

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013056.D
 Acq On : 16 Sep 2019 22:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:12 PM

Quant Time: Sep 17 08:06:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	508908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	211222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151632	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.88	113	136817	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.32	98	547096	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.62	95	191505	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61886	48.674	ug/l	94
3) Chloromethane	2.21	50	84869	53.571	ug/l	99
4) Vinyl Chloride	2.35	62	108010	45.539	ug/l	99
5) Bromomethane	2.76	94	67447	46.565	ug/l	97
6) Chloroethane	2.91	64	72563	49.882	ug/l	96
7) Trichlorofluoromethane	3.25	101	67666	40.797	ug/l	98
8) Diethyl Ether	3.67	74	66848	51.616	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122162	48.562	ug/l	97
10) Methyl Iodide	4.27	142	167581	53.230	ug/l	98
11) Tert butyl alcohol	5.17	59	58942	288.616	ug/l	99
12) 1,1-Dichloroethene	4.04	96	113332	49.549	ug/l	98
13) Acrolein	3.89	56	65445	291.232	ug/l	99
14) Allyl chloride	4.67	41	248634	57.259	ug/l	95
15) Acrylonitrile	5.35	53	189232	286.081	ug/l	100
16) Acetone	4.12	43	165126	248.541	ug/l	100
17) Carbon Disulfide	4.38	76	223515	49.036	ug/l	99
18) Methyl Acetate	4.66	43	100045	57.379	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	254765	56.426	ug/l	98
20) Methylene Chloride	4.92	84	143872	59.137	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	128666	52.522	ug/l	99
22) Diisopropyl ether	6.31	45	526776	58.396	ug/l	99
23) Vinyl Acetate	6.25	43	1552858	287.412	ug/l	99
24) 1,1-Dichloroethane	6.21	63	277152	53.287	ug/l	99
25) 2-Butanone	7.17	43	261095	268.301	ug/l	97
26) 2,2-Dichloropropane	7.16	77	171107	52.013	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	160172	54.612	ug/l	99
28) Bromochloromethane	7.51	49	127600	58.288	ug/l #	95
29) Tetrahydrofuran	7.52	42	160433	289.341	ug/l	97
30) Chloroform	7.67	83	269986	51.088	ug/l	96
31) Cyclohexane	7.95	56	208617	53.752	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	219807	50.506	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196660	48.360	ug/l	98
37) Ethyl Acetate	7.25	43	109801	50.869	ug/l	99
38) Carbon Tetrachloride	8.07	117	192558	46.206	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	213687	47.953	ug/l	99
40) Benzene	8.32	78	567362	49.976	ug/l	100
41) Methacrylonitrile	7.48	41	72408	50.939	ug/l	95
42) 1,2-Dichloroethane	8.40	62	178691	46.954	ug/l	97
43) Isopropyl Acetate	8.42	43	217107	52.385	ug/l	99
44) Trichloroethene	9.09	130	149894	48.204	ug/l	93
45) 1,2-Dichloropropane	9.37	63	159576	52.906	ug/l	99
46) Dibromomethane	9.46	93	72954	50.485	ug/l	100
47) Bromodichloromethane	9.64	83	208539	51.448	ug/l	100
48) Methyl methacrylate	9.43	41	104749	53.854	ug/l	96
49) 1,4-Dioxane	9.45	88	23957	989.389	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	579720	270.939	ug/l	99
52) Toluene	10.38	92	369137	51.170	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	202785	49.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	243733	52.254	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	114681	52.094	ug/l	99
56) Ethyl methacrylate	10.65	69	158785	53.587	ug/l	98
57) 1,3-Dichloropropane	10.93	76	207446	53.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	428741	269.729	ug/l	99
59) 2-Hexanone	10.96	43	391975	263.093	ug/l	100
60) Dibromochloromethane	11.13	129	136349	51.230	ug/l	97
61) 1,2-Dibromoethane	11.23	107	105937	52.752	ug/l	99
64) Tetrachloroethene	10.86	164	132839	53.032	ug/l	97
65) Chlorobenzene	11.66	112	383607	51.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	146629	51.017	ug/l	99
67) Ethyl Benzene	11.73	91	718207	51.850	ug/l	100
68) m/p-Xylenes	11.83	106	525991	103.947	ug/l	100
69) o-Xylene	12.16	106	257760	54.334	ug/l	100
70) Styrene	12.18	104	461028	54.630	ug/l	98
71) Bromoform	12.35	173	81940	54.276	ug/l #	99
73) Isopropylbenzene	12.46	105	742095	53.005	ug/l	100
74) N-amyl acetate	12.27	43	203989	56.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133535	54.305	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	88743m	47.966	ug/l	
77) Bromobenzene	12.74	156	169681	52.609	ug/l	100
78) n-propylbenzene	12.80	91	865894	52.578	ug/l	100
79) 2-Chlorotoluene	12.89	91	497180	52.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	615740	51.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44747	54.865	ug/l	96
82) 4-Chlorotoluene	12.99	91	516586	51.716	ug/l	99
83) tert-Butylbenzene	13.21	119	551290	52.036	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	612855	52.362	ug/l	98
85) sec-Butylbenzene	13.38	105	751804	52.085	ug/l	99
86) p-Isopropyltoluene	13.50	119	696799	52.580	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	331160	51.867	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	324519	51.721	ug/l	99
89) n-Butylbenzene	13.82	91	650637	52.060	ug/l	100
90) Hexachloroethane	14.09	117	121589	51.199	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	294053	52.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22835	50.733	ug/l	98

