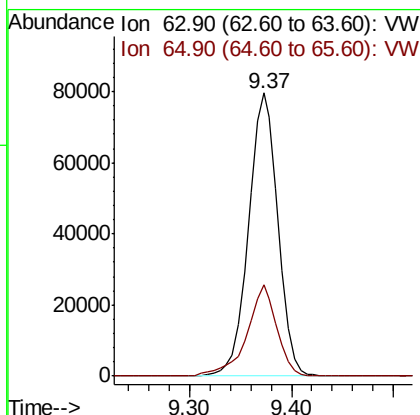
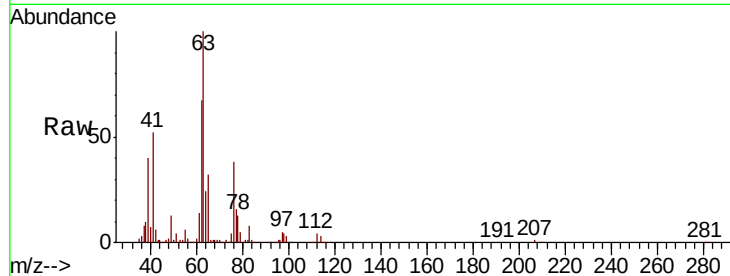
#45
 1,2-Dichloropropane
 Concen: 20.90 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.5	36.7

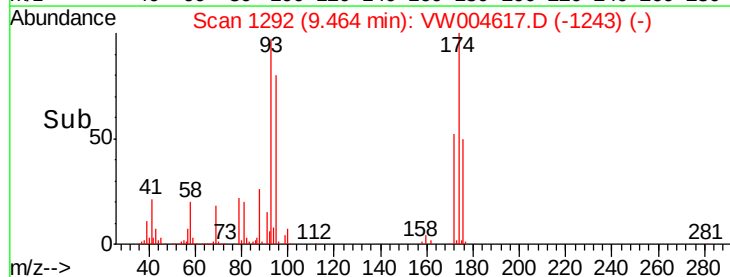
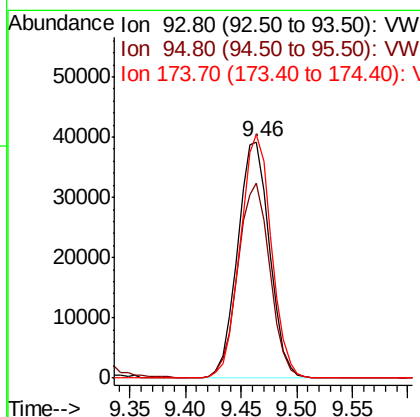
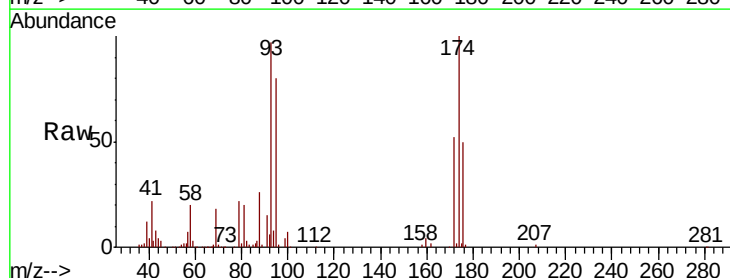
Manual Integrations
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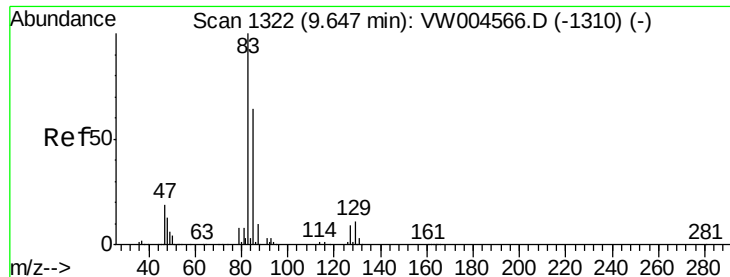
apatel
 8/13/2018 1:00:31 PM



#46
 Dibromomethane
 Concen: 20.12 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.0	100.4
174	100.6	80.2	120.4





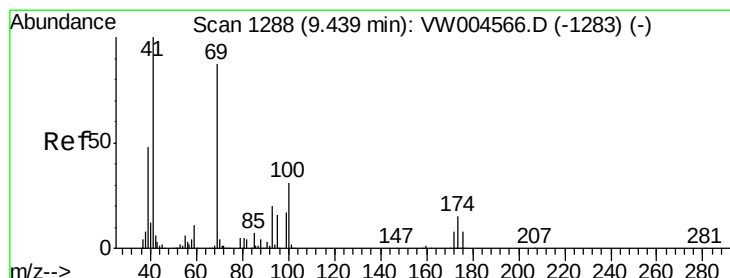
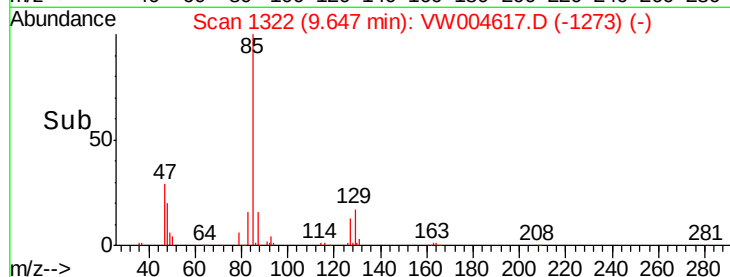
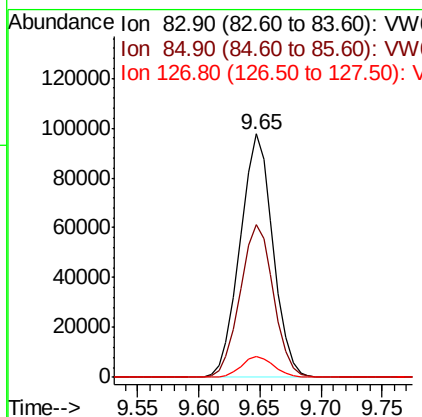
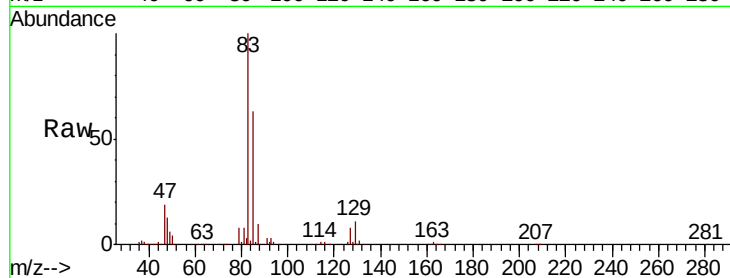
#47
Bromodichloromethane
Concen: 19.89 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	83	Resp	182193
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	50.7	76.1
127	8.4	6.5	9.7

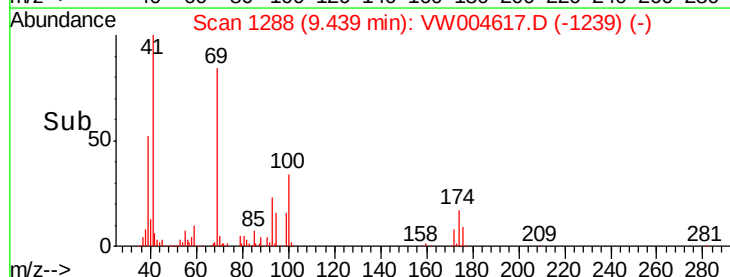
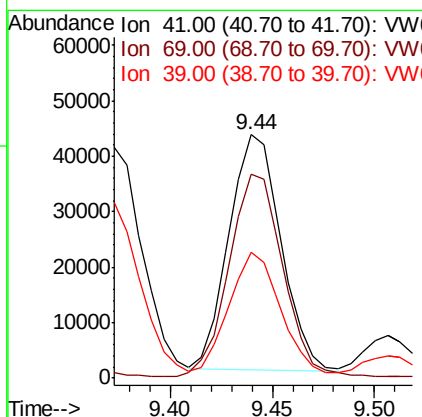
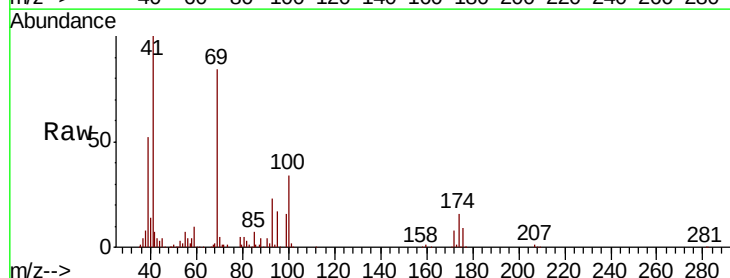
Manual Integrations
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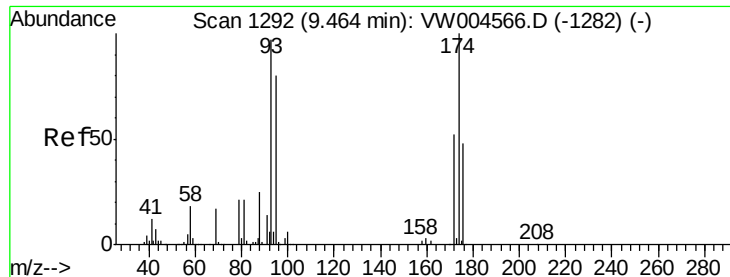
apatel
8/13/2018 1:00:31 PM



#48
Methyl methacrylate
Concen: 18.99 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	41	Resp	75084
Ion Ratio	100	Lower	Upper
41	100		
69	91.7	73.2	109.8
39	54.2	40.6	60.8





#49

1,4-Dioxane

Concen: 415.90 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

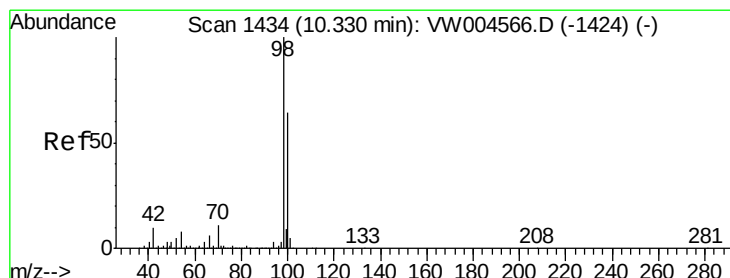
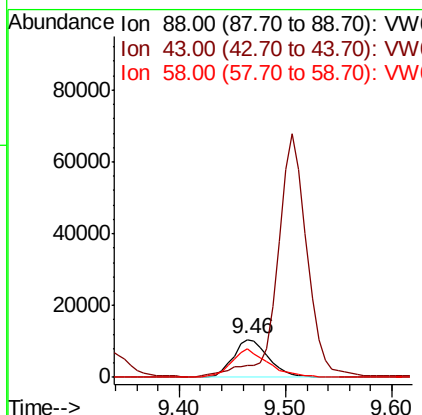
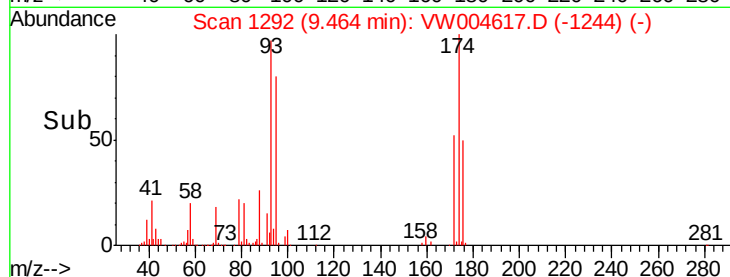
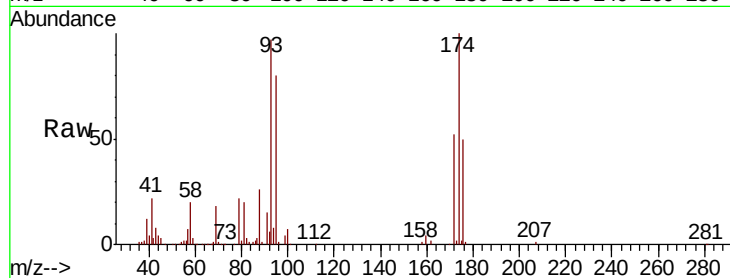
ClientSampleId :

VW0813SBS02

Tot Ion	88	Resp	24622
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.7	63.5	95.3

Manual Integrations
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#50

Toluene-d8

Concen: 52.10 ug/l

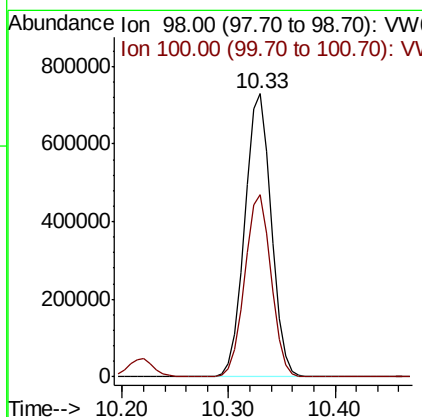
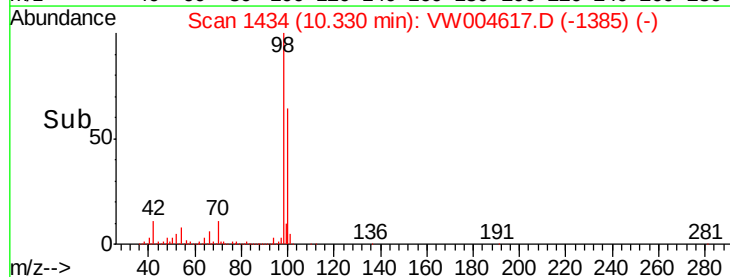
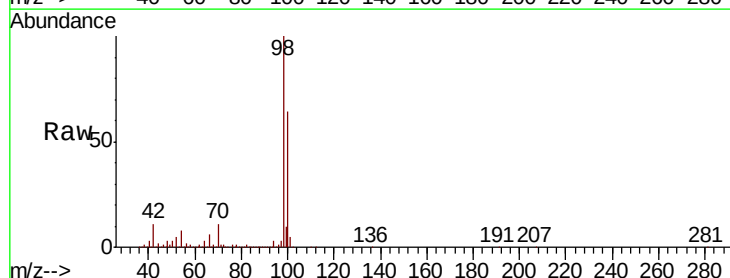
RT: 10.33 min Scan# 1434

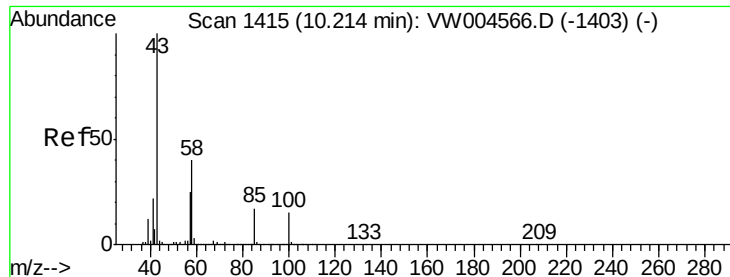
Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion	98	Resp	1274812
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 94.84 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 43 Resp: 558582

Ion Ratio Lower Upper

43 100

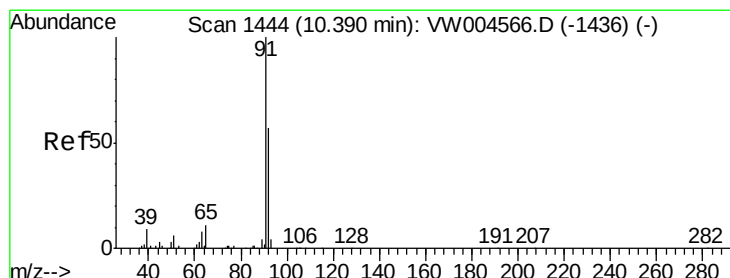
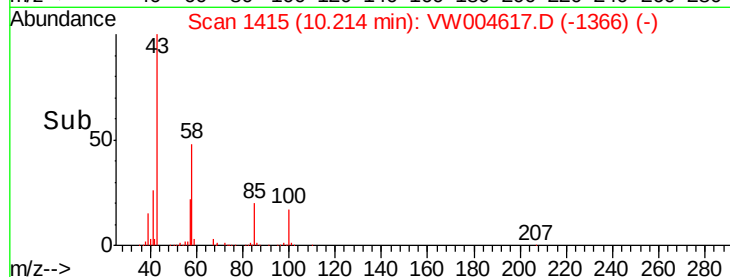
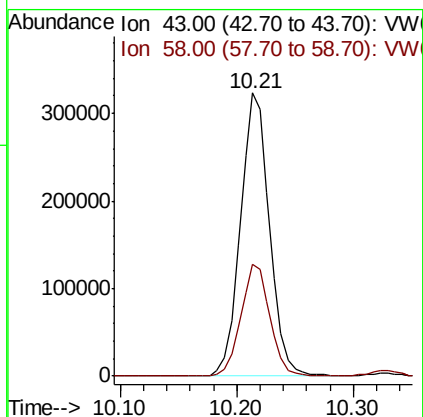
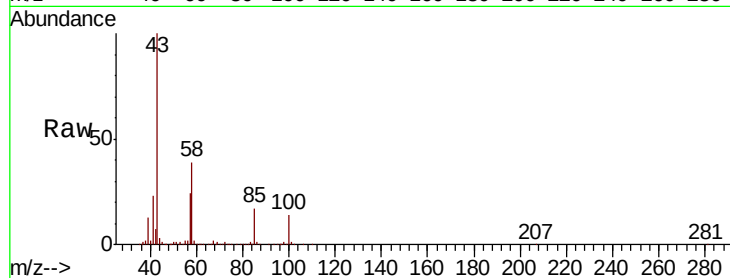
58 39.6 31.9 47.9

