

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070718\
 Data File : VW003749.D
 Acq On : 06 Jul 2018 23:40
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 7/9/2018 9:50:50 AM

Quant Time: Jul 07 04:04:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 03:50:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	345015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	55291	21.02	ug/l	0.00
Spiked Amount			Recovery	=	42.04%	
35) Dibromofluoromethane	7.88	113	47320	20.83	ug/l	0.00
Spiked Amount			Recovery	=	41.66%	
50) Toluene-d8	10.33	98	183744	20.65	ug/l	0.00
Spiked Amount			Recovery	=	41.30%	
62) 4-Bromofluorobenzene	12.62	95	67094	20.98	ug/l	0.00
Spiked Amount			Recovery	=	41.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	21383	20.50	ug/l	93
3) Chloromethane	2.20	50	43447	24.86	ug/l	96
4) Vinyl Chloride	2.36	62	58112	24.43	ug/l	98
5) Bromomethane	2.78	94	39630	25.04	ug/l	99
6) Chloroethane	2.91	64	34524	24.16	ug/l	96
7) Trichlorofluoromethane	3.24	101	22159	18.18	ug/l	96
8) Diethyl Ether	3.67	74	25585	22.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	46257	22.06	ug/l	99
10) Methyl Iodide	4.26	142	65706	21.37	ug/l	98
11) Tert butyl alcohol	5.23	59	15557	96.25	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	44980	21.59	ug/l	99
13) Acrolein	3.89	56	22228	211.69	ug/l	100
14) Allyl chloride	4.65	41	74455	20.87	ug/l	99
15) Acrylonitrile	5.38	53	56200	102.27	ug/l	99
16) Acetone	4.14	43	48974	80.21	ug/l	98
17) Carbon Disulfide	4.37	76	144718	23.13	ug/l	98
18) Methyl Acetate	4.68	43	28289	18.66	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	84774	20.51	ug/l	100
20) Methylene Chloride	4.90	84	57080	20.19	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	50341	21.93	ug/l	96
22) Diisopropyl ether	6.31	45	161711	21.85	ug/l	99
23) Vinyl Acetate	6.26	43	485389	107.62	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95480	21.71	ug/l	99
25) 2-Butanone	7.18	43	75244	93.99	ug/l	97
26) 2,2-Dichloropropane	7.16	77	52900	19.97	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	54625	21.78	ug/l	98
28) Bromochloromethane	7.51	49	43643	22.71	ug/l	99
29) Tetrahydrofuran	7.54	42	49001	100.96	ug/l	98
30) Chloroform	7.68	83	98114	22.03	ug/l	98
31) Cyclohexane	7.95	56	83546	21.00	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	75441	21.83	ug/l	98
36) 1,1-Dichloropropene	8.08	75	77411	22.16	ug/l	100
37) Ethyl Acetate	7.26	43	35587	20.75	ug/l	99
38) Carbon Tetrachloride	8.07	117	73204	22.04	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83916	20.98	ug/l	99
40) Benzene	8.32	78	217774	22.11	ug/l	100
41) Methacrylonitrile	7.49	41	21587	22.06	ug/l	94
42) 1,2-Dichloroethane	8.40	62	69691	22.32	ug/l	99
43) Isopropyl Acetate	8.43	43	66889	20.62	ug/l	99
44) Trichloroethene	9.09	130	54999	21.64	ug/l	95
45) 1,2-Dichloropropane	9.37	63	56522	22.06	ug/l	100
46) Dibromomethane	9.46	93	29367	21.97	ug/l	99
47) Bromodichloromethane	9.65	83	71881	21.85	ug/l	99
48) Methyl methacrylate	9.44	41	31885	20.68	ug/l	98
49) 1,4-Dioxane	9.48	88	8580	412.05	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	177465	103.51	ug/l	100
52) Toluene	10.39	92	135762	22.12	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71263	20.94	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	81293	21.13	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	40634	21.62	ug/l	95
56) Ethyl methacrylate	10.65	69	47752	20.17	ug/l	98
57) 1,3-Dichloropropane	10.94	76	70768	21.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	103324	98.26	ug/l	99
59) 2-Hexanone	10.98	43	119535	97.96	ug/l	99
60) Dibromochloromethane	11.13	129	47218	21.45	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38052	21.08	ug/l	97
64) Tetrachloroethene	10.87	164	50789	22.57	ug/l	99
65) Chlorobenzene	11.66	112	149346	21.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	51914	21.45	ug/l	99
67) Ethyl Benzene	11.74	91	255502	21.10	ug/l	100
68) m/p-Xylenes	11.85	106	202411	43.87	ug/l	100
69) o-Xylene	12.17	106	90869	21.26	ug/l	99
70) Styrene	12.19	104	156564	21.80	ug/l	99
71) Bromoform	12.35	173	27955	20.62	ug/l #	100
73) Isopropylbenzene	12.47	105	249361	20.52	ug/l	99
74) N-amyl acetate	12.28	43	65766	20.27	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	50227	20.88	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34300m	21.26	ug/l	
77) Bromobenzene	12.76	156	60761	20.81	ug/l	98
78) n-propylbenzene	12.81	91	315584	21.01	ug/l	100
79) 2-Chlorotoluene	12.90	91	177537	20.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	217375	21.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13691	18.06	ug/l	95
82) 4-Chlorotoluene	12.99	91	196599	21.57	ug/l	100
83) tert-Butylbenzene	13.21	119	177216	20.42	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	228680	21.56	ug/l	99
85) sec-Butylbenzene	13.39	105	267364	20.75	ug/l	99
86) p-Isopropyltoluene	13.51	119	235231	20.84	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	124666	20.99	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	124059	20.89	ug/l	98
89) n-Butylbenzene	13.83	91	230646	20.71	ug/l	98
90) Hexachloroethane	14.10	117	43782	20.85	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	114123	21.45	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8353	19.87	ug/l	100

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QLast Update : Sat Jul 07 03:50:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	75510	20.19	ug/l	99
94) Hexachlorobutadiene	15.24	225	43151	20.11	ug/l	97
95) Naphthalene	15.38	128	132878	19.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	67775	20.26	ug/l	99

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

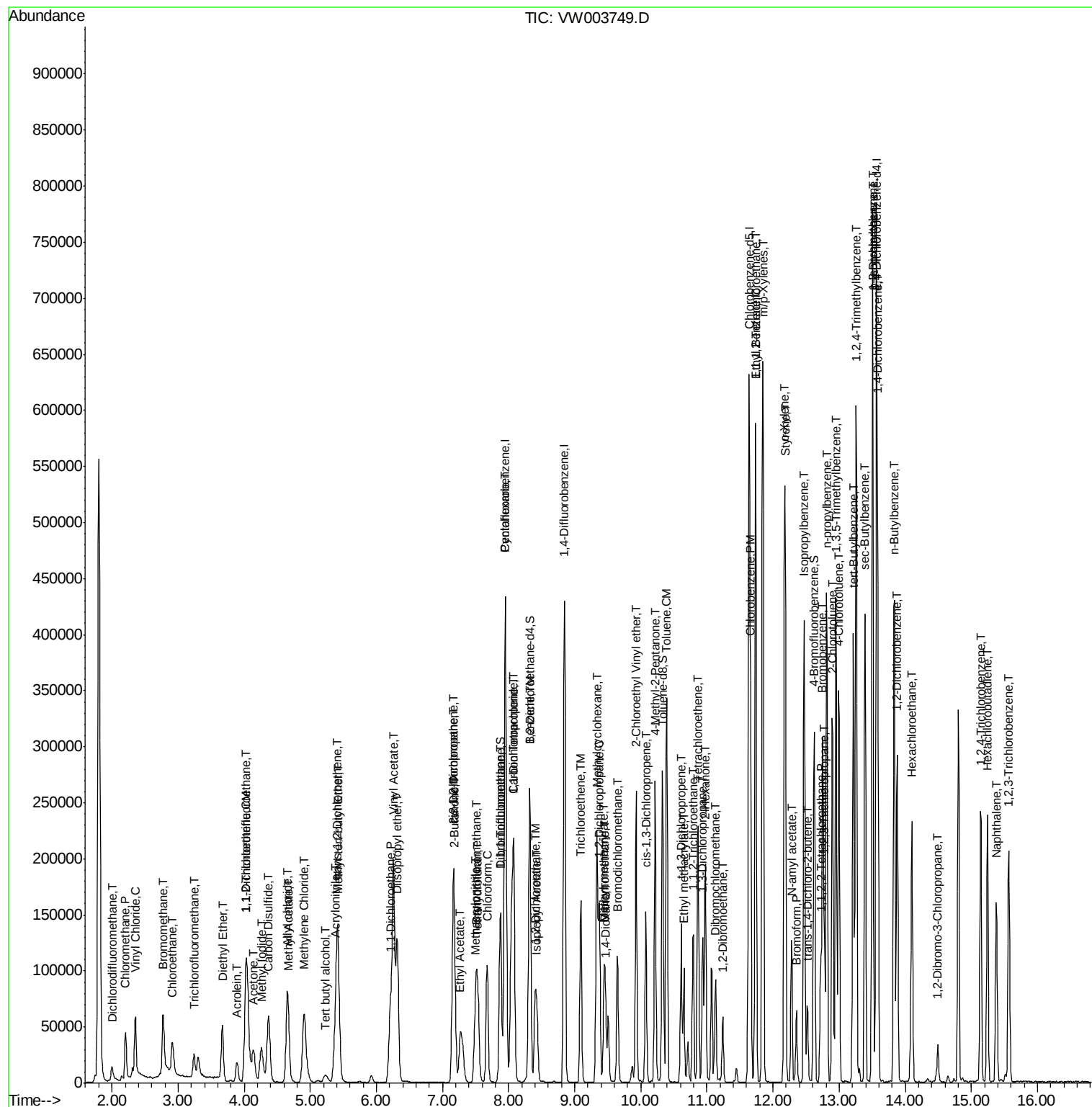
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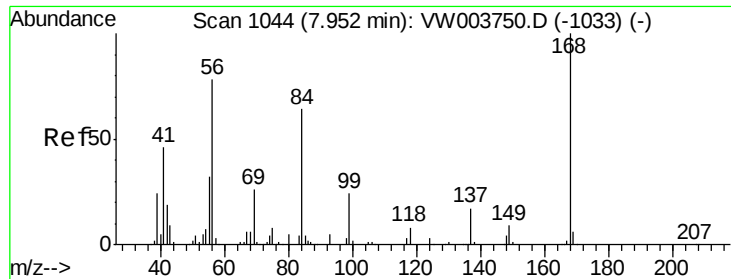
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC020

Tot Ion:168 Resp: 217130

Ion Ratio Lower Upper

168 100

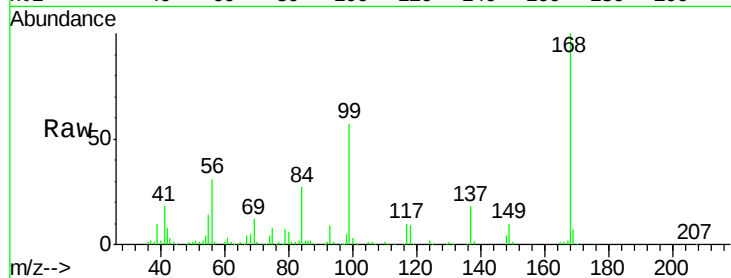
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Manual Integrations

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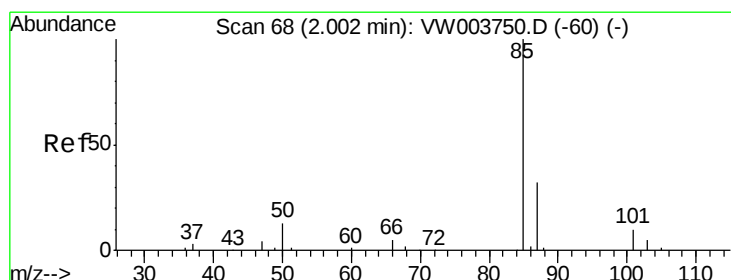
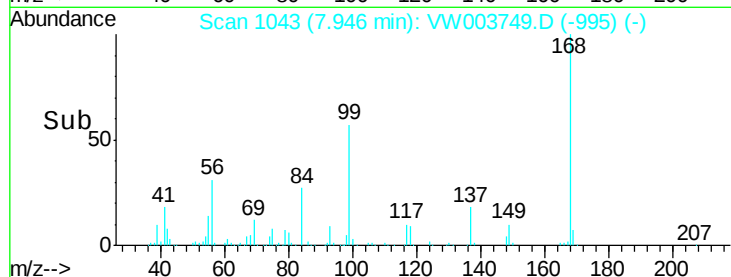
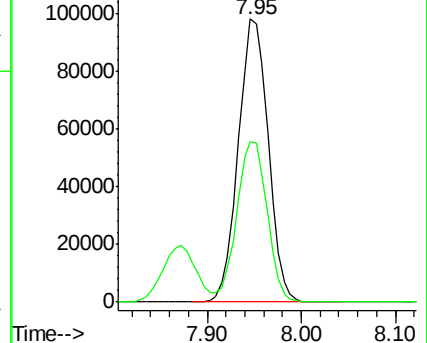
apatel

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.50 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003749.D

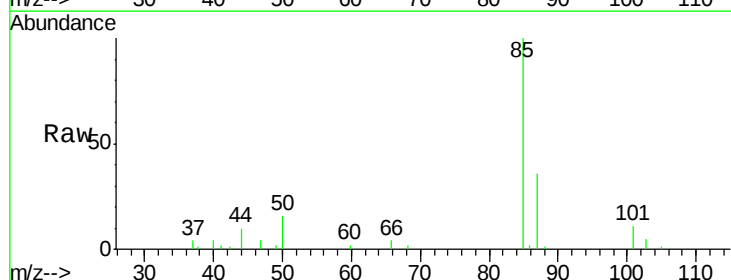
Acq: 06 Jul 2018 23:40

Tgt Ion: 85 Resp: 21383

Ion Ratio Lower Upper

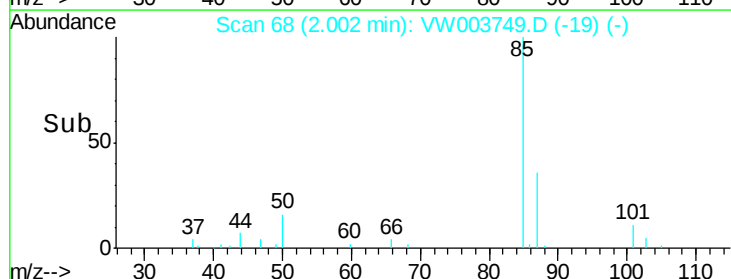
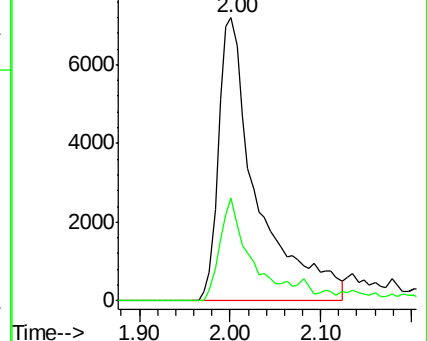
85 100

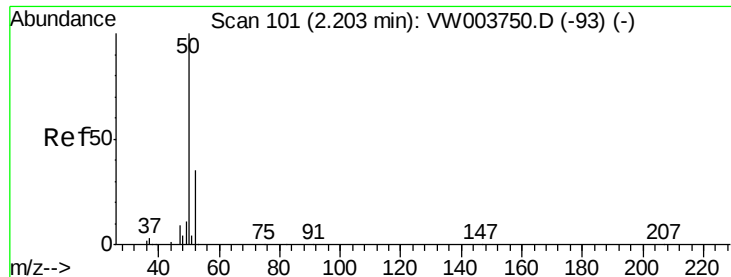
87 36.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 24.86 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 43447

Ion Ratio Lower Upper

50 100

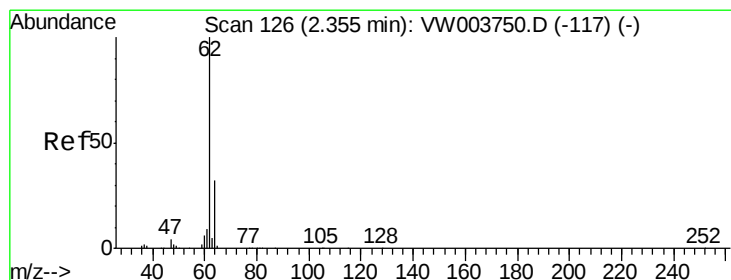
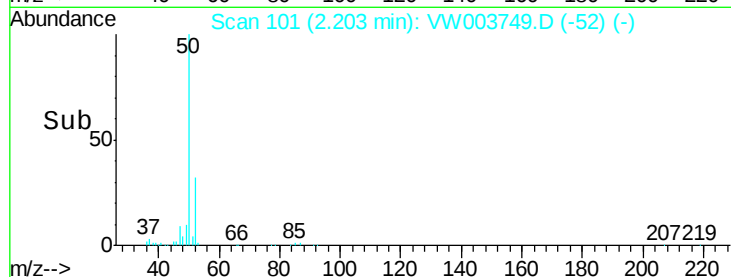
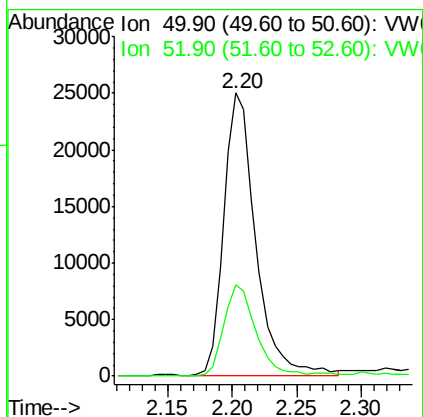
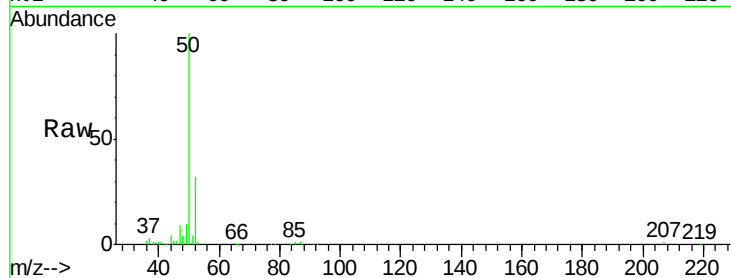
52 32.4 27.8 41.6

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#4

Vinyl Chloride

Concen: 24.43 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003749.D

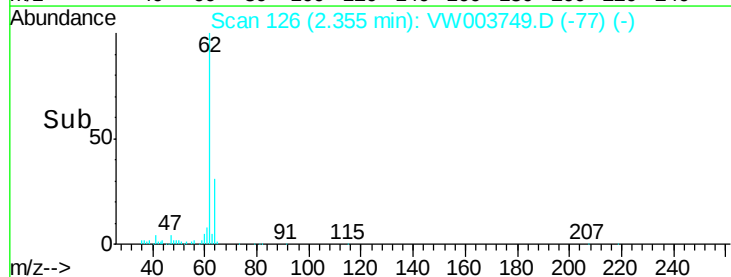
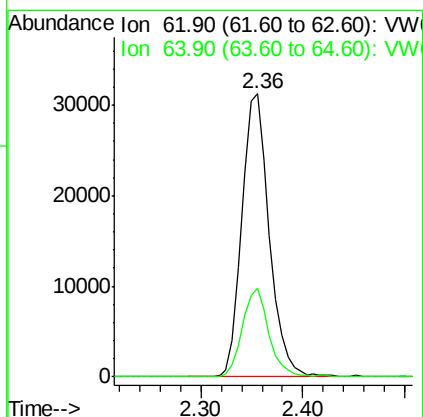
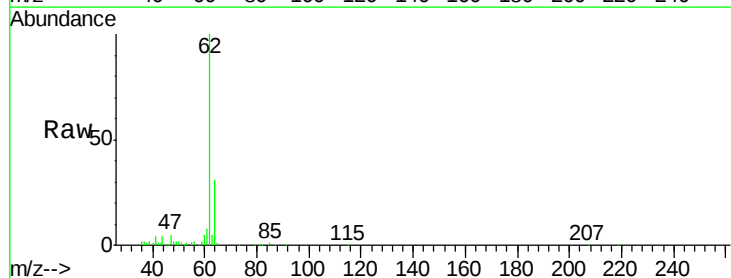
Acq: 06 Jul 2018 23:40

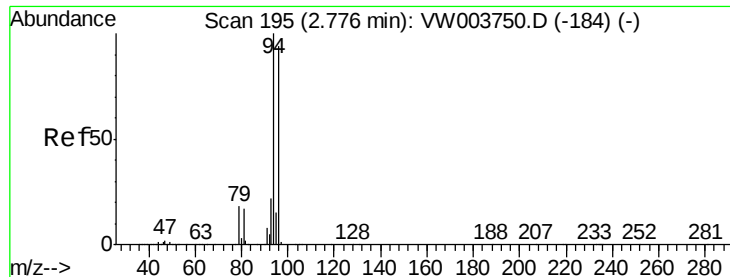
Tgt Ion: 62 Resp: 58112

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 25.04 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 39630

Ion Ratio Lower Upper

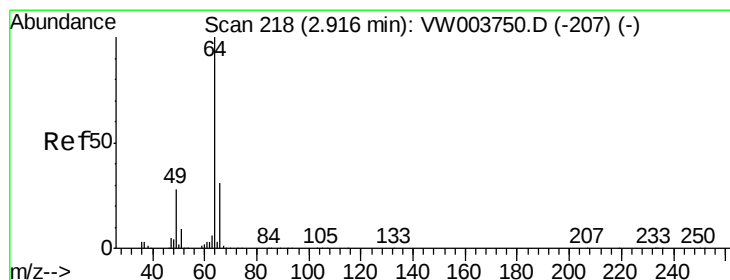
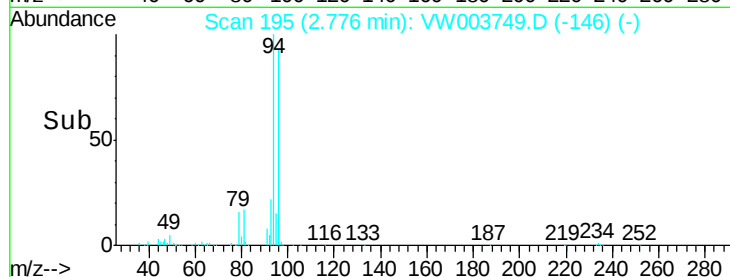
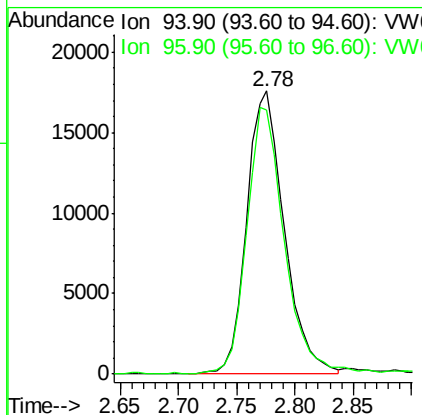
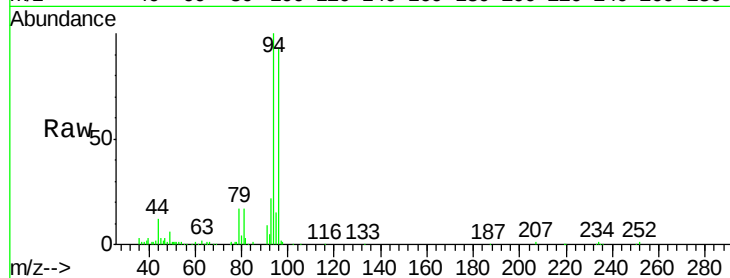
94 100

96 92.8 74.8 112.2

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#6

Chloroethane

Concen: 24.16 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003749.D

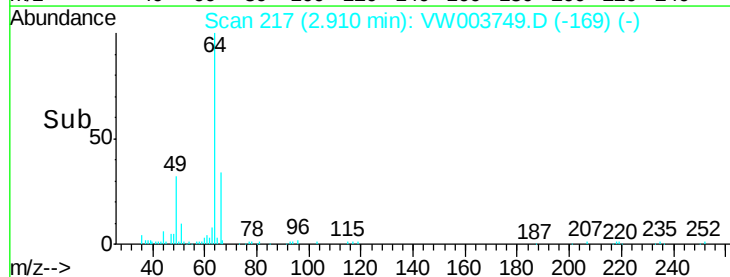
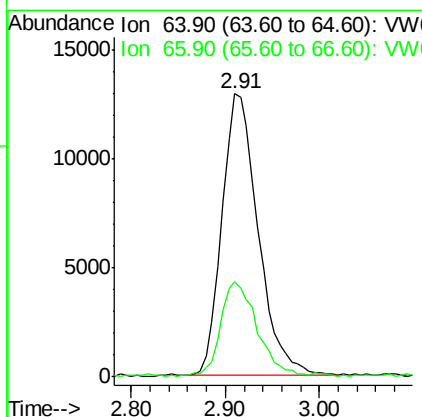
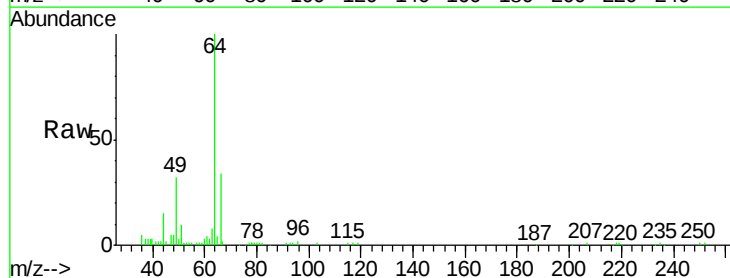
Acq: 06 Jul 2018 23:40

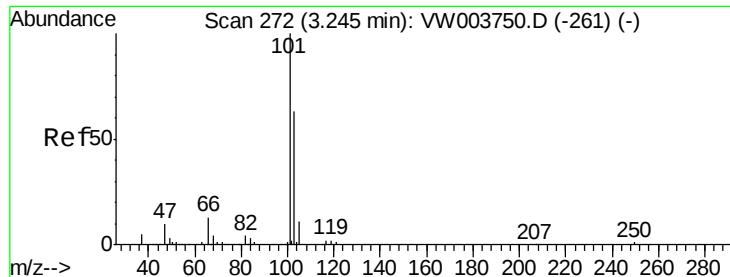
Tgt Ion: 64 Resp: 34524

Ion Ratio Lower Upper

64 100

66 33.5 25.1 37.7





#7

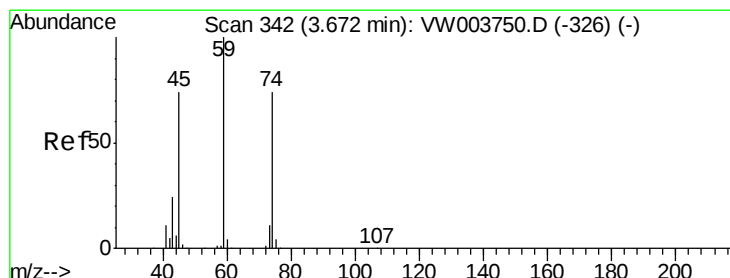
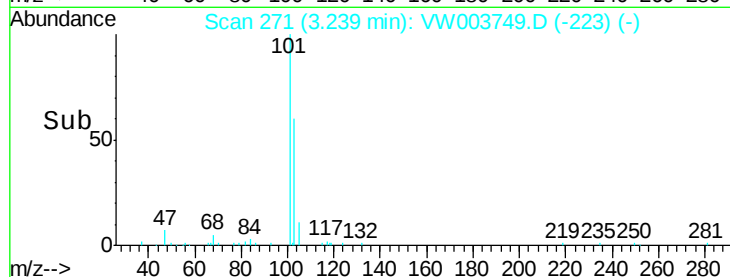
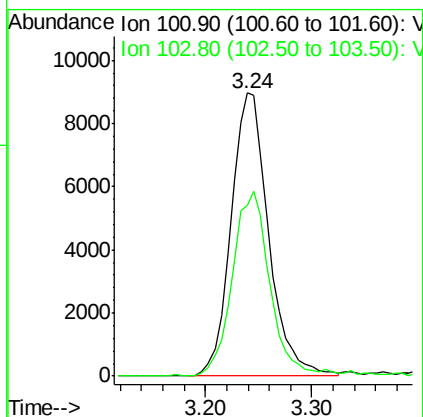
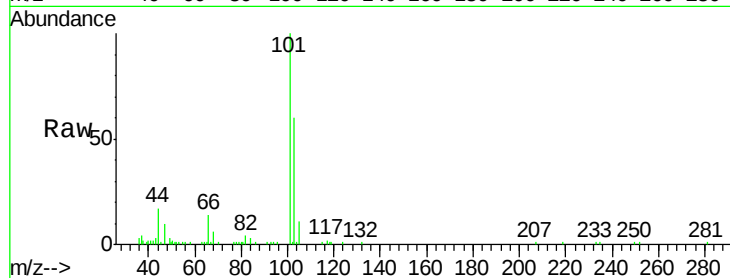
Trichlorofluoromethane
 Concen: 18.18 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	50.7	76.1

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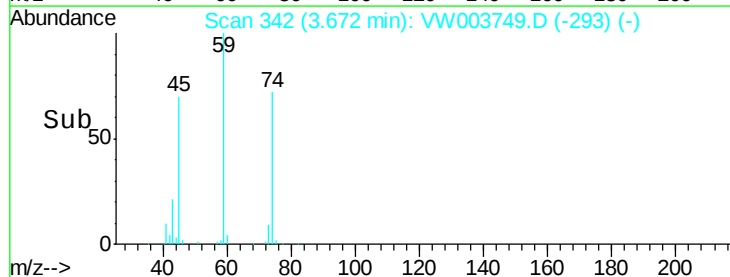
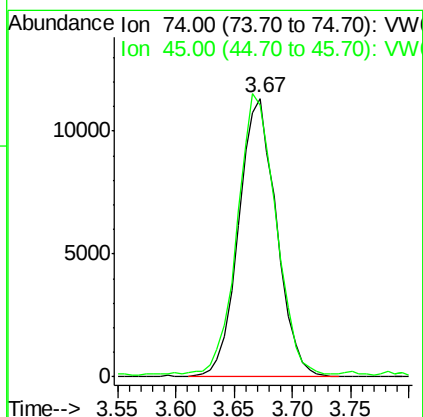
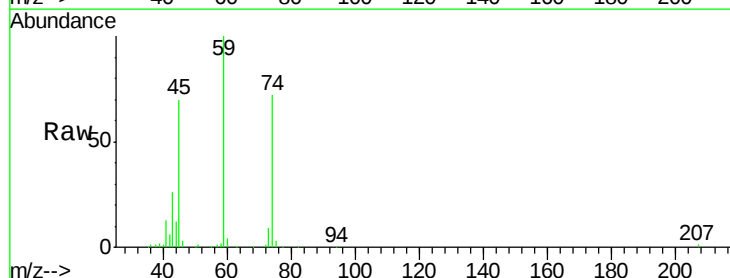
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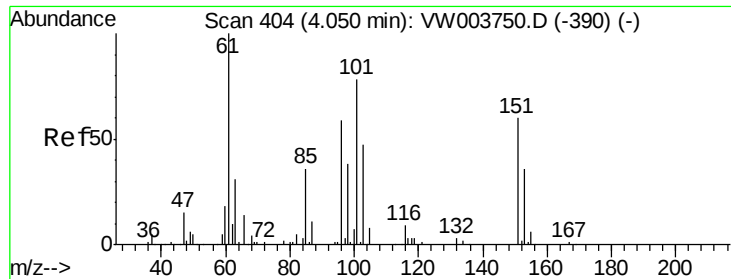


#8

Diethyl Ether
 Concen: 22.51 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	52.4	157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.06 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

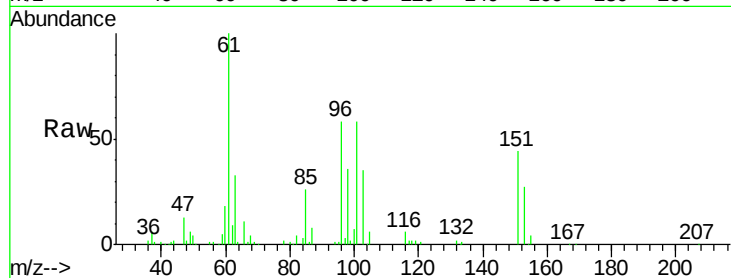
ClientSampled :