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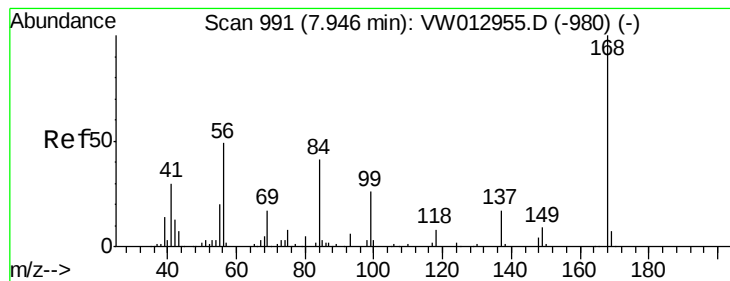
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	216377	54.036	ug/l	99
94) Hexachlorobutadiene	15.24	225	144489	50.971	ug/l	98
95) Naphthalene	15.36	128	397928	59.475	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	194324	54.898	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tot Ion:168 Resp: 331368

Ion Ratio Lower Upper

168 100

99 52.7 46.2 69.2

Instrument :

MSVOA_W

ClientSampleId :

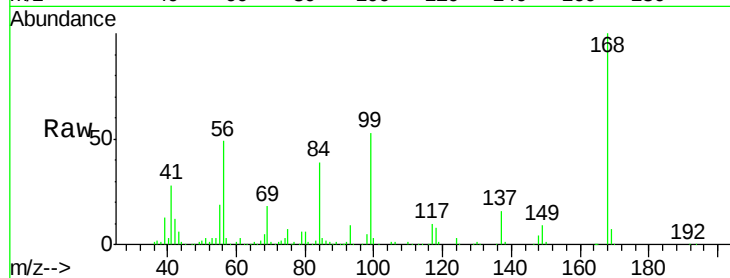
VSTDCCC050

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

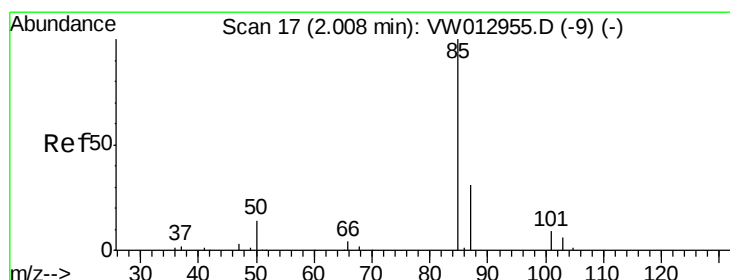
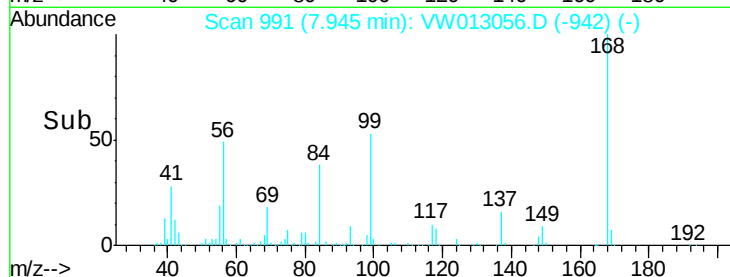
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 48.674 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013056.D