Manual Integrations

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#52

Toluene

Concen: 21.08 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004617.D

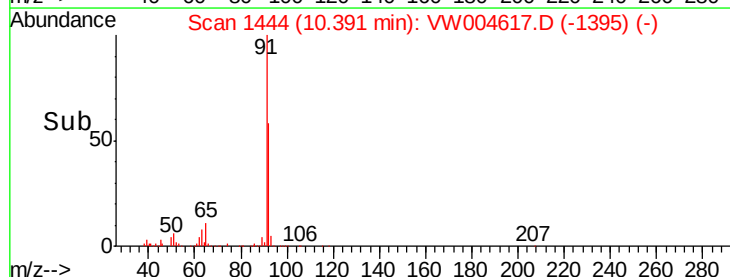
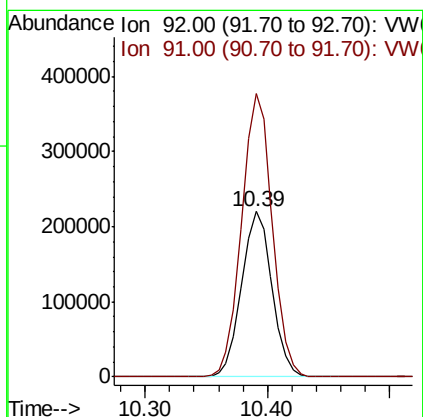
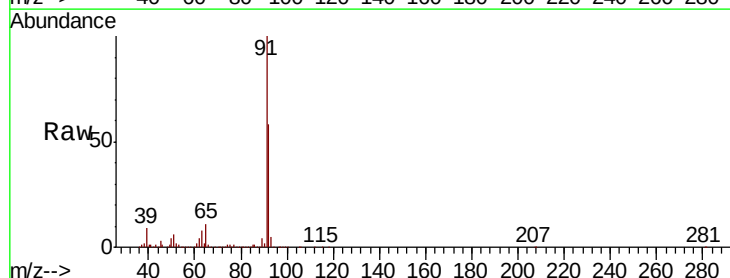
Acq: 11 Aug 2018 01:34

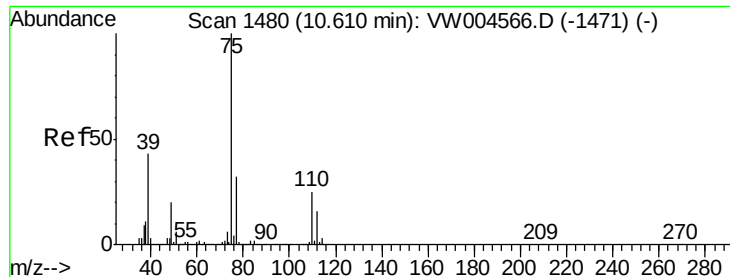
Tgt Ion: 92 Resp: 378330

Ion Ratio Lower Upper

92 100

91 172.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.23 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

Tot Ion: 75 Resp: 176866

Ion Ratio Lower Upper

75 100

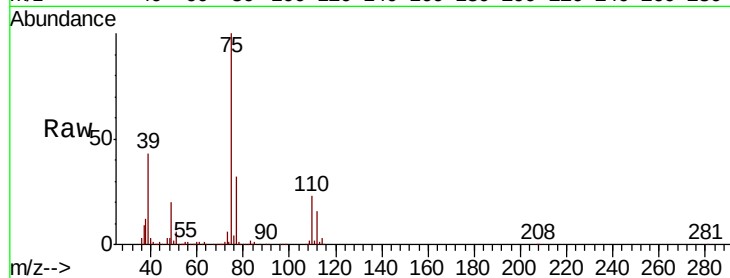
77 32.1 25.1 37.7

Manual Integrations

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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

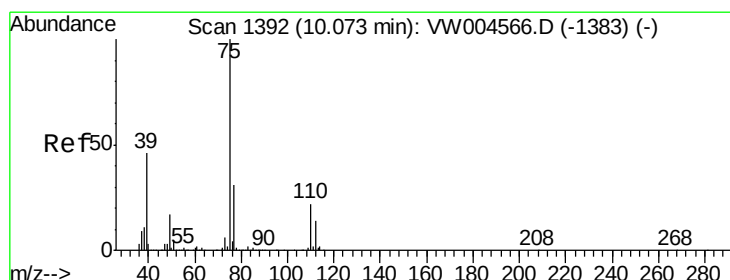
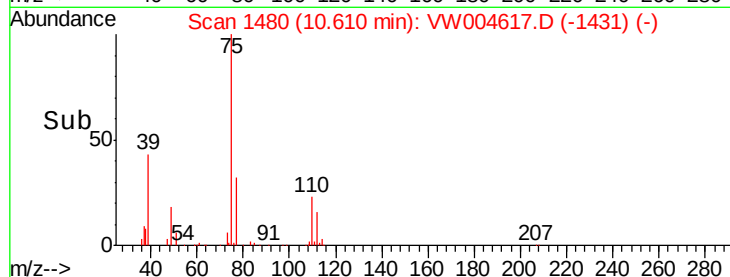
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.84 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

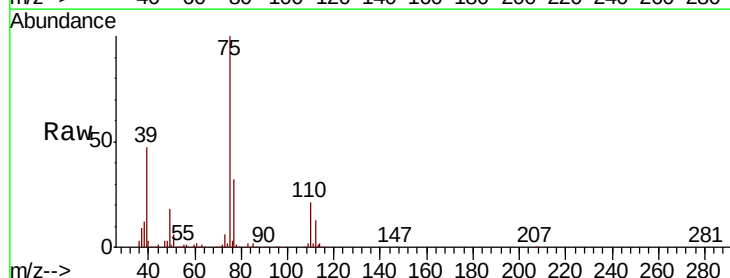
Tgt Ion: 75 Resp: 212647

Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 46.8 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

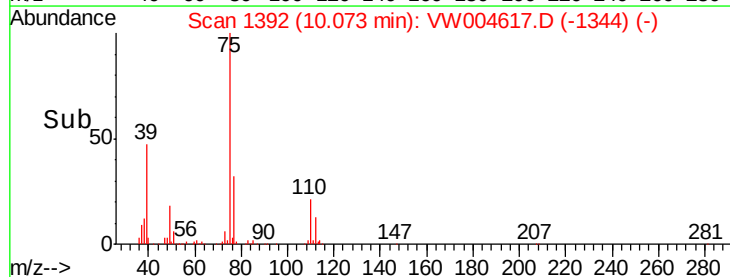
150000

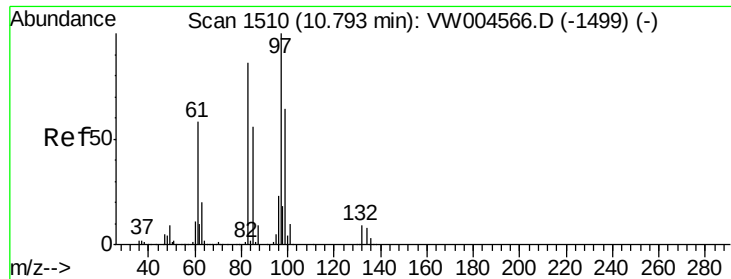
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.16 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

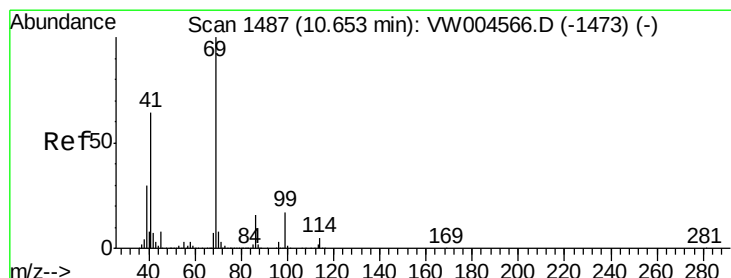
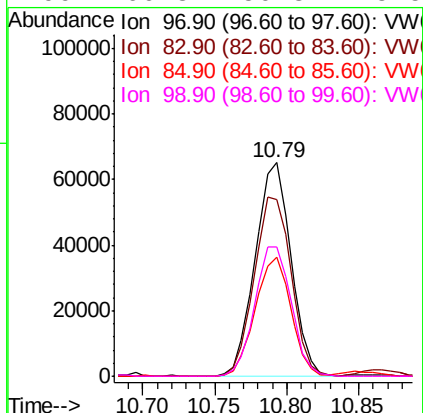
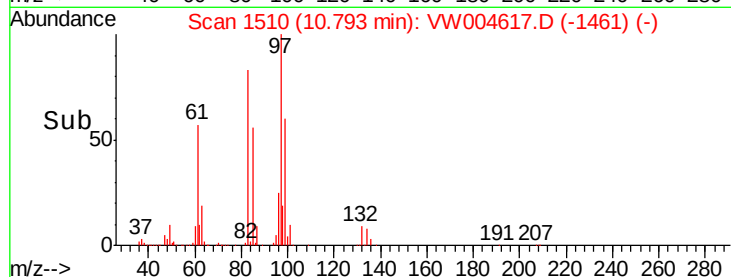
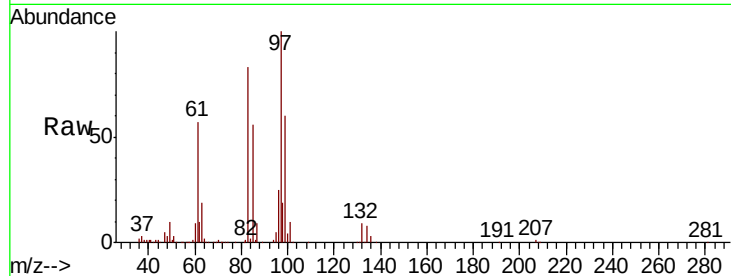
ClientSampleId :

VW0813SBS02

Tot Ion:	97	Resp:	112099
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.8	104.8
85	55.9	45.1	67.7
99	60.3	50.3	75.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.90 ug/l

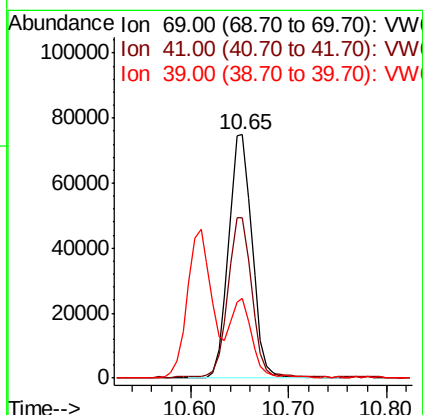
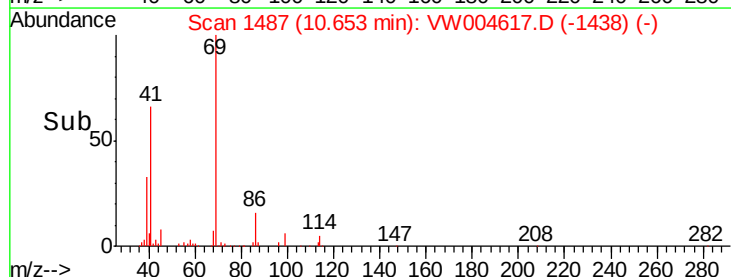
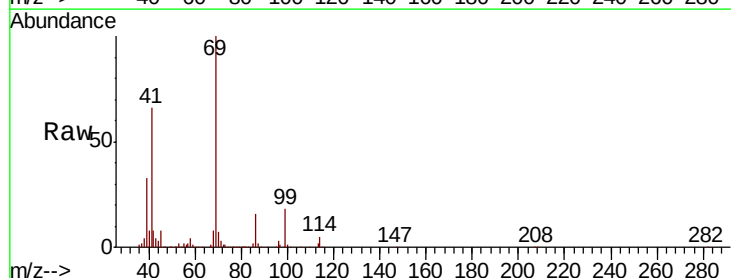
RT: 10.65 min Scan# 1487

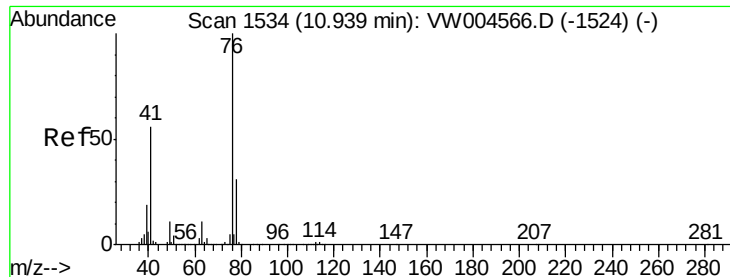
Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion:	69	Resp:	125845
Ion	Ratio	Lower	Upper
69	100		
41	67.6	52.4	78.6
39	28.4	22.7	34.1





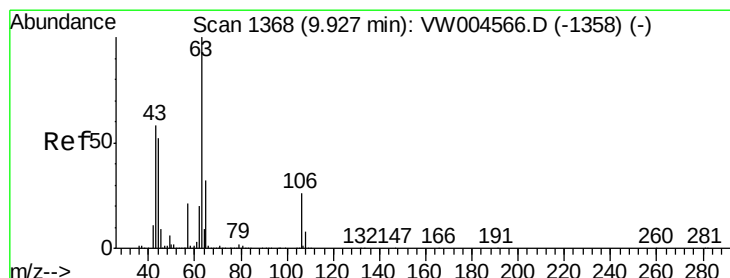
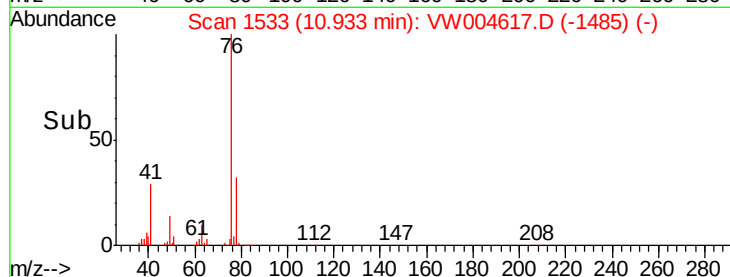
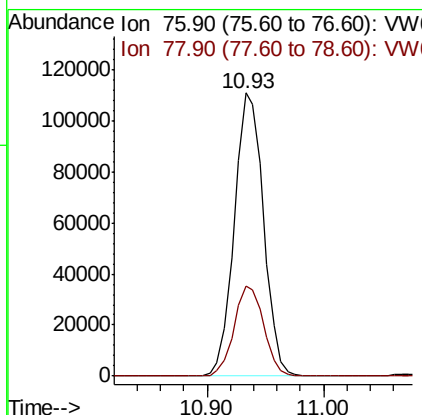
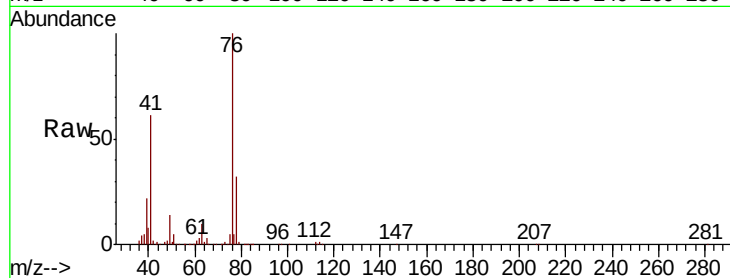
#57
 1,3-Dichloropropane
 Concen: 20.21 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