VSTDIC020

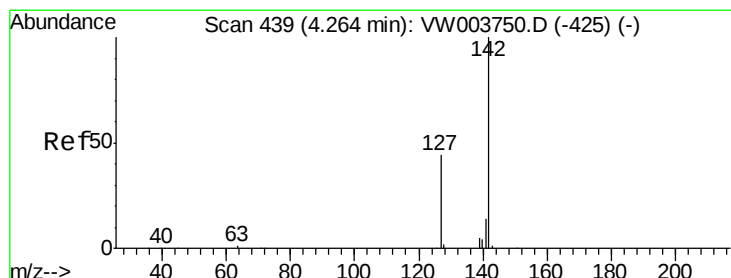
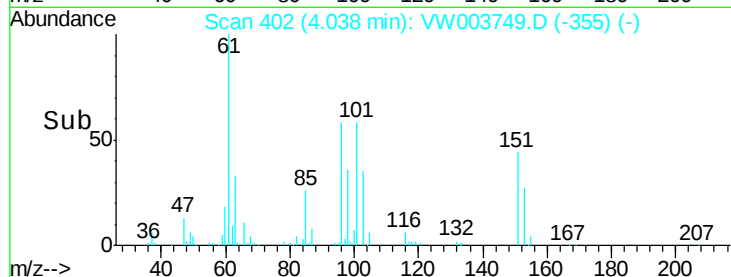
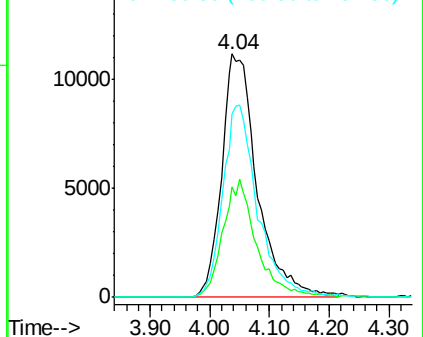
Tot Ion:	101	Resp:	46257
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.1	55.7
151	77.4	62.3	93.5

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



#10

Methyl Iodide

Concen: 21.37 ug/l

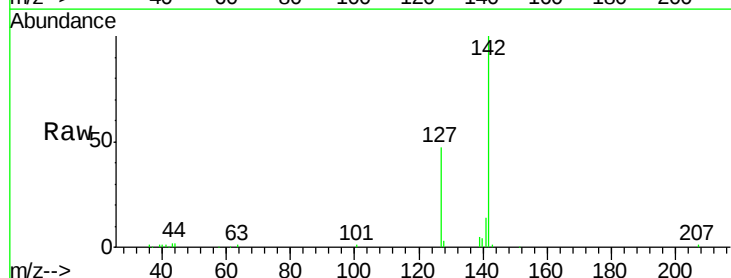
RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

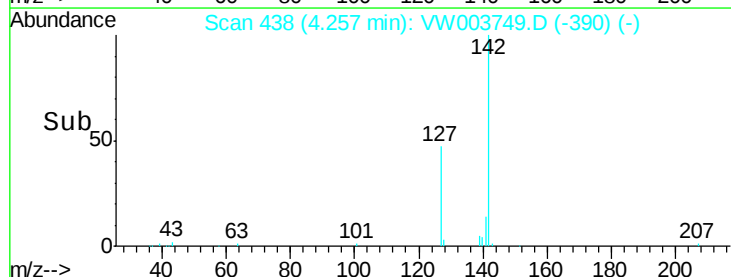
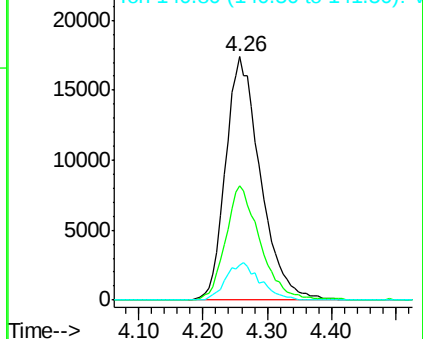
Lab File: VW003749.D

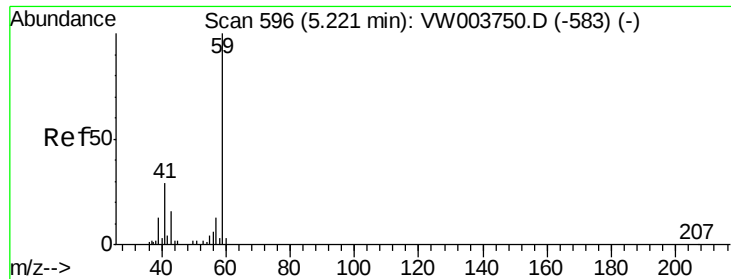
Acq: 06 Jul 2018 23:40

Tgt Ion:	142	Resp:	65706
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.1	54.1
141	15.0	11.6	17.4



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





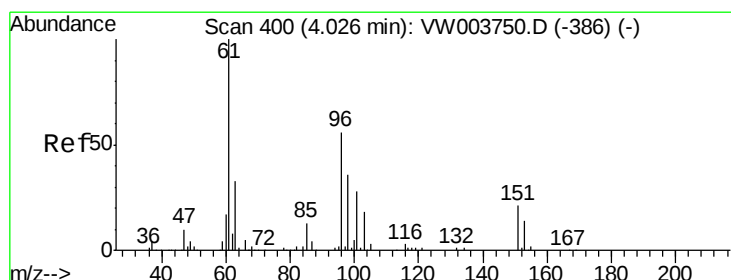
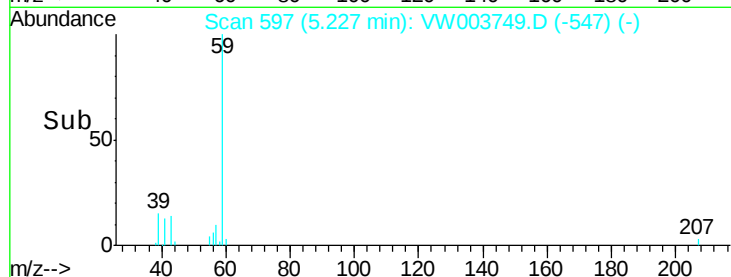
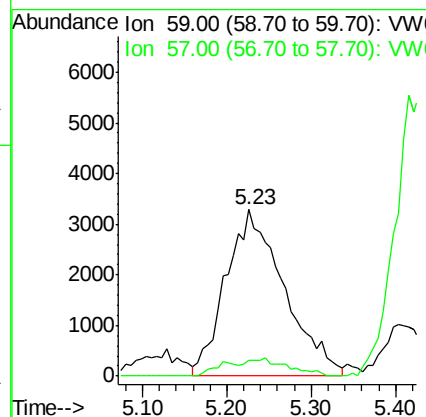
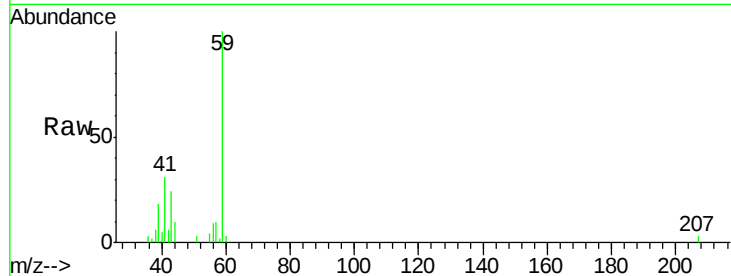
#11
Tert butyl alcohol
Concen: 96.25 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	59	57	Ratio	100	7.6	Resp:	15557	Lower	9.3	Upper	13.9#

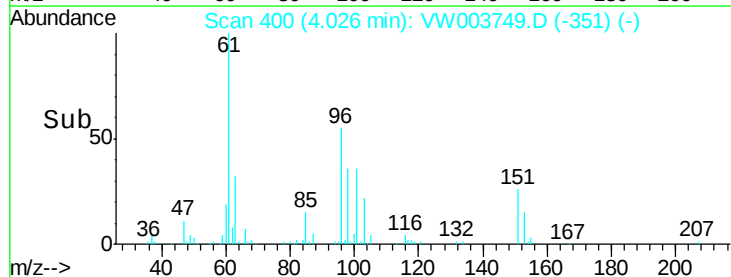
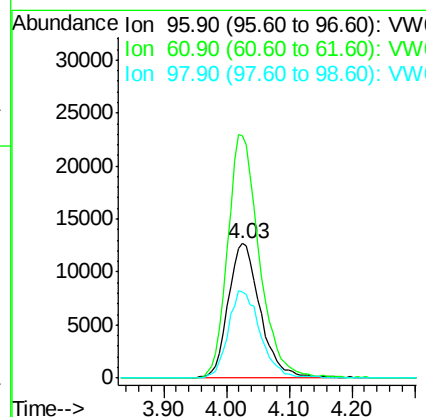
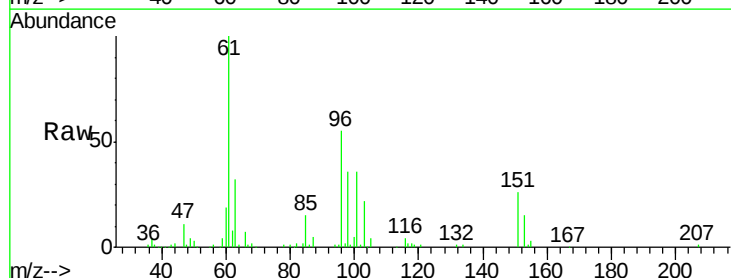
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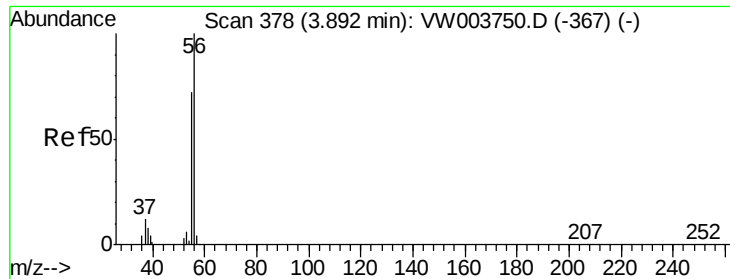
apatel
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#12
1,1-Dichloroethene
Concen: 21.59 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	96	61	98	Ratio	100	180.3	64.5	Resp:	44980	Lower	143.2	51.4	Upper	214.8	77.0





#13

Acrolein

Concen: 211.69 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 22228

Ion Ratio Lower Upper

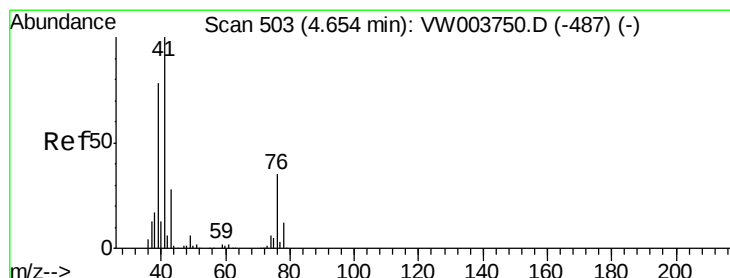
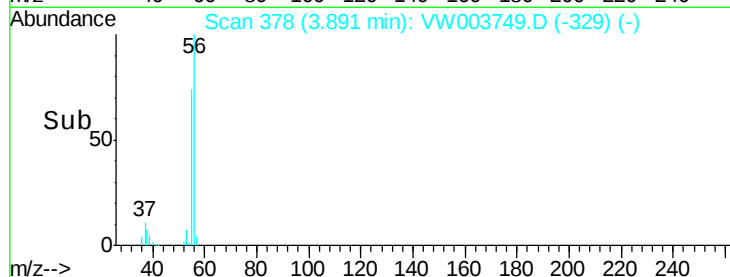
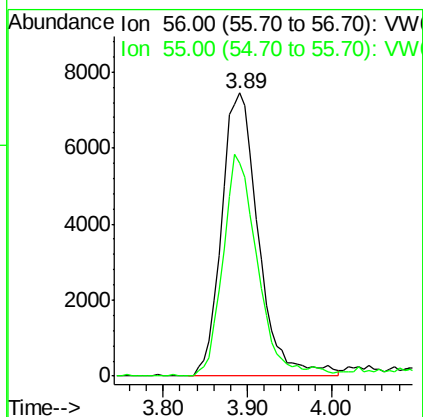
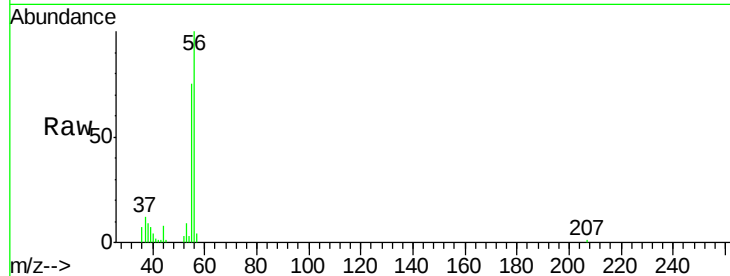
56 100

55 71.9 57.5 86.3

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#14

Allyl chloride

Concen: 20.87 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

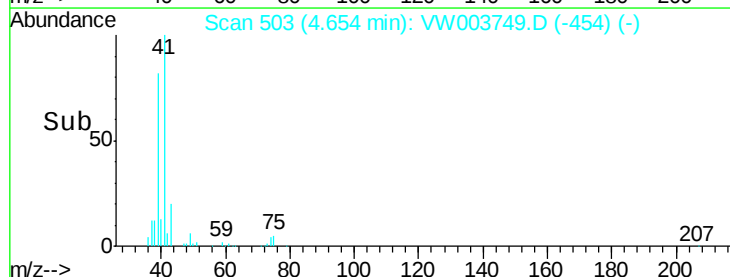
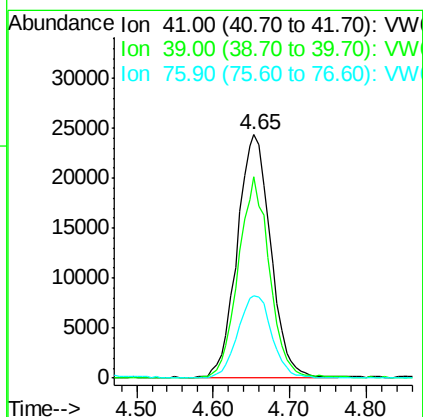
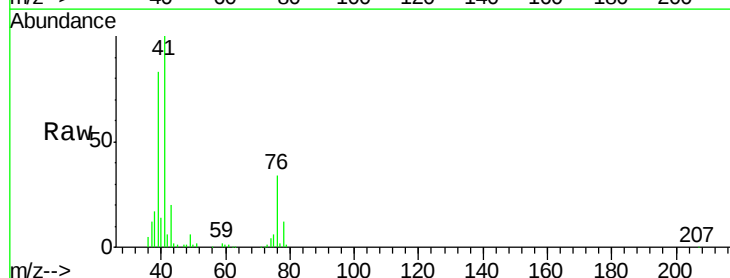
Tgt Ion: 41 Resp: 74455

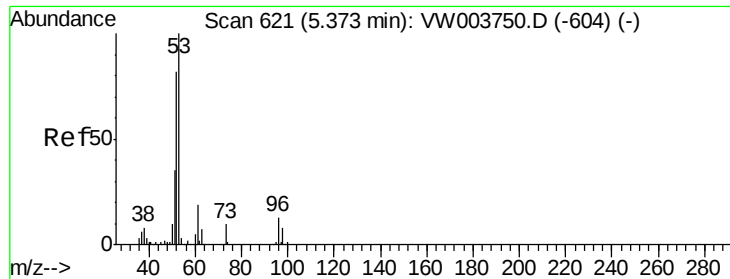
Ion Ratio Lower Upper

41 100

39 77.1 60.9 91.3

76 34.2 27.5 41.3





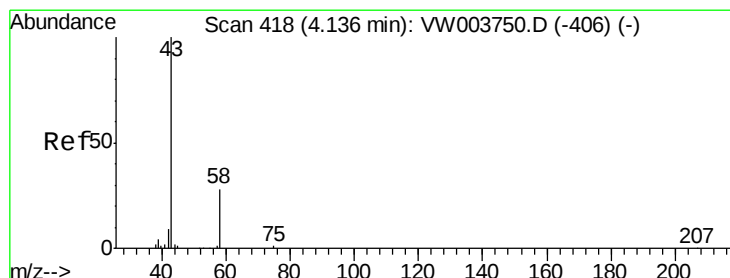
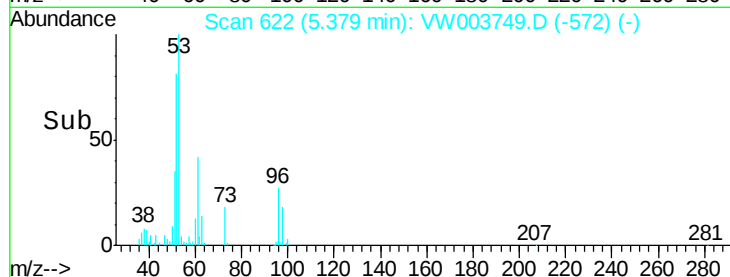
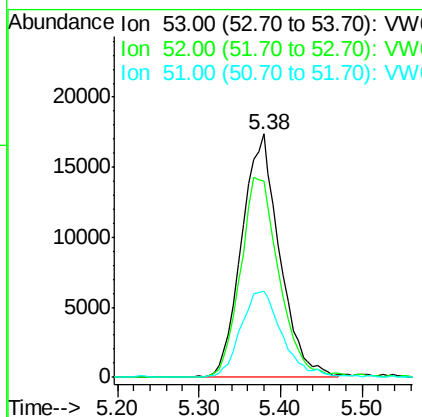
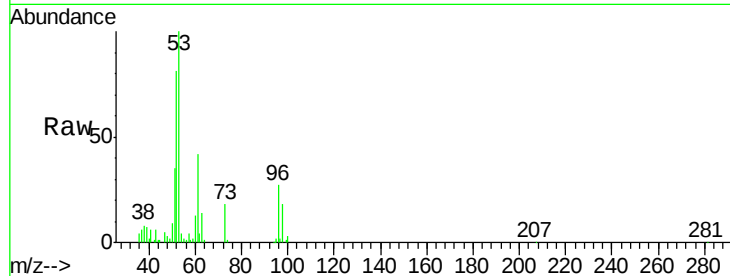
#15
 Acrylonitrile
 Concen: 102.27 ug/l
 RT: 5.38 min Scan# 622
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	53	Resp:	56200
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	38.6	30.2	45.4

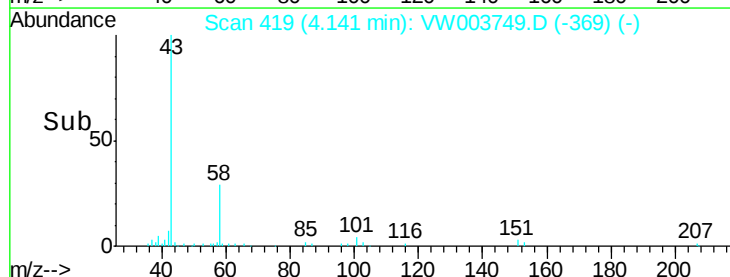
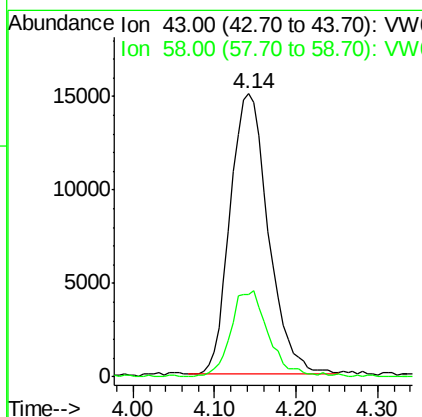
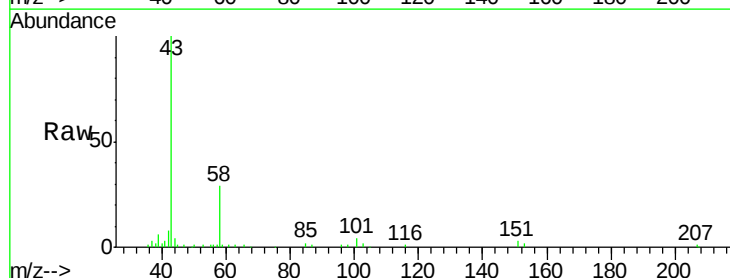
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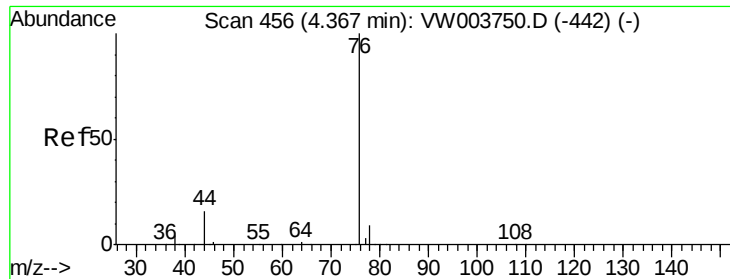
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#16
 Acetone
 Concen: 80.21 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion:	43	Resp:	48974
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.6	34.0





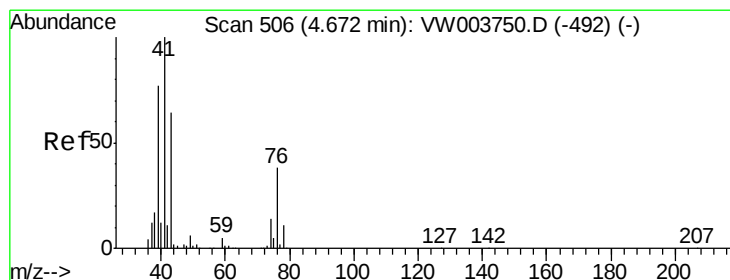
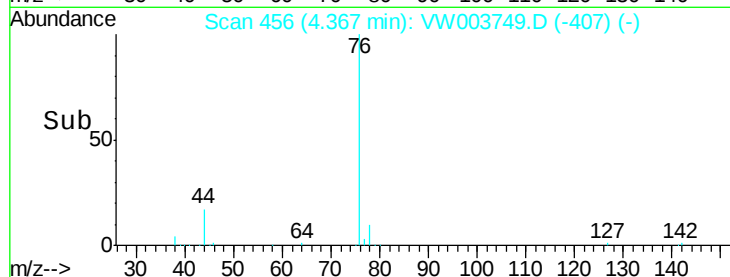
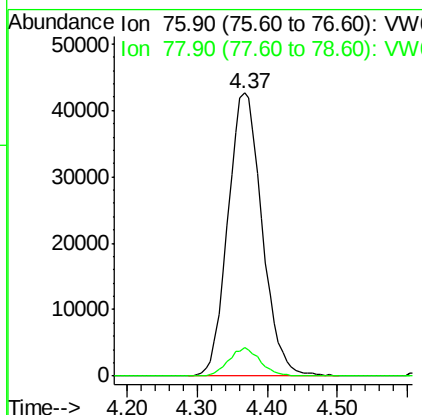
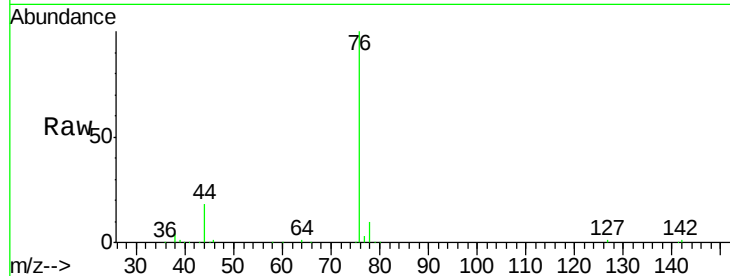
#17
Carbon Disulfide
Concen: 23.13 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.2

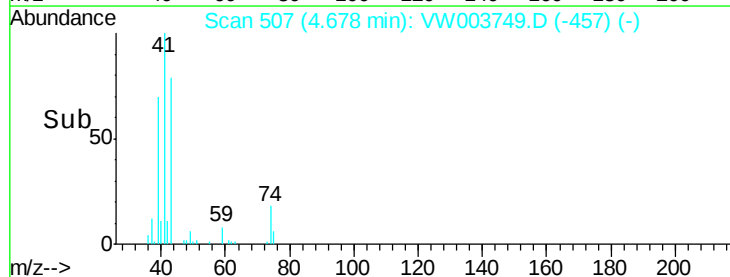
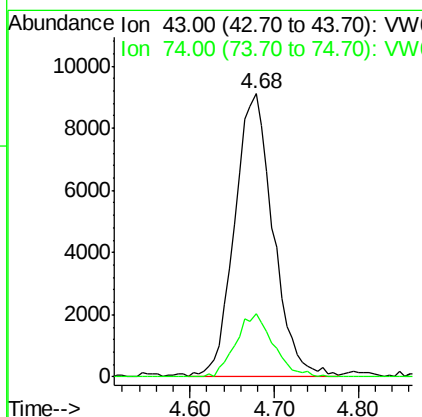
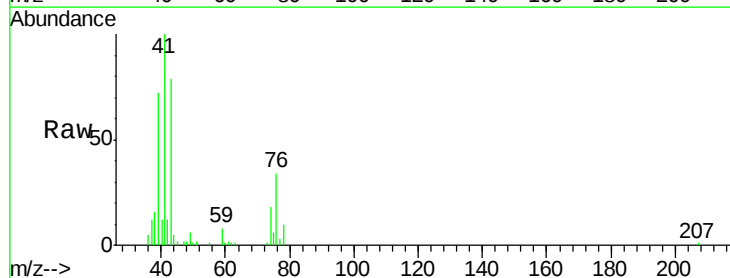
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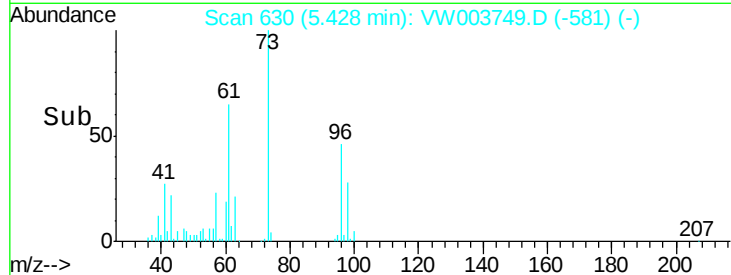
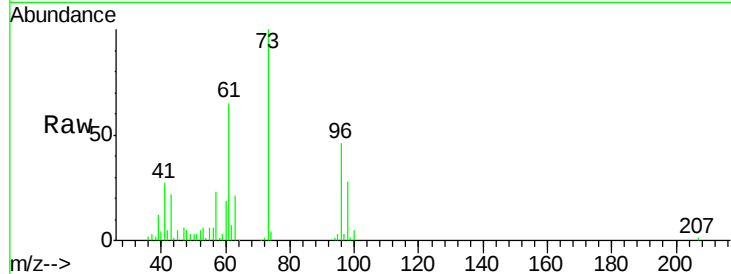
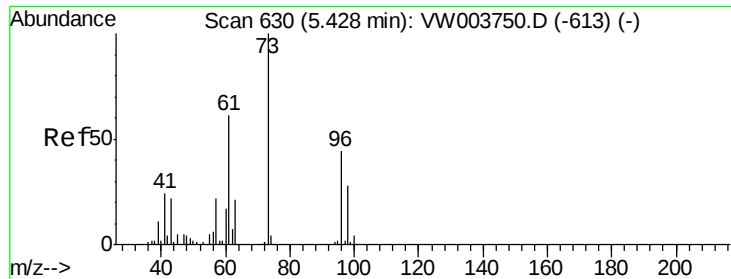
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#18
Methyl Acetate
Concen: 18.66 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.3	25.9





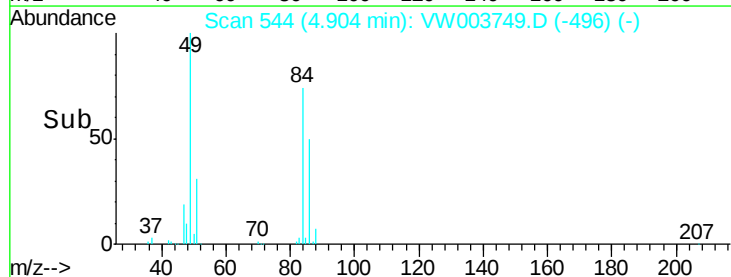
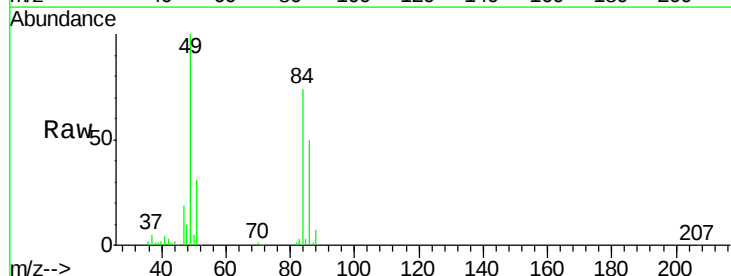
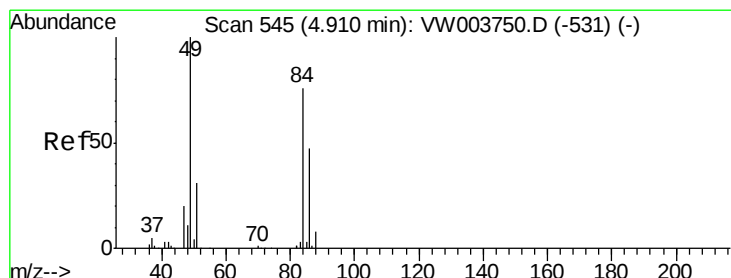
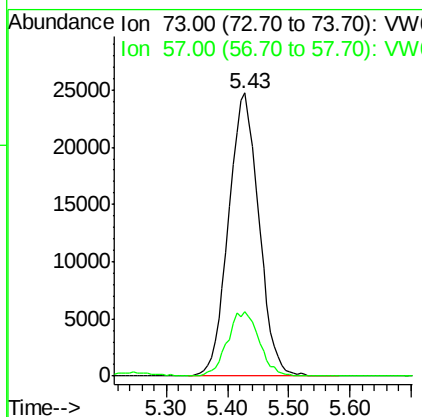
#19
Methvl tert-butvl Ether
Concen: 20.51 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tot Ion: 73 Resp: 84774
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

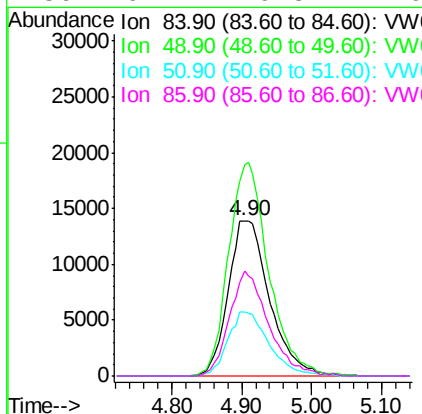
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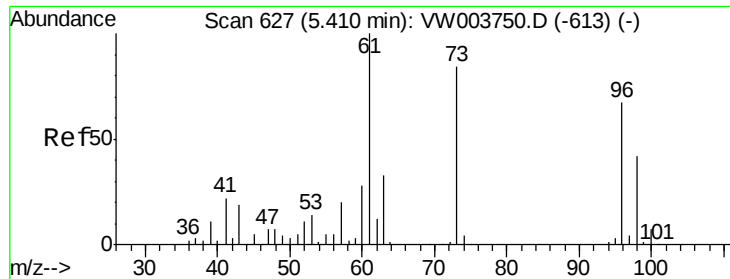
apatel
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#20
Methylene Chloride
Concen: 20.19 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion: 84 Resp: 57080
Ion Ratio Lower Upper
84 100
49 135.2 105.1 157.7
51 41.5 32.5 48.7
86 67.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.93 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

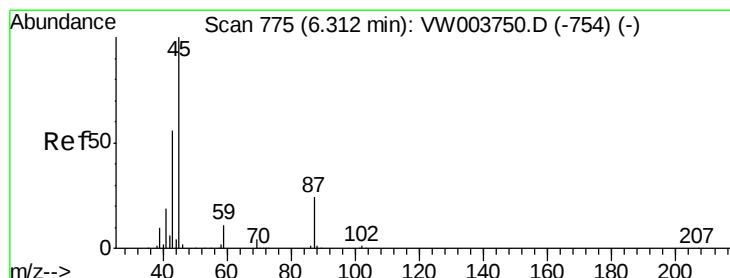
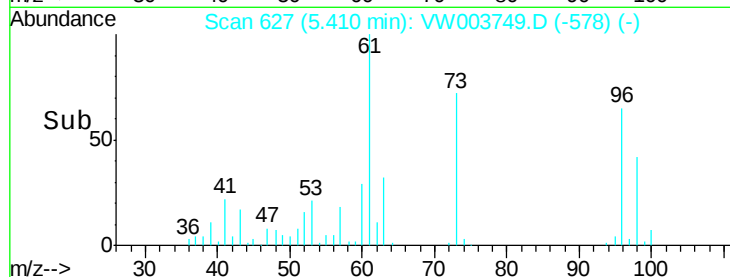
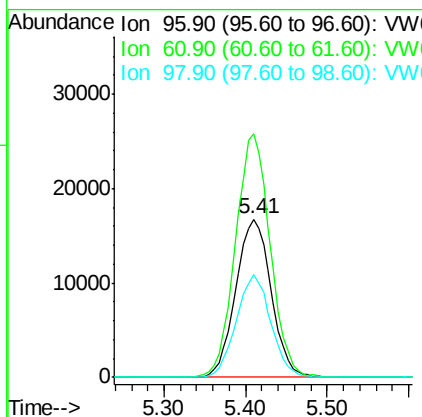
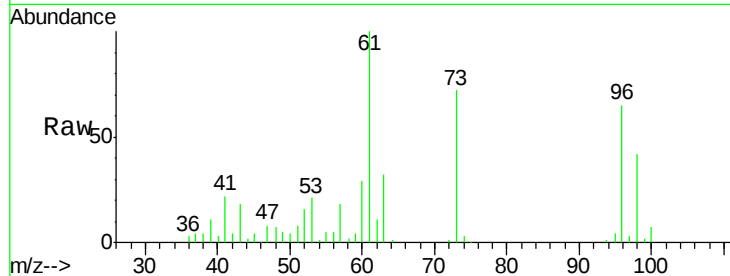
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	50341
Ion	Ratio	Lower	Upper
96	100		
61	154.0	119.0	178.6
98	65.1	49.8	74.8