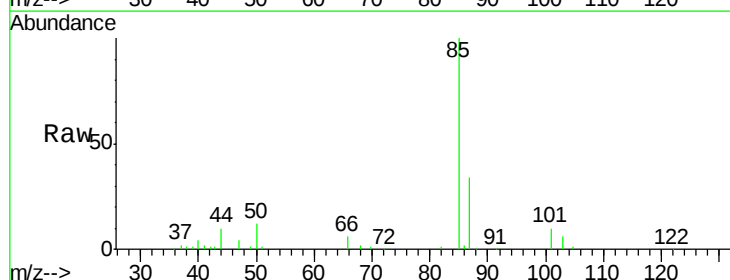
Acq: 16 Sep 2019 22:26

Tgt Ion: 85 Resp: 61886

Ion Ratio Lower Upper

85 100

87 33.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

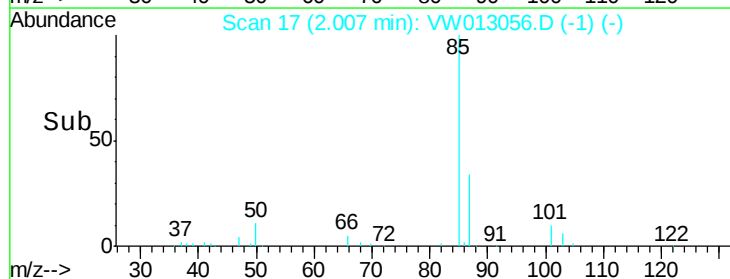
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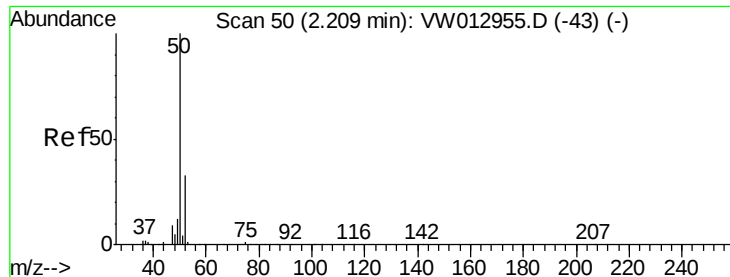
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 53.571 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 84869