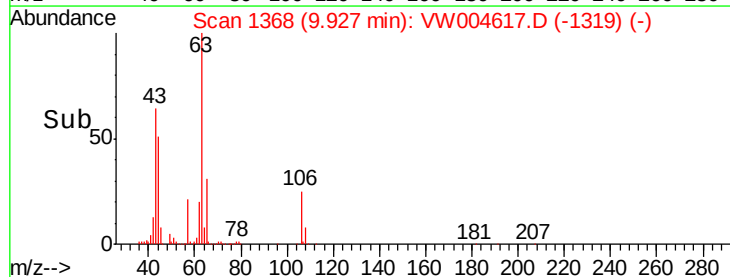
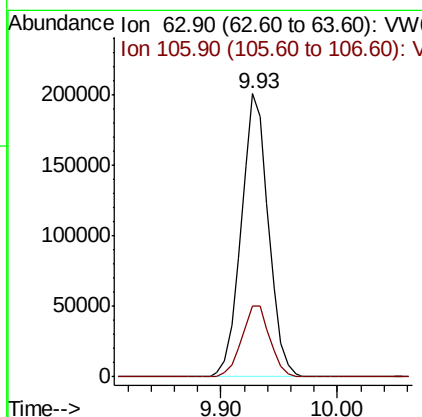
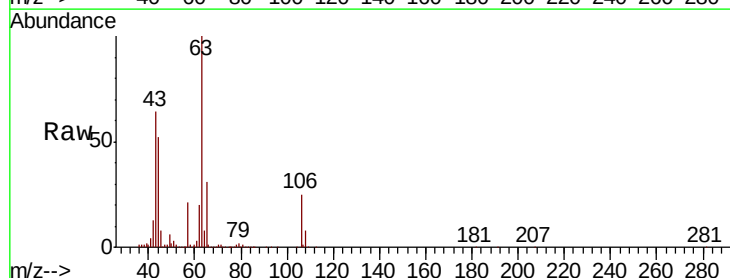
Manual Integrations
 APPROVED

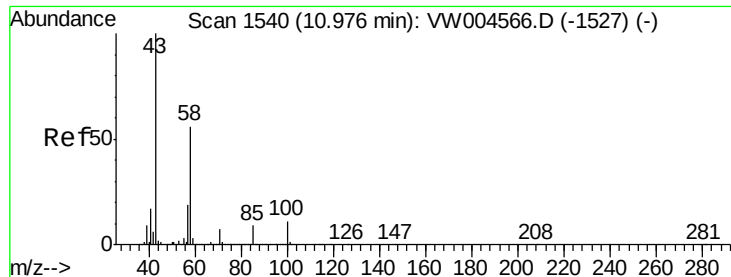
apatel
 8/13/2018 1:00:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.14 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.3	31.9





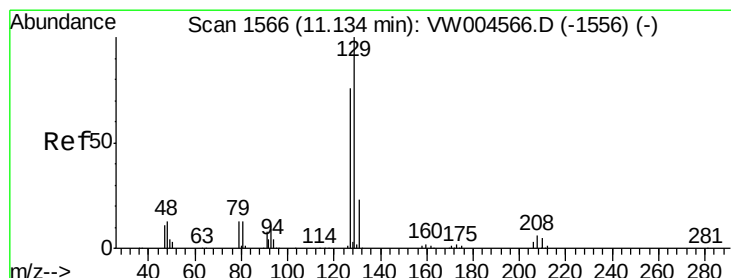
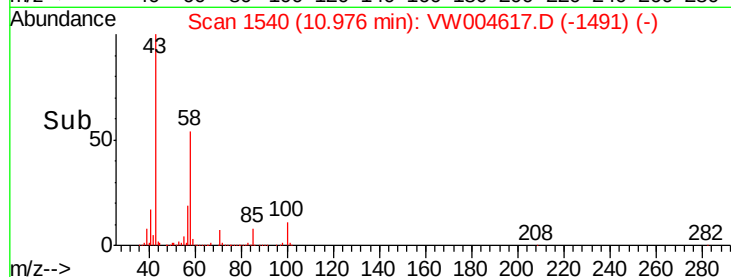
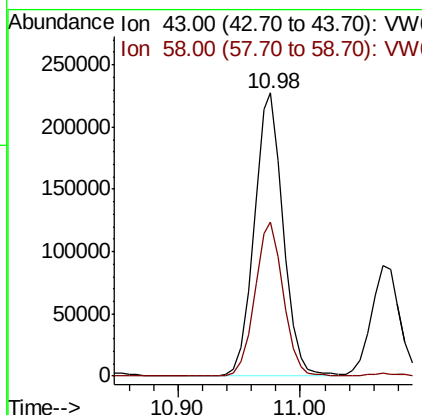
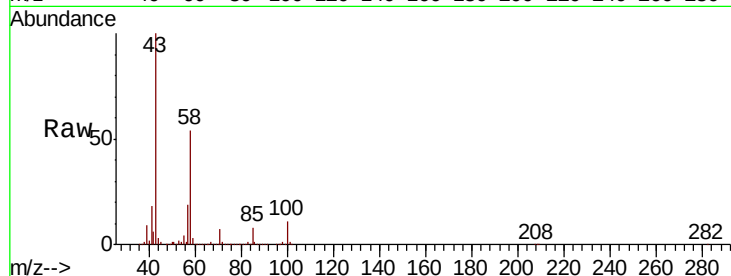
#59
2-Hexanone
Concen: 93.36 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.9	83.6

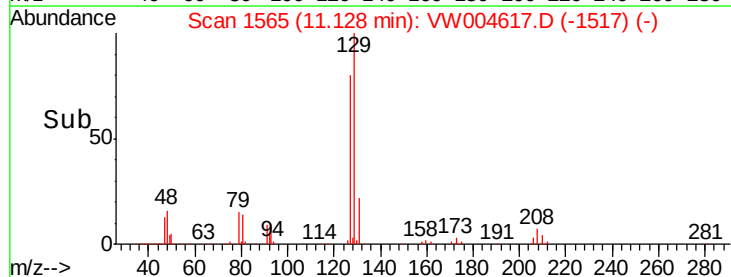
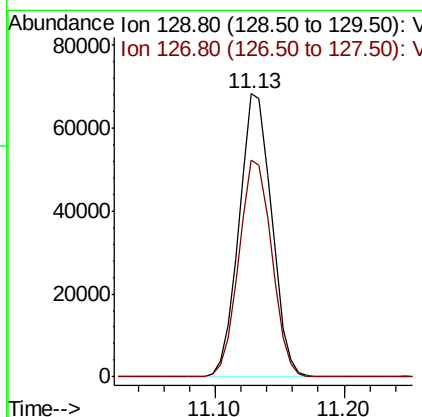
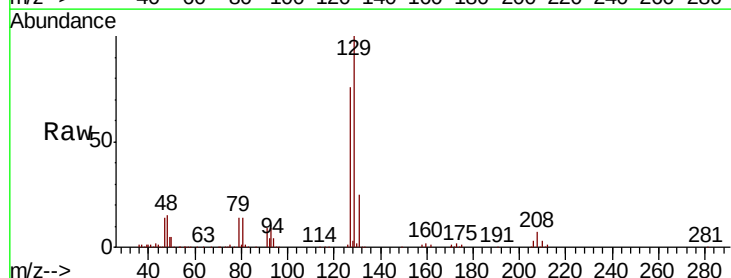
Manual Integrations
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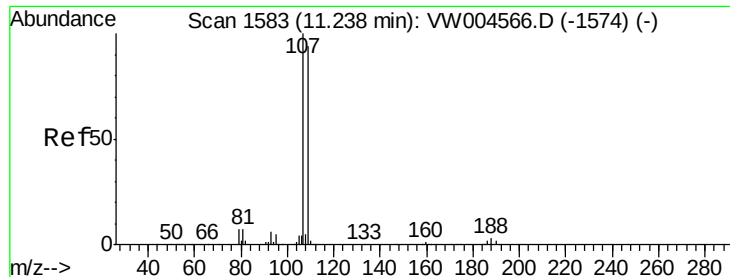
apatel
8/13/2018 1:00:31 PM



#60
Dibromochloromethane
Concen: 19.74 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8





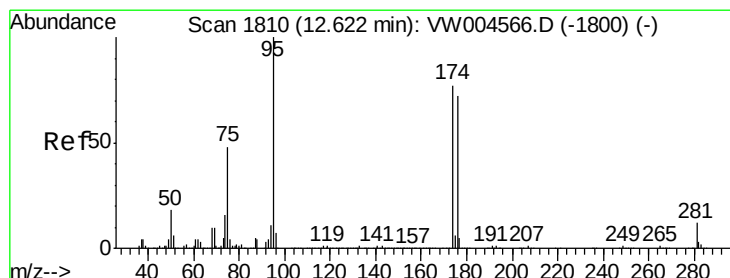
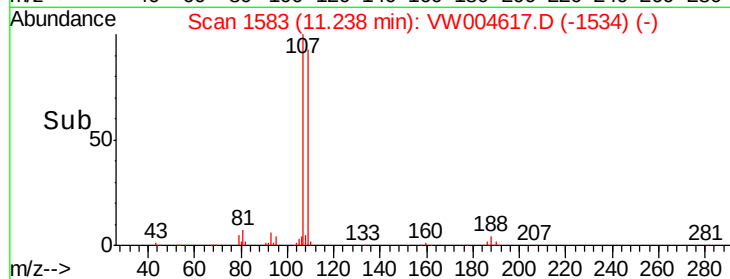
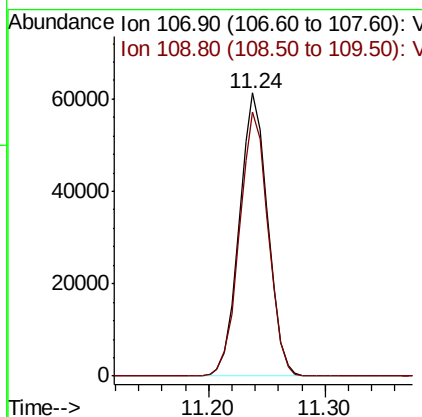
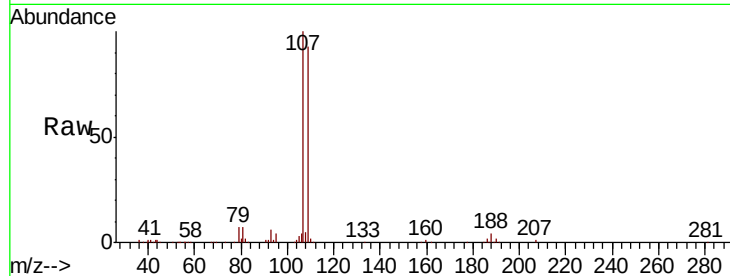
#61
 1,2-Dibromoethane
 Concen: 19.96 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5

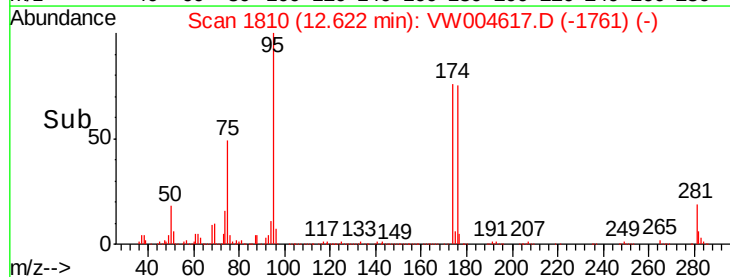
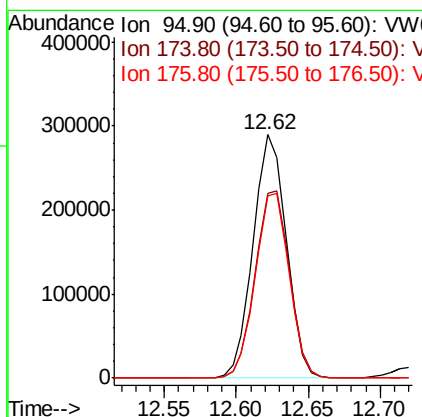
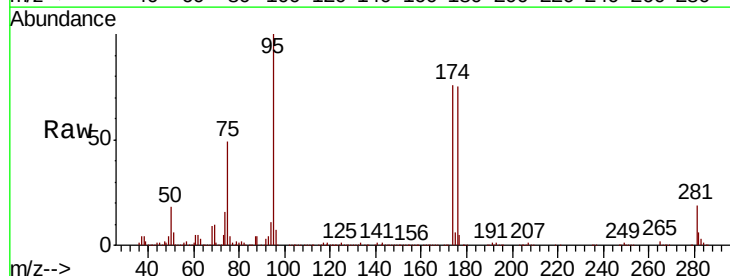
Manual Integrations
 APPROVED

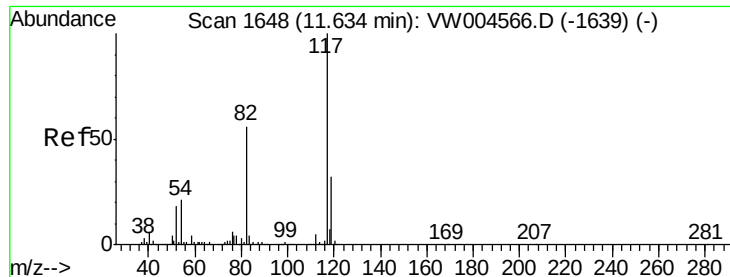
apatel
 8/13/2018 1:00:31 PM



#62
 4-Bromofluorobenzene
 Concen: 52.47 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	160.4
176	77.3	0.0	153.2





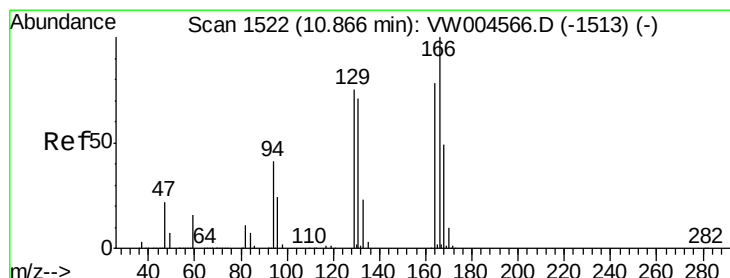
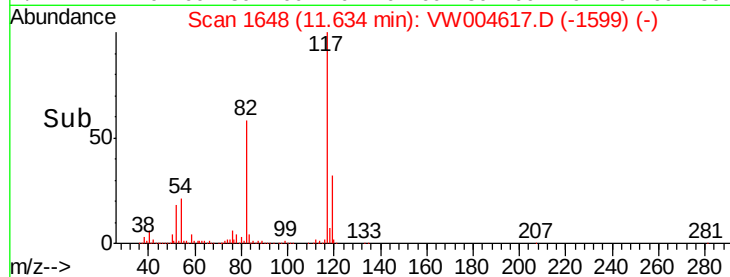
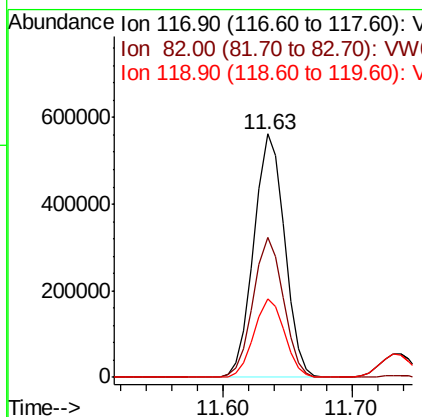
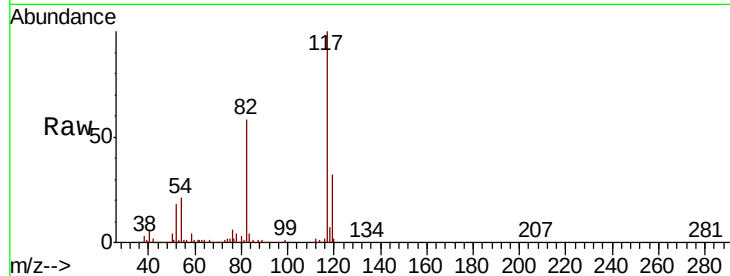
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.3	67.9
119	32.0	26.2	39.4

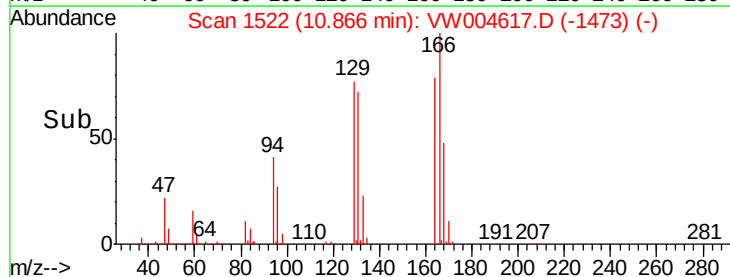
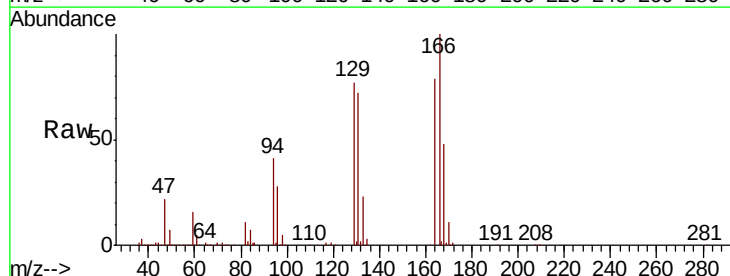
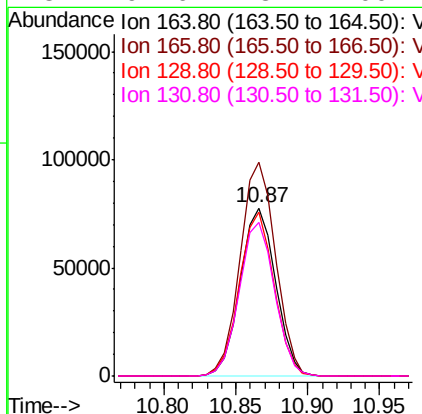
Manual Integrations
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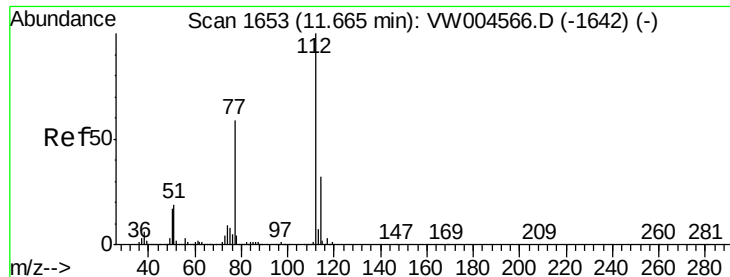
apatel
8/13/2018 1:00:31 PM