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#22

Diisopropyl ether

Concen: 21.85 ug/l

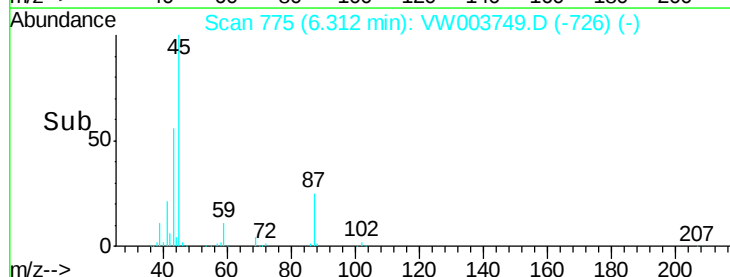
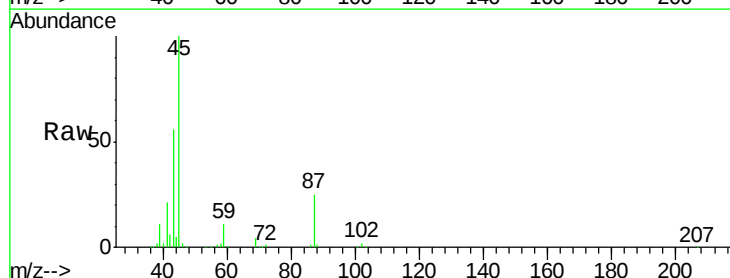
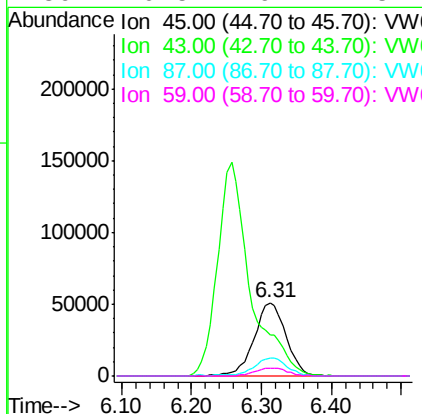
RT: 6.31 min Scan# 775

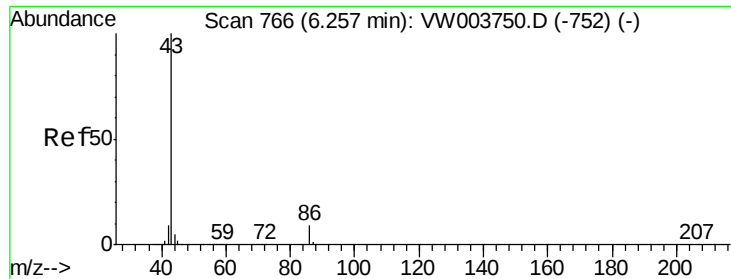
Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Tgt Ion:	45	Resp:	161711
Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.5	66.7
87	24.7	19.6	29.4
59	10.5	9.1	13.7





#23

Vinyl Acetate

Concen: 107.62 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 485389

Ion Ratio Lower Upper

43 100

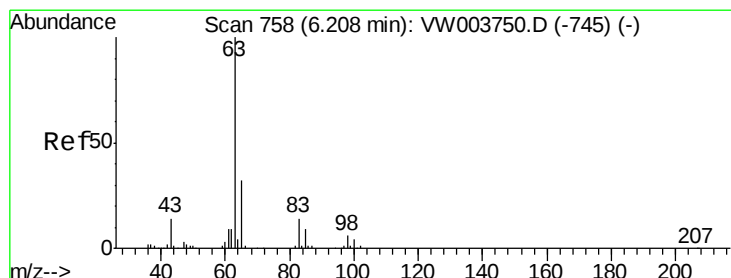
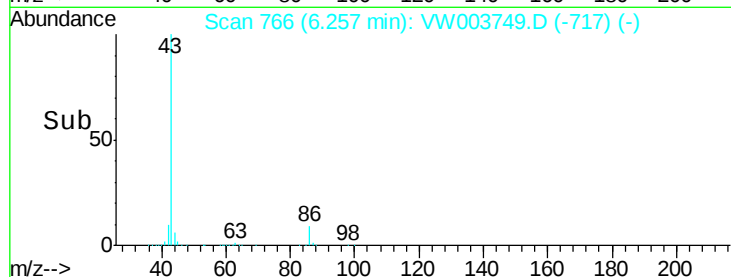
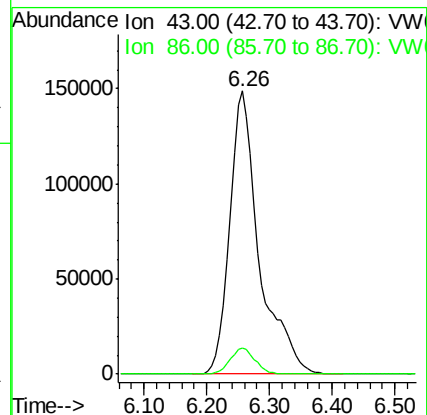
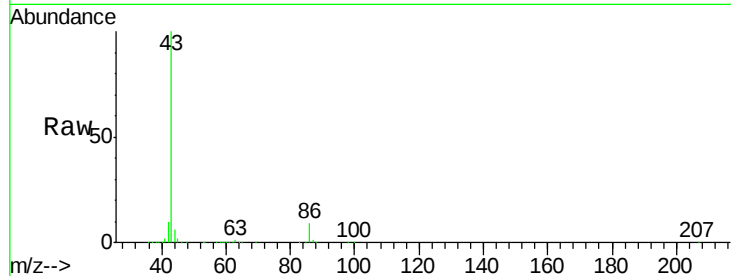
86 9.0 7.3 10.9

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#24

1,1-Dichloroethane

Concen: 21.71 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

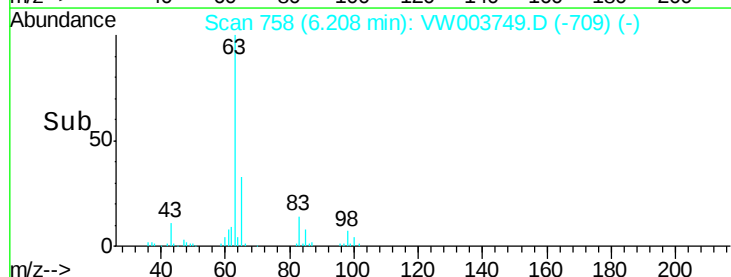
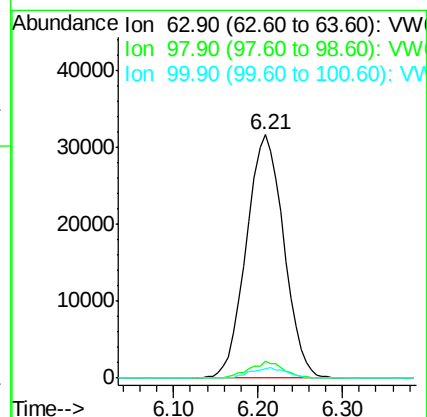
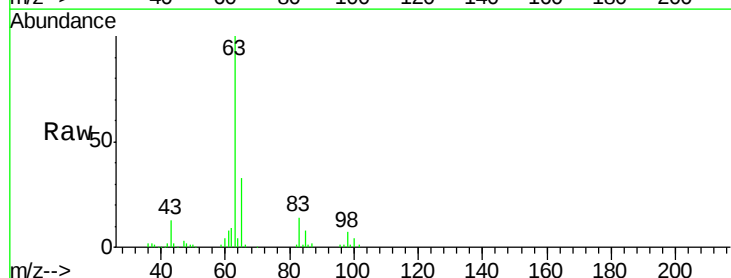
Tgt Ion: 63 Resp: 95480

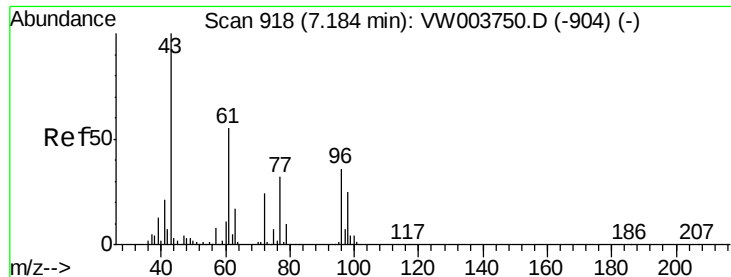
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 93.99 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 75244

Ion Ratio Lower Upper

43 100

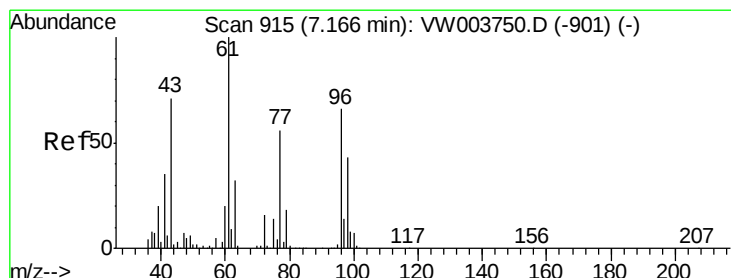
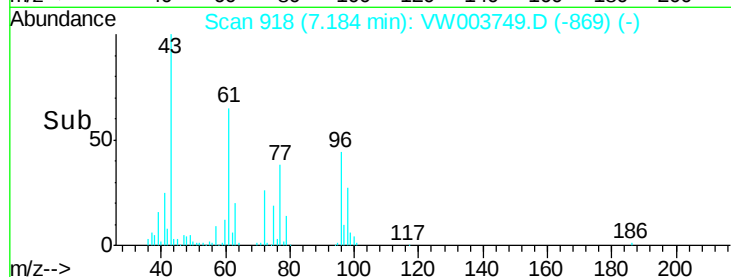
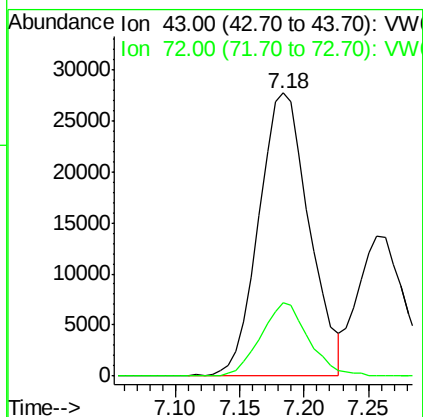
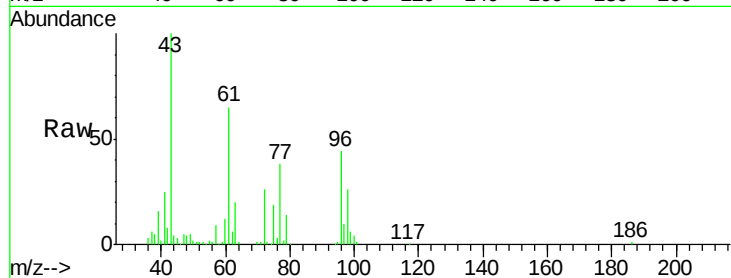
72 25.7 19.4 29.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.97 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003749.D

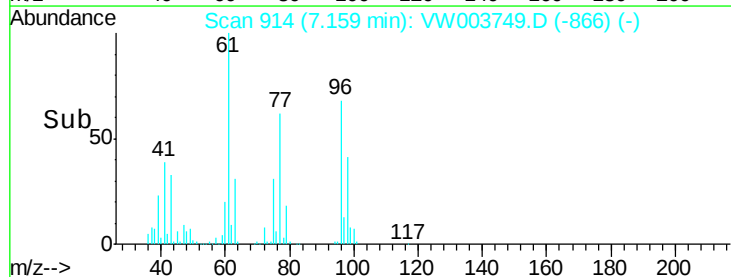
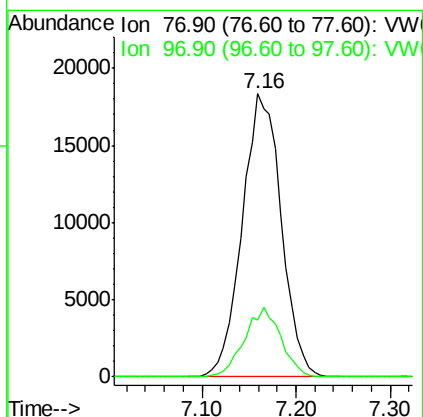
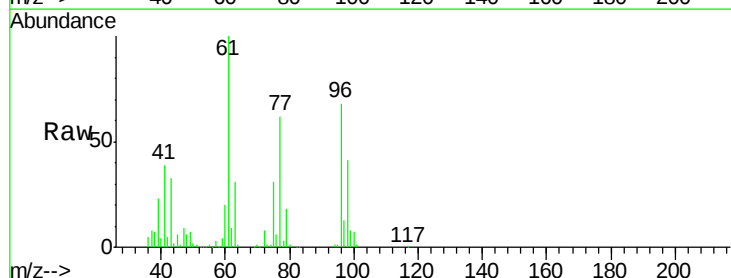
Acq: 06 Jul 2018 23:40

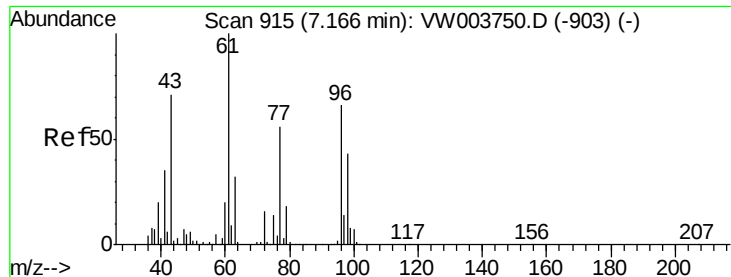
Tgt Ion: 77 Resp: 52900

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5





#27

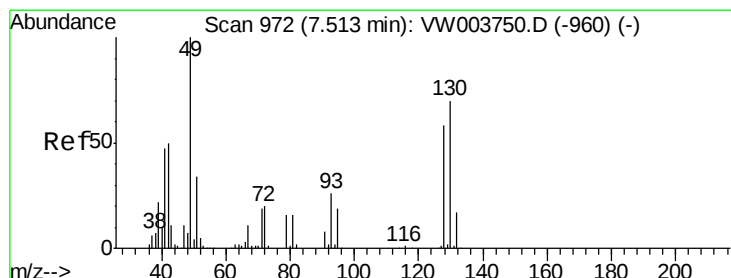
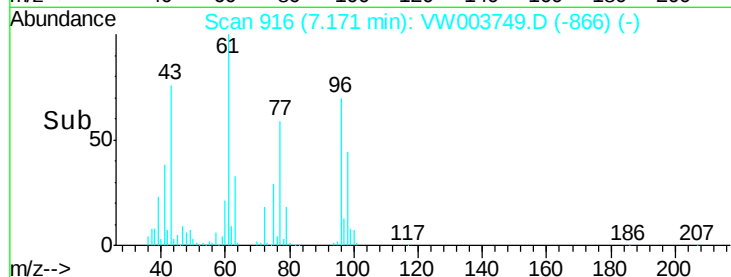
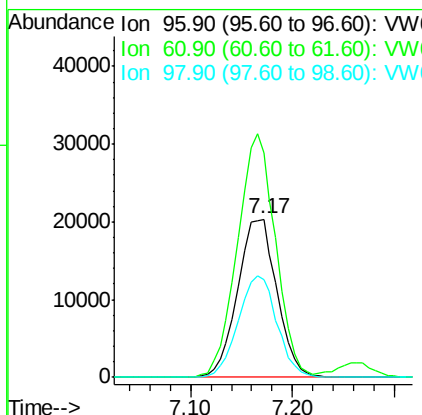
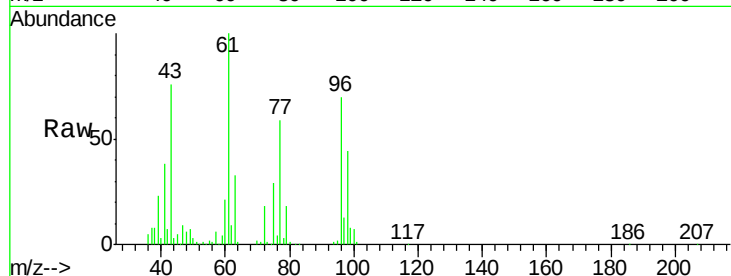
cis-1,2-Dichloroethene
 Concen: 21.78 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	300.8
98	63.0	0.0	128.6

Manual Integrations
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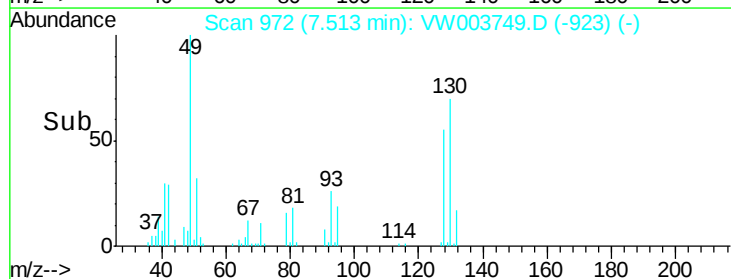
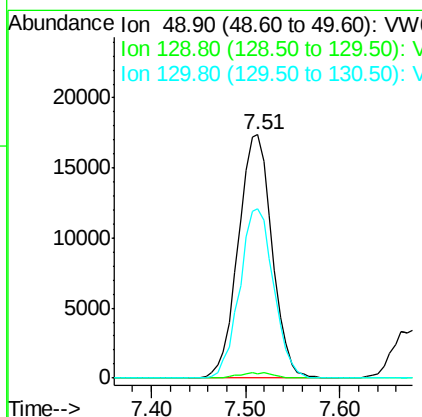
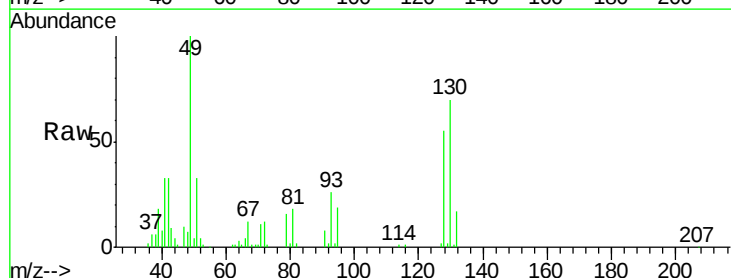
apatel
 7/9/2018 9:50:50 AM

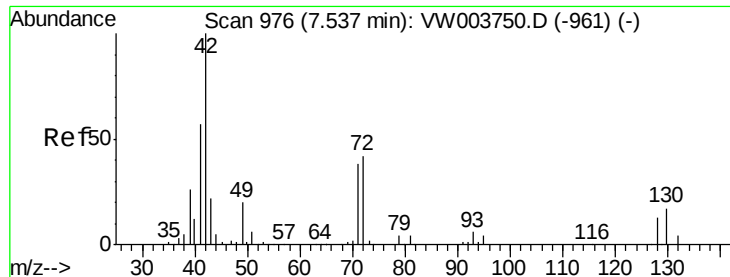


#28

Bromochloromethane
 Concen: 22.71 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	69.9	56.9	85.3





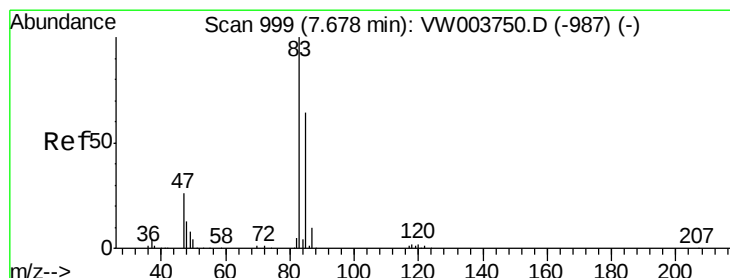
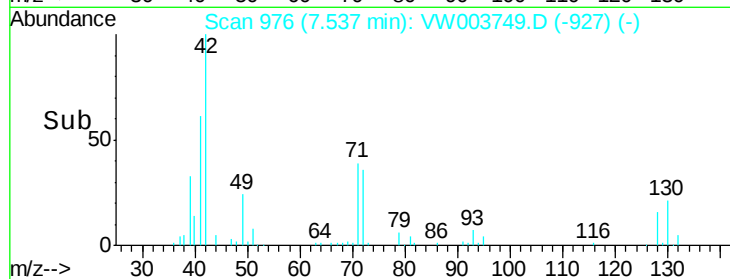
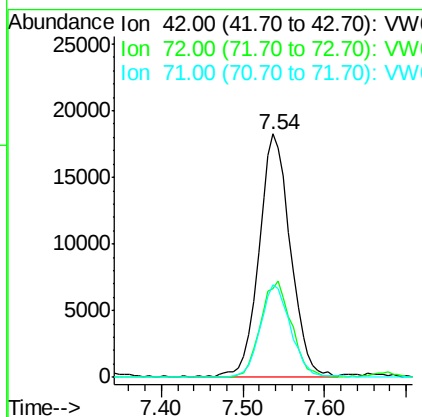
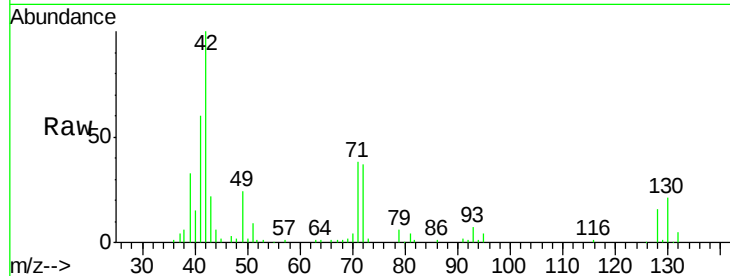
#29
Tetrahydrofuran
Concen: 100.96 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.8	47.8
71	36.9	30.3	45.5

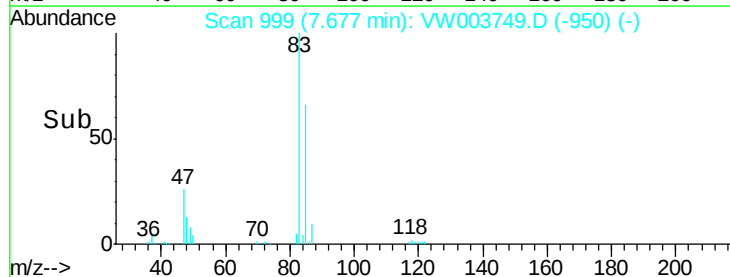
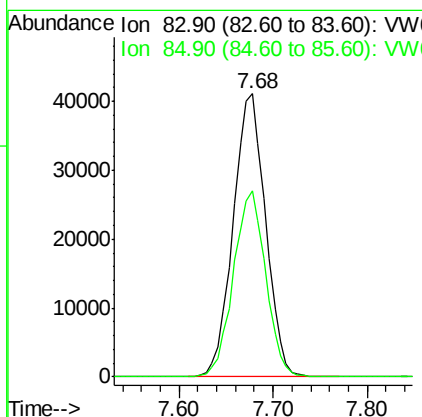
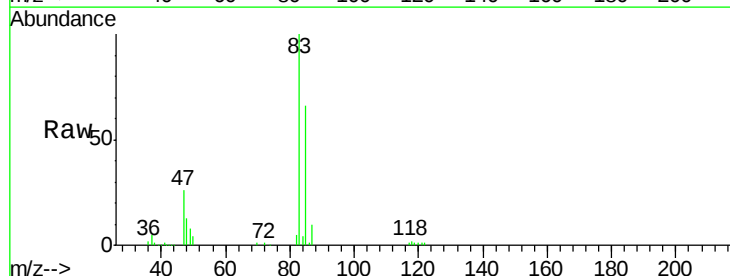
Manual Integrations
APPROVED

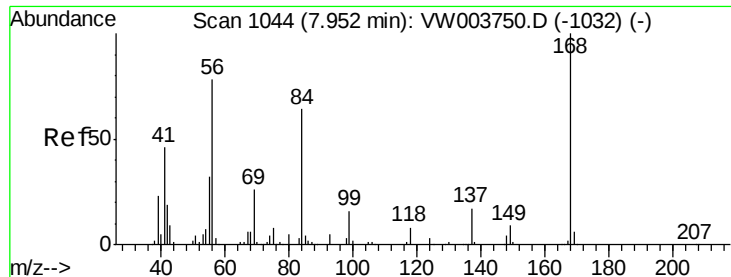
apatel
7/9/2018 9:50:50 AM



#30
Chloroform
Concen: 22.03 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 21.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

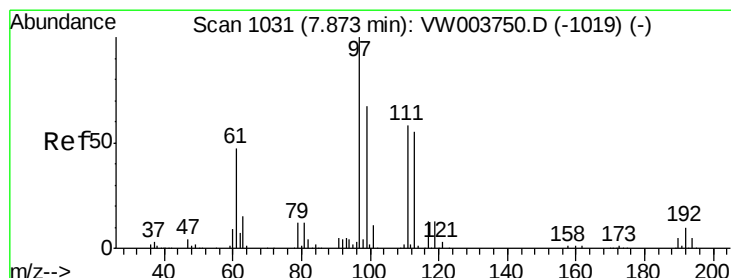
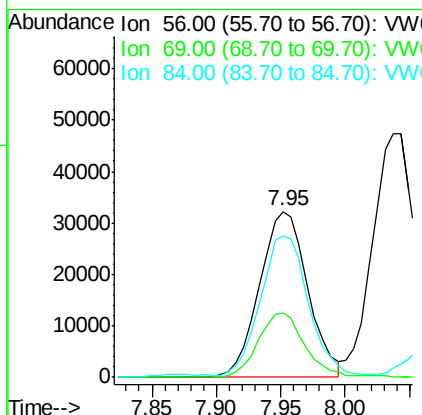
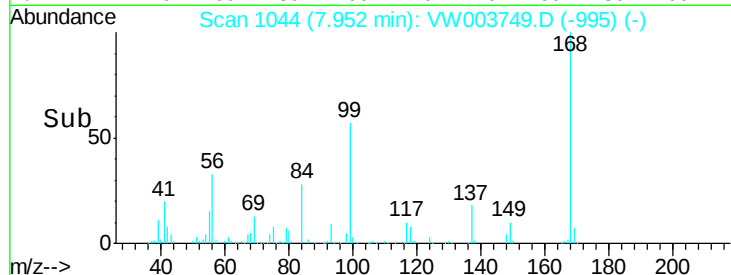
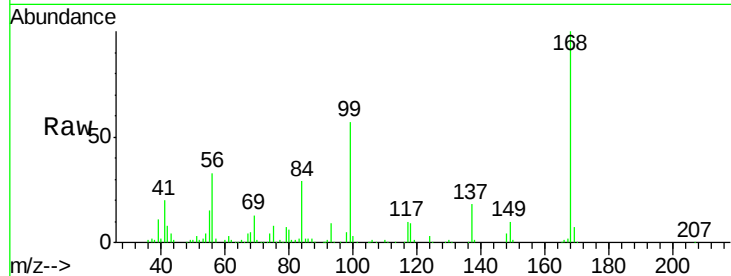
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	83546
Ion Ratio	Lower	Upper	
56	100		
69	39.0	26.2	39.4
84	83.7	65.5	98.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.83 ug/l

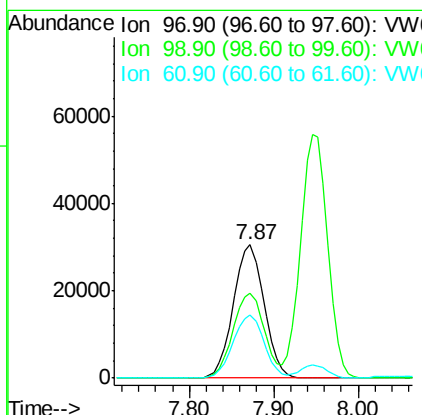
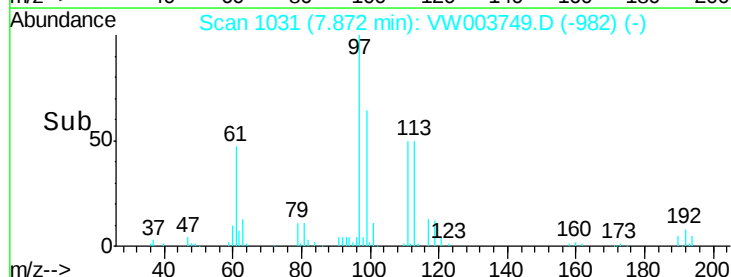
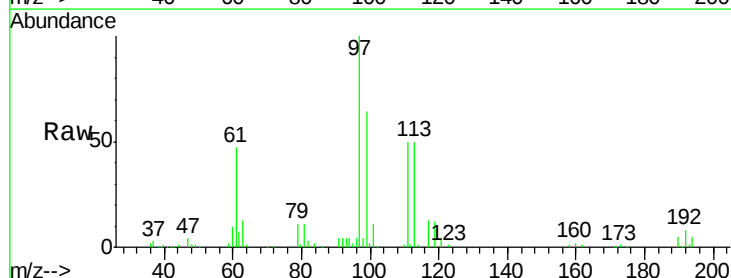
RT: 7.87 min Scan# 1031

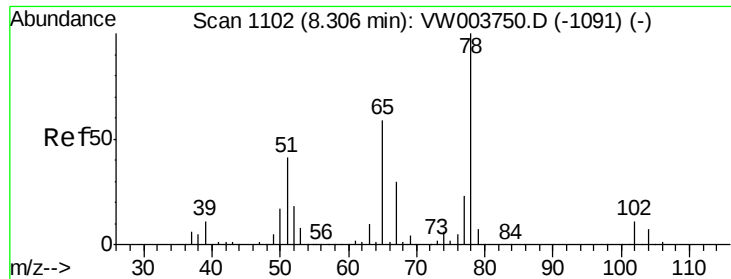
Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Tgt Ion:	97	Resp:	75441
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.2	76.8
61	47.7	37.6	56.4





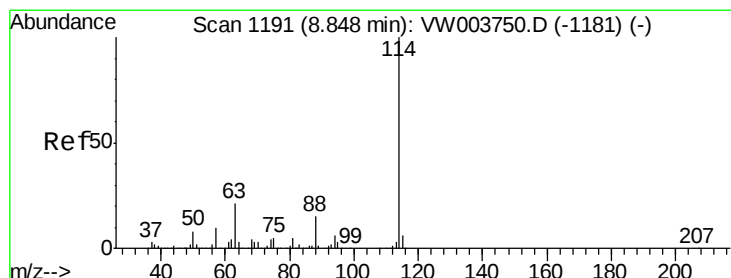
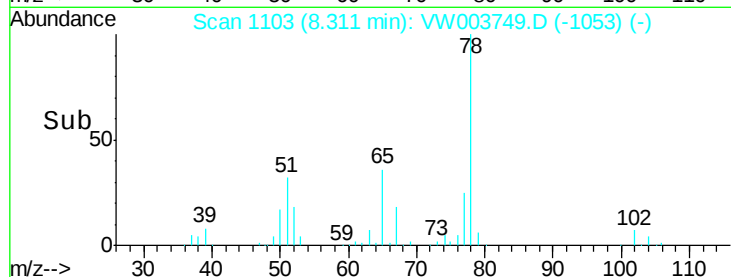
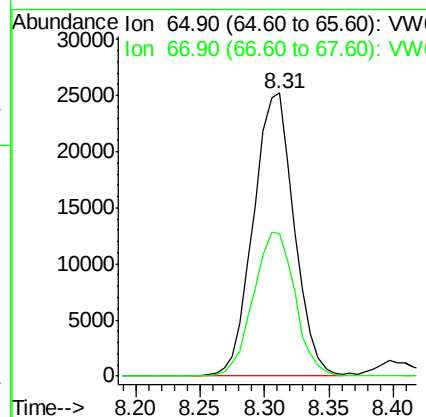
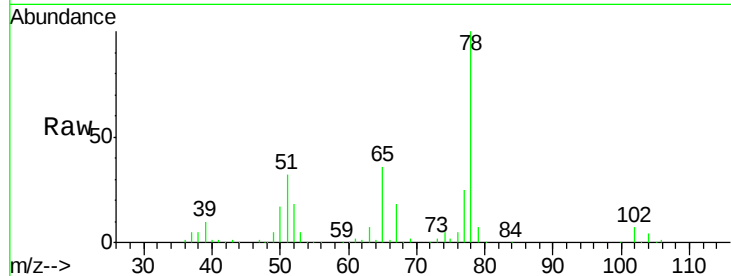
#33
 1,2-Dichloroethane-d4
 Concen: 21.02 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	103.8	