Ion Ratio Lower Upper

50 100

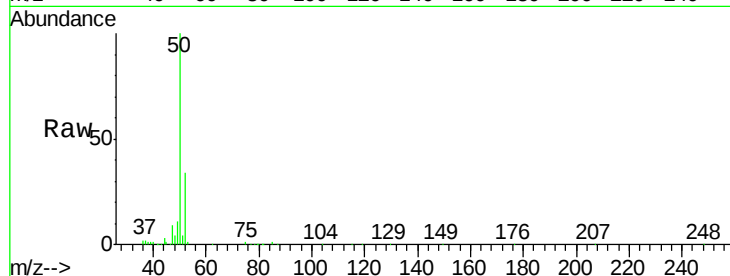
52 34.0 26.6 39.8

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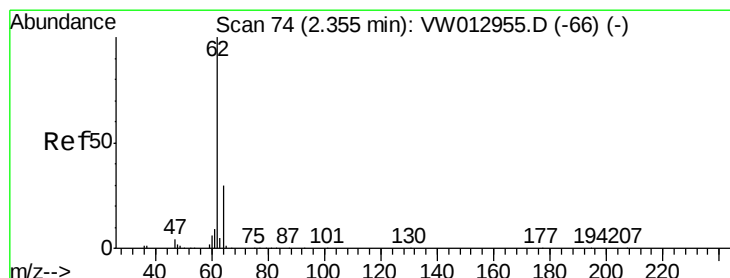
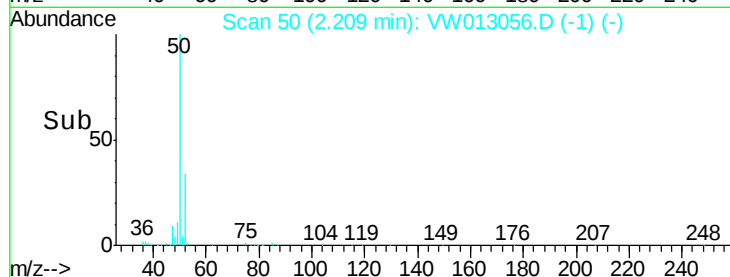
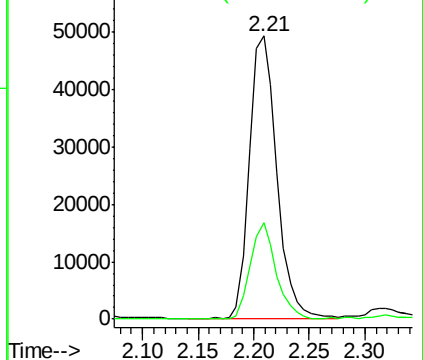
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 45.539 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013056.D

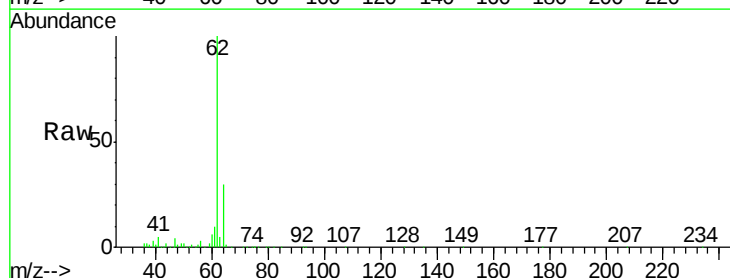
Acq: 16 Sep 2019 22:26

Tgt Ion: 62 Resp: 108010

Ion Ratio Lower Upper

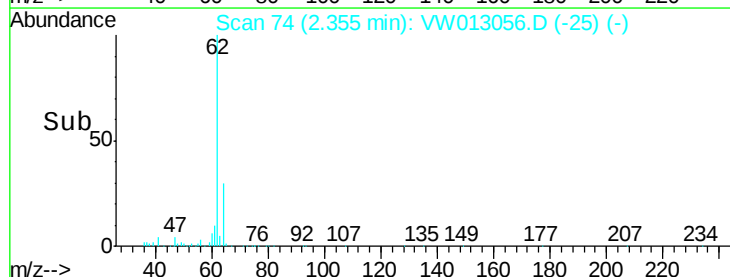
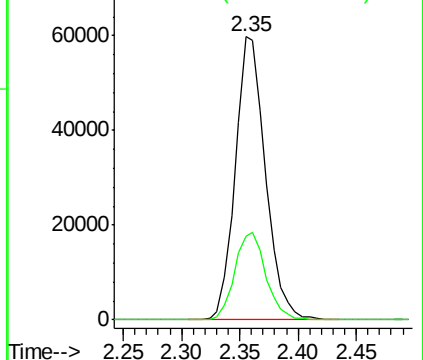
62 100

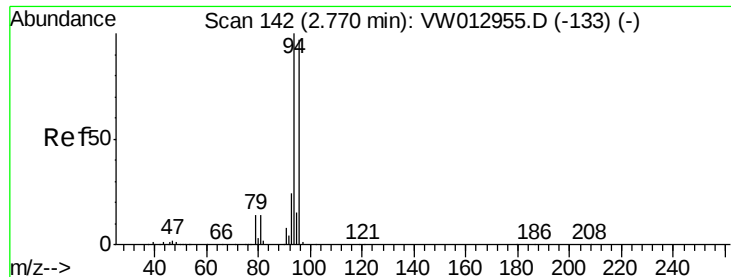
64 29.6 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 46.565 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 67447