#64
Tetrachloroethene
Concen: 20.45 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.4	147.6
129	97.3	73.6	110.4
131	91.6	73.1	109.7





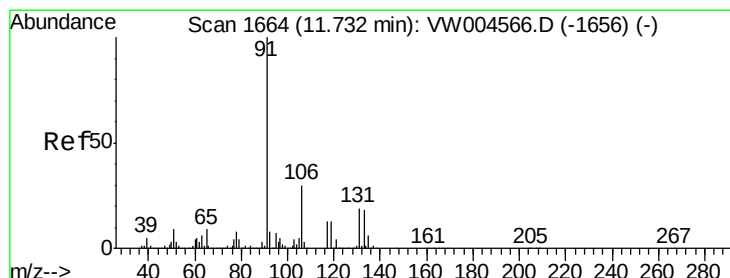
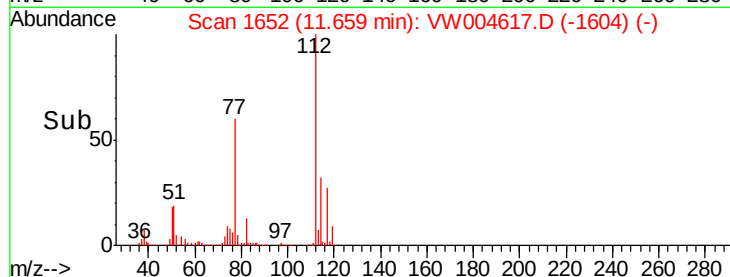
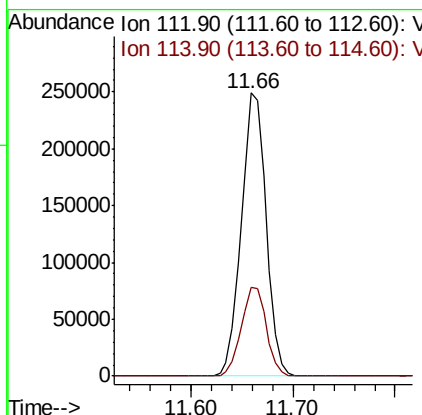
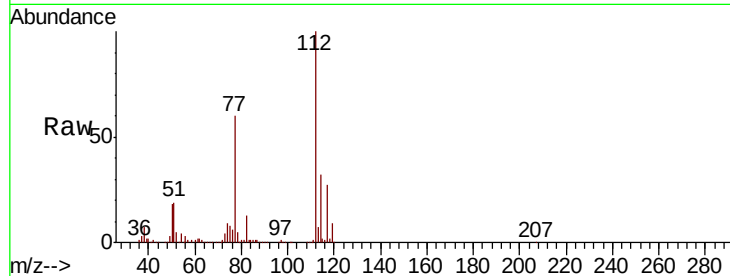
#65
Chlorobenzene
Concen: 20.45 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0

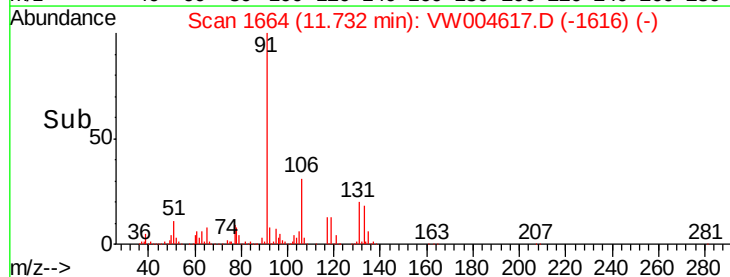
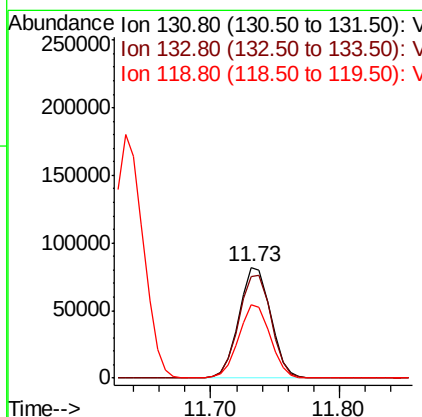
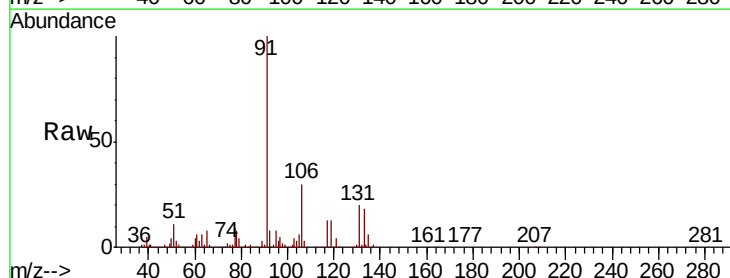
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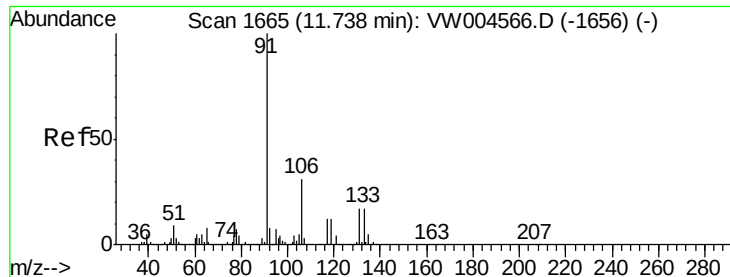
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.08 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.1	144.4
119	66.3	33.9	101.7





#67

Ethyl Benzene

Concen: 20.13 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampled :

VW0813SBS02

Tot Ion: 91 Resp: 697995

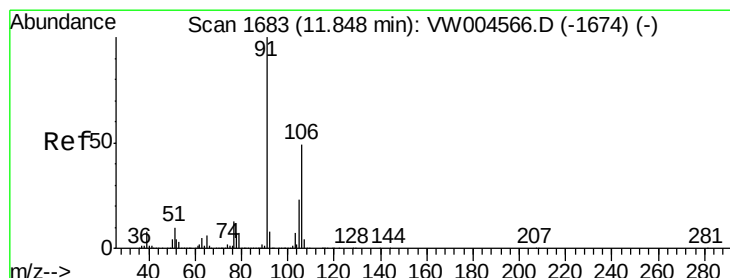
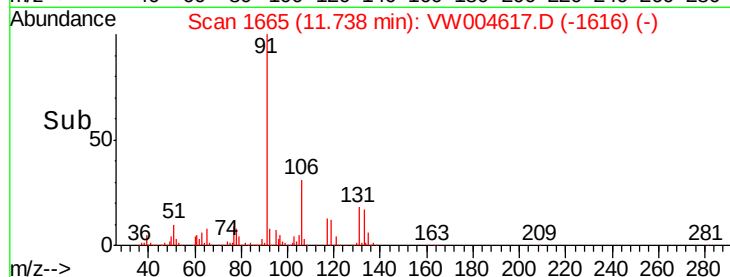
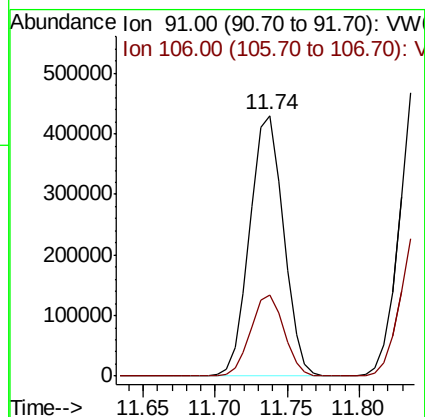
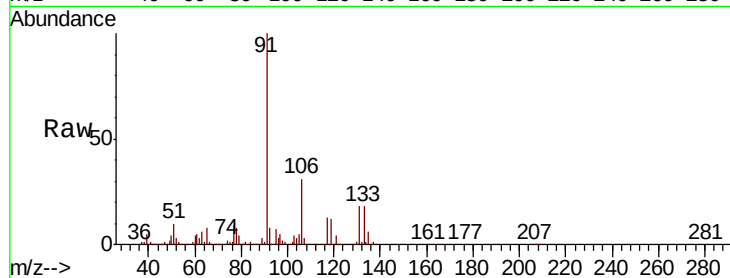
Ion Ratio Lower Upper

91 100

106 31.2 24.2 36.2

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#68

m/p-Xylenes

Concen: 41.06 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004617.D

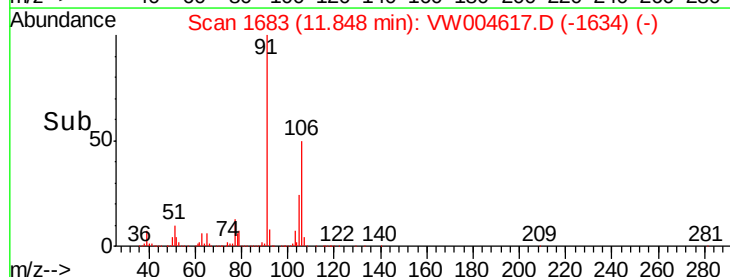
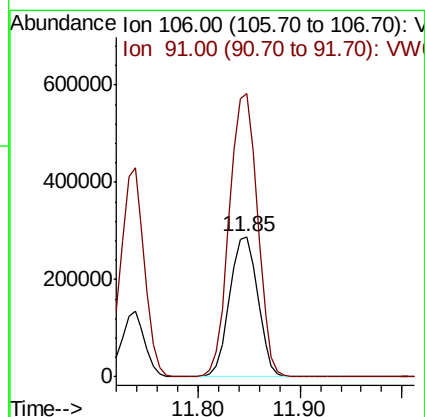
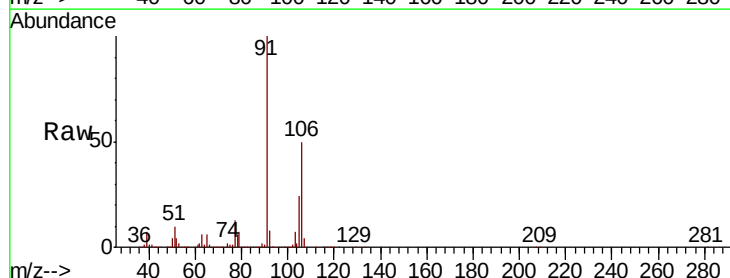
Acq: 11 Aug 2018 01:34

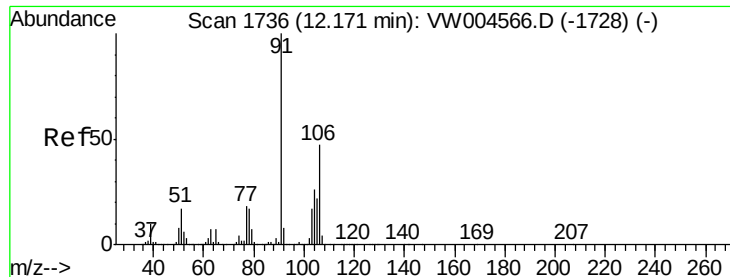
Tgt Ion: 106 Resp: 550302

Ion Ratio Lower Upper

106 100

91 202.1 162.8 244.2





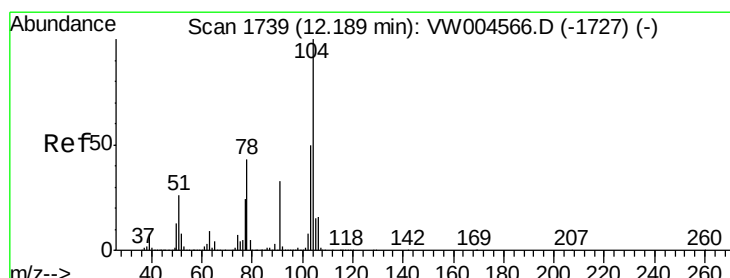
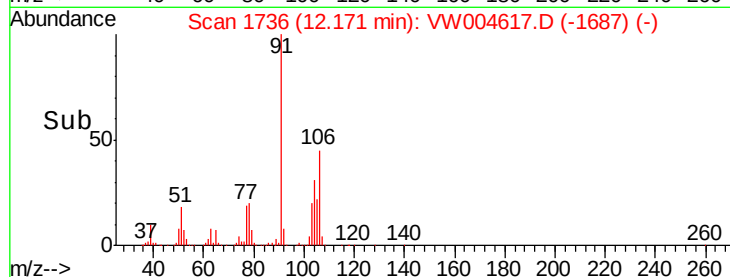
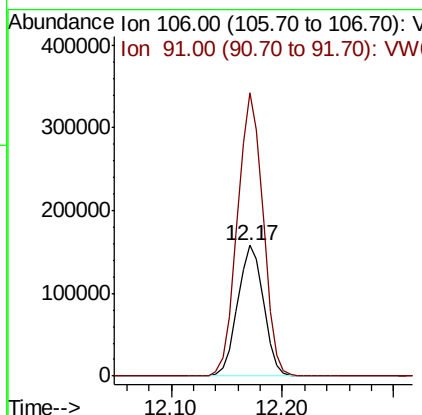
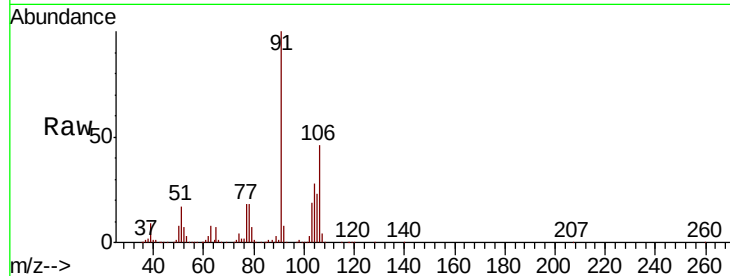
#69
o-Xylene
Concen: 20.40 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		253542		
91	215.3	106.7	320.2		

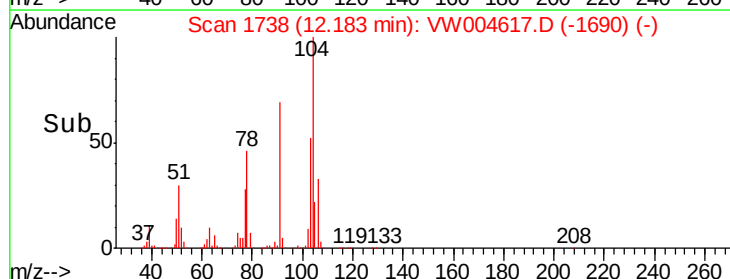
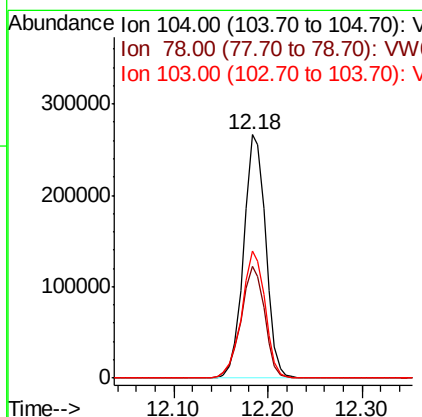
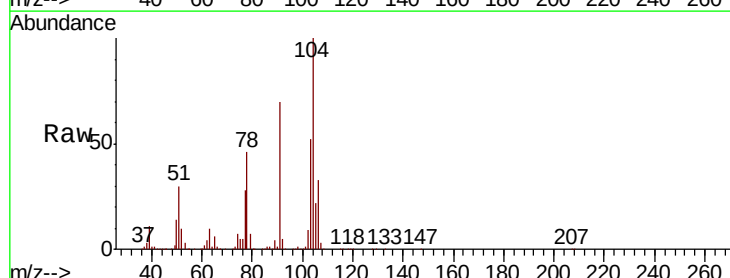
Manual Integrations
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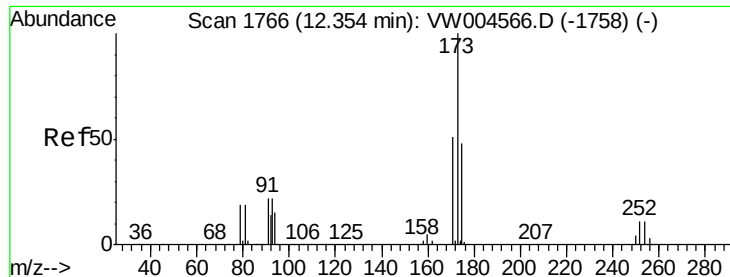
apatel
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#70
Styrene
Concen: 20.76 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		436003		
78	49.2	39.0	58.4		
103	55.3	44.2	66.2		