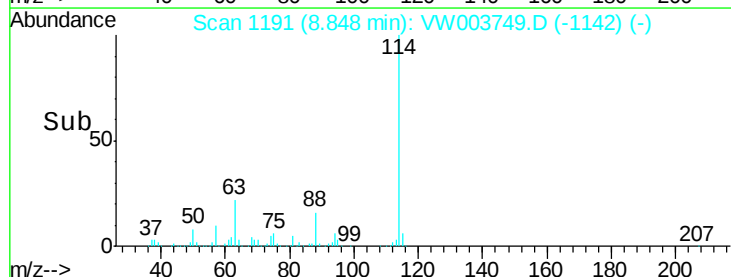
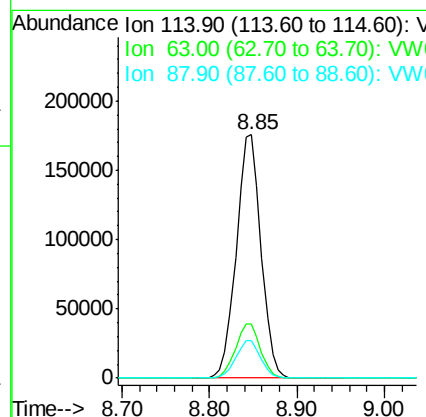
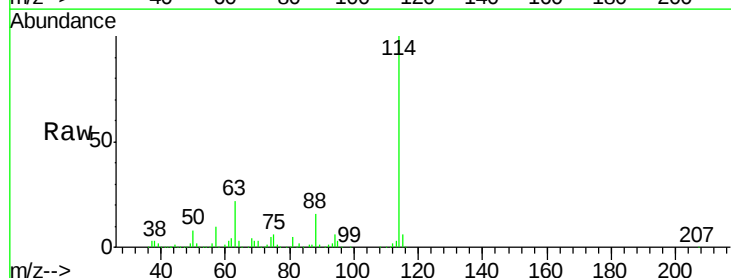
Manual Integrations
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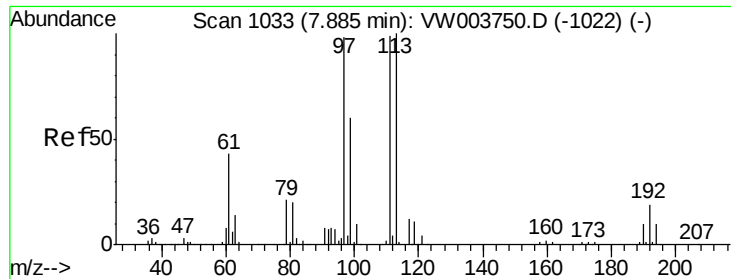
apatel
 7/9/2018 9:50:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	41.8	
88	15.6	0.0	30.2	





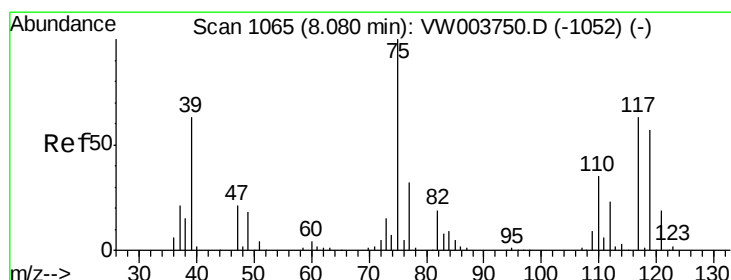
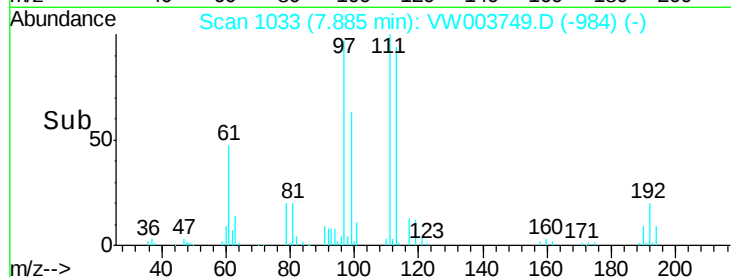
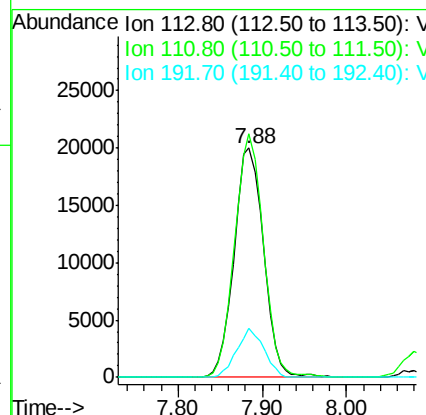
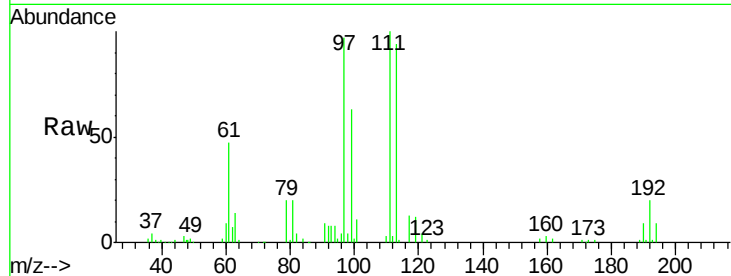
#35
 Dibromofluoromethane
 Concen: 20.83 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	19.6	15.8	23.8

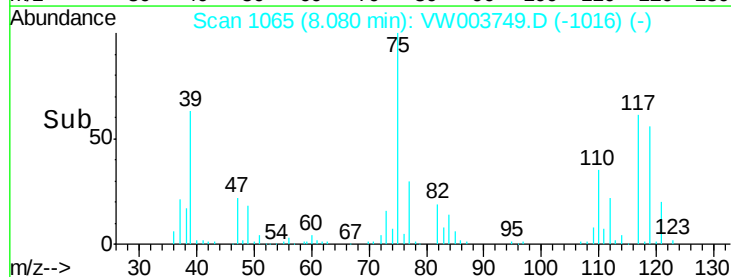
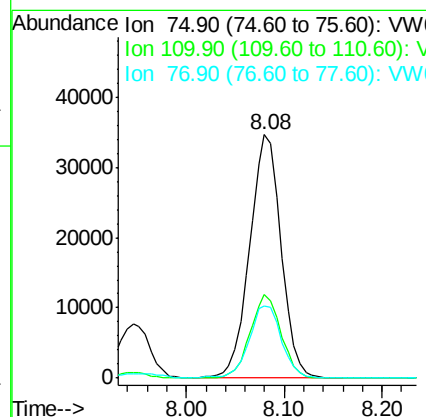
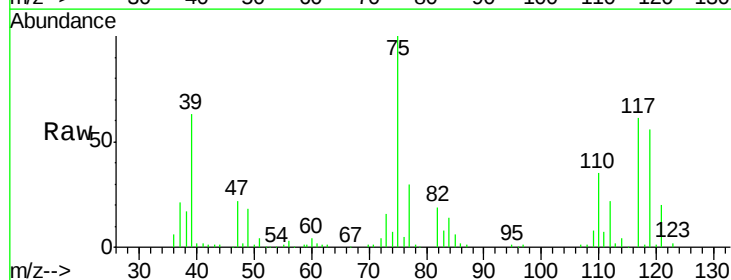
Manual Integrations
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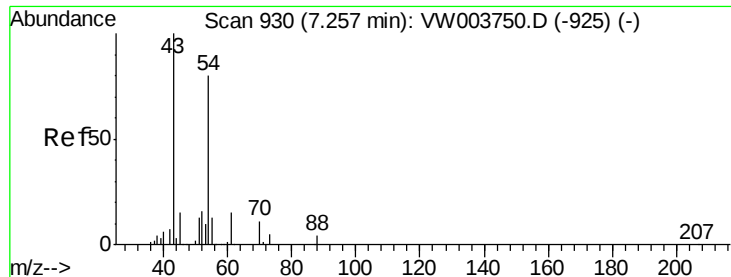
apatel
 7/9/2018 9:50:50 AM



#36
 1,1-Dichloropropene
 Concen: 22.16 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.9	24.8	37.2





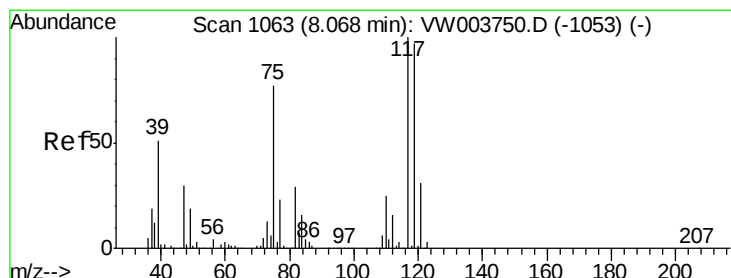
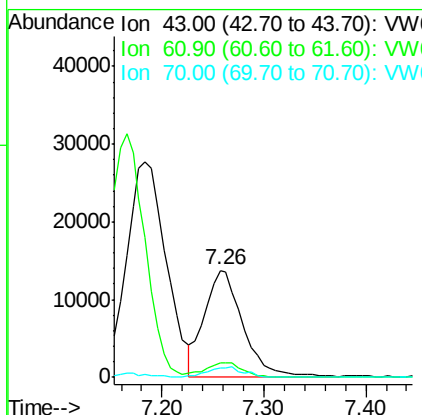
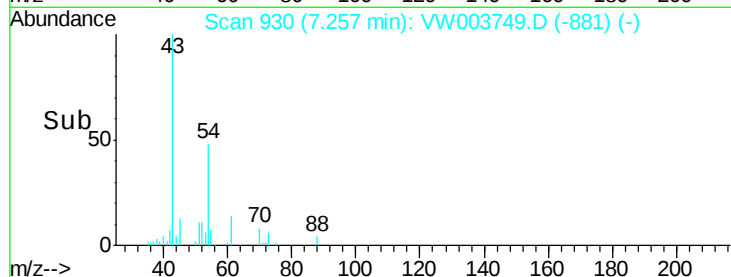
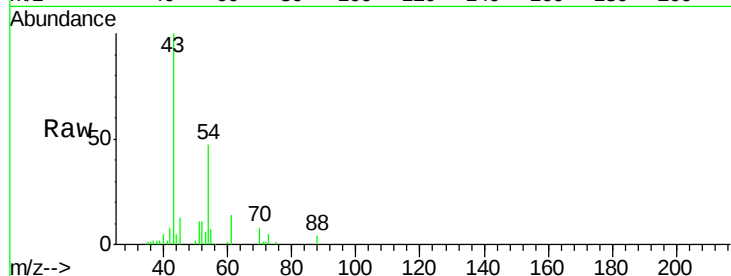
#37
Ethyl Acetate
Concen: 20.75 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	15.8
70	9.3	7.5	11.3

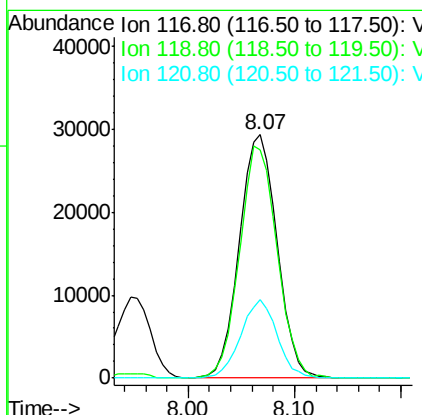
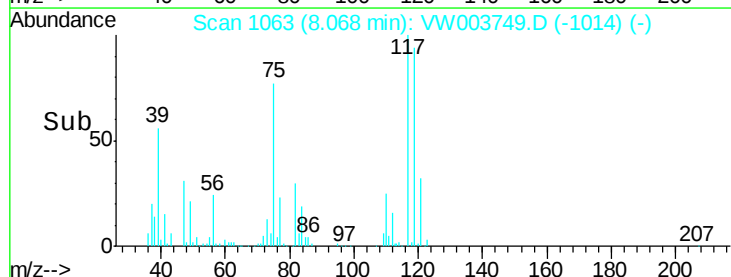
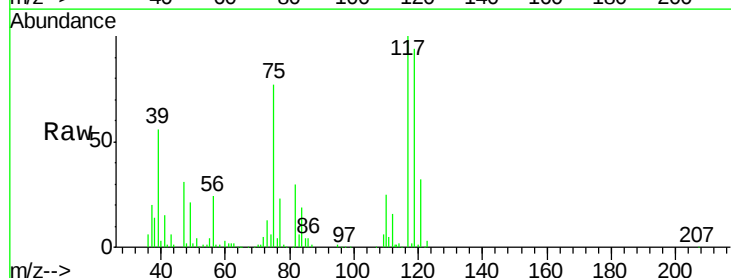
Manual Integrations
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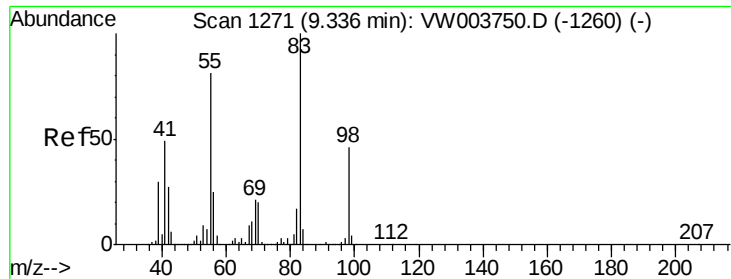
apatel
7/9/2018 9:50:50 AM



#38
Carbon Tetrachloride
Concen: 22.04 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.4	116.2
121	32.3	24.6	37.0





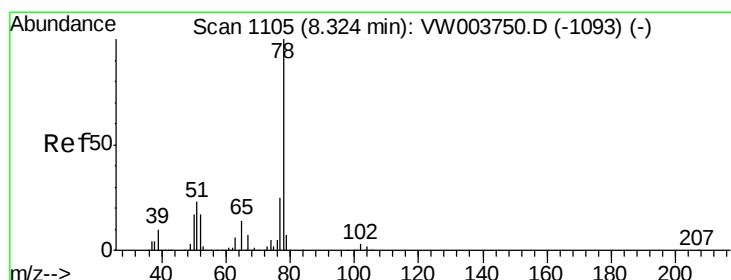
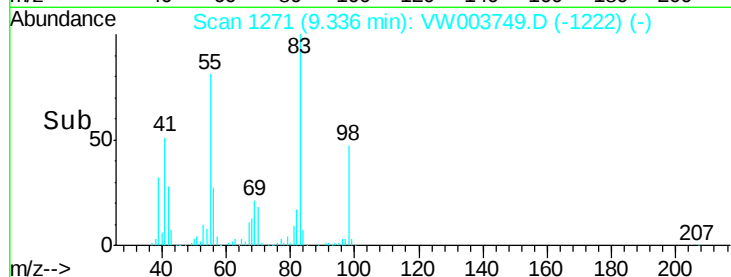
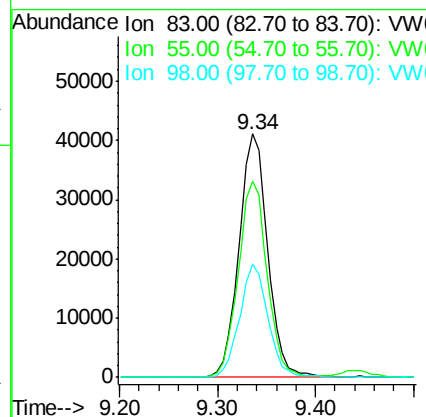
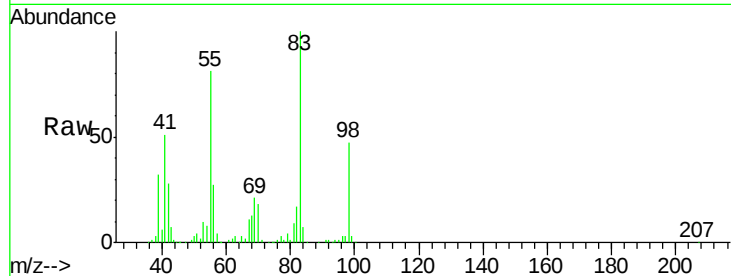
#39
Methvlcvclohexane
Concen: 20.98 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	83	Resp	83916
Ion Ratio	100	Lower	Upper
83	100		
55	80.7	65.1	97.7
98	46.6	36.7	55.1

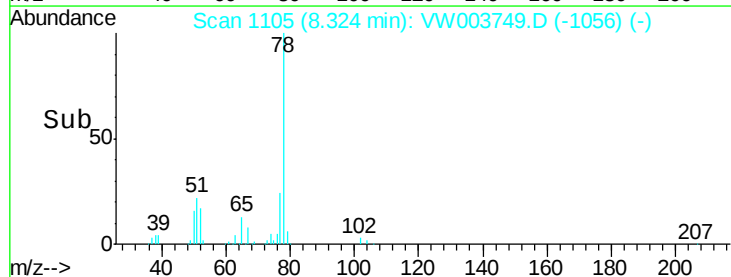
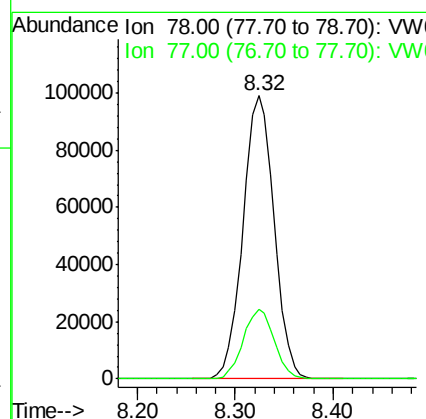
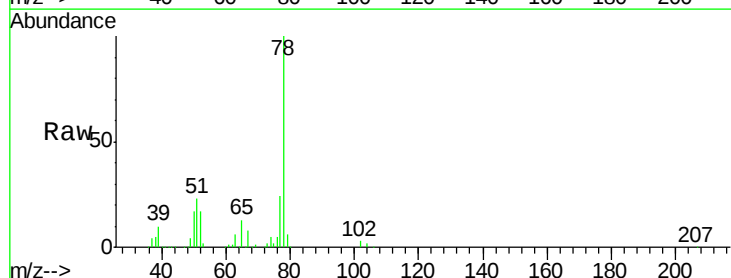
Manual Integrations
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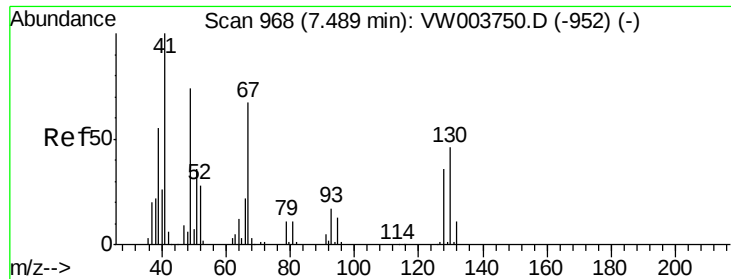
apatel
7/9/2018 9:50:50 AM



#40
Benzene
Concen: 22.11 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	78	Resp	217774
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	19.7	29.5





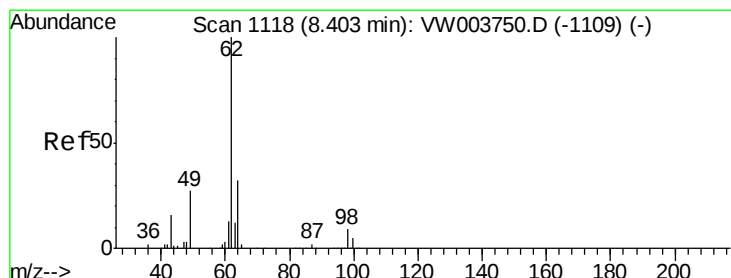
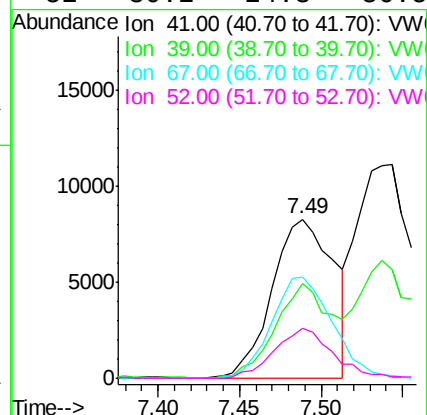
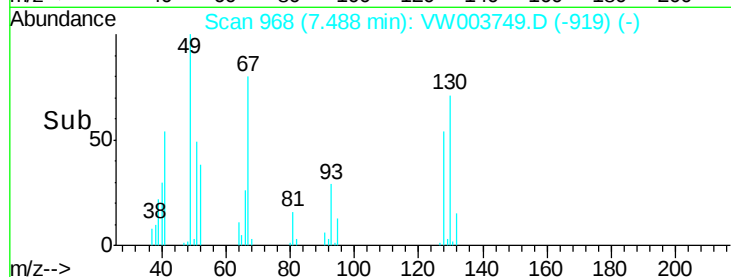
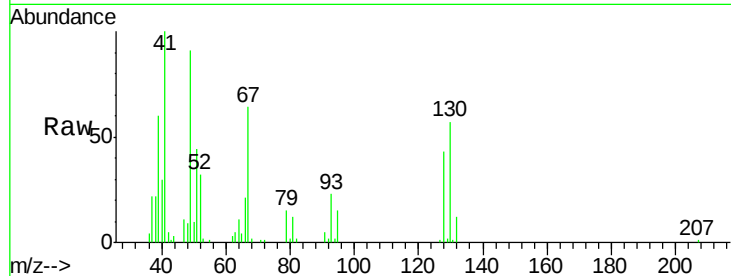
#41
Methacrylonitrile
Concen: 22.06 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	21587
Ion	Ratio	Lower	Upper
41	100		
39	54.8	49.5	74.3
67	62.7	53.8	80.8
52	30.2	24.3	36.5

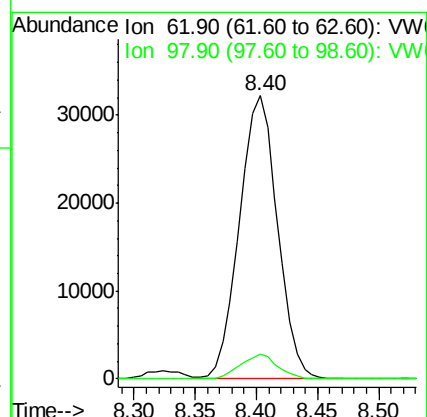
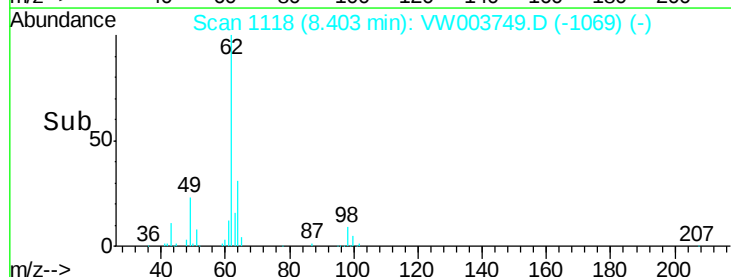
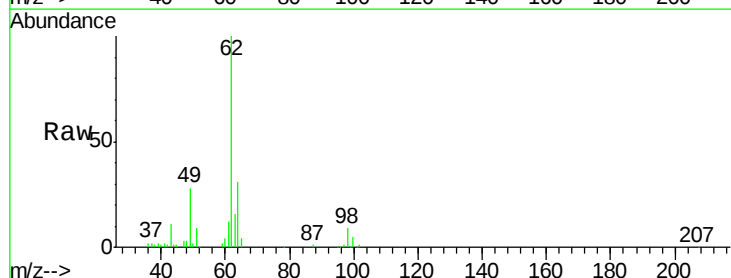
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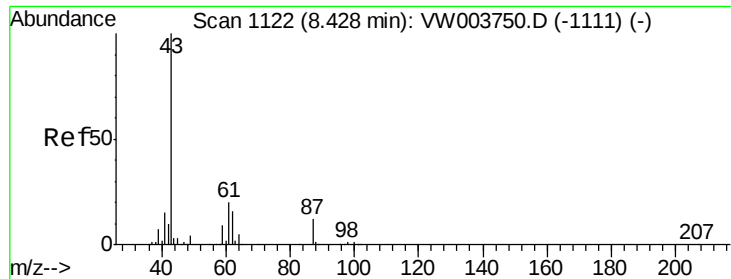
apatel
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#42
1,2-Dichloroethane
Concen: 22.32 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion:	62	Resp:	69691
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





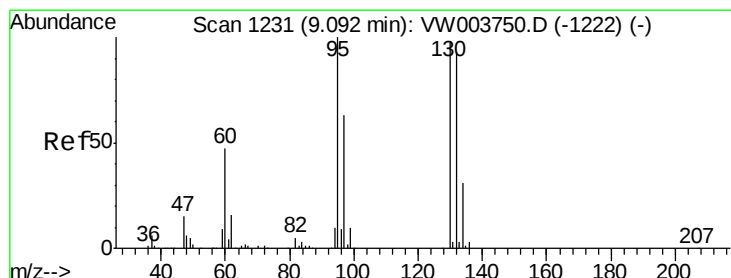
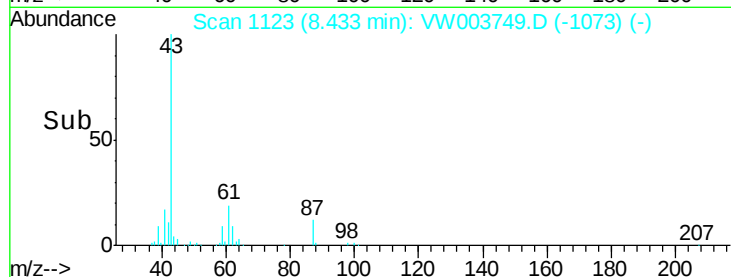
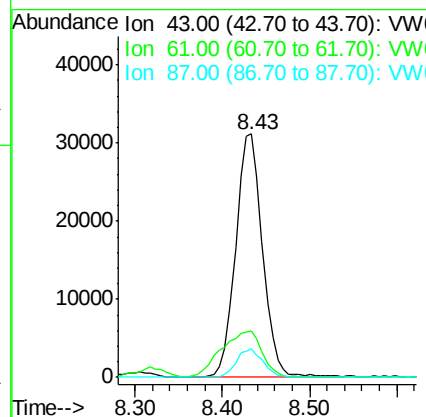
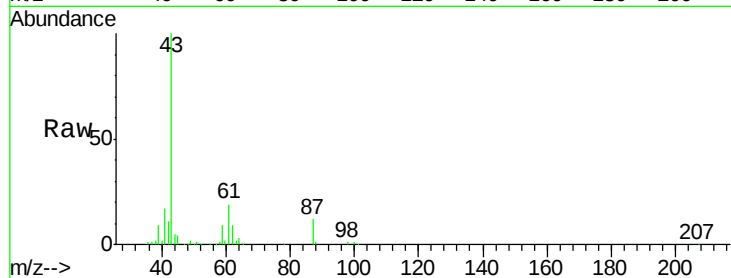
#43
Isopropyl Acetate
Concen: 20.62 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.8	34.2
87	11.4	9.5	14.3

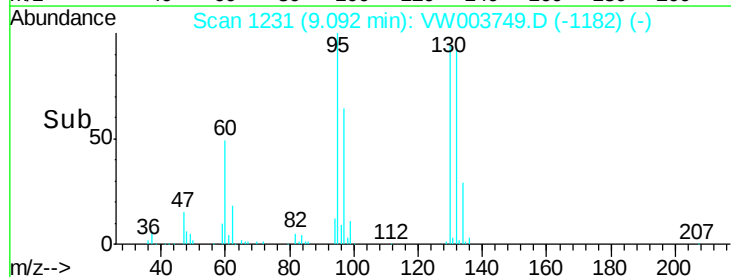
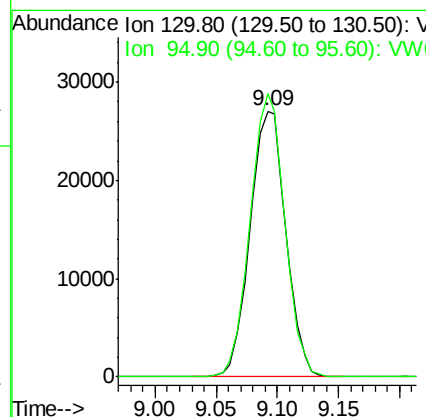
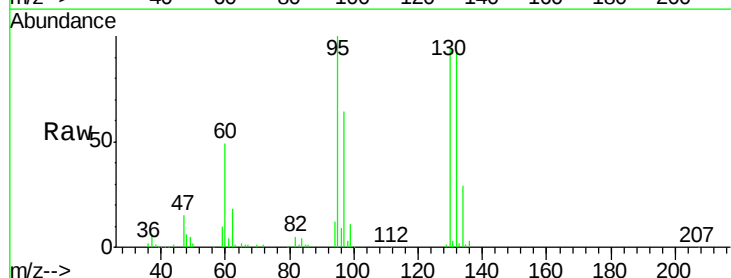
Manual Integrations
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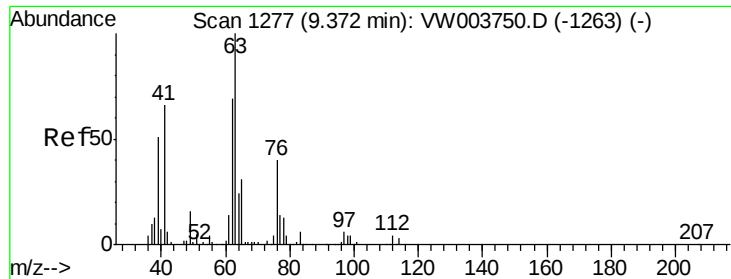
apatel
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#44
Trichloroethene
Concen: 21.64 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	203.8





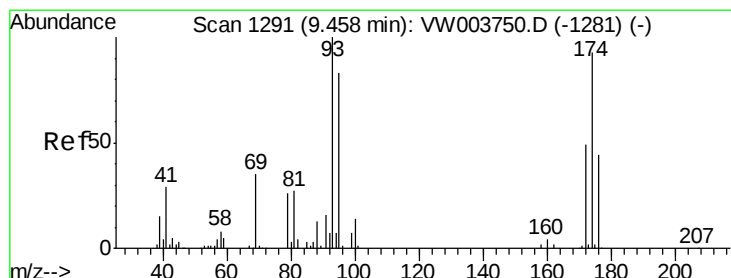
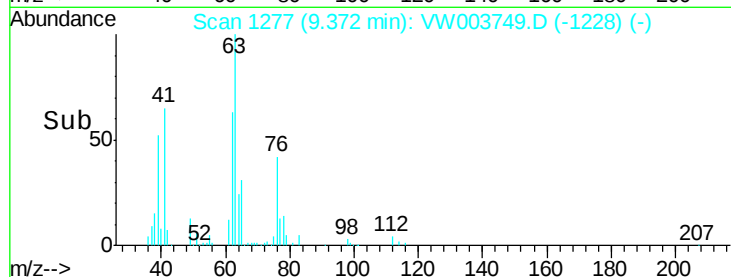
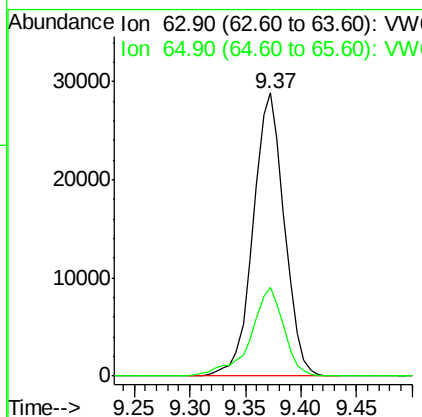
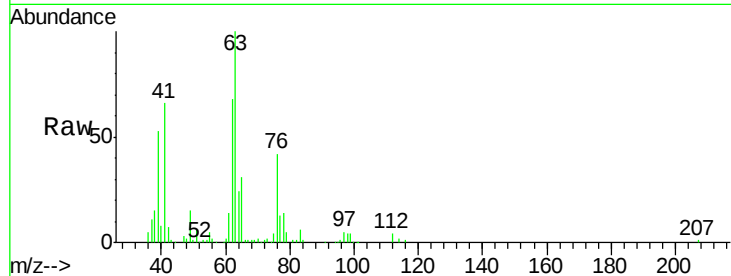
#45
 1,2-Dichloropropane
 Concen: 22.06 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.9	37.3

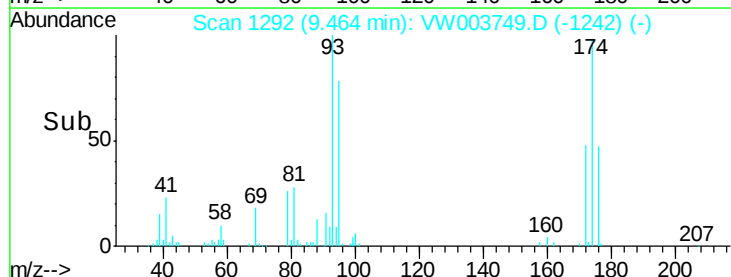
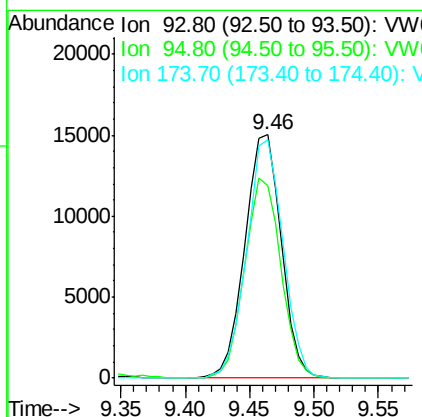
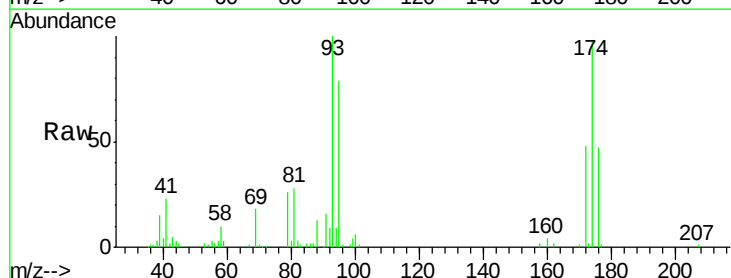
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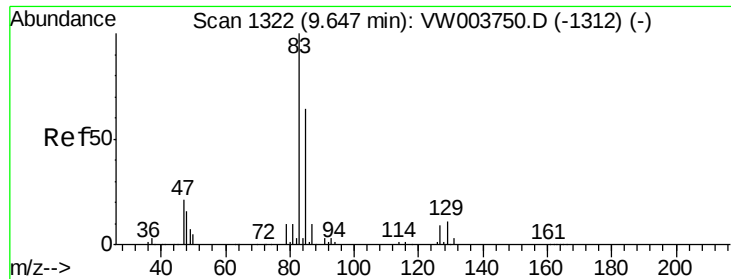
apatel
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#46
 Dibromomethane
 Concen: 21.97 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	67.2	100.8
174	97.8	78.1	117.1