Ion Ratio Lower Upper

94 100

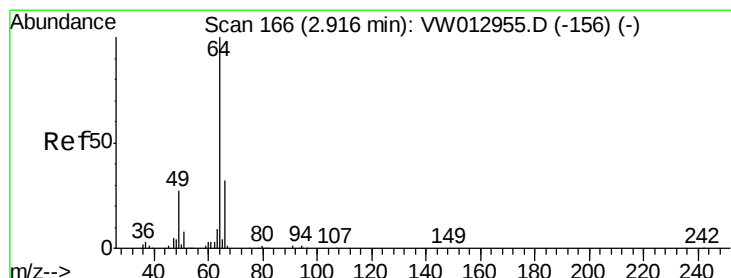
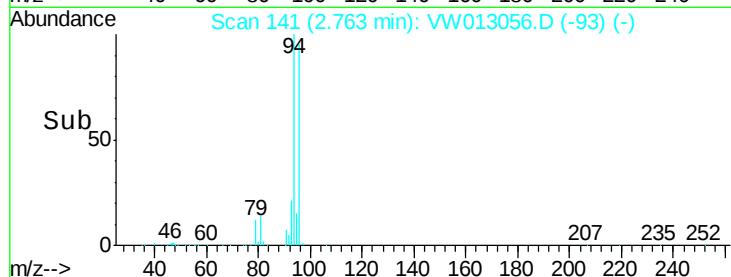
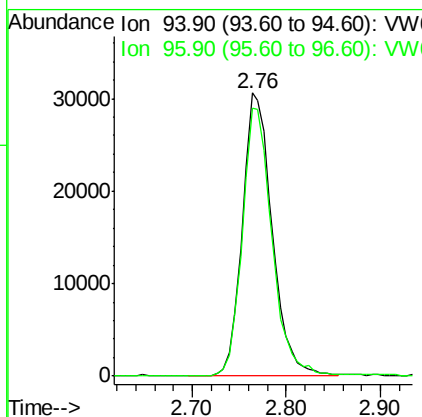
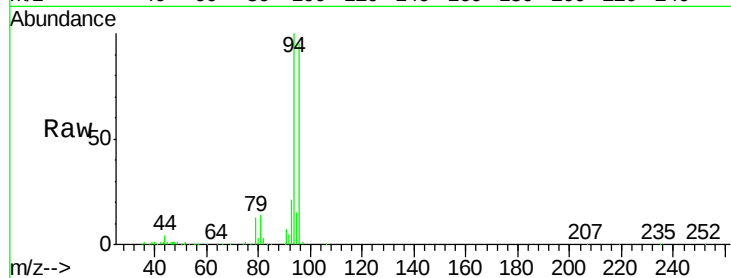
96 94.7 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 49.882 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013056.D

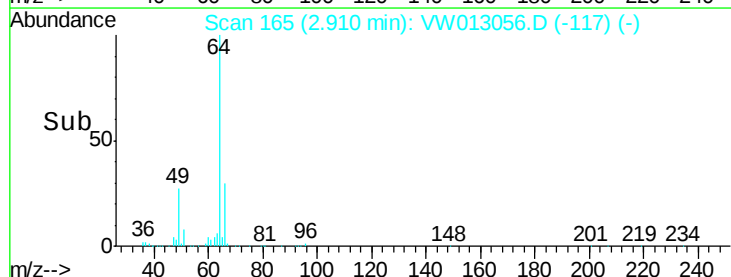
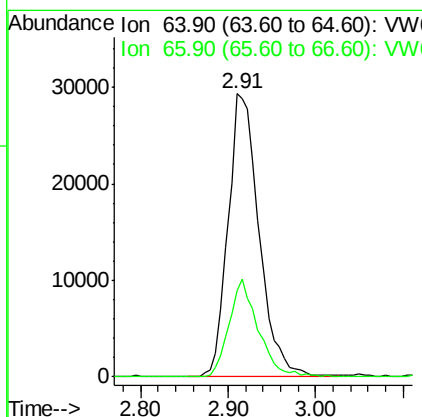
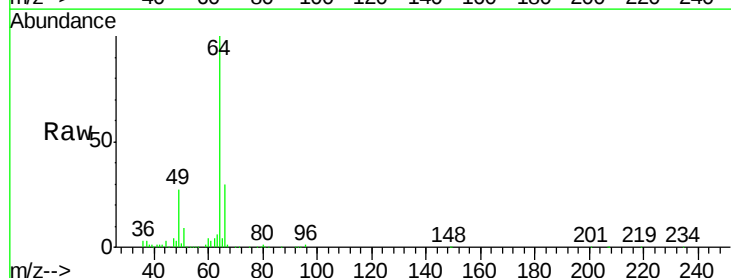
Acq: 16 Sep 2019 22:26