#71

Bromoform

Concen: 18.80 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

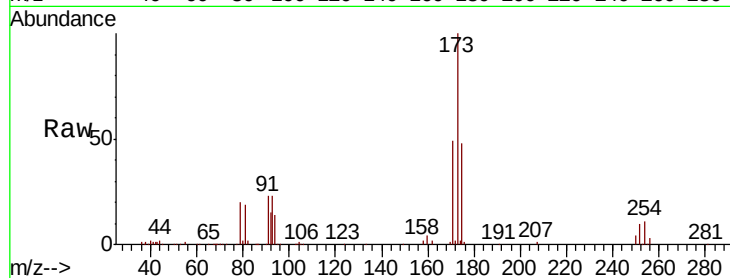
ClientSampleId :

VW0813SBS02

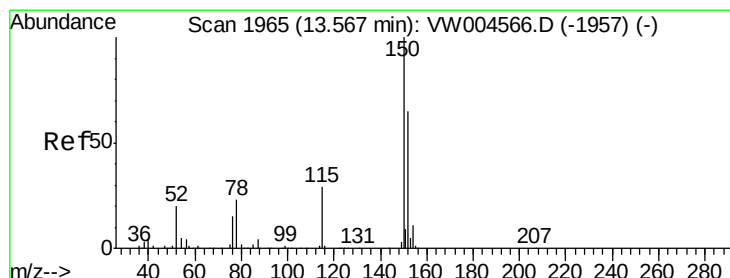
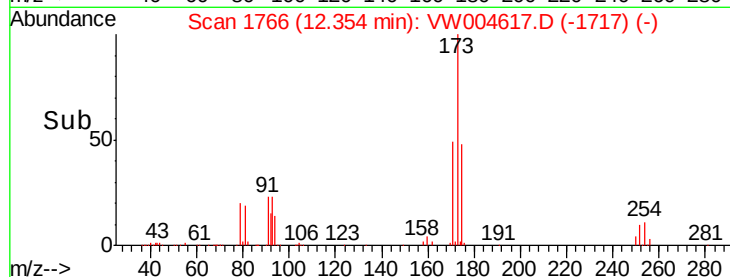
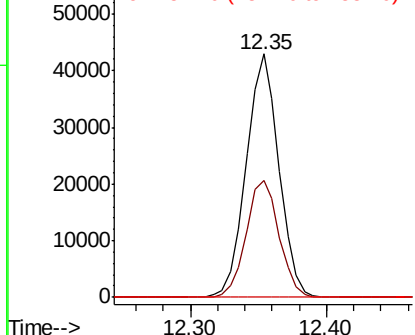
Tot Ion:	173	Resp:	71984
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.5	73.5
254	0.1	0.2	0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

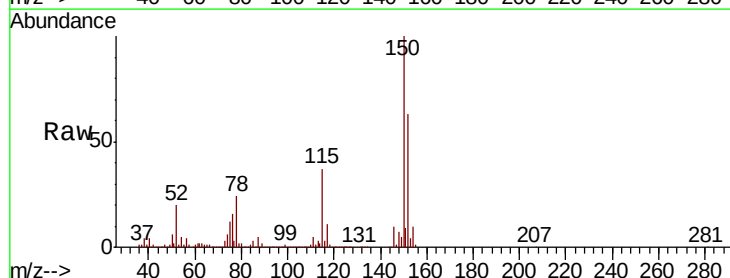
RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

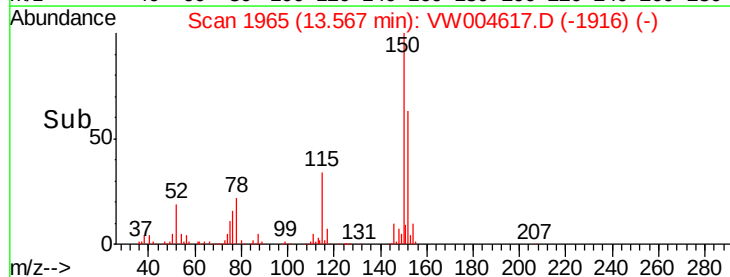
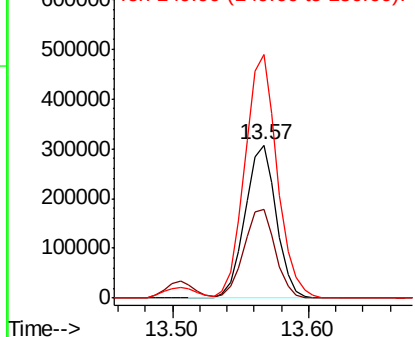
Lab File: VW004617.D

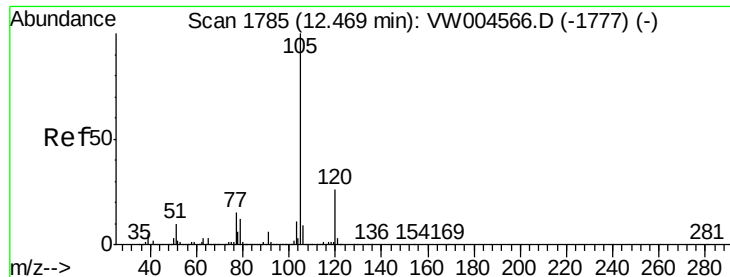
Acq: 11 Aug 2018 01:34

Tgt Ion:	152	Resp:	490174
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.1	87.3
150	165.5	0.0	349.6



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





#73

Isopropylbenzene

Concen: 20.25 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion: 105 Resp: 686673

Ion Ratio Lower Upper

105 100

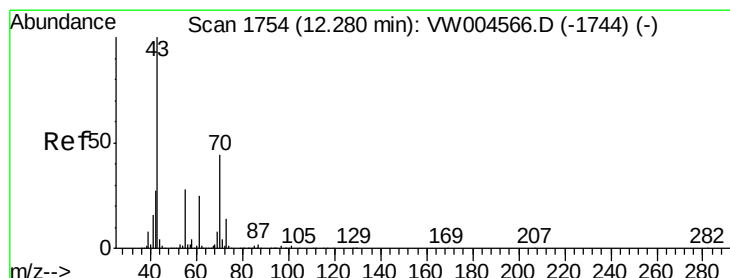
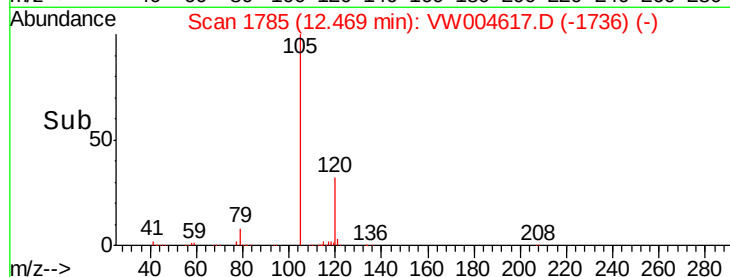
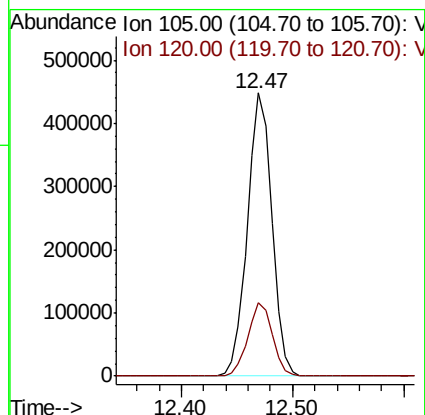
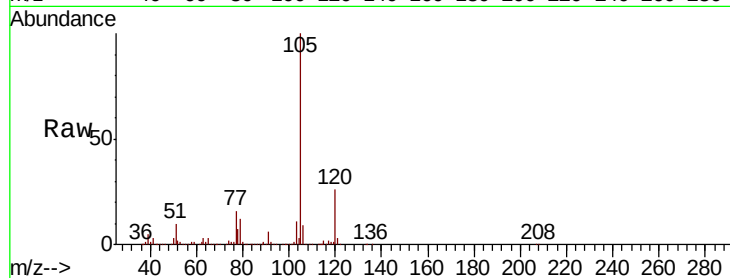
120 26.0 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.04 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion: 43 Resp: 148315

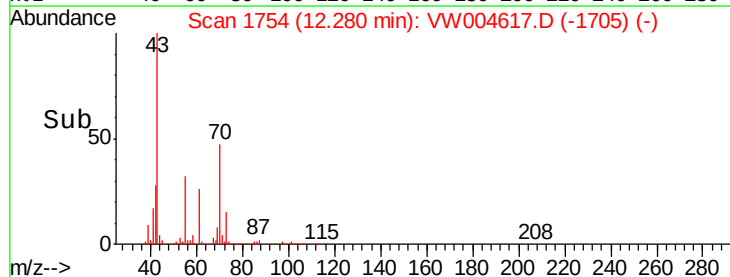
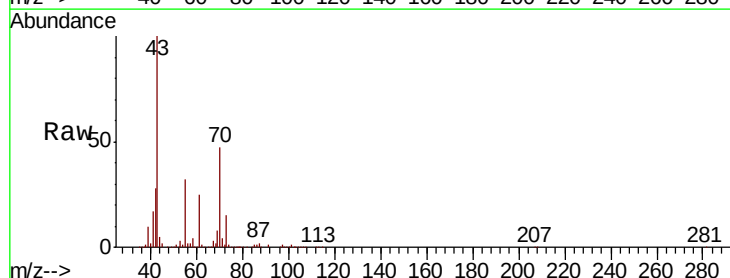
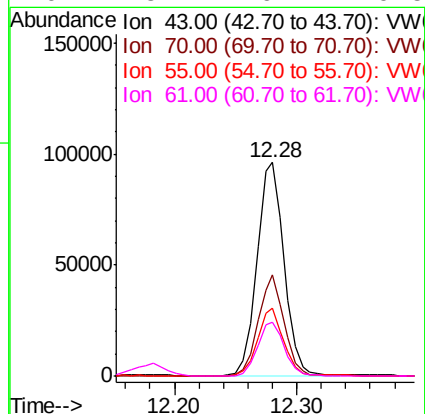
Ion Ratio Lower Upper

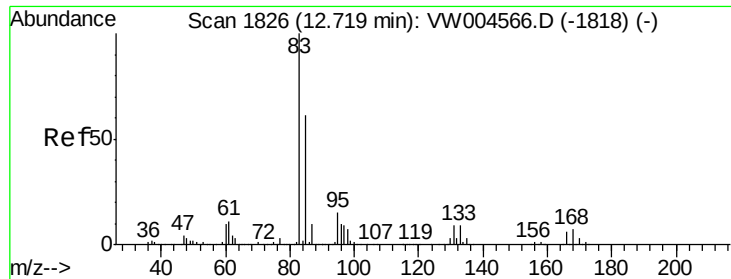
43 100

70 45.7 35.3 52.9

55 31.3 22.9 34.3

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

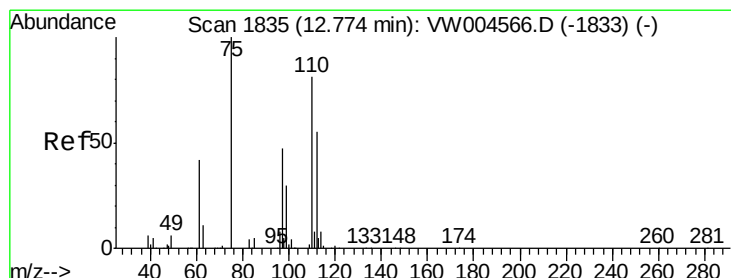
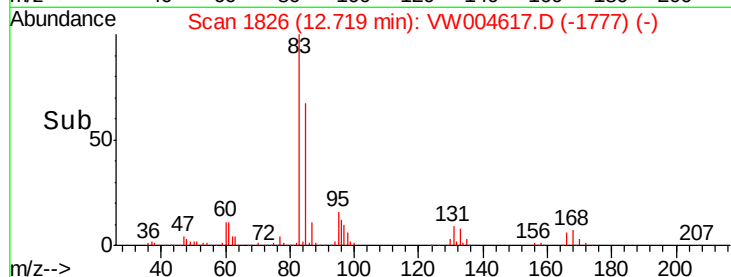
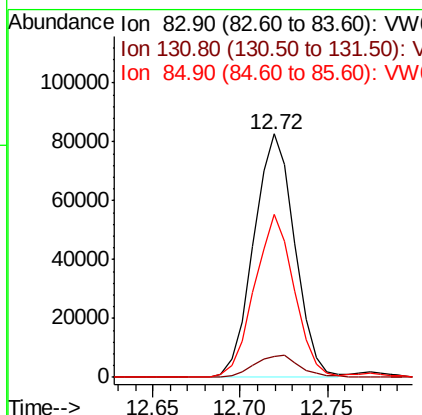
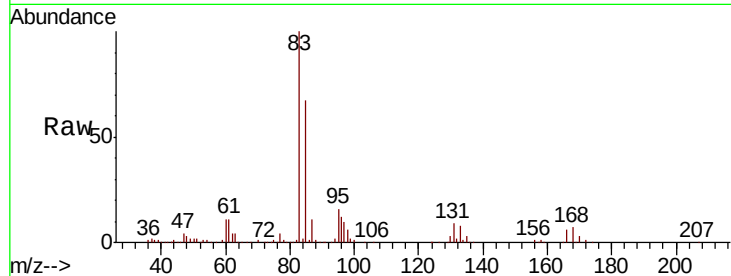
ClientSampleId :

VW0813SBS02

Tot Ion:	83	Resp:	135660
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	64.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.42 ug/l m

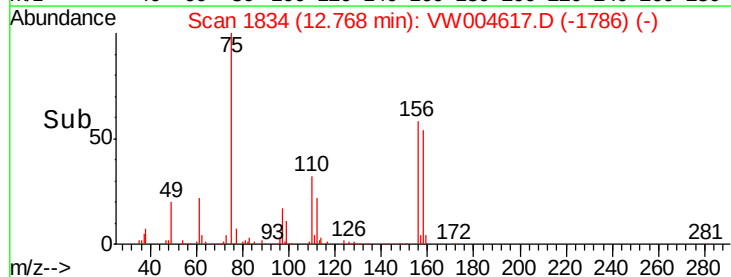
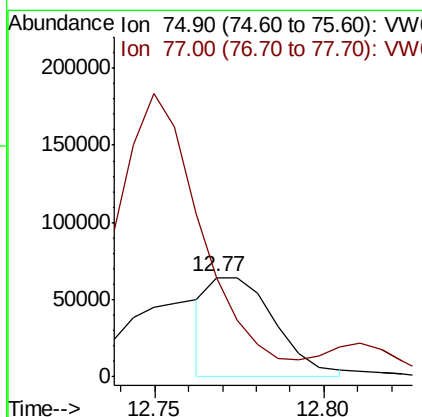
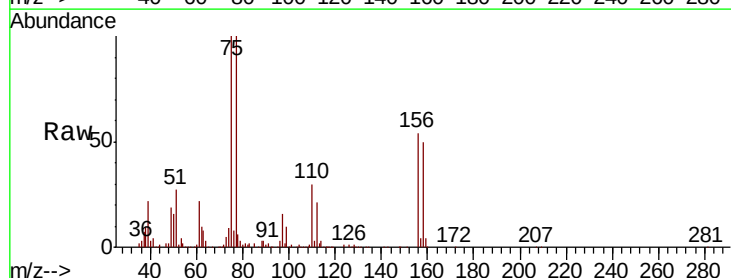
RT: 12.77 min Scan# 1834

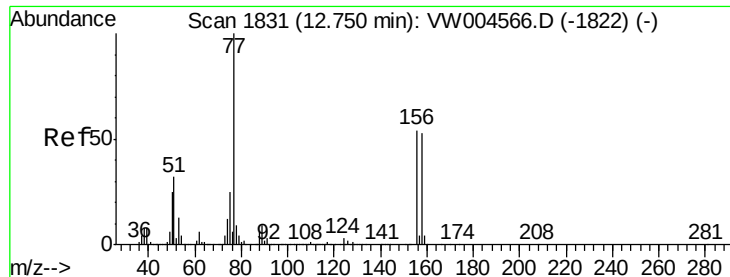
Delta R.T. -0.01 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Tgt Ion:	75	Resp:	88374
Ion Ratio	Lower	Upper	
75	100		
77	370.9	0.0	0.0#