#47

Bromodichloromethane

Concen: 21.85 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

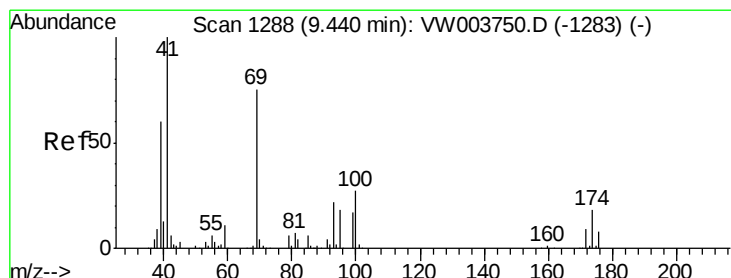
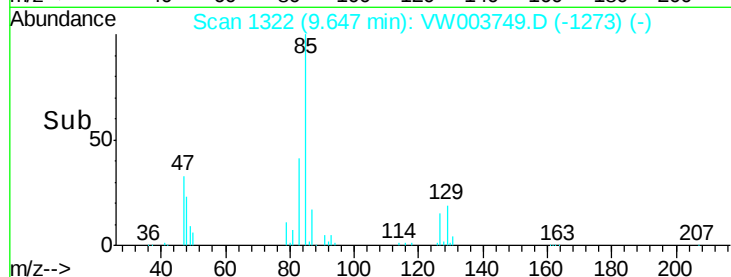
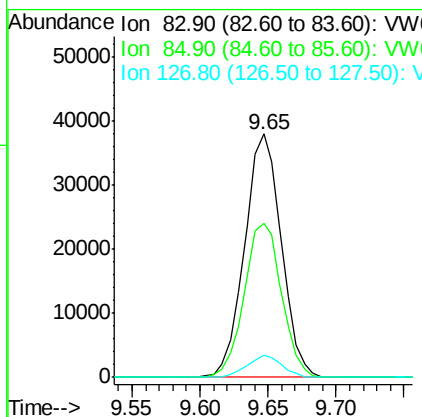
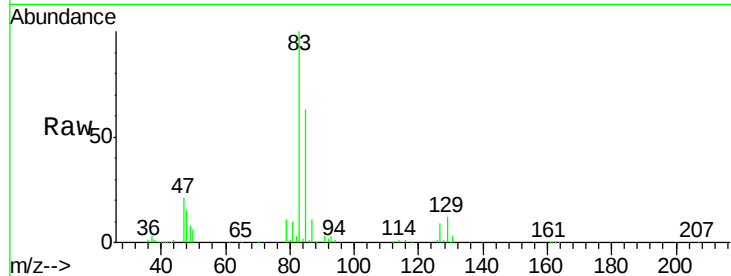
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	71881
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.4	77.0
127	9.3	6.8	10.2

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#48

Methyl methacrylate

Concen: 20.68 ug/l

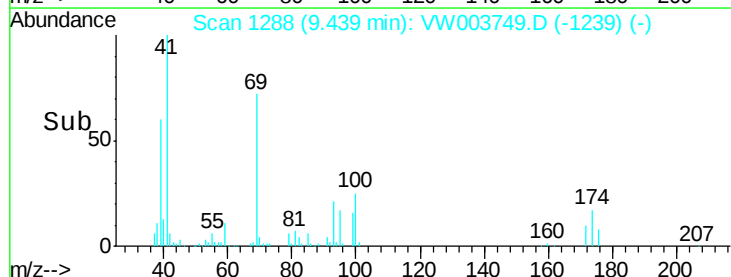
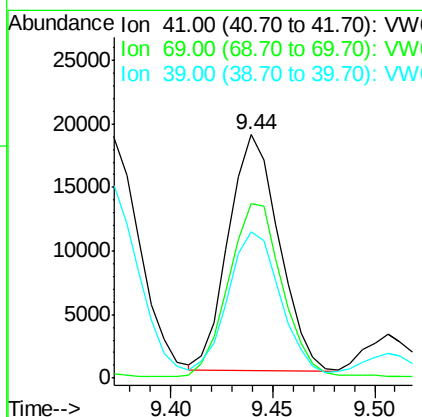
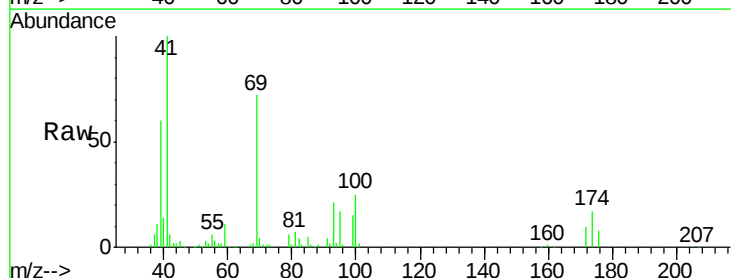
RT: 9.44 min Scan# 1288

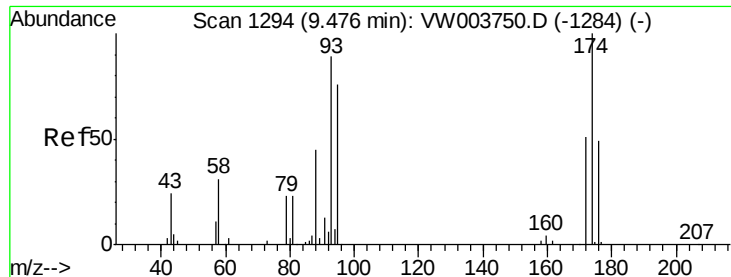
Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Tgt Ion:	41	Resp:	31885
Ion Ratio	Lower	Upper	
41	100		
69	80.8	63.8	95.8
39	64.8	50.2	75.2





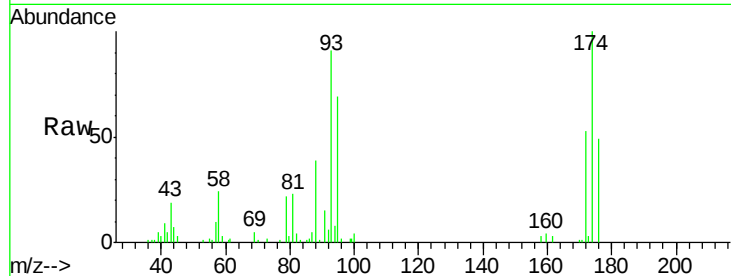
#49
1,4-Dioxane
Concen: 412.05 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

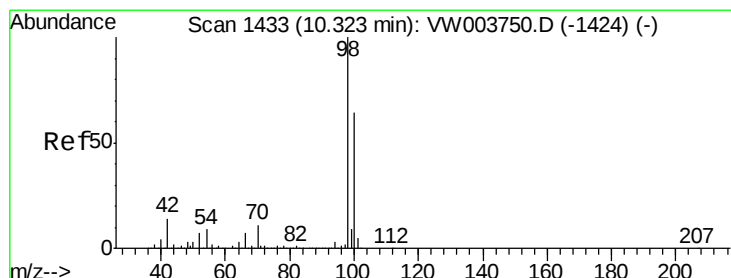
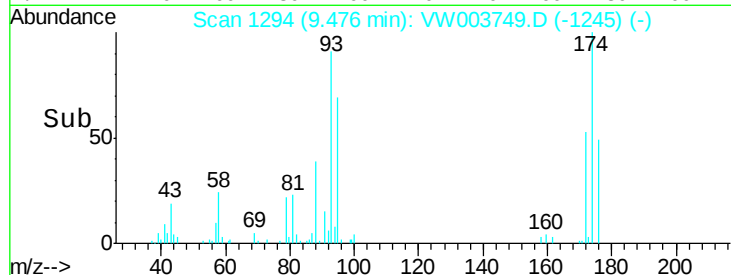
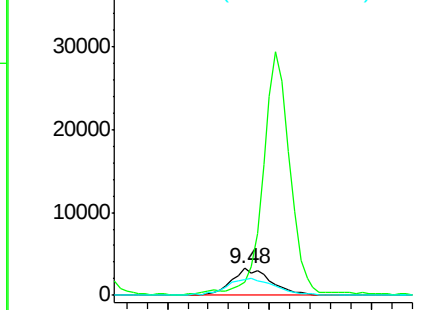
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.1	59.7	89.5

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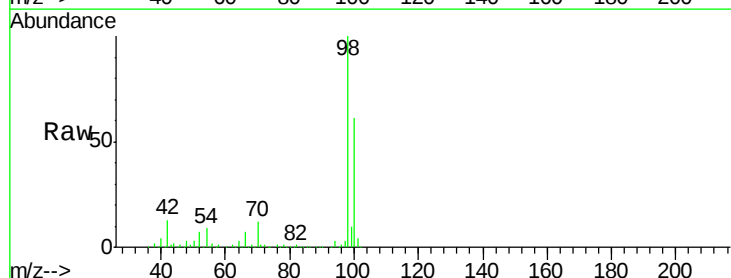


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

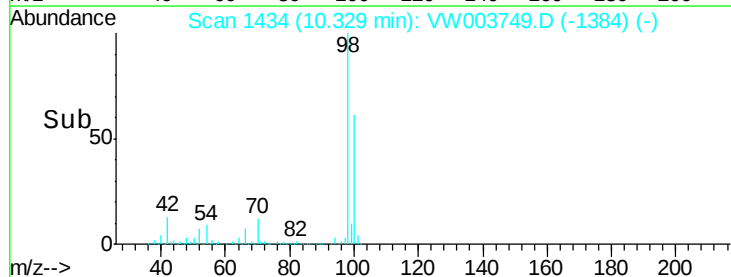
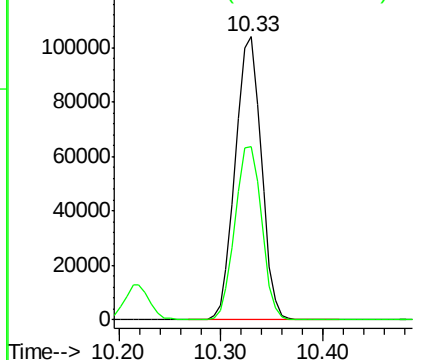


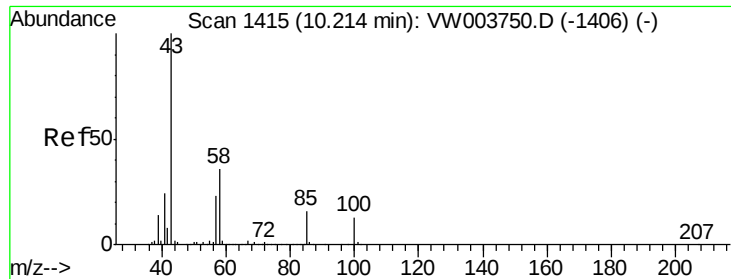
#50
Toluene-d8
Concen: 20.65 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.8	76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 103.51 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 177465

Ion Ratio Lower Upper

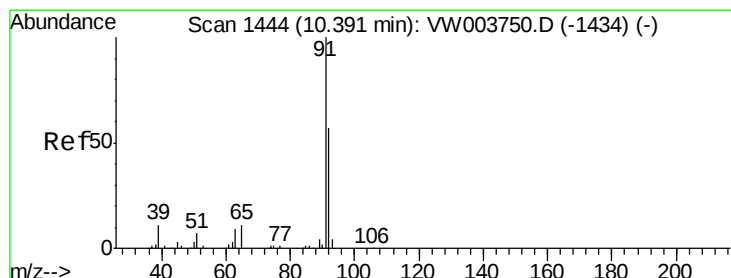
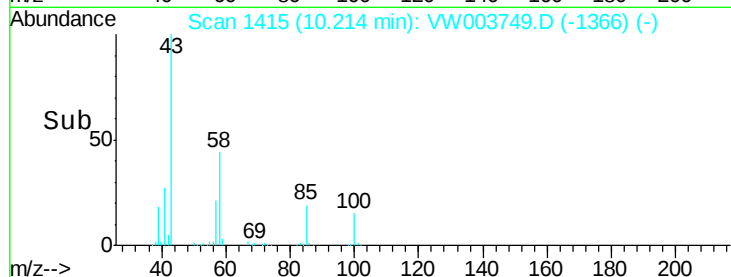
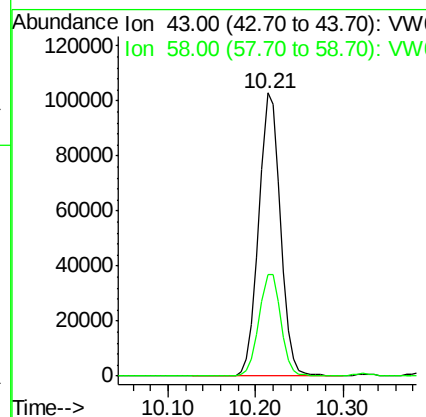
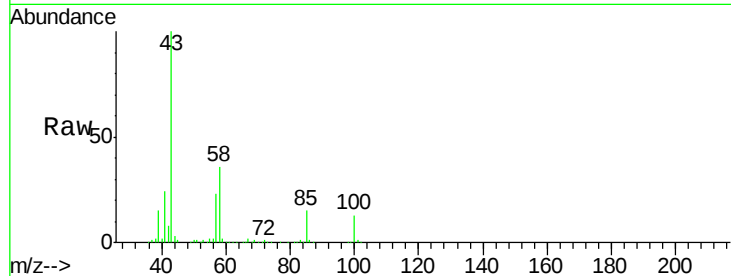
43 100

58 36.3 29.3 43.9

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#52

Toluene

Concen: 22.12 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003749.D

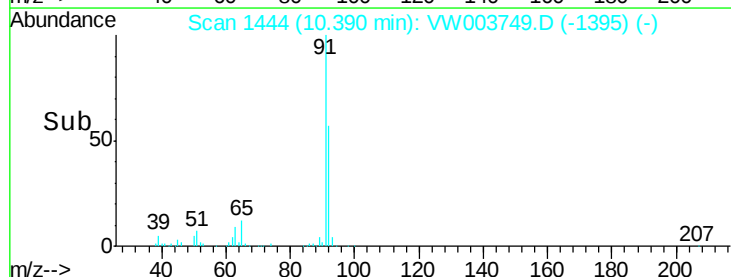
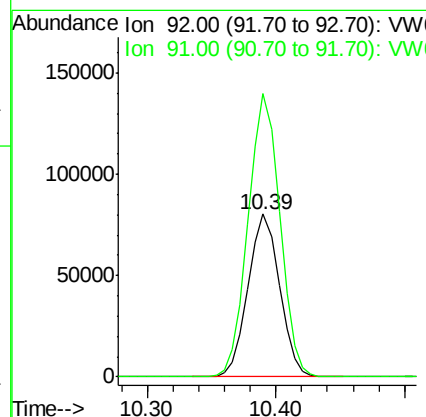
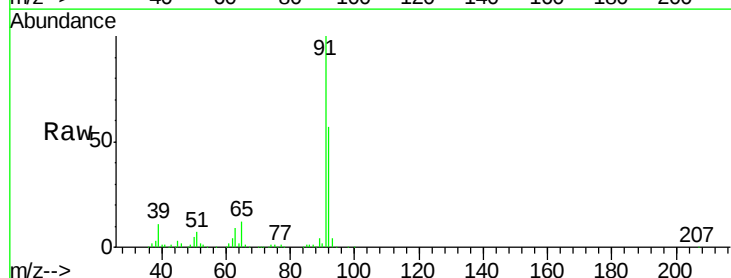
Acq: 06 Jul 2018 23:40

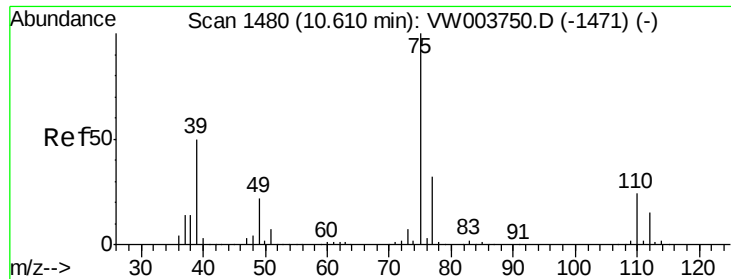
Tgt Ion: 92 Resp: 135762

Ion Ratio Lower Upper

92 100

91 175.2 140.6 211.0





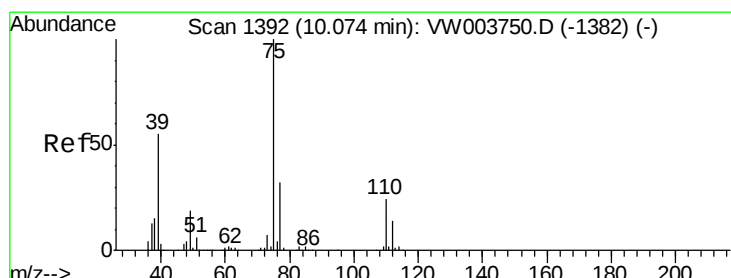
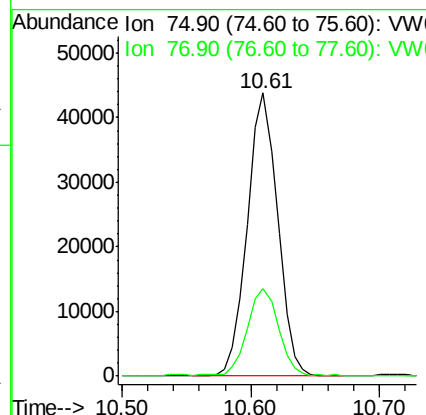
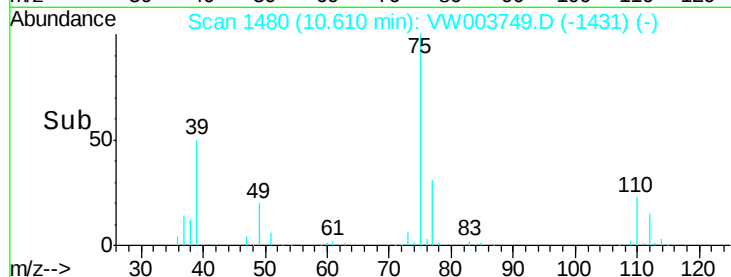
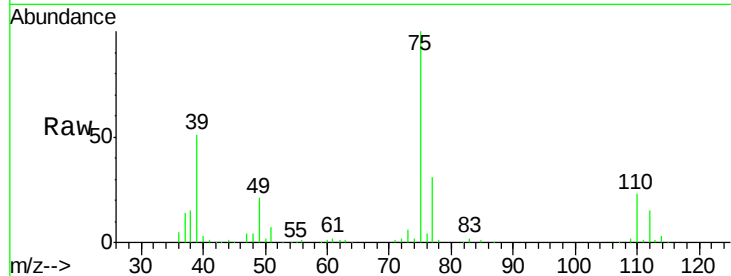
#53
t-1,3-Dichloropropene
Concen: 20.94 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 71263
Ion Ratio Lower Upper
75 100
77 30.6 25.5 38.3

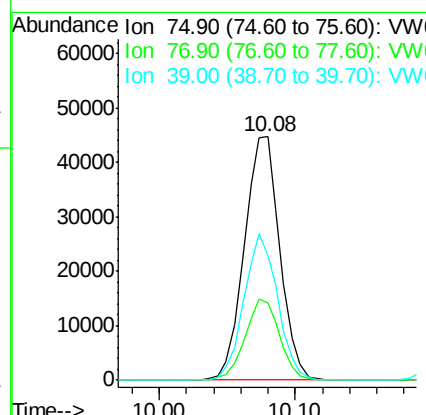
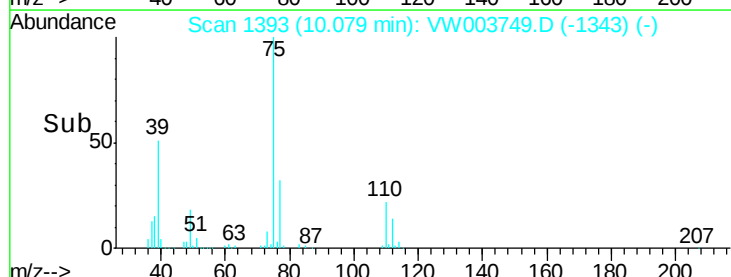
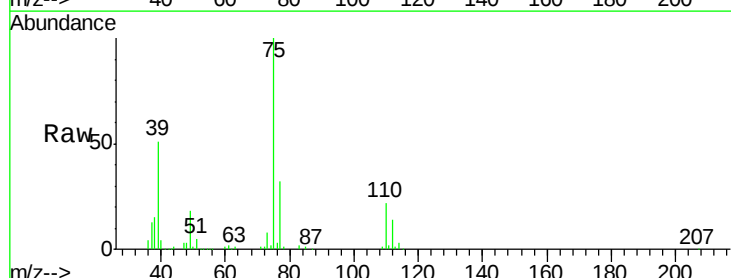
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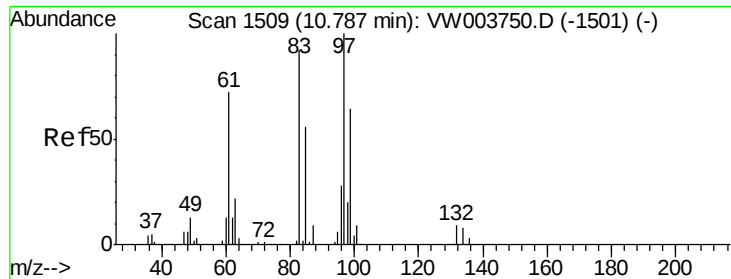
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#54
cis-1,3-Dichloropropene
Concen: 21.13 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion: 75 Resp: 81293
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4
39 51.0 43.6 65.4





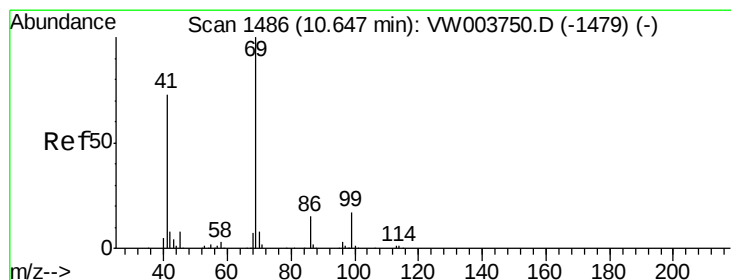
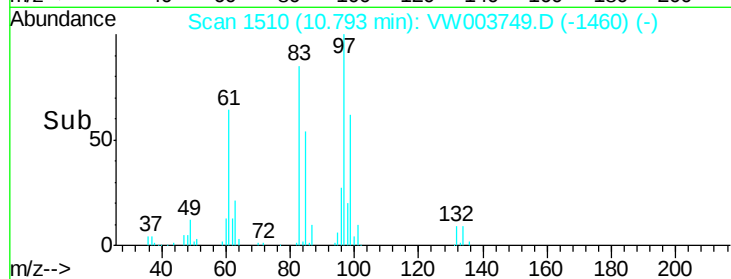
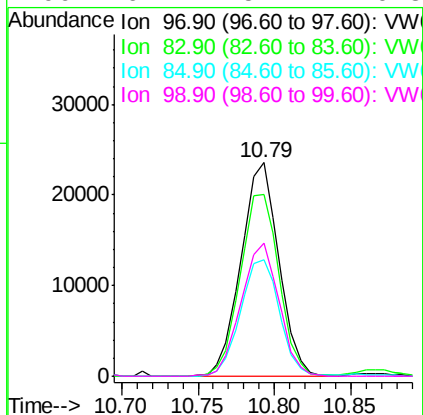
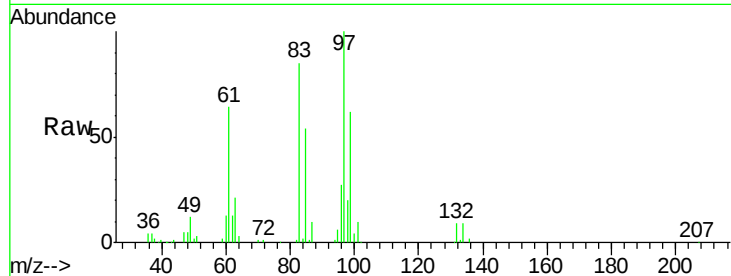
#55
 1,1,2-Trichloroethane
 Concen: 21.62 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	73.8	110.6
85	54.3	45.0	67.4
99	62.2	51.2	76.8

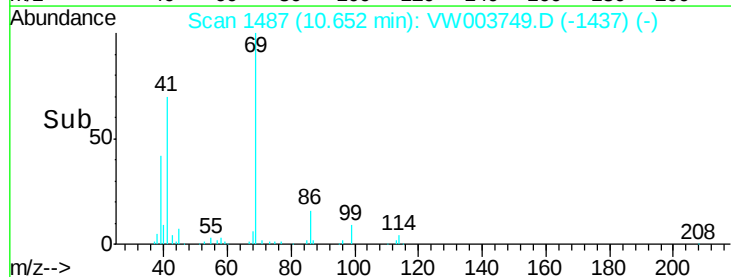
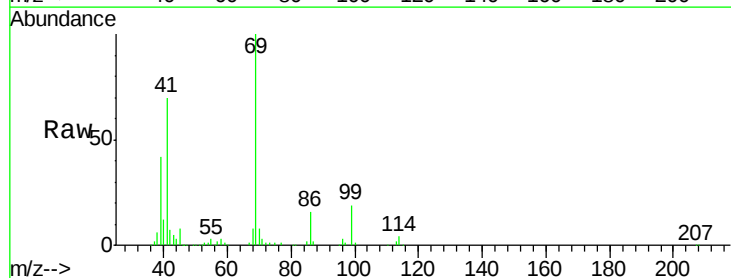
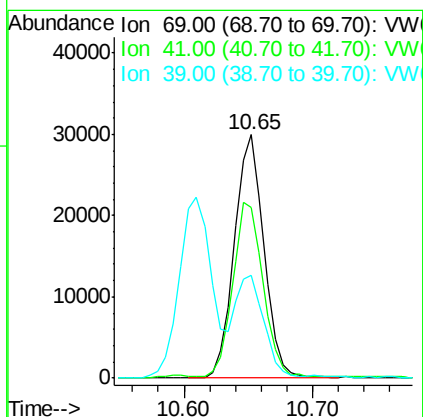
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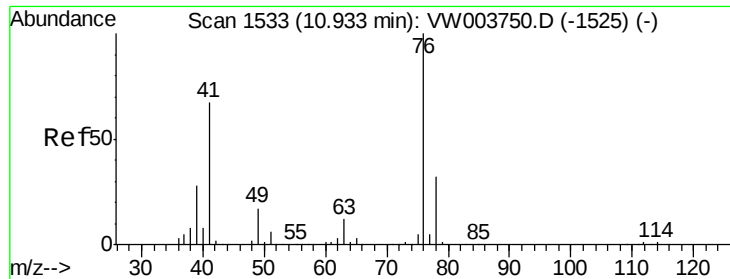
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#56
 Ethyl methacrylate
 Concen: 20.17 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.4	59.0	88.4
39	39.0	32.8	49.2





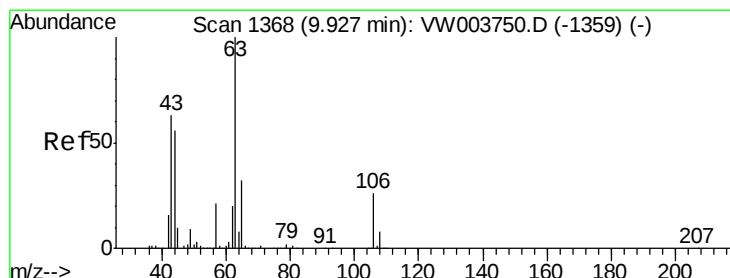
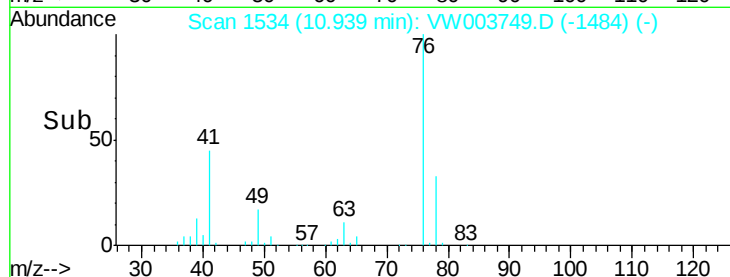
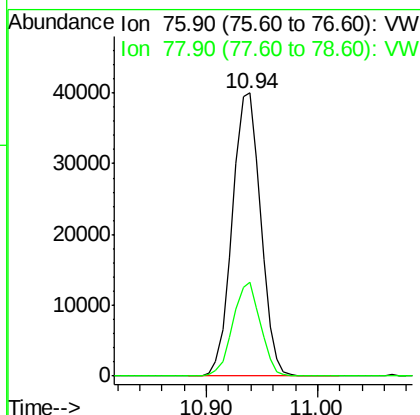
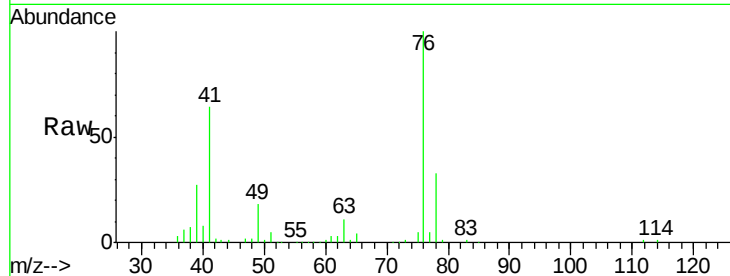
#57
 1,3-Dichloropropane
 Concen: 21.64 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 70768
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4

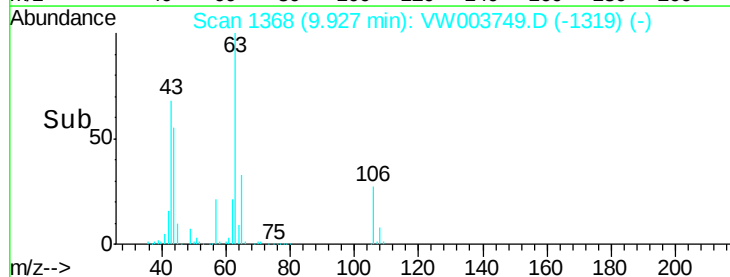
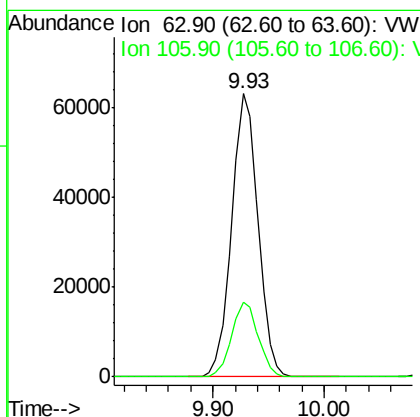
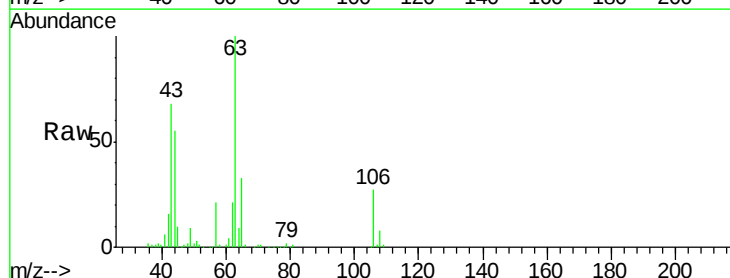
Manual Integrations
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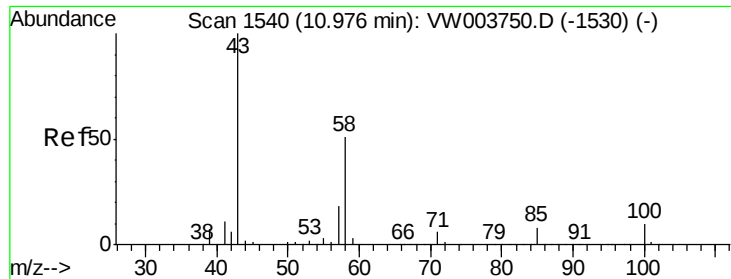
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 7/9/2018 9:50:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.26 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion: 63 Resp: 103324
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.9 31.3