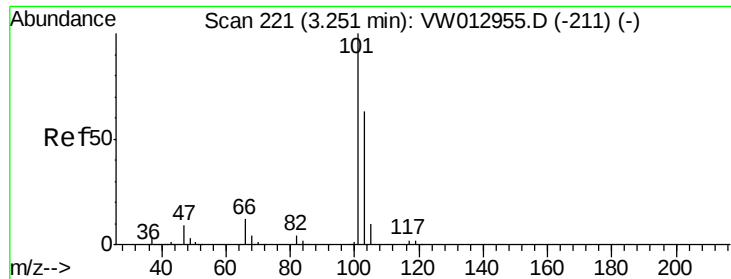
Tgt Ion: 64 Resp: 72563

Ion Ratio Lower Upper

64 100

66 30.4 25.9 38.9





#7

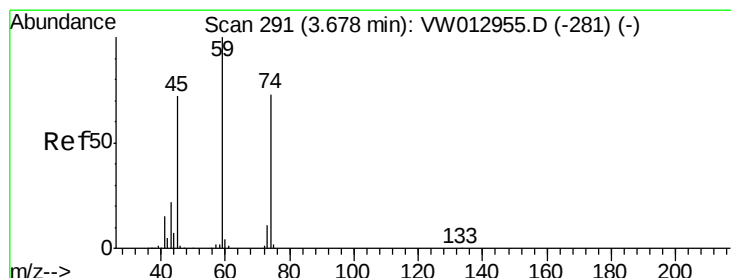
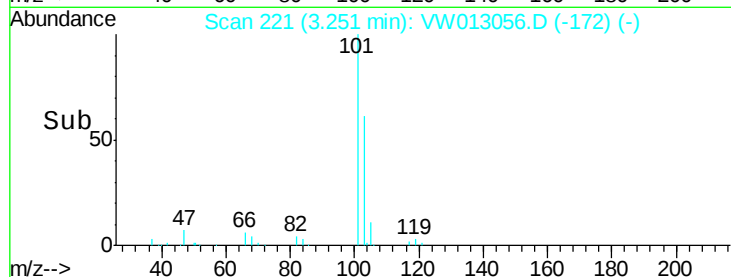
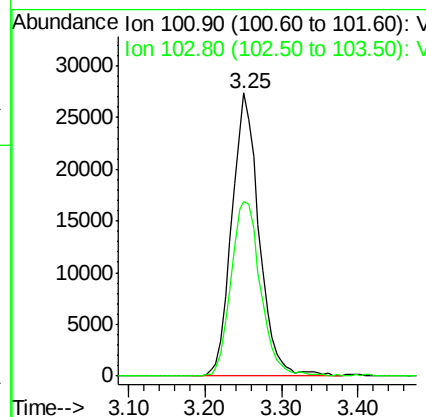
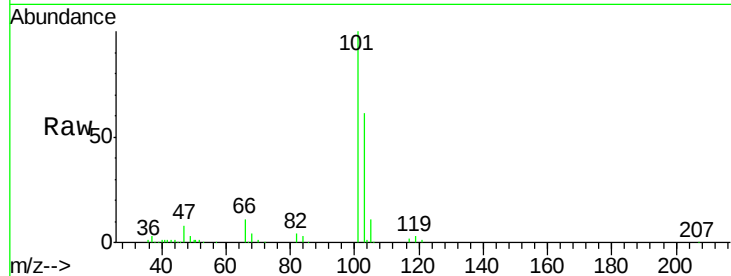
Trichlorofluoromethane
Concen: 40.797 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	50.7	76.1