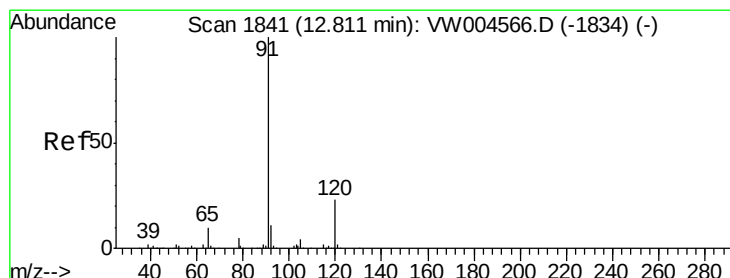
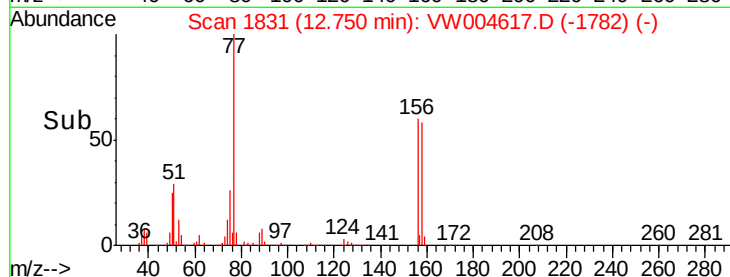
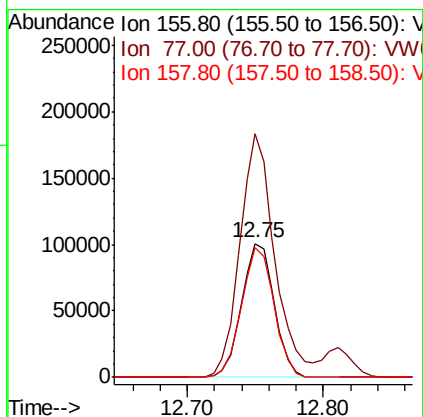
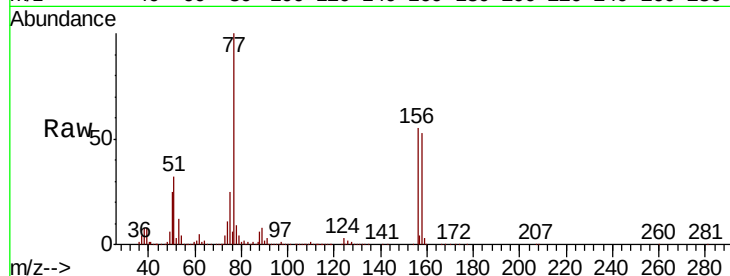
#77
Bromobenzene
Concen: 20.62 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.7	98.7	296.1
158	96.6	48.7	146.1

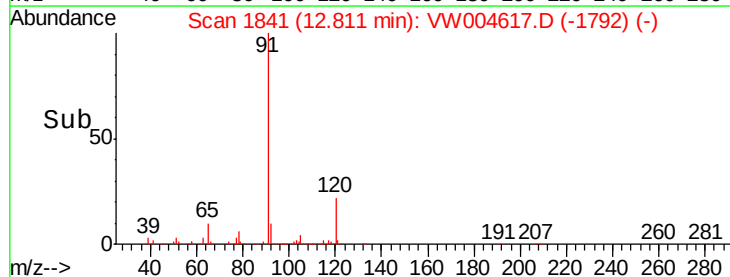
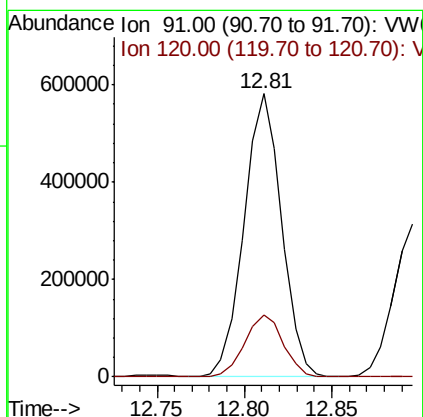
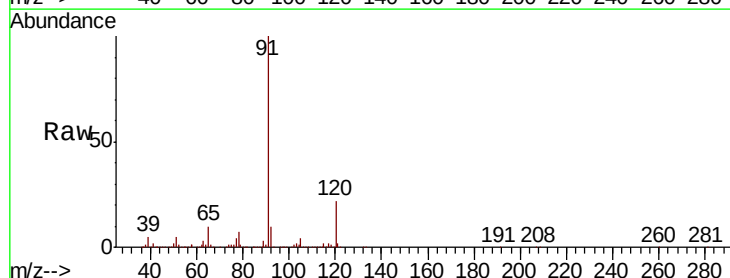
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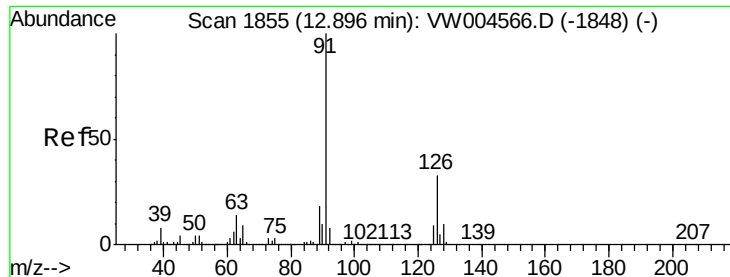
apatel
8/13/2018 1:00:31 PM



#78
n-propylbenzene
Concen: 20.70 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.80 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBSD02

Tot Ion: 91 Resp: 503490

Ion Ratio Lower Upper

91 100

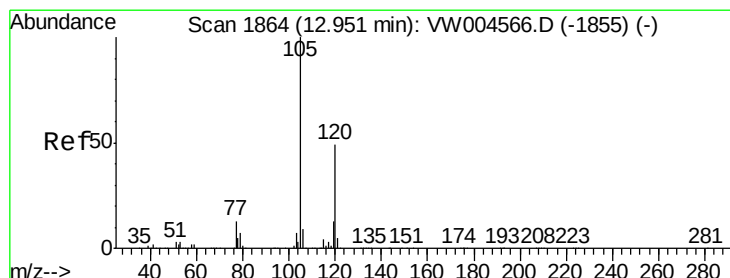
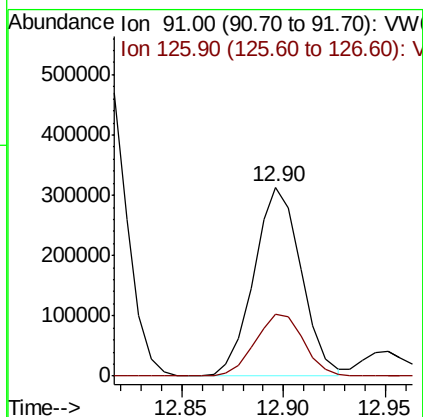
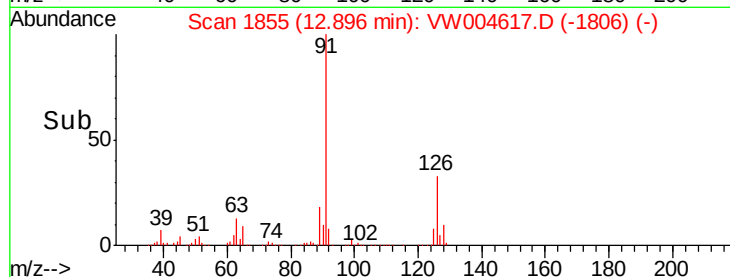
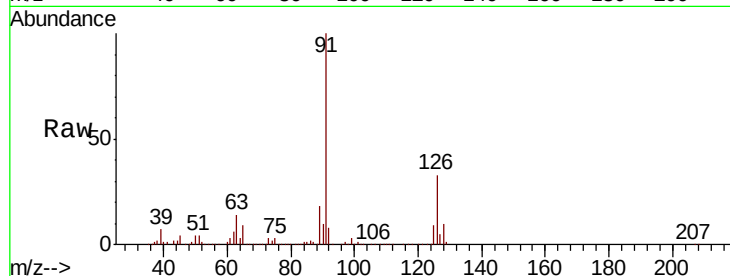
126 33.8 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.98 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004617.D

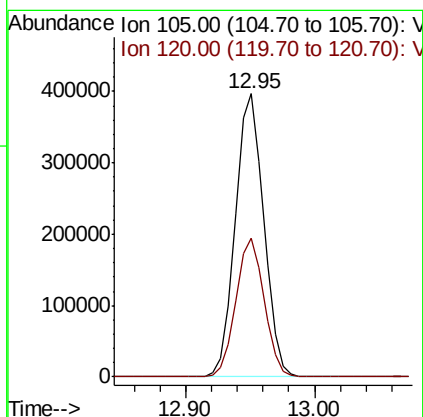
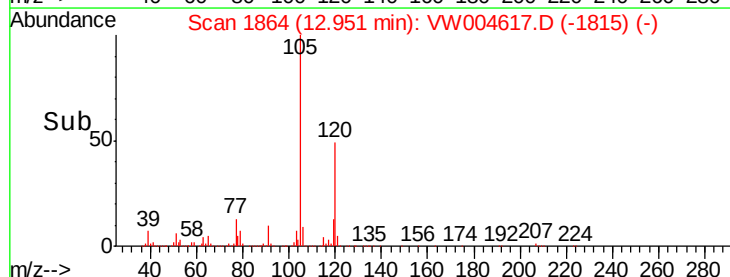
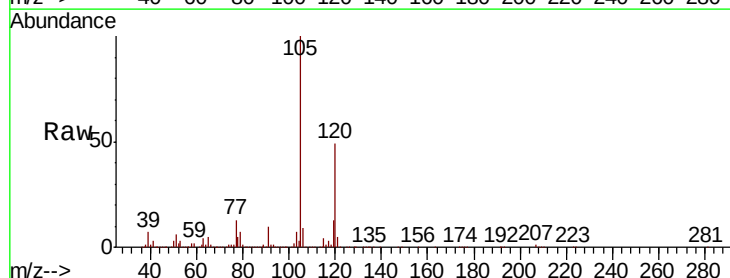
Acq: 11 Aug 2018 01:34

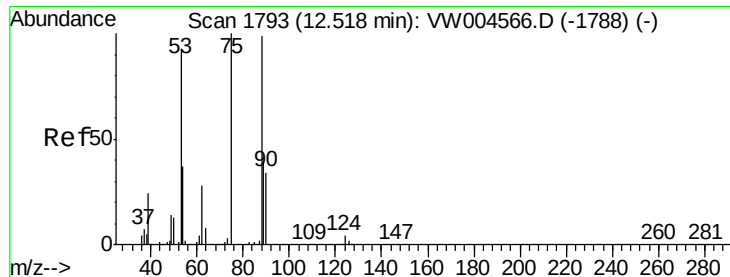
Tgt Ion: 105 Resp: 606810

Ion Ratio Lower Upper

105 100

120 48.8 24.6 73.8





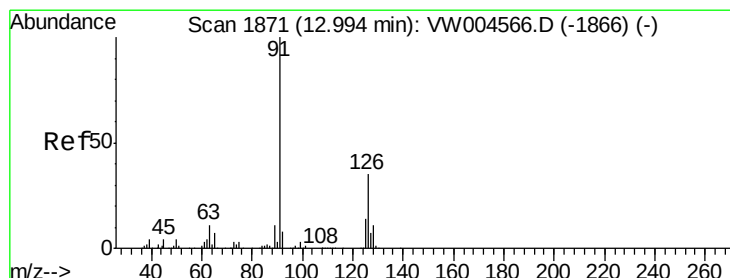
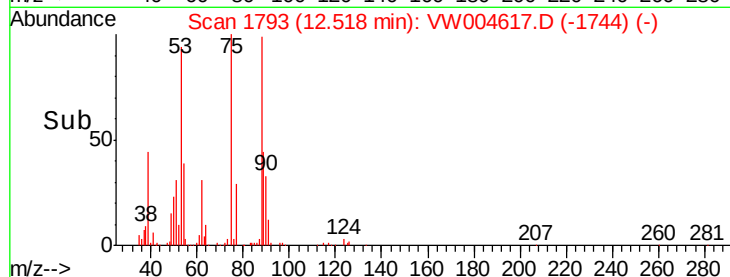
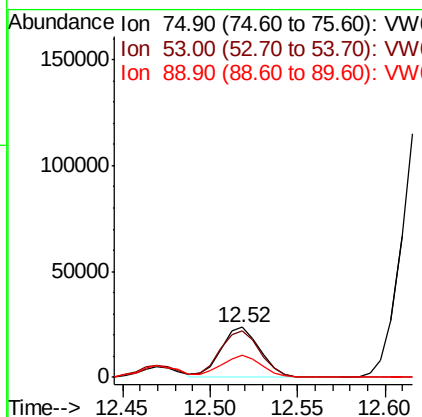
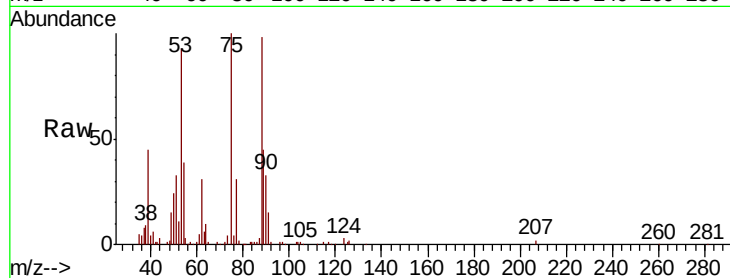
#81
trans-1,4-Dichloro-2-butene
Concen: 17.42 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	74.4	111.6
89	43.7	35.9	53.9

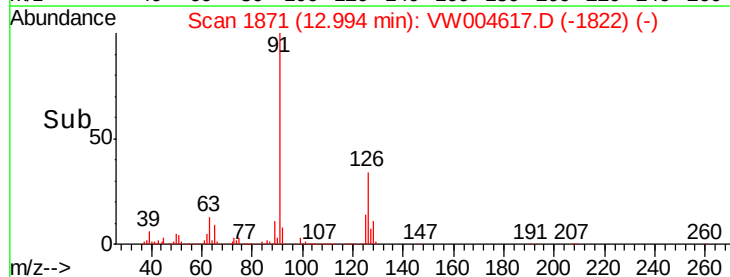
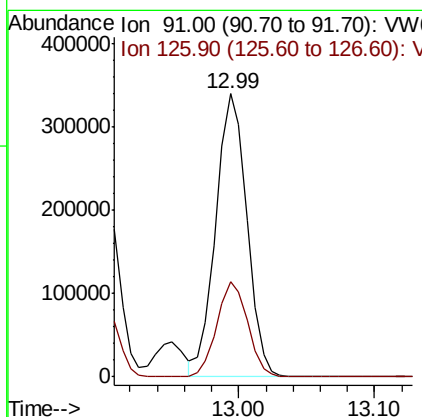
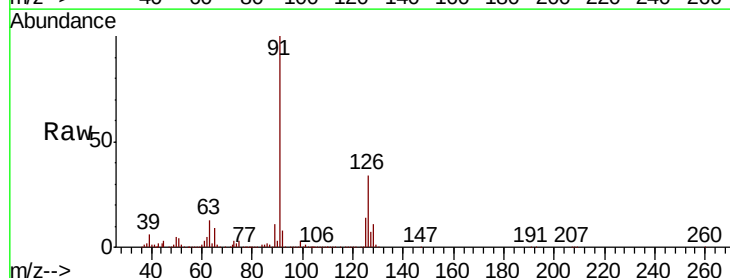
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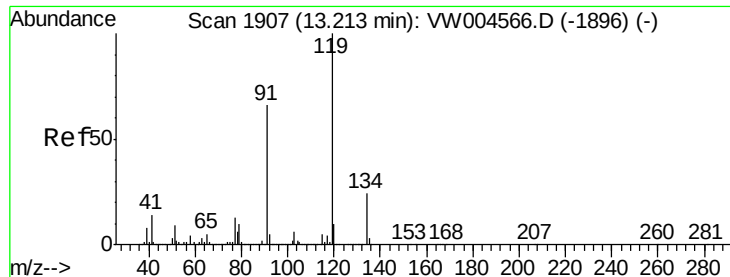
apatel
8/13/2018 1:00:31 PM



#82
4-Chlorotoluene
Concen: 20.96 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.5	49.5