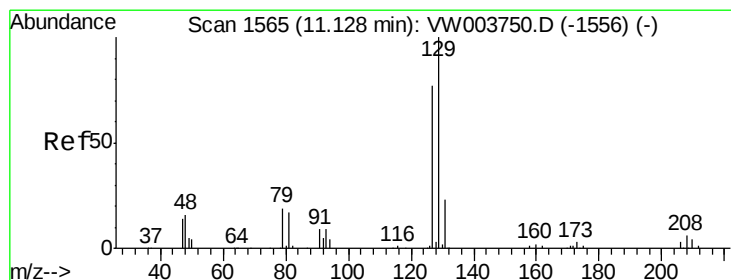
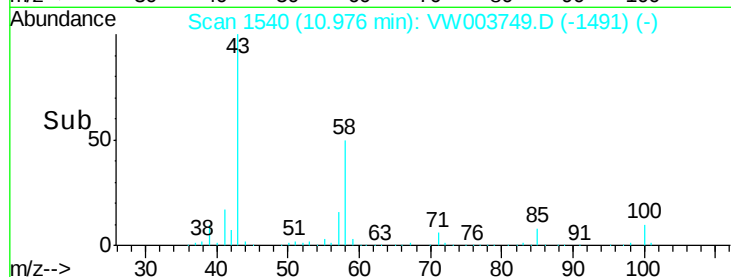
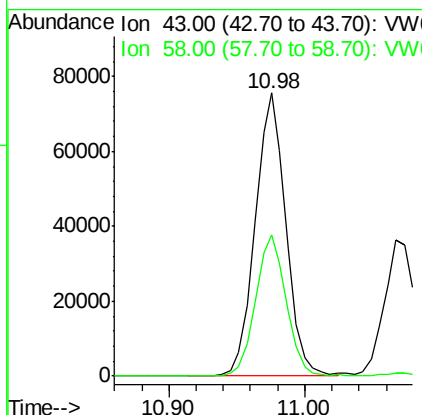
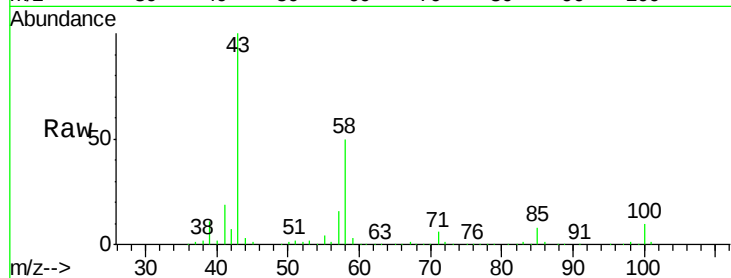
#59
2-Hexanone
Concen: 97.96 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	43	58	Ratio	Lower	Upper
119535	100	49.8		25.4	76.2

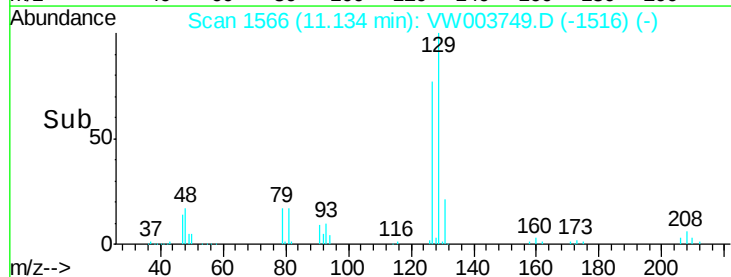
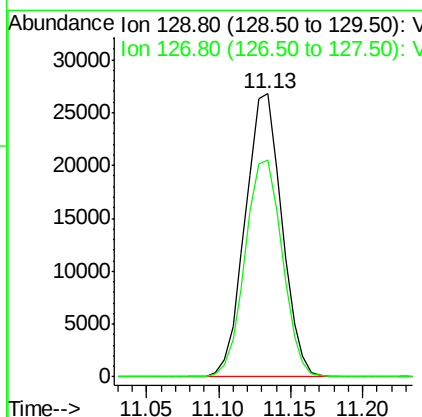
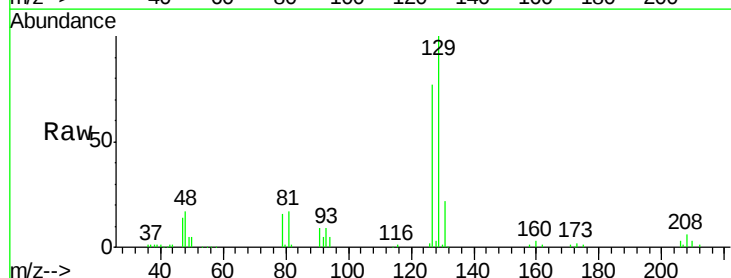
Manual Integrations
APPROVED

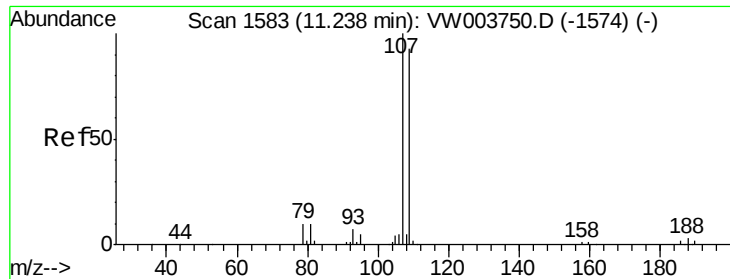
apatel
7/9/2018 9:50:50 AM



#60
Dibromochloromethane
Concen: 21.45 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	129	127	Ratio	Lower	Upper
47218	100	77.6		38.9	116.6





#61

1,2-Dibromoethane

Concen: 21.08 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 38052

Ion Ratio Lower Upper

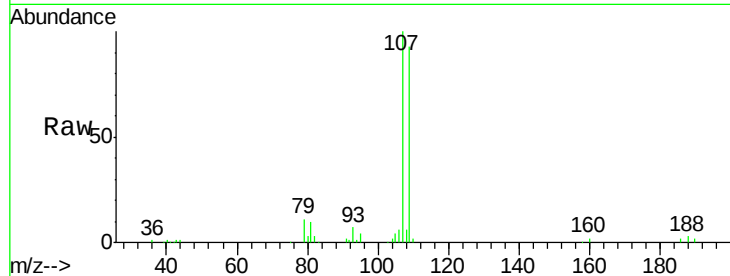
107 100

109 96.6 75.1 112.7

Manual Integrations
APPROVED

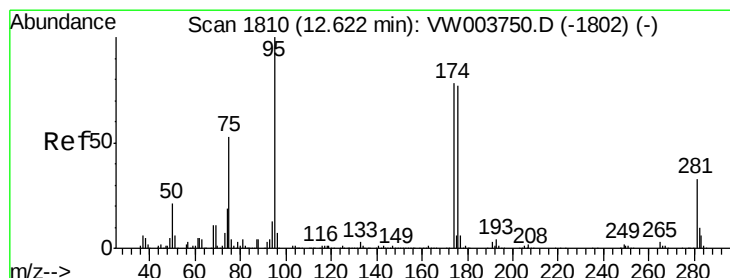
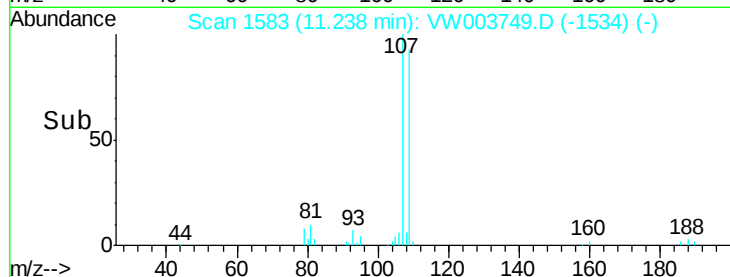
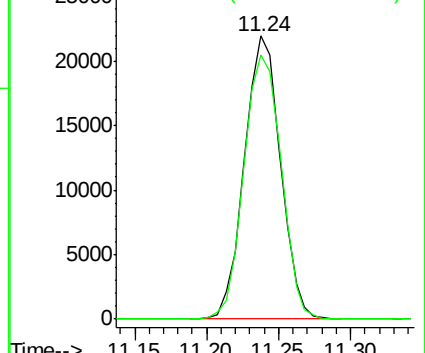
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.98 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

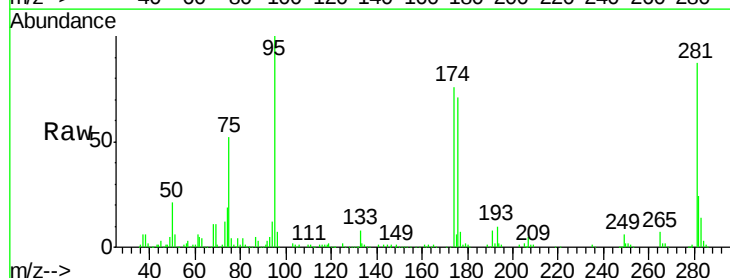
Tgt Ion: 95 Resp: 67094

Ion Ratio Lower Upper

95 100

174 81.5 0.0 163.4

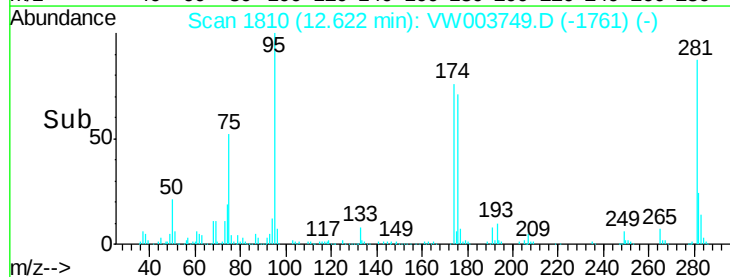
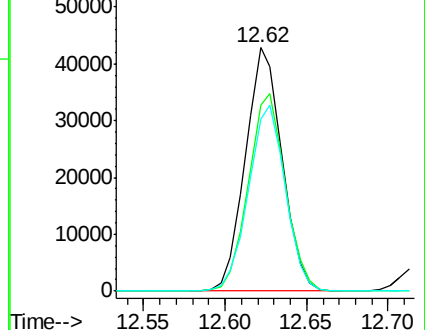
176 76.7 0.0 156.8

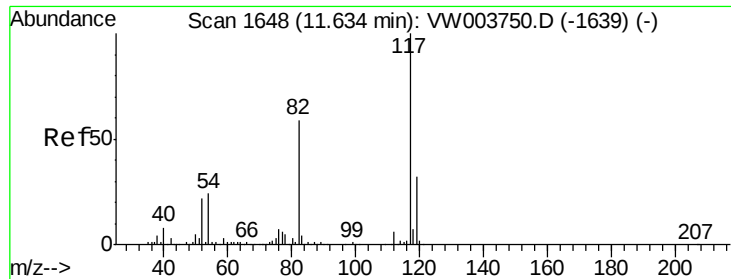


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





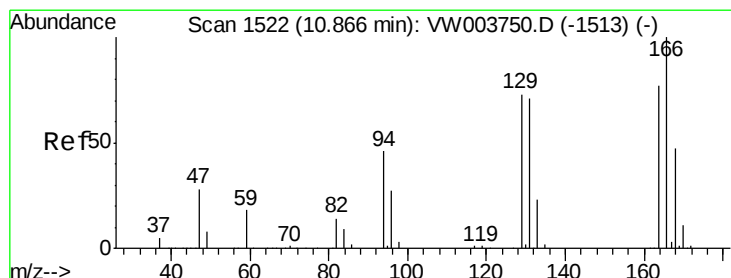
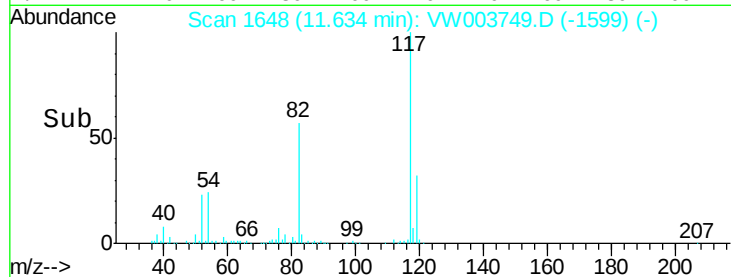
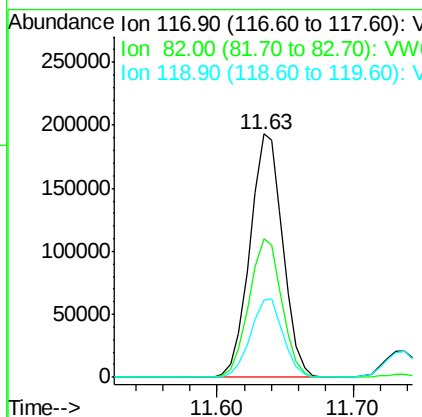
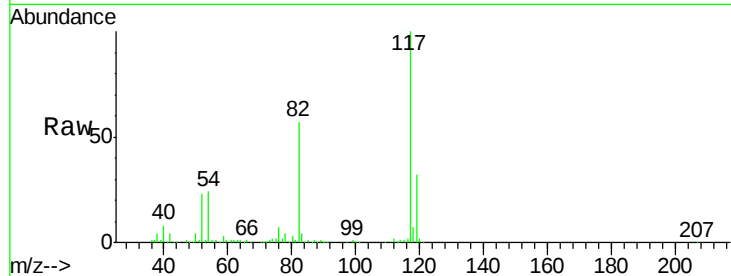
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	326882		
82	57.1	46.9	70.3	
119	31.7	25.5	38.3	

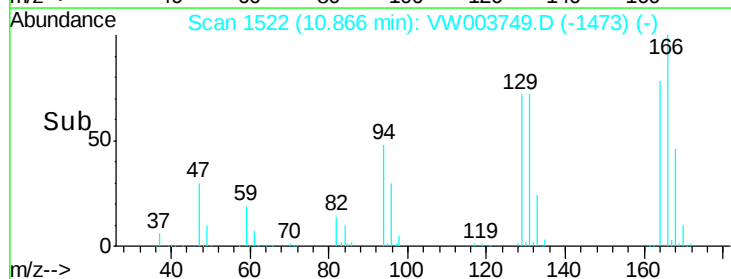
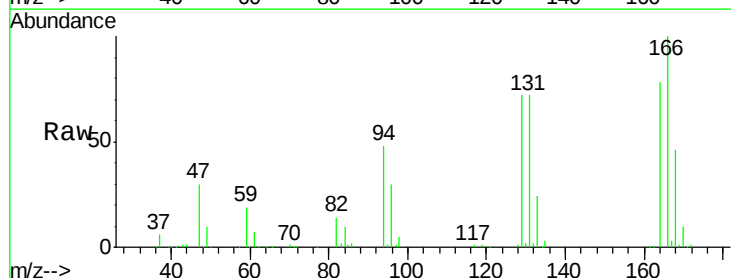
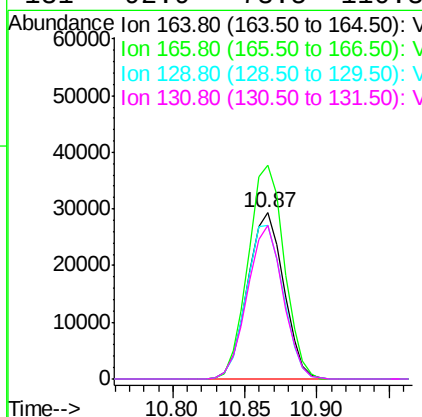
Manual Integrations
APPROVED

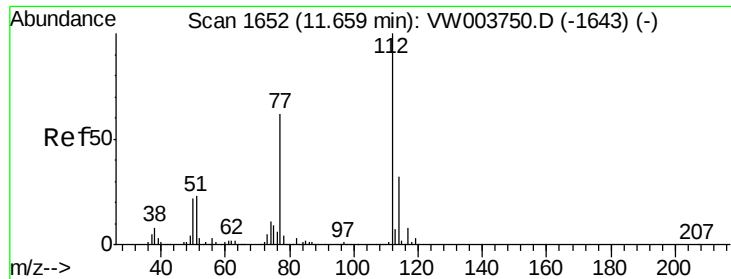
apatel
7/9/2018 9:50:50 AM



#64
Tetrachloroethene
Concen: 22.57 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50789		
166	128.8	104.2	156.4	
129	92.8	75.8	113.8	
131	92.9	73.5	110.3	





#65

Chlorobenzene

Concen: 21.54 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 149346

Ion Ratio Lower Upper

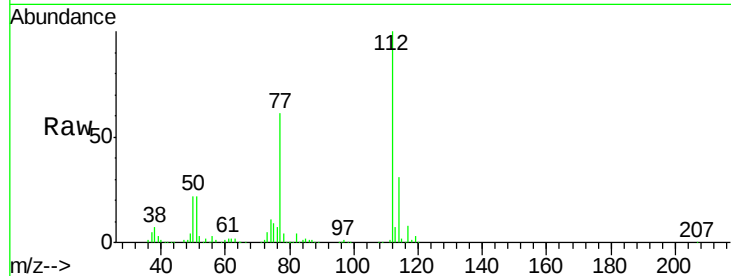
112 100

114 30.6 26.0 39.0

Manual Integrations
APPROVED

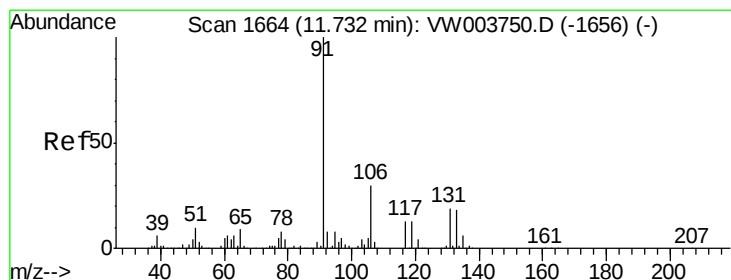
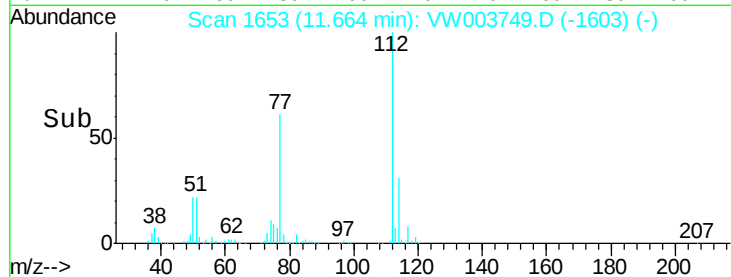
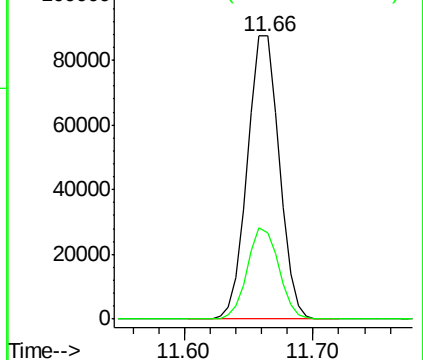
apatel

7/9/2018 9:50:50 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.45 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

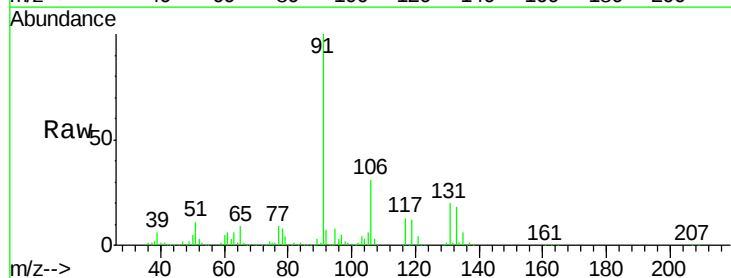
Tgt Ion:131 Resp: 51914

Ion Ratio Lower Upper

131 100

133 96.8 48.0 144.2

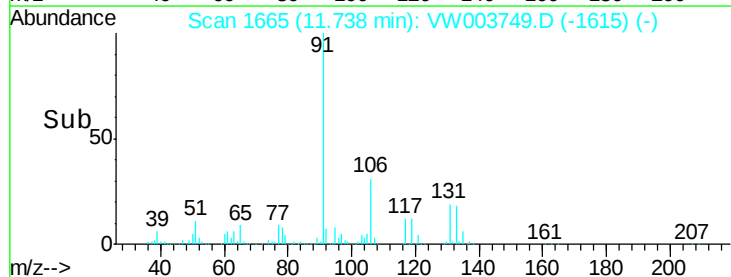
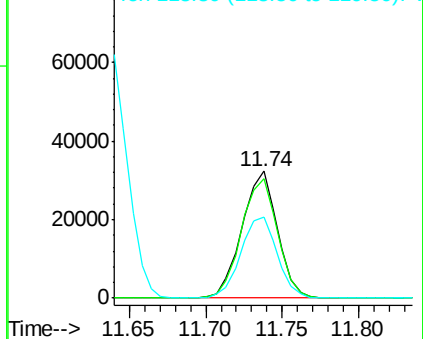
119 66.1 33.2 99.6

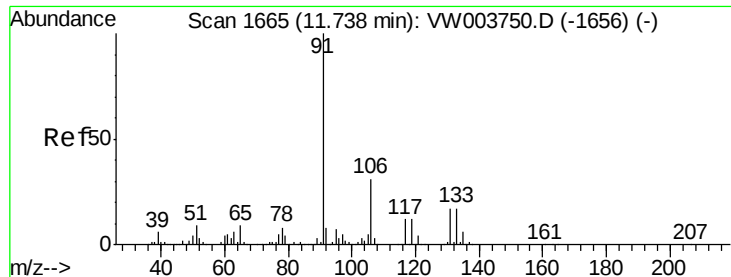


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





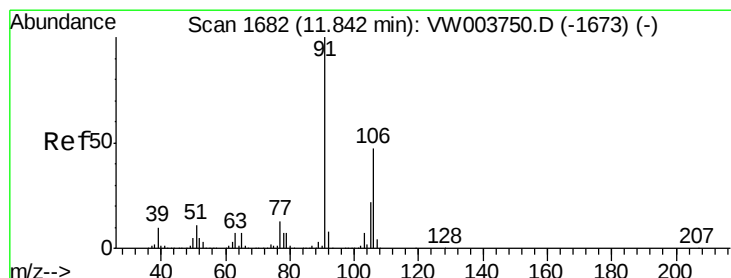
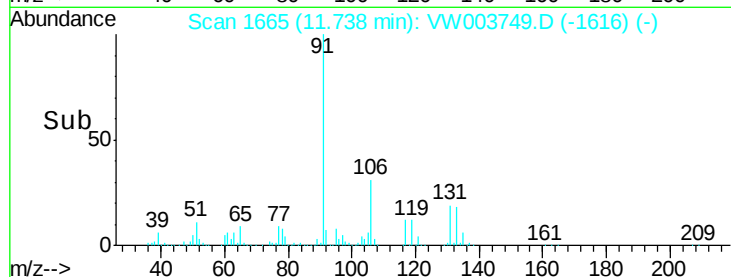
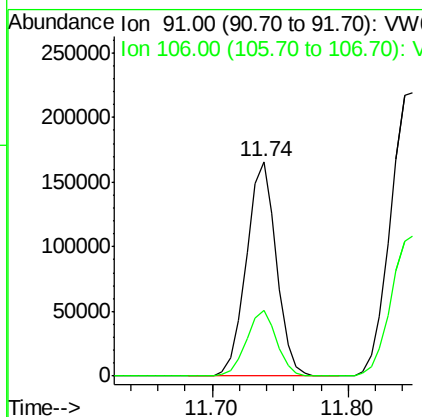
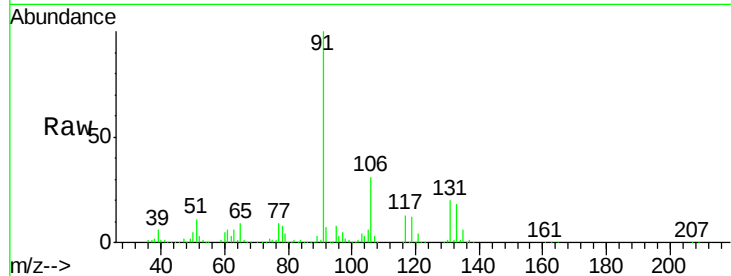
#67
Ethyl Benzene
Concen: 21.10 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 255502
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

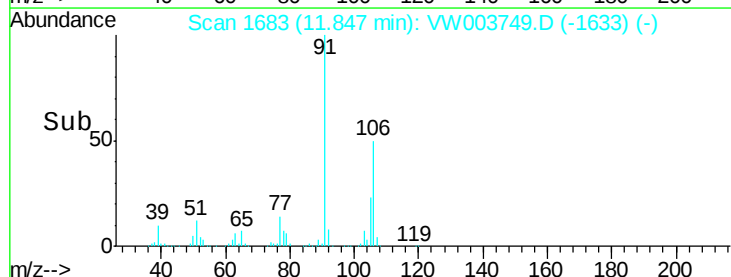
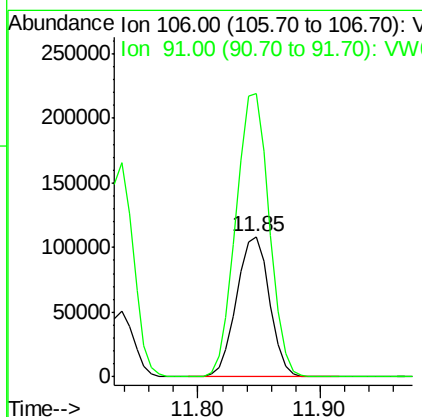
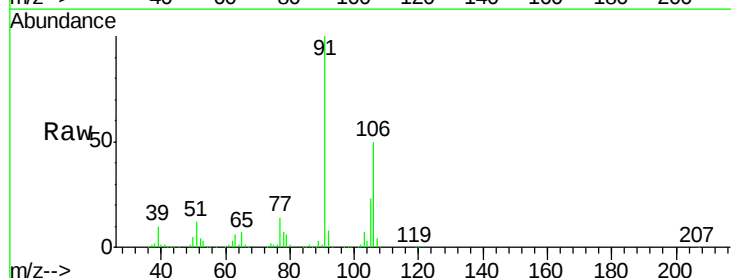
Manual Integrations
APPROVED

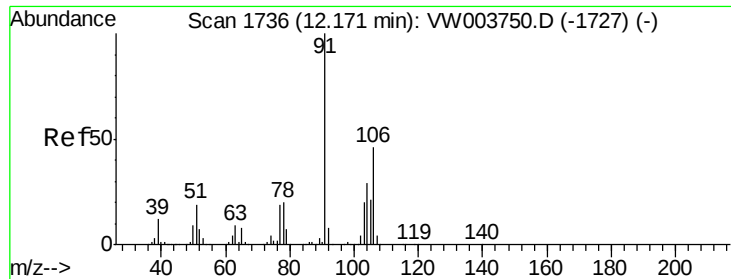
apatel
7/9/2018 9:50:50 AM



#68
m/p-Xylenes
Concen: 43.87 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion: 106 Resp: 202411
Ion Ratio Lower Upper
106 100
91 204.7 164.3 246.5





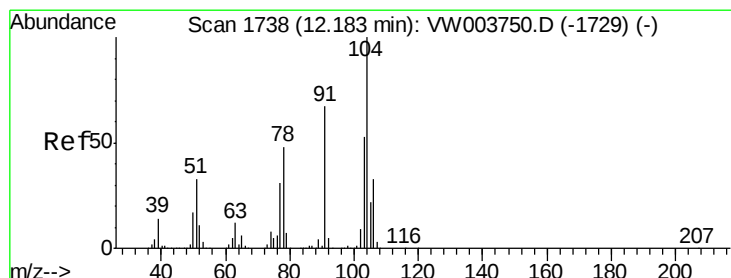
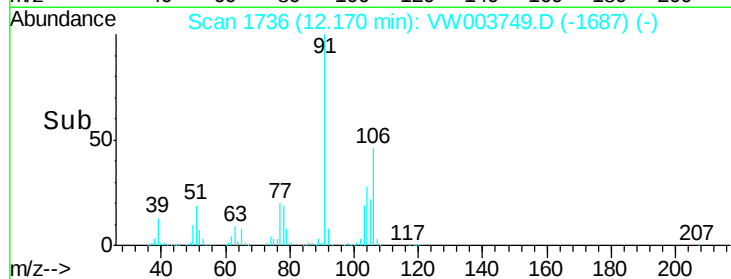
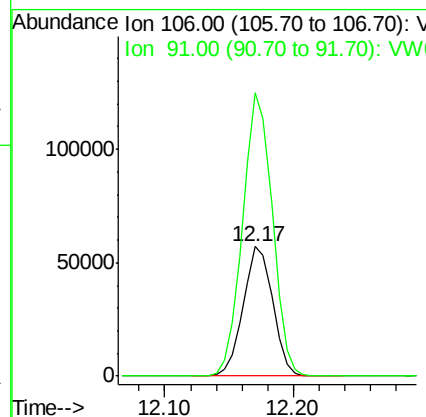
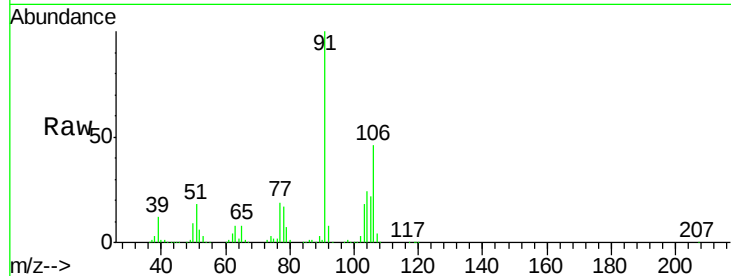
#69
o-Xylene
Concen: 21.26 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 90869
Ion Ratio Lower Upper
106 100
91 219.4 109.1 327.2

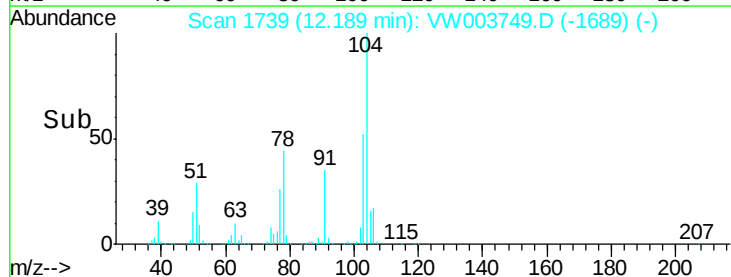
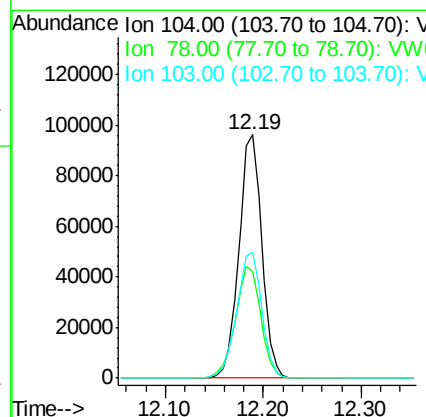
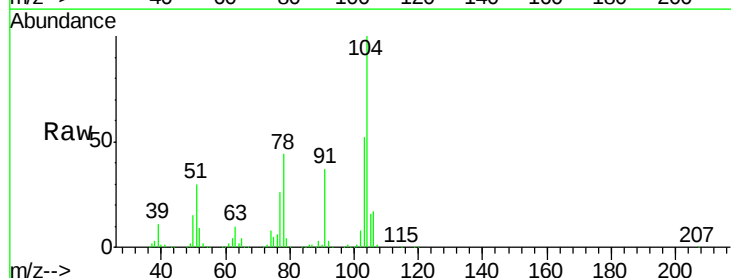
Manual Integrations
APPROVED

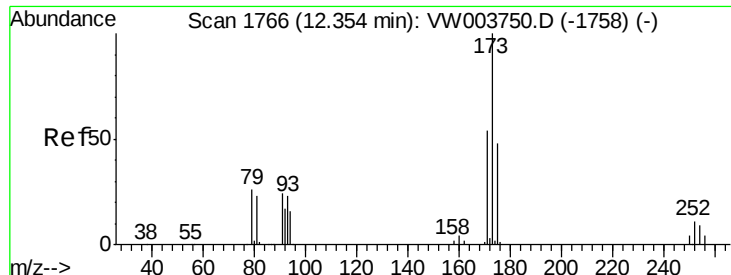
apatel
7/9/2018 9:50:50 AM



#70
Styrene
Concen: 21.80 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion:104 Resp: 156564
Ion Ratio Lower Upper
104 100
78 50.6 41.1 61.7
103 56.5 44.6 67.0