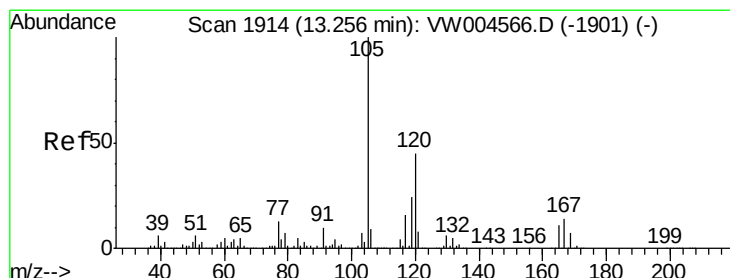
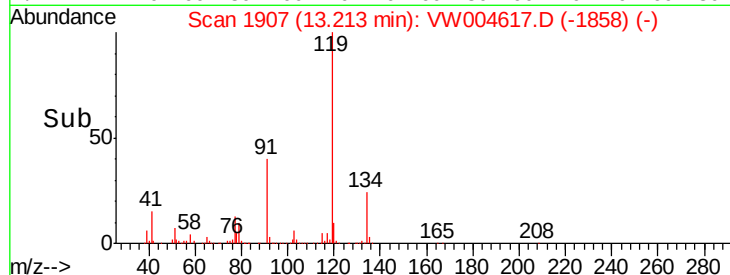
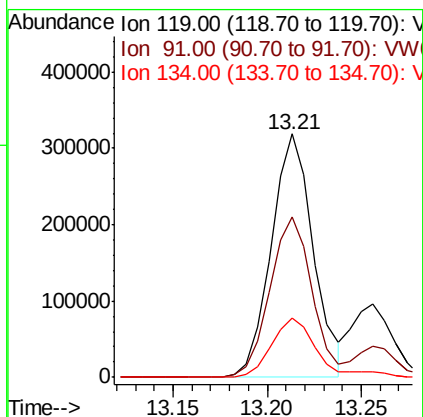
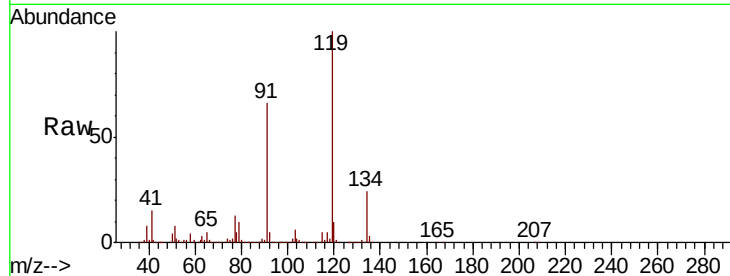
#83
 tert-Butylbenzene
 Concen: 20.35 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.3	99.8
134	26.5	12.2	36.6

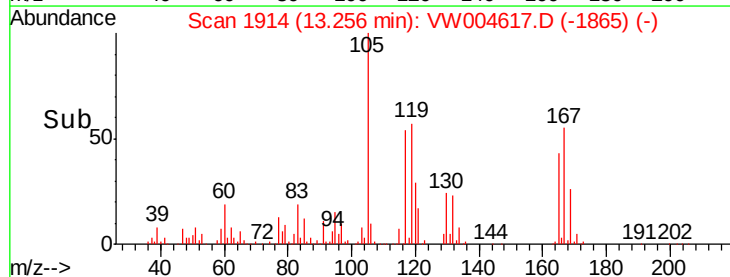
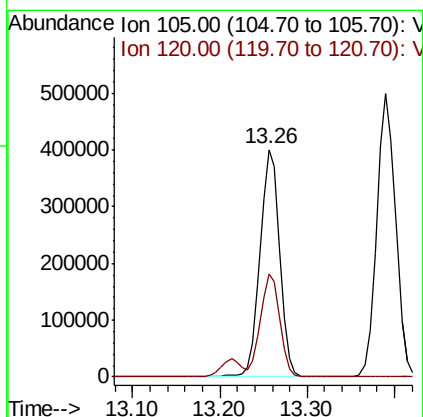
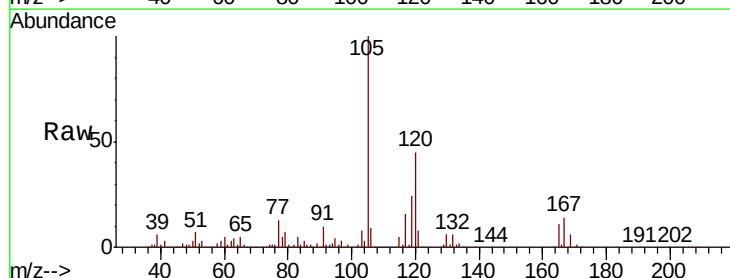
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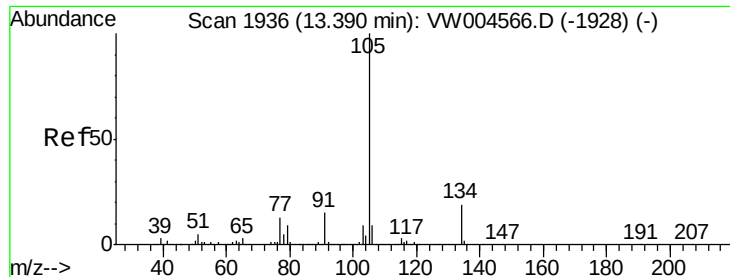
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.99 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 20.30 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0813SBS02

Tot Ion:105 Resp: 742781

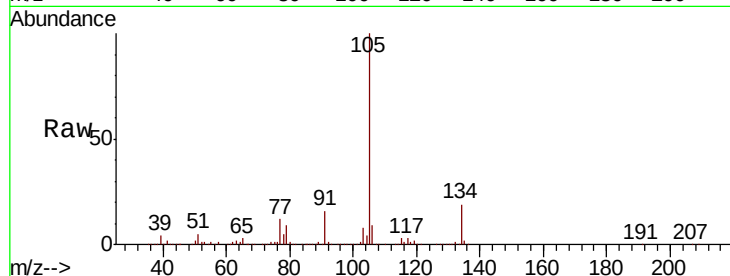
Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5

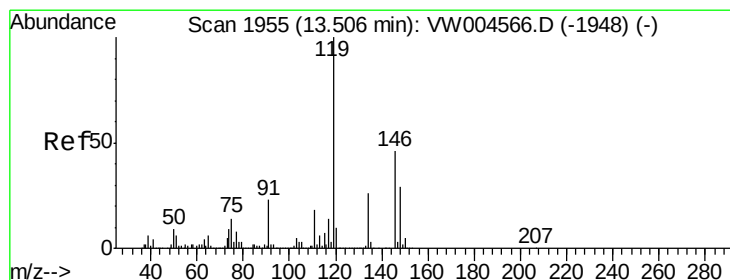
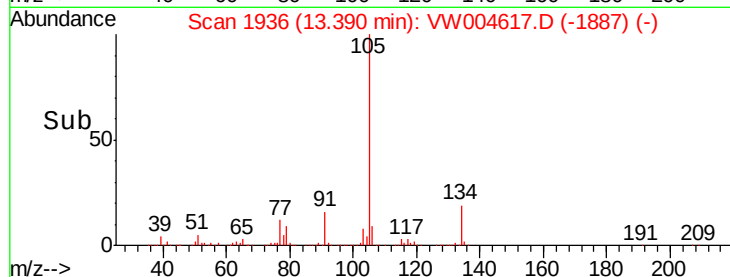
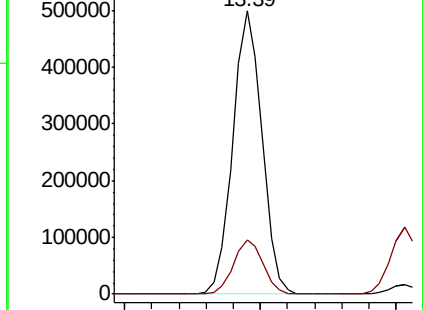
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.55 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004617.D

Acq: 11 Aug 2018 01:34

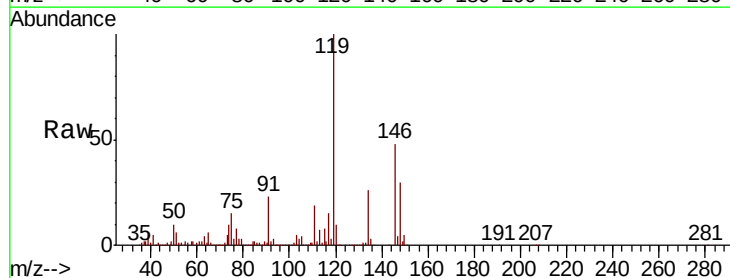
Tgt Ion:119 Resp: 651863

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

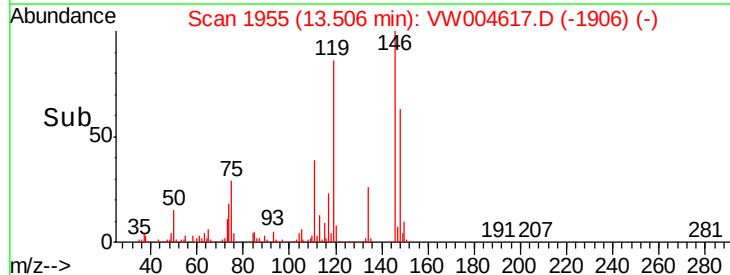
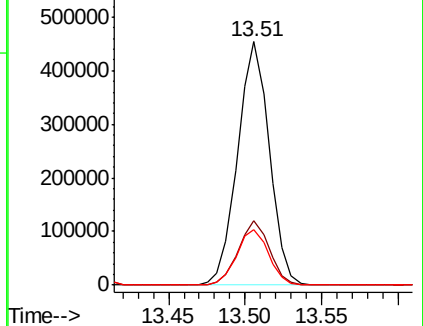
91 23.1 11.4 34.1

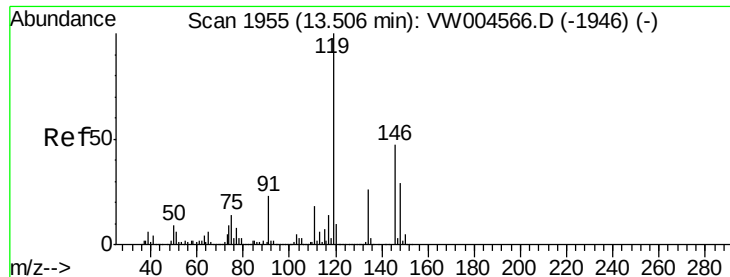


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





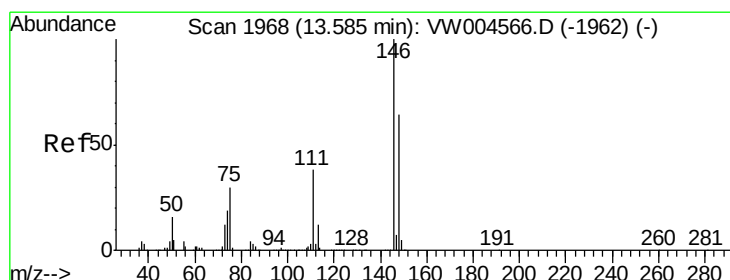
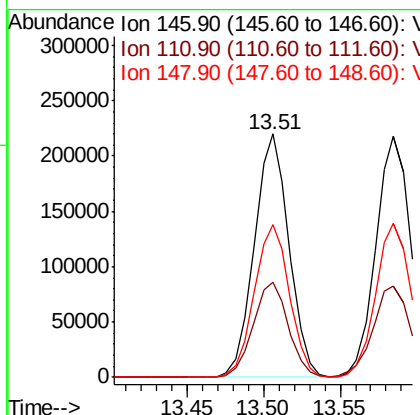
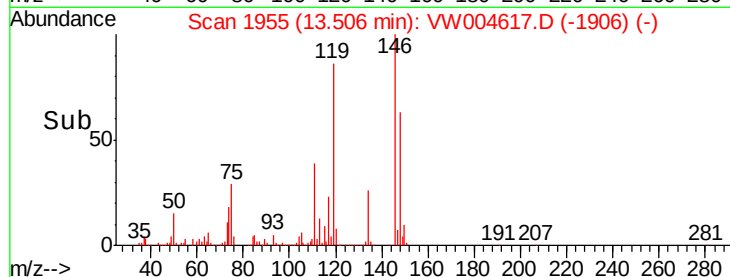
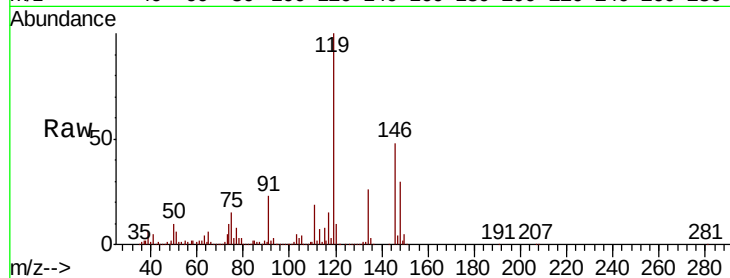
#87
 1,3-Dichlorobenzene
 Concen: 20.51 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.7	31.7	95.1

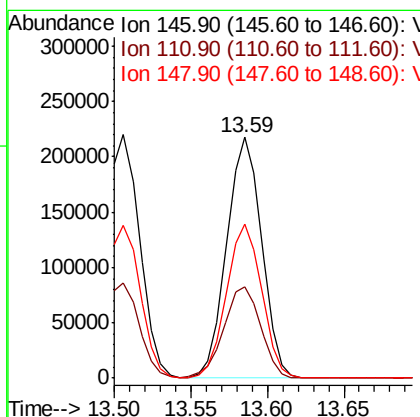
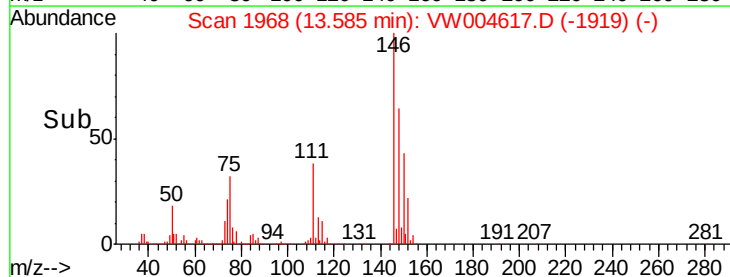
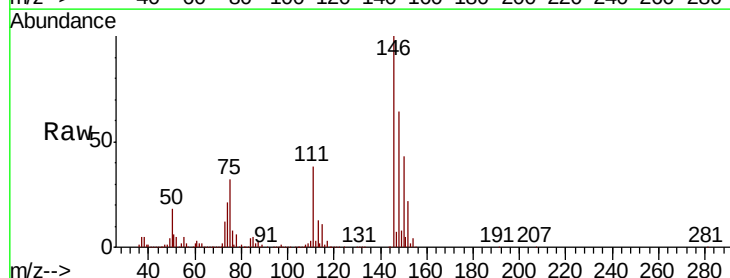
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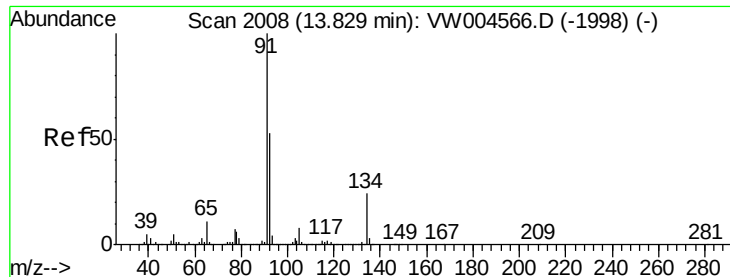
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.52 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.4	31.9	95.5





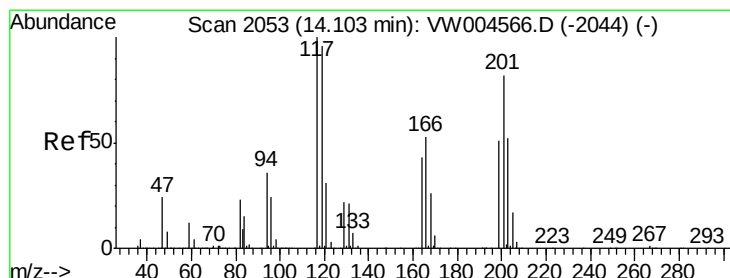
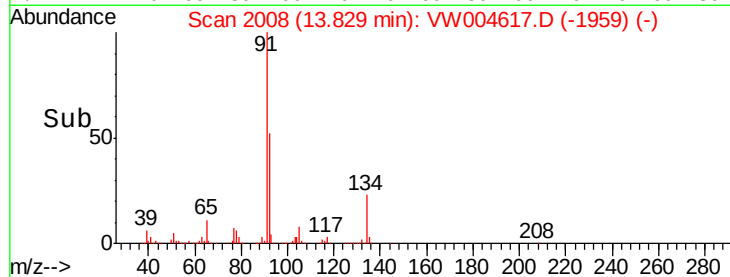
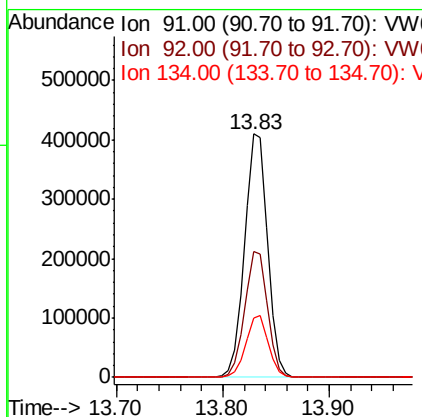
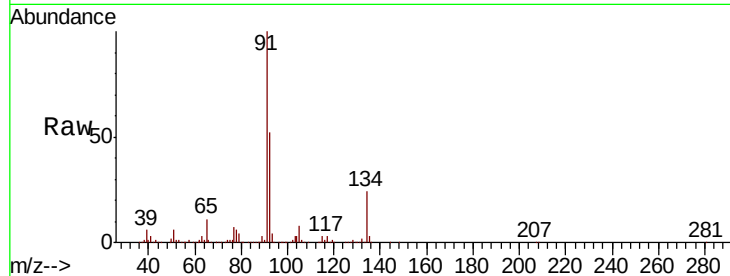
#89
n-Butylbenzene
Concen: 19.95 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.4	79.0
134	24.7	12.4	37.2