#71

Bromoform

Concen: 20.62 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 27955

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.4

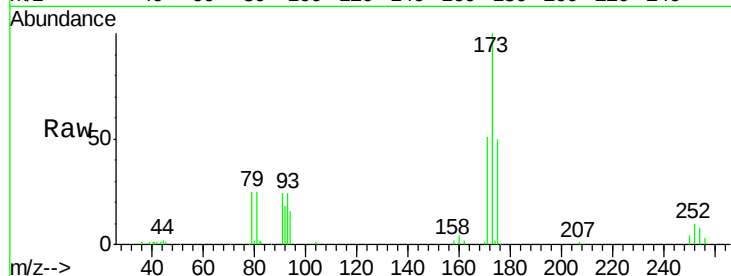
254 0.0 0.0 0.0

Manual Integrations

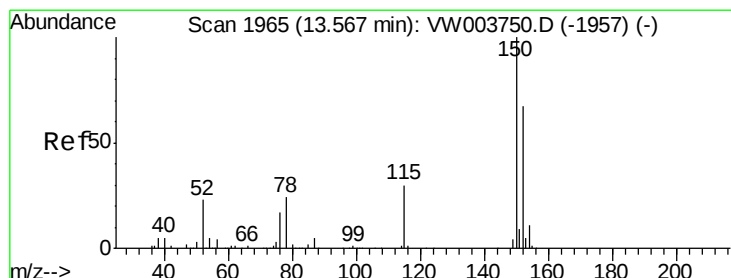
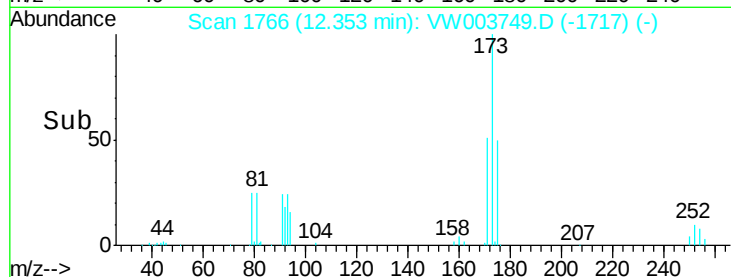
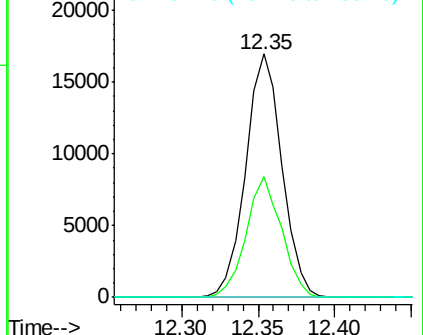
APPROVED

apatel

7/9/2018 9:50:50 AM



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: VW003749.D

Acq: 06 Jul 2018 23:40

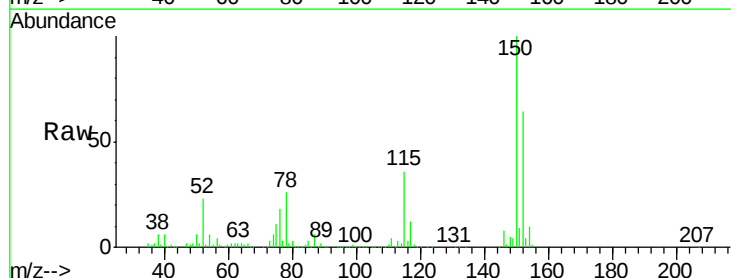
Tgt Ion:152 Resp: 178291

Ion Ratio Lower Upper

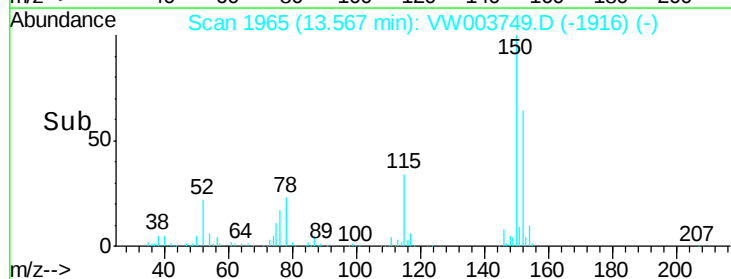
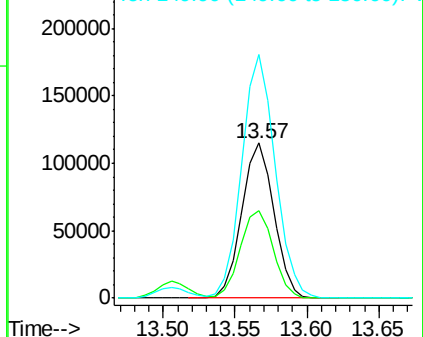
152 100

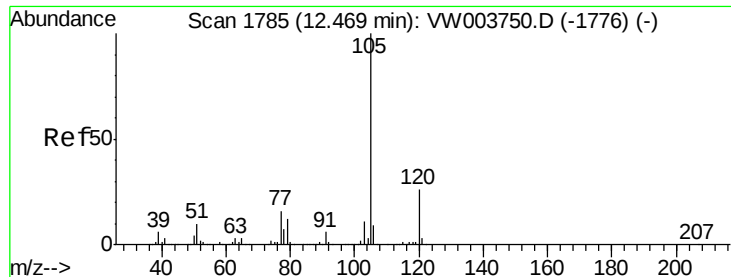
115 58.1 28.9 86.8

150 163.0 0.0 342.4



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





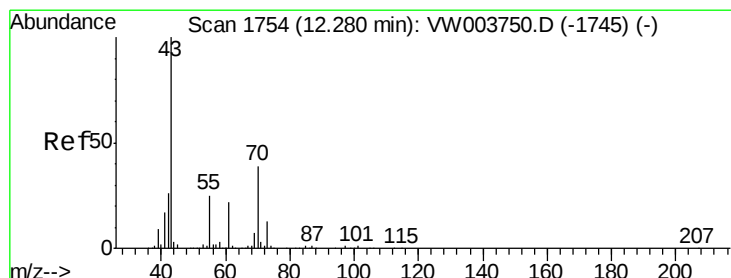
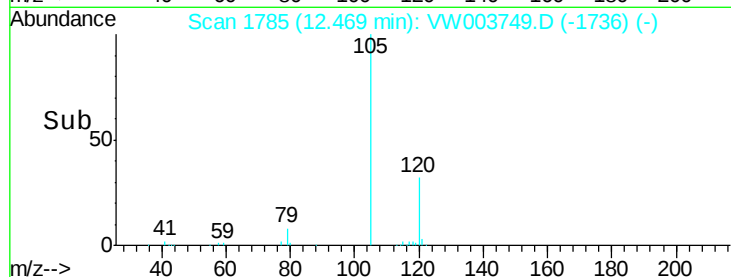
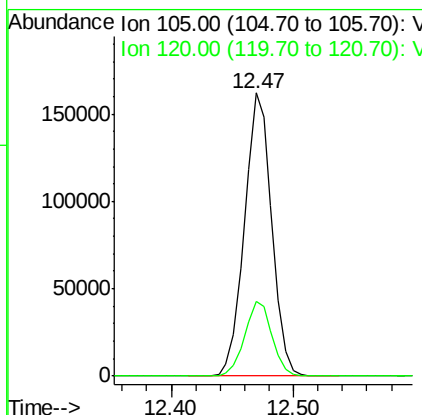
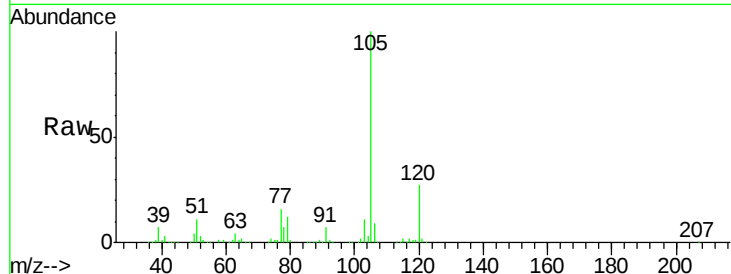
#73
Isopropylbenzene
Concen: 20.52 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	249361		
120	26.5	13.1	39.3	

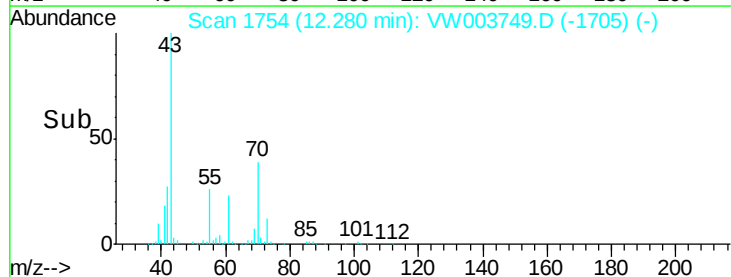
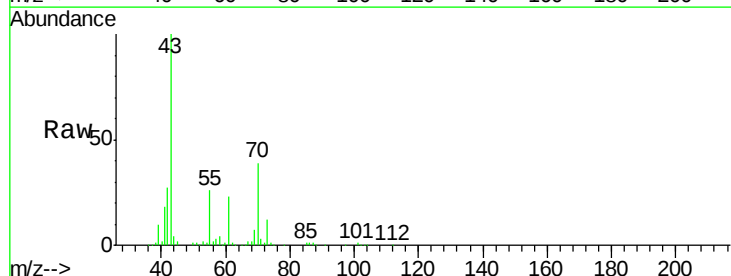
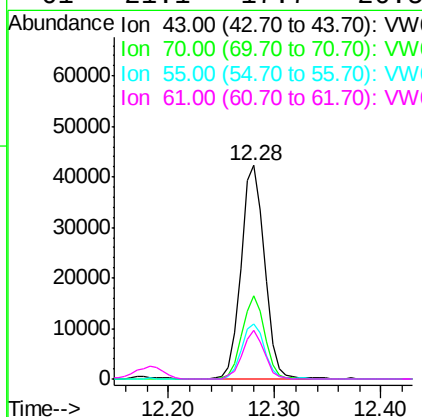
Manual Integrations
APPROVED

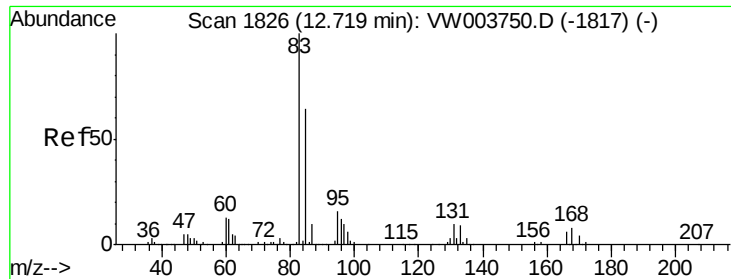
apatel
7/9/2018 9:50:50 AM



#74
N-ethyl acetate
Concen: 20.27 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	65766		
70	37.6	31.3	46.9	
55	25.8	20.1	30.1	
61	21.1	17.7	26.5	





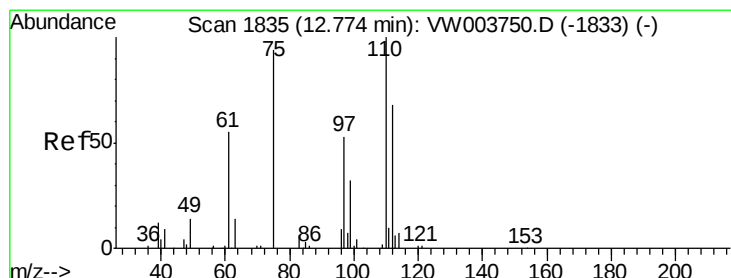
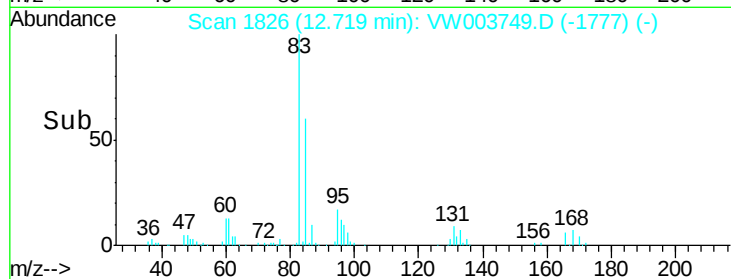
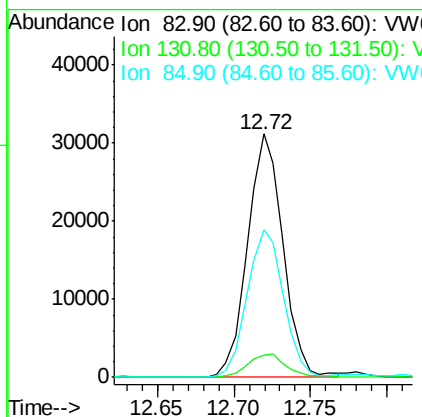
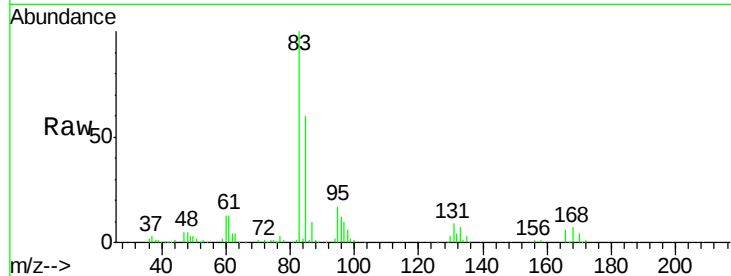
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.88 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	83	Resp	50227
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.1	15.4
85	62.1	32.1	96.3

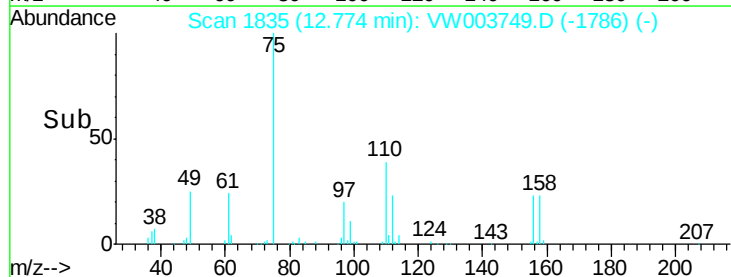
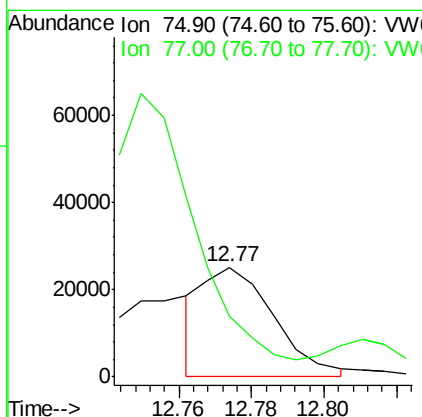
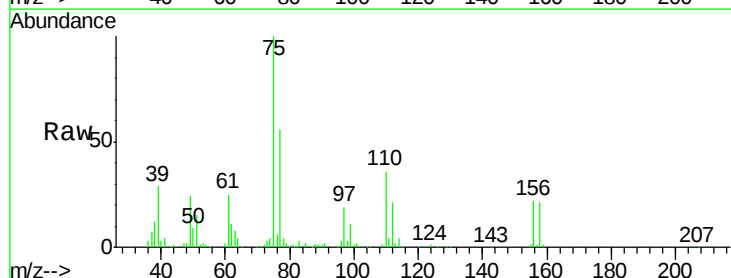
Manual Integrations
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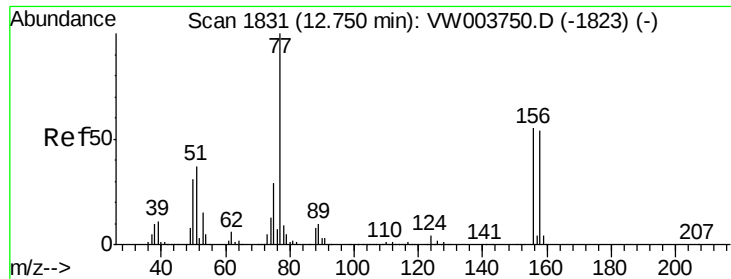
apatel
 7/9/2018 9:50:50 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.26 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	75	Resp	34300
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





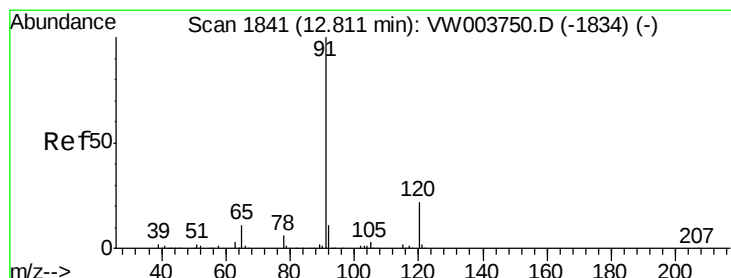
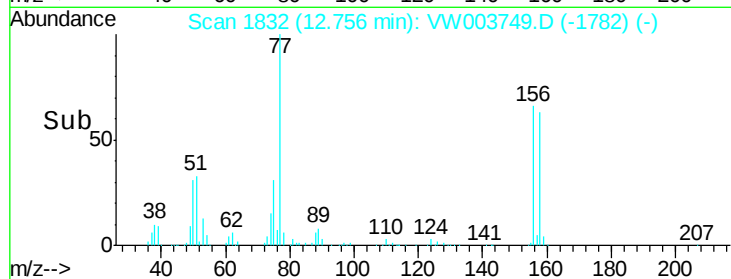
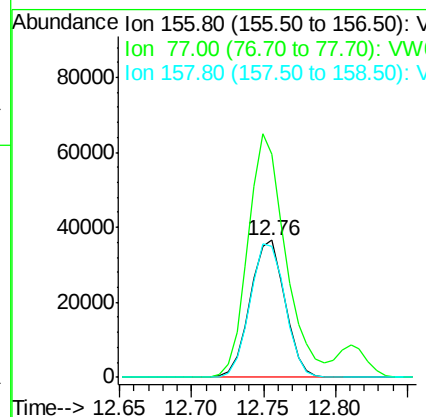
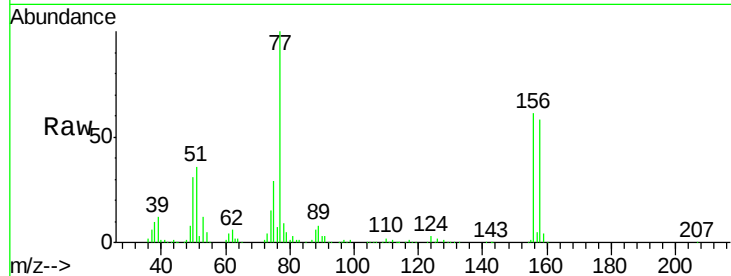
#77
Bromobenzene
Concen: 20.81 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.5	98.7	296.0
158	98.4	49.0	147.0

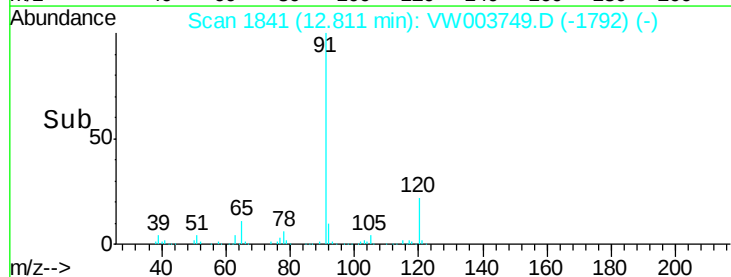
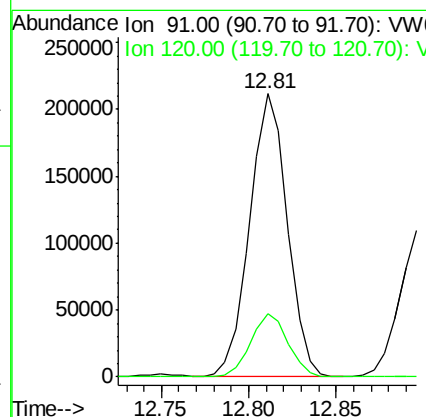
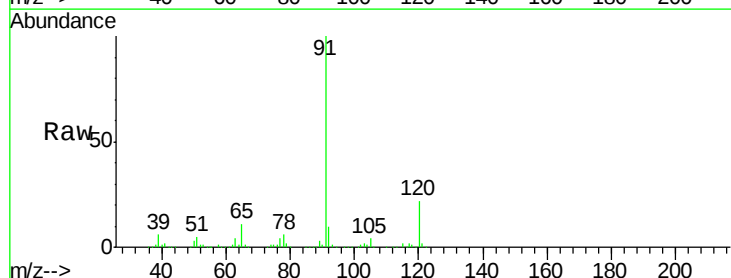
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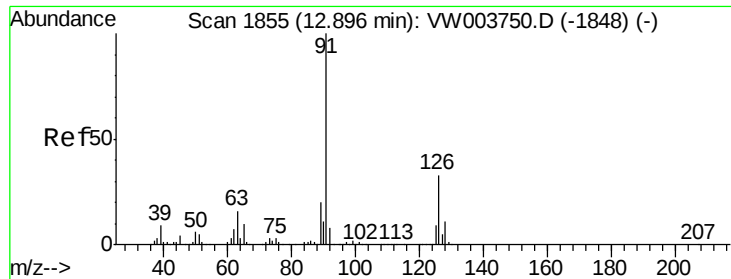
apatel
7/9/2018 9:50:50 AM



#78
n-propylbenzene
Concen: 21.01 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6





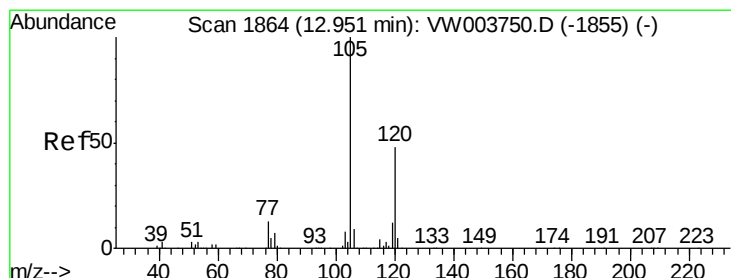
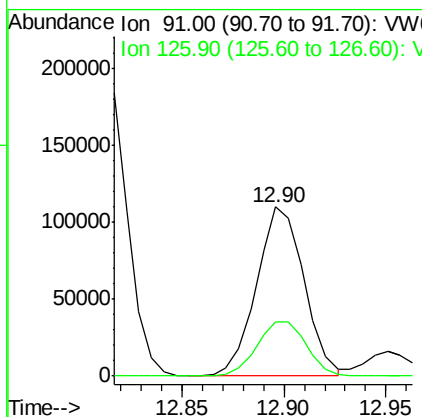
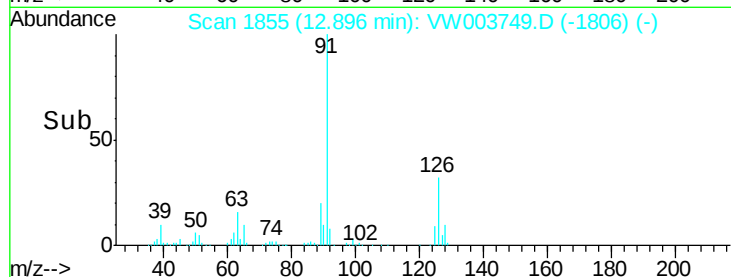
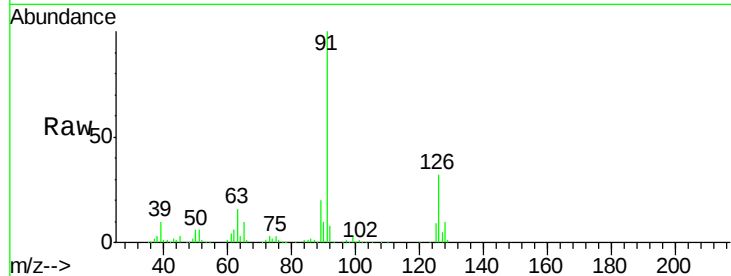
#79
 2-Chlorotoluene
 Concen: 20.78 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 91 Resp: 177537
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0

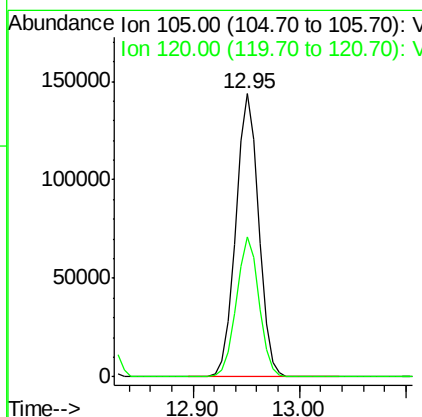
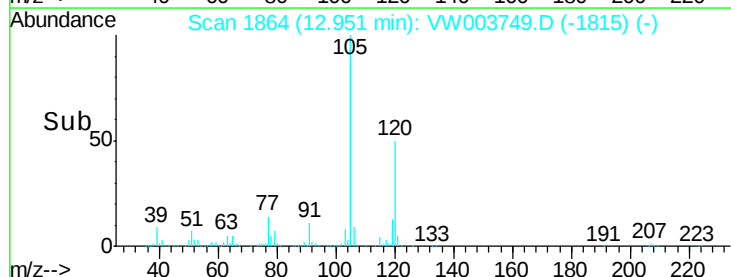
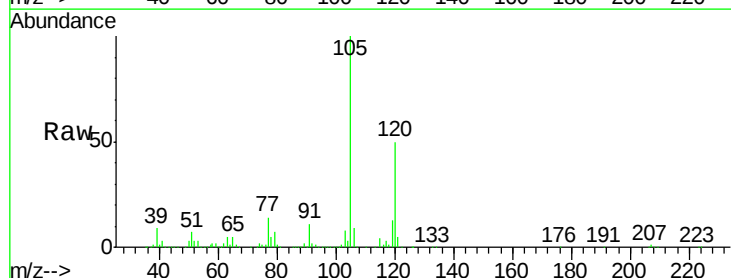
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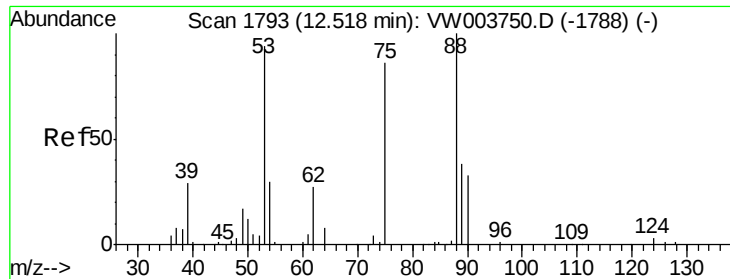
apatel
 7/9/2018 9:50:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.09 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion: 105 Resp: 217375
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.06 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Instrument :

MSVOA_W

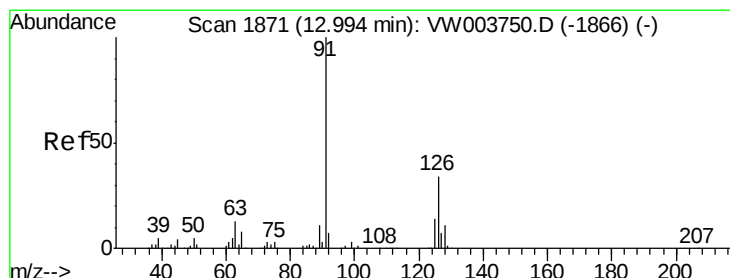
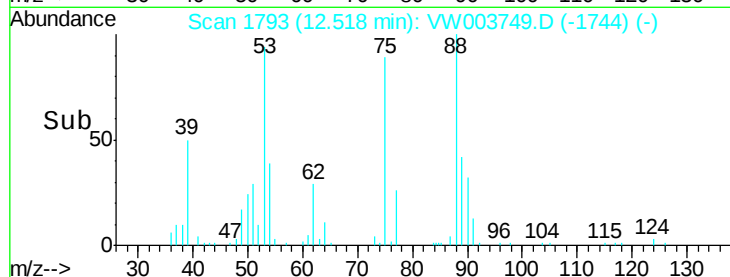
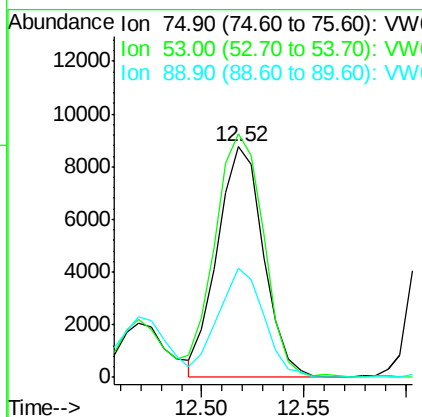
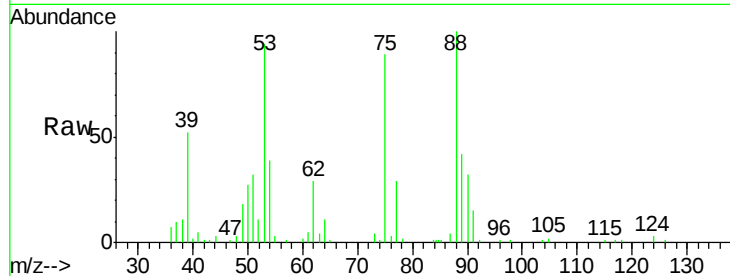
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	13691
Ion	Ratio	Lower	Upper
75	100		
53	113.2	85.0	127.6
89	47.2	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.57 ug/l

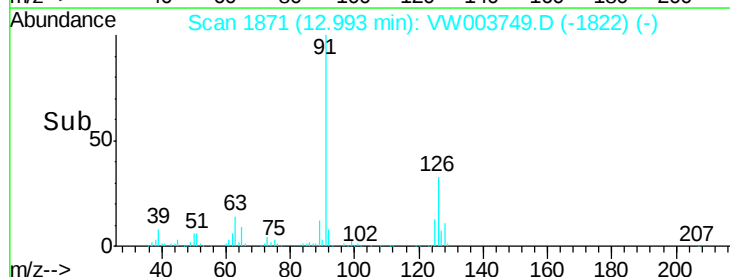
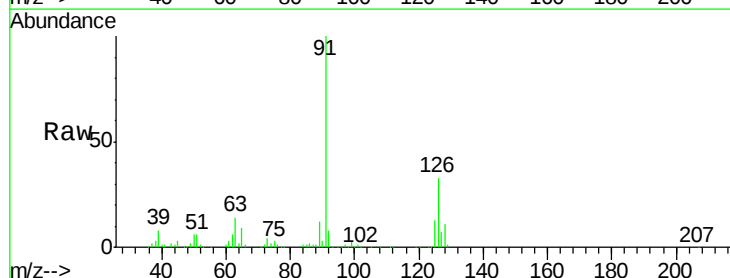
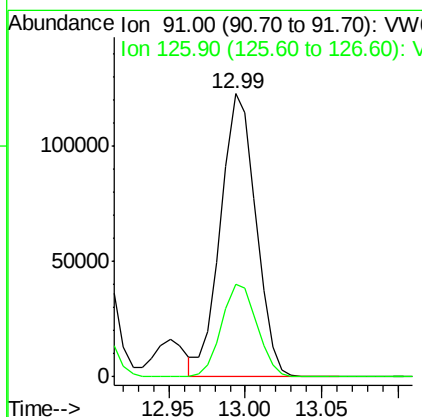
RT: 12.99 min Scan# 1871

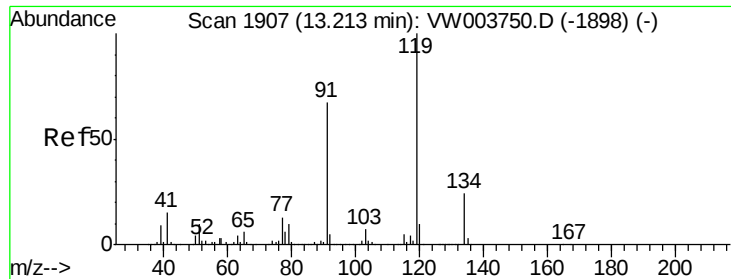
Delta R.T. -0.00 min

Lab File: VW003749.D

Acq: 06 Jul 2018 23:40

Tgt Ion:	91	Resp:	196599
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





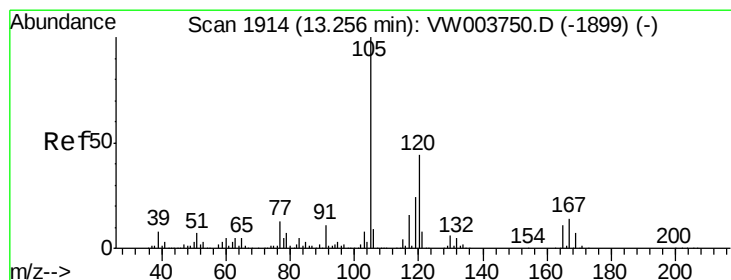
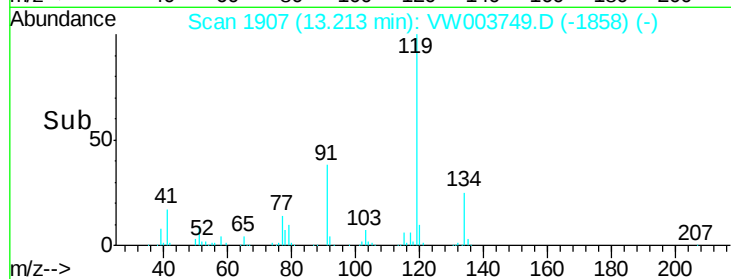
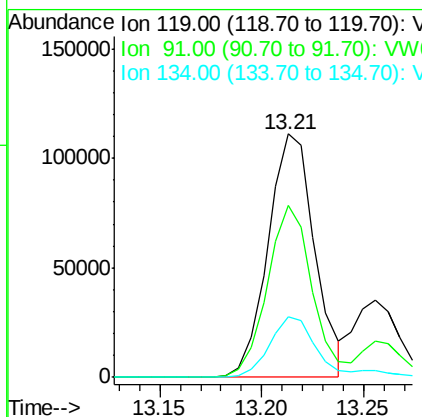
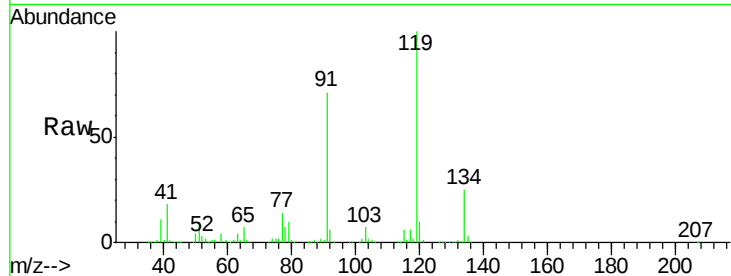
#83
 tert-Butylbenzene
 Concen: 20.42 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	177216		
91	68.4		33.0	98.9
134	24.3		12.8	38.4

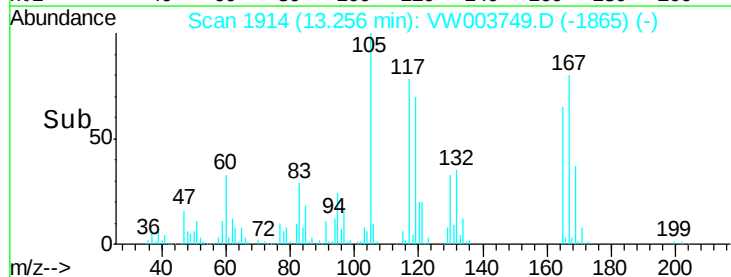
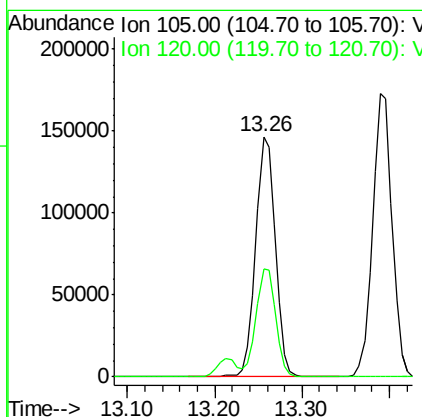
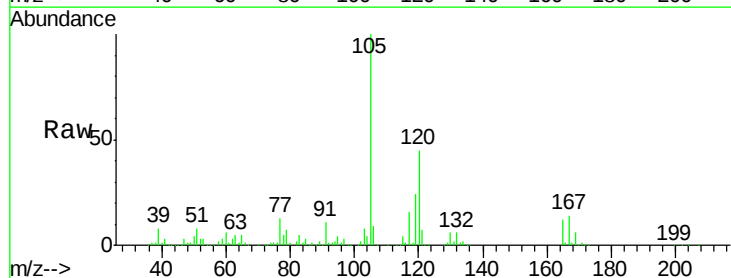
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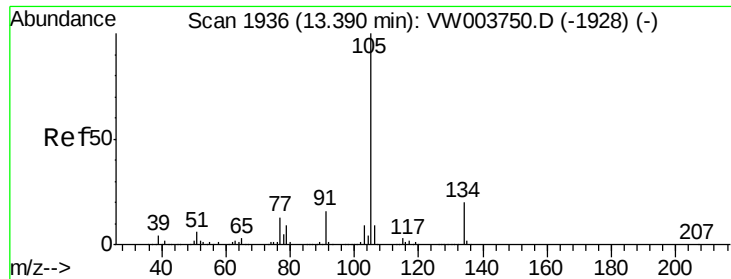
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.56 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	228680		
120	44.8		22.0	66.0





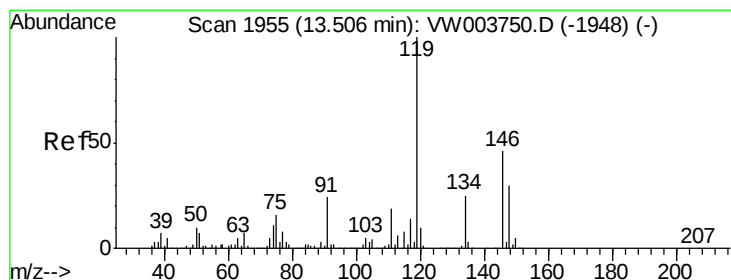
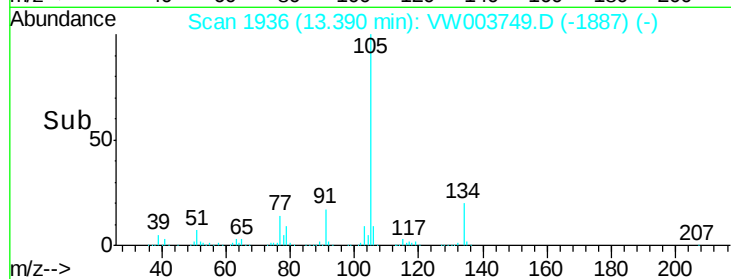
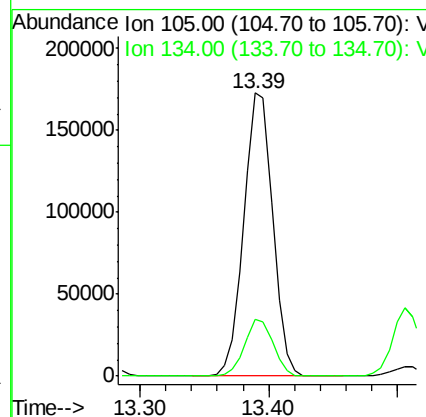
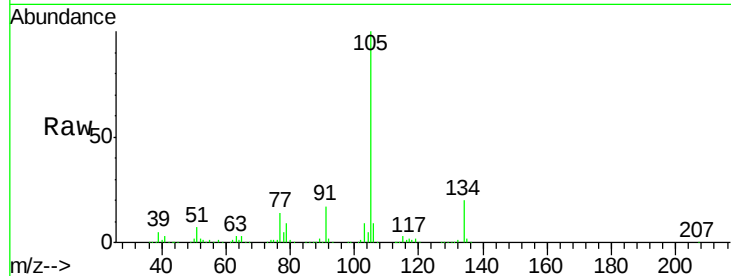
#85
 sec-Butylbenzene
 Concen: 20.75 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	267364		
134	19.8	9.8	29.4	

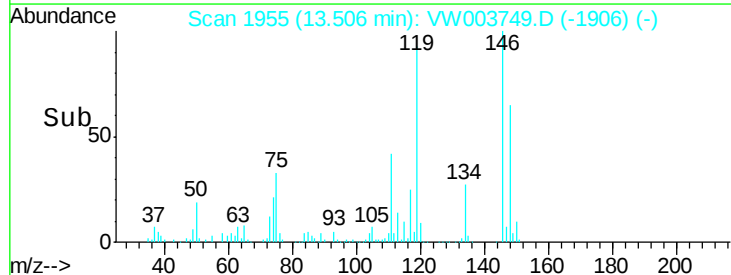
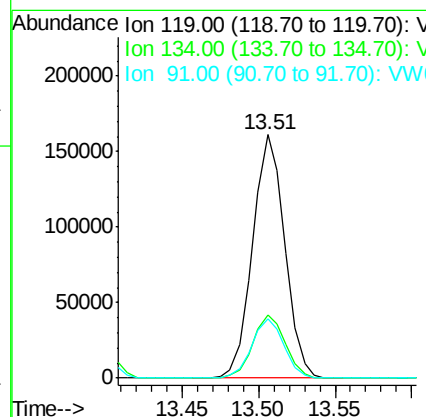
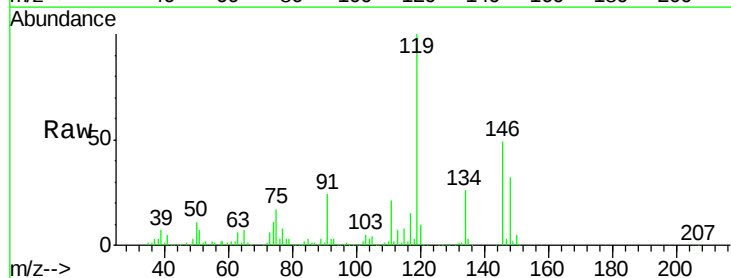
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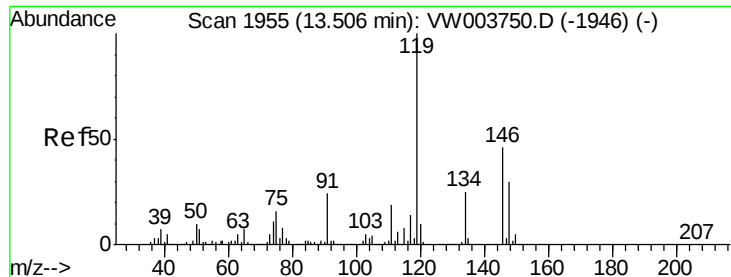
apatel
 7/9/2018 9:50:50 AM



#86
 p-Isopropyltoluene
 Concen: 20.84 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	235231		
134	26.1	13.1	39.1	
91	24.3	11.9	35.9	





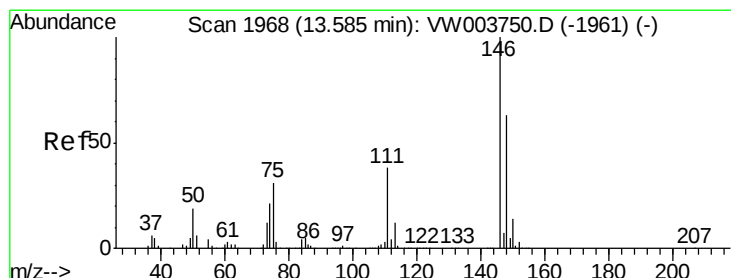
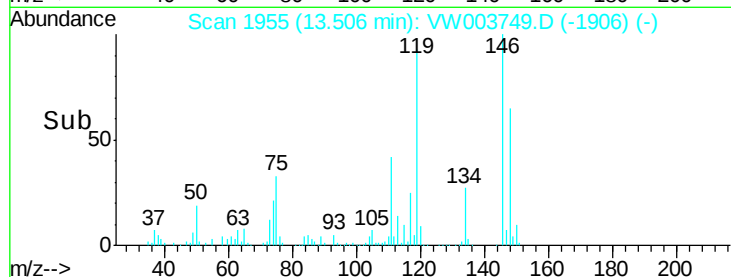
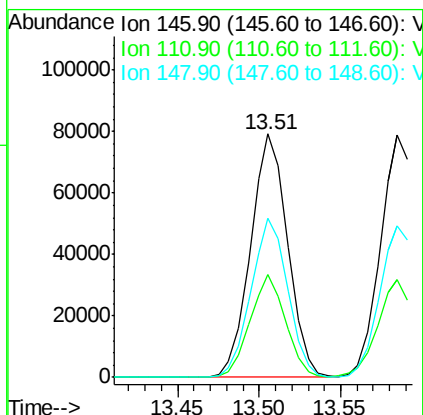
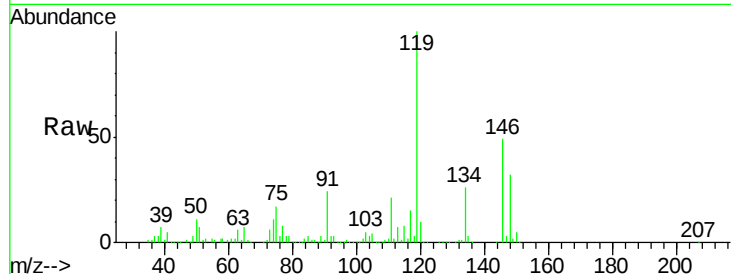
#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124666		
111	40.8	20.2	60.5	
148	65.1	31.9	95.7	

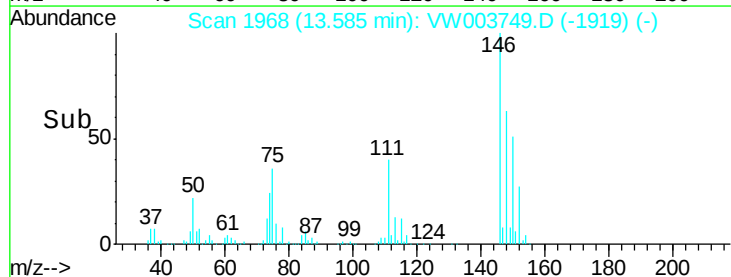
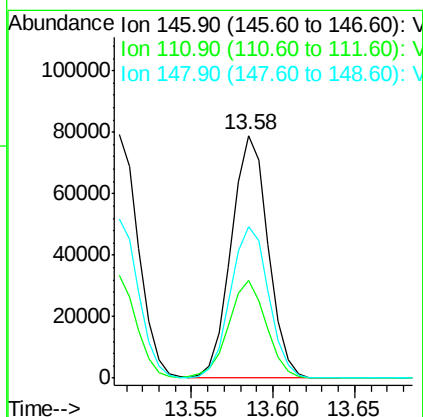
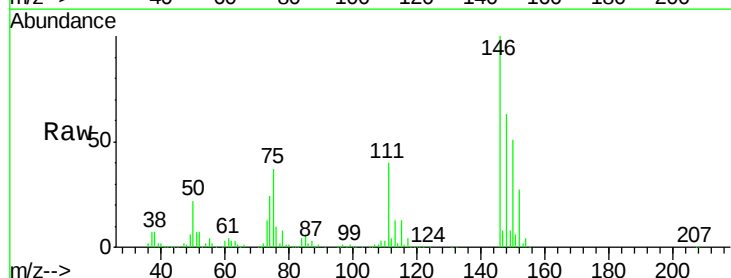
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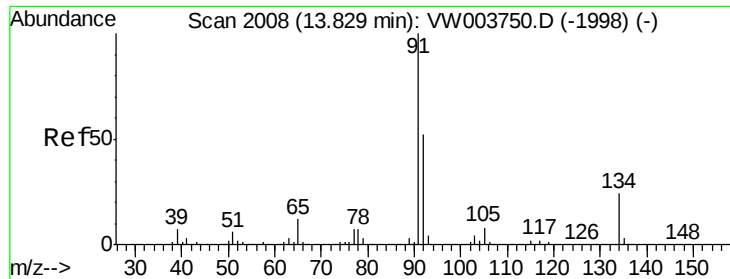
apatel
 7/9/2018 9:50:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.89 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124059		
111	41.1	19.4	58.4	
148	64.5	31.9	95.7	





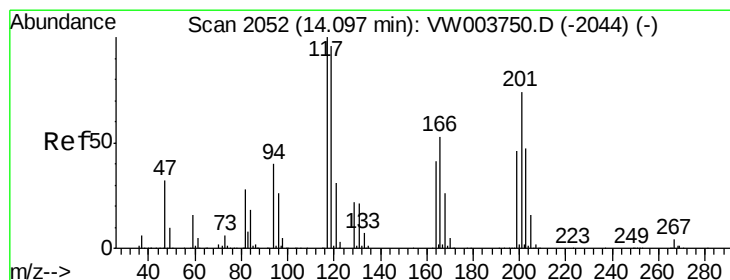
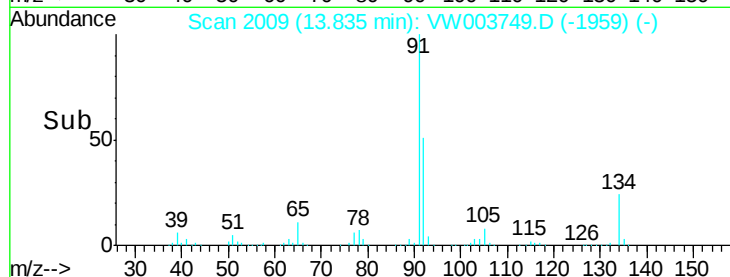
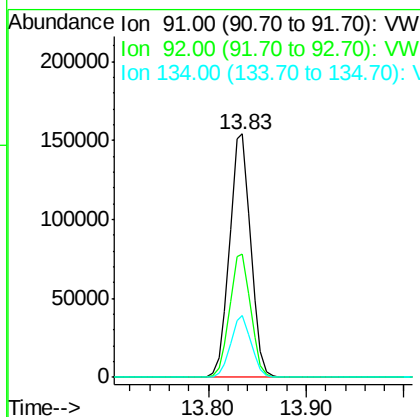
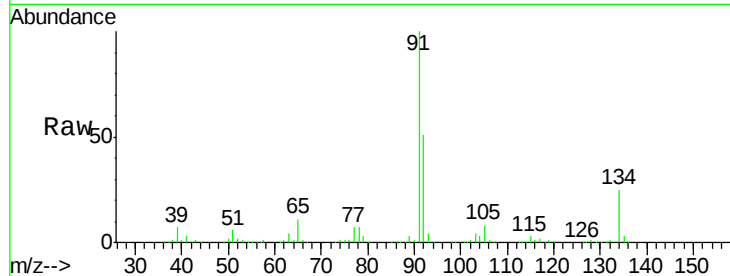
#89
n-Butylbenzene
Concen: 20.71 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.1	78.3
134	24.4	12.4	37.4

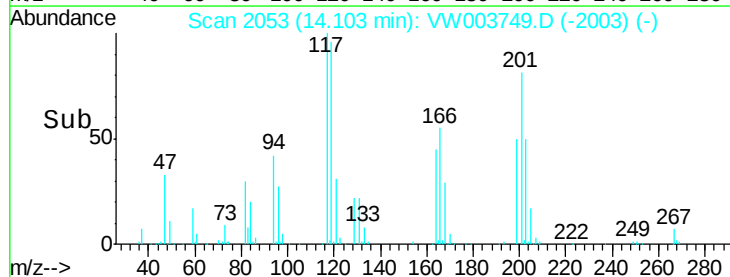
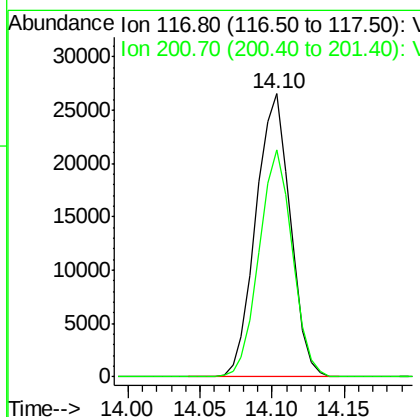
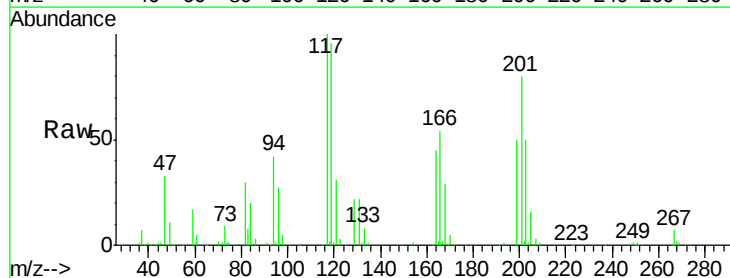
Manual Integrations
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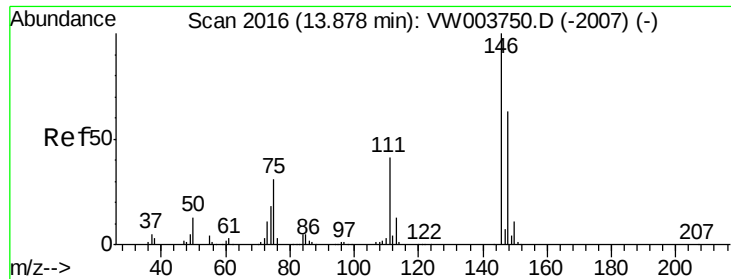
apatel
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#90
Hexachloroethane
Concen: 20.85 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	39.2	117.6





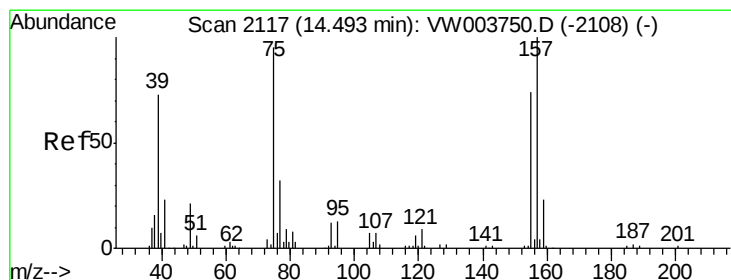
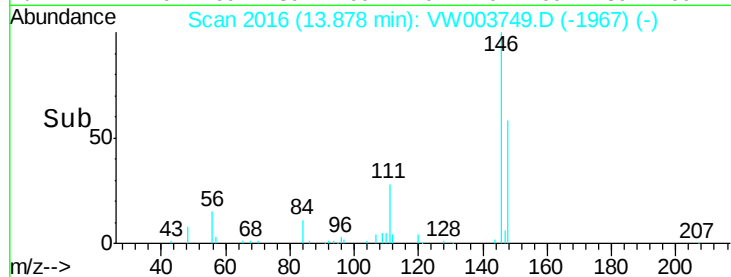
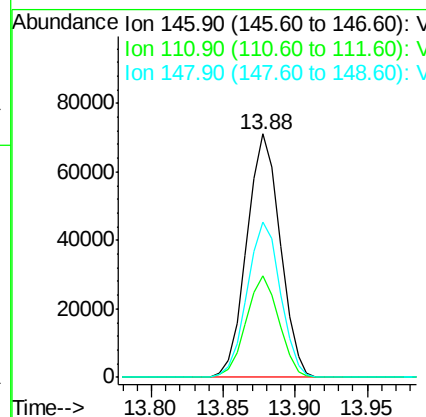
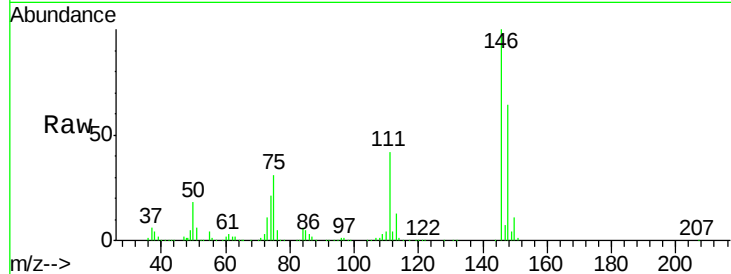
#91
 1,2-Dichlorobenzene
 Concen: 21.45 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114123		
111	41.0	20.7	62.1	
148	63.6	31.9	95.9	

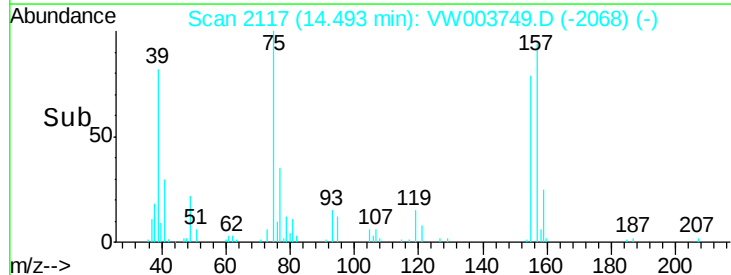
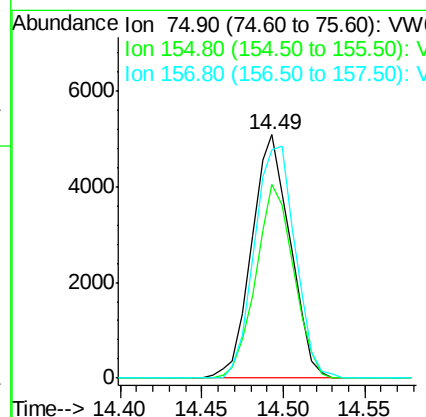
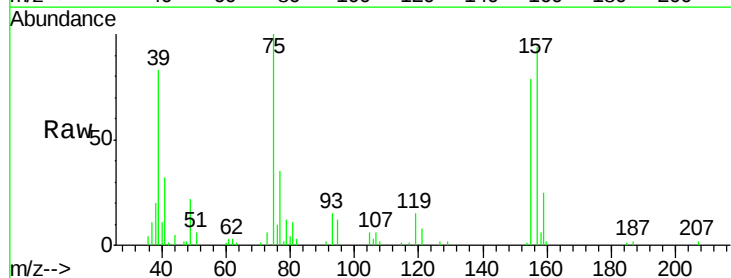
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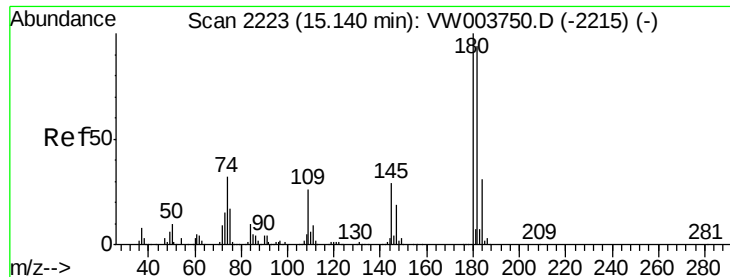
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.87 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8353		
155	78.3	39.2	117.6	
157	100.9	50.7	152.1	





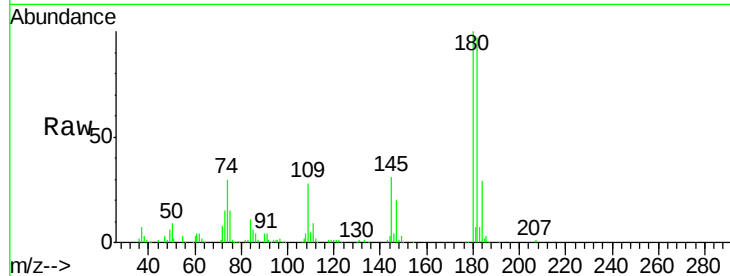
#93
 1,2,4-Trichlorobenzene
 Concen: 20.19 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

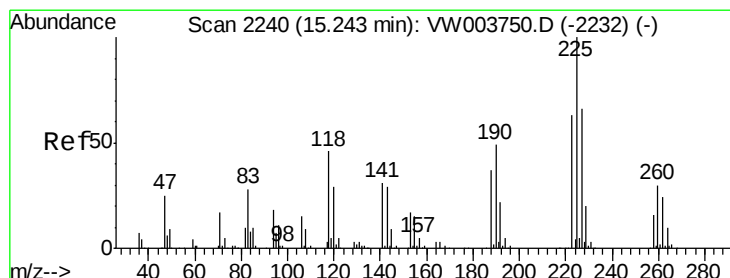
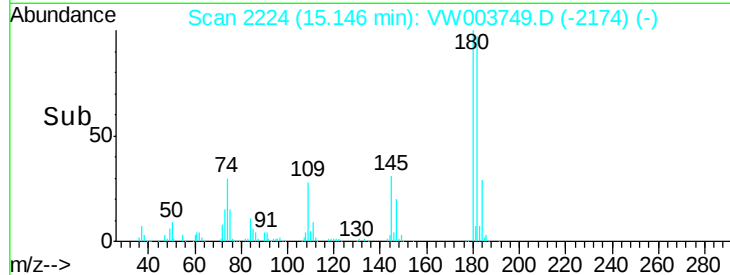
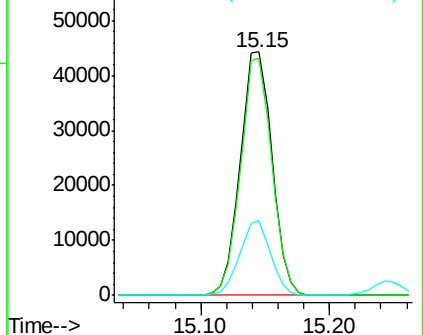
Tot Ion	Ratio	Resp	Lower	Upper
180	100	75510		
182	95.7	47.4	142.2	
145	29.8	15.0	45.0	

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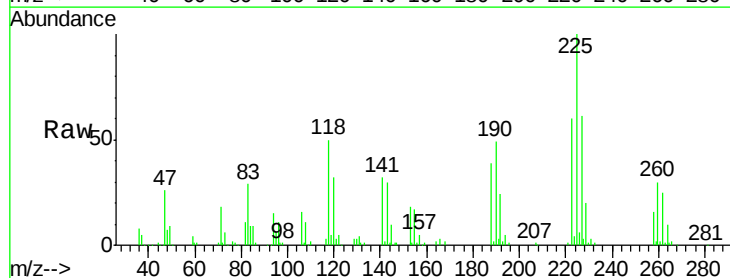


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

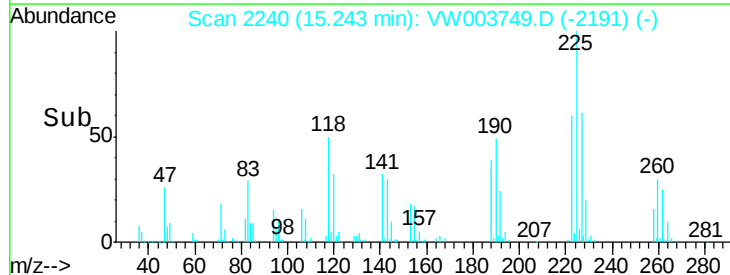
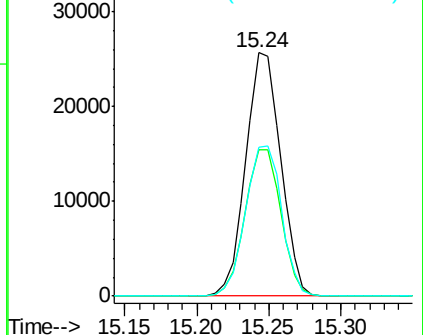


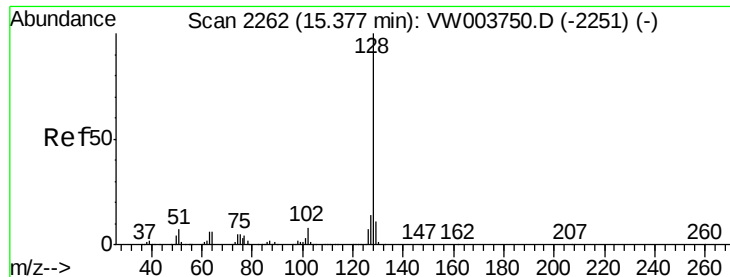
#94
 Hexachlorobutadiene
 Concen: 20.11 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW003749.D
 Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43151		
223	61.7	32.6	97.7	
227	63.5	32.5	97.5	



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





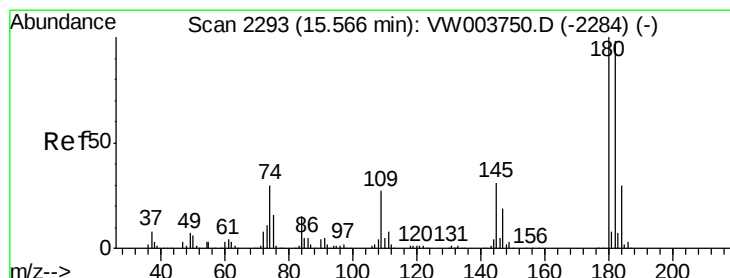
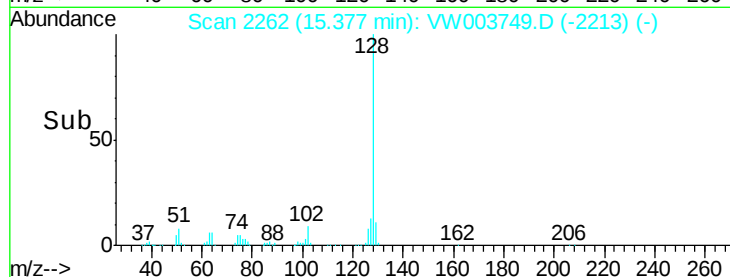
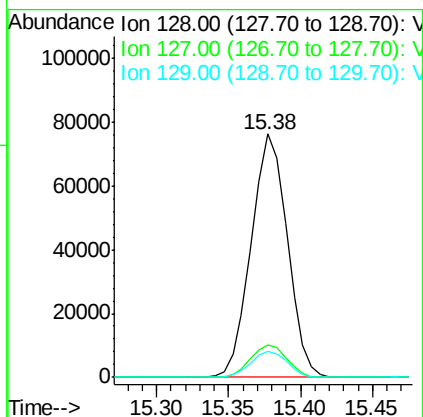
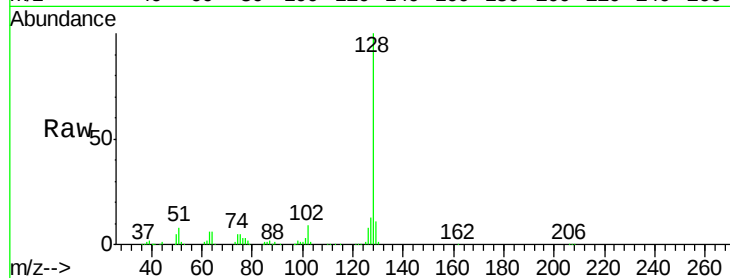
#95
Naphthalene
Concen: 19.45 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.26 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003749.D
Acq: 06 Jul 2018 23:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	31.7	15.8	47.4