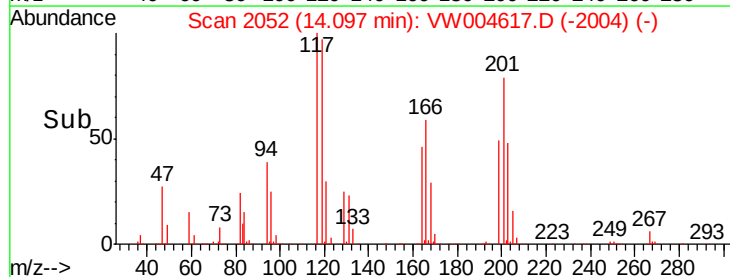
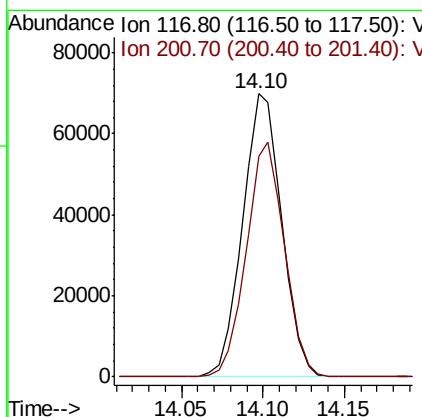
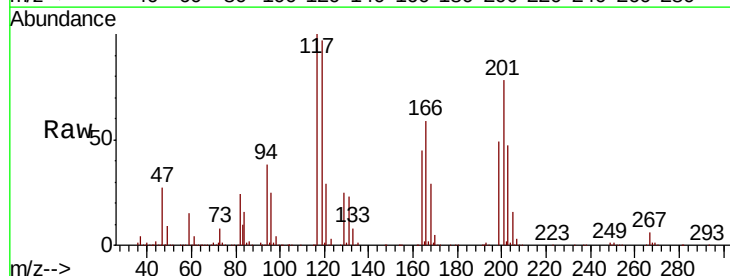
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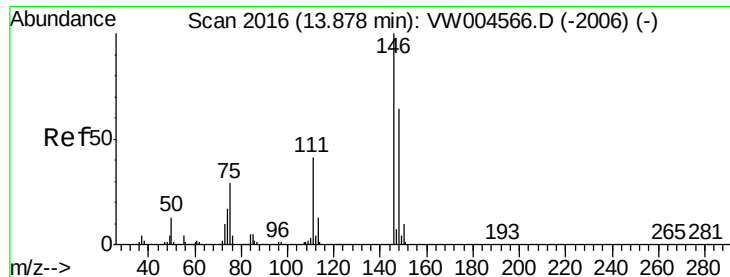
apatel
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#90
Hexachloroethane
Concen: 19.83 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	40.1	120.3





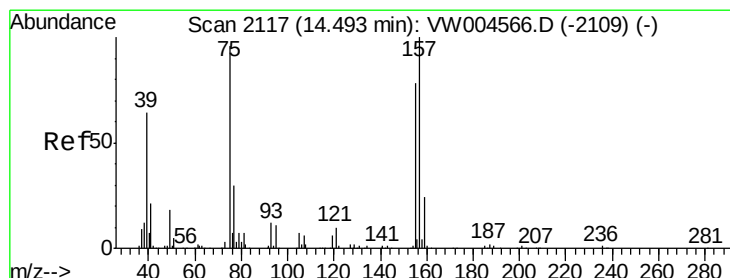
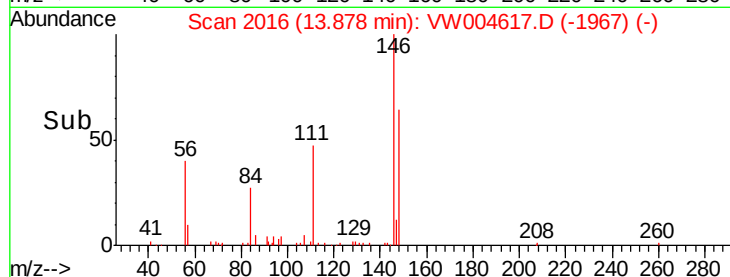
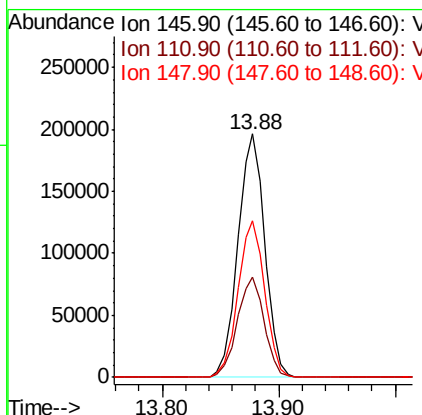
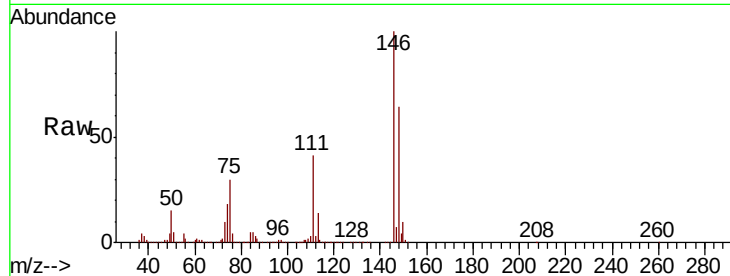
#91
 1,2-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0813SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	314819		
111	41.3	20.8	62.2	
148	64.1	31.8	95.4	

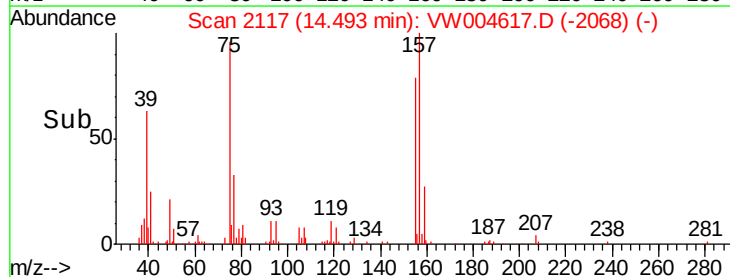
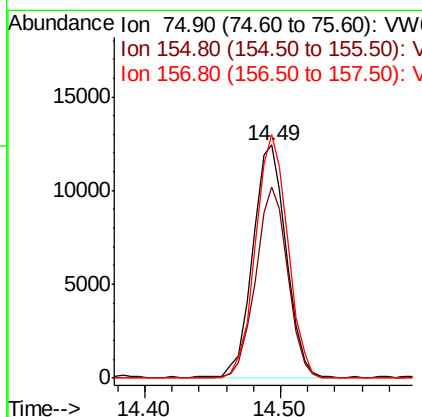
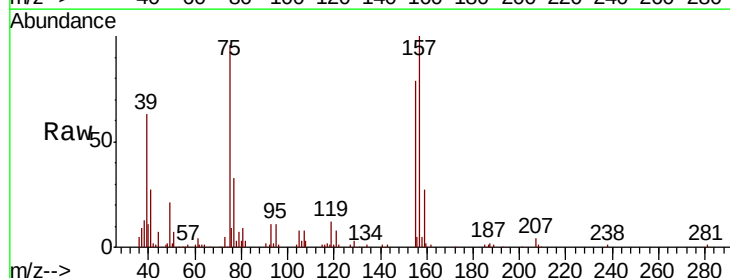
Manual Integrations
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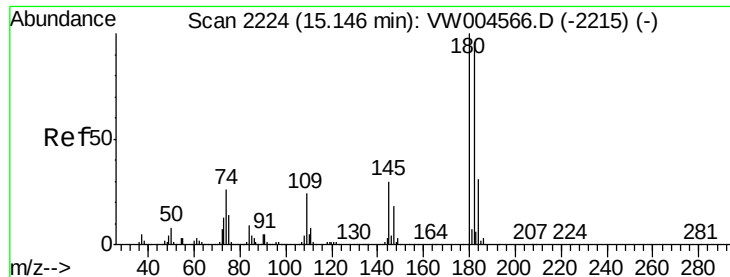
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.61 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21526		
155	78.1	41.3	123.7	
157	100.3	52.6	157.8	





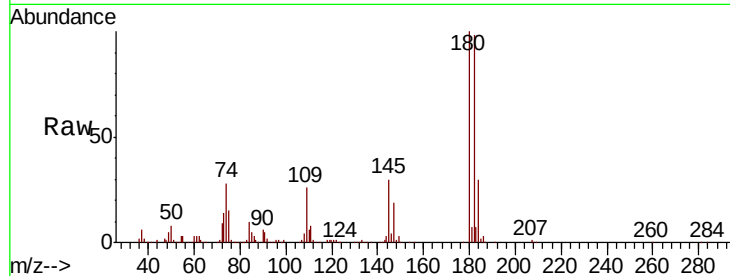
#93
 1,2,4-Trichlorobenzene
 Concen: 20.35 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0813SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216010		
182	95.8	47.9	143.6	
145	30.0	14.9	44.9	

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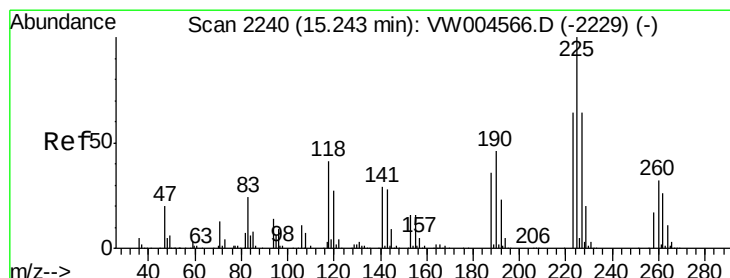
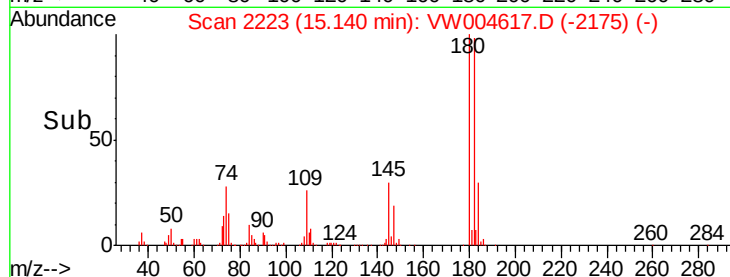
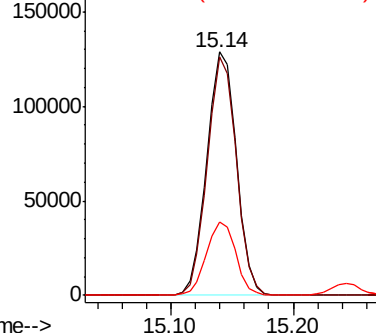


Abundance

Ion 179.80 (179.50 to 180.50): V

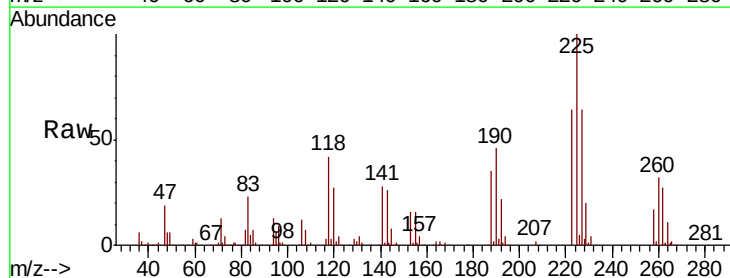
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.45 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004617.D
 Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126395		
223	62.3	31.3	93.8	
227	63.3	31.8	95.4	

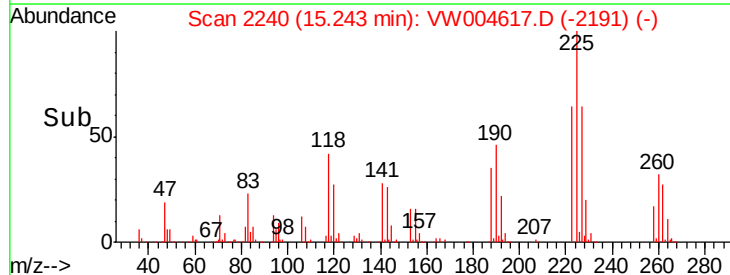
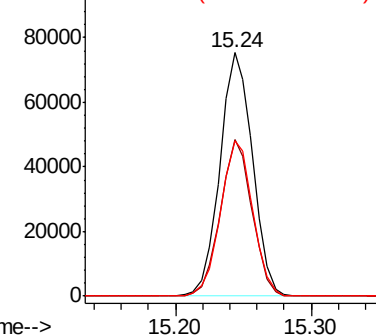


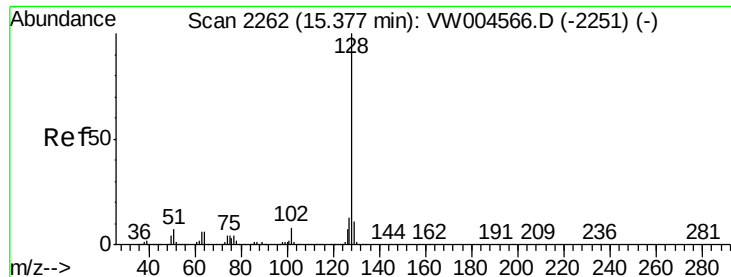
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





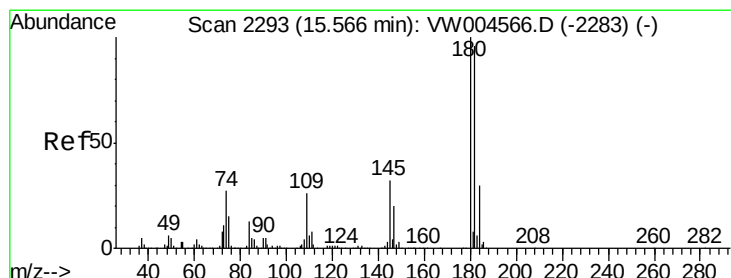
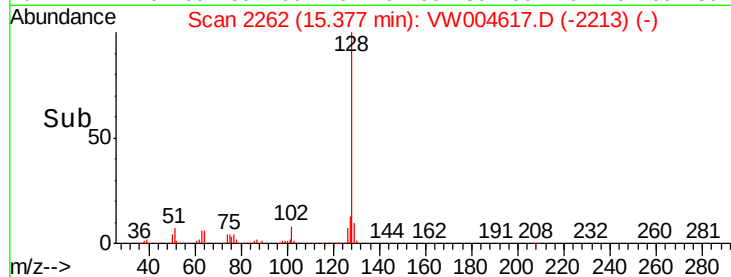
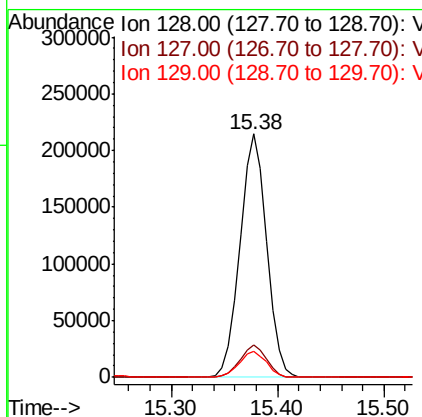
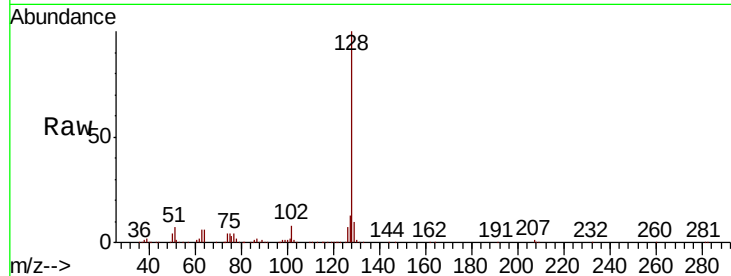
#95
Naphthalene
Concen: 19.17 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0813SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	378180		
127	13.2	10.3	15.5	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/13/2018 1:00:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.54 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004617.D
Acq: 11 Aug 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	195972		
182	95.1	47.0	141.2	
145	31.8	15.9	47.6	