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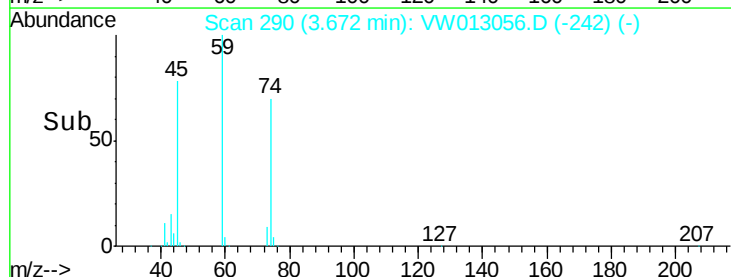
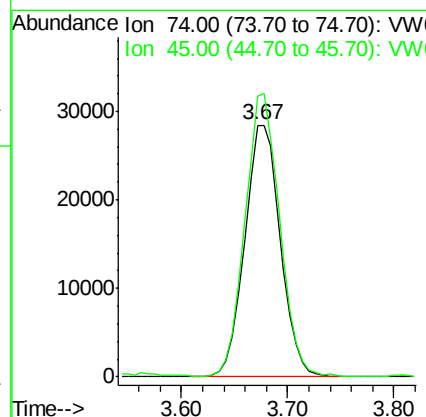
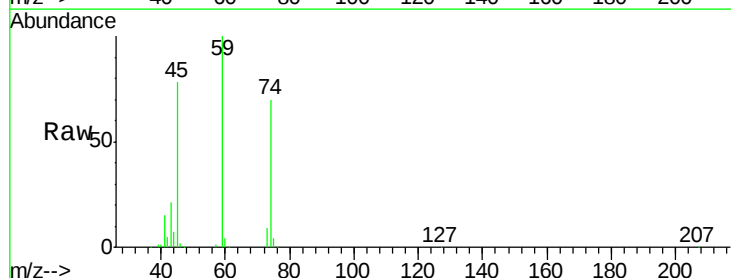
MMDadoda
9/18/2019 2:01:12 PM

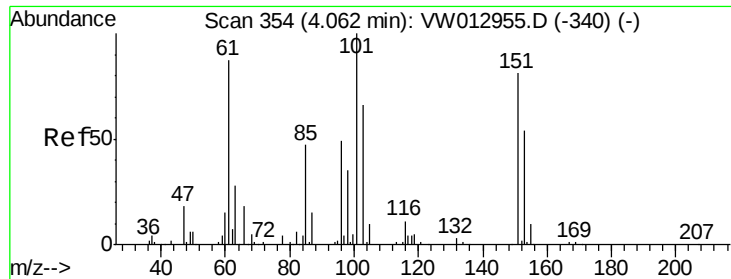


#8

Diethyl Ether
Concen: 51.616 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.2	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.562 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

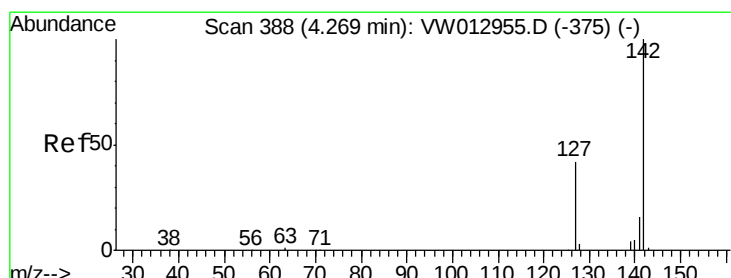
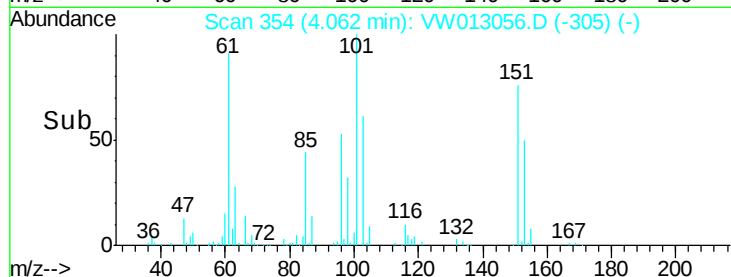
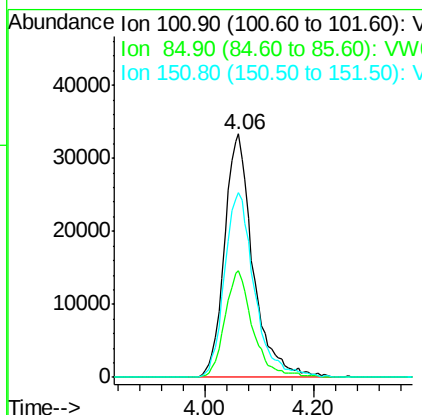
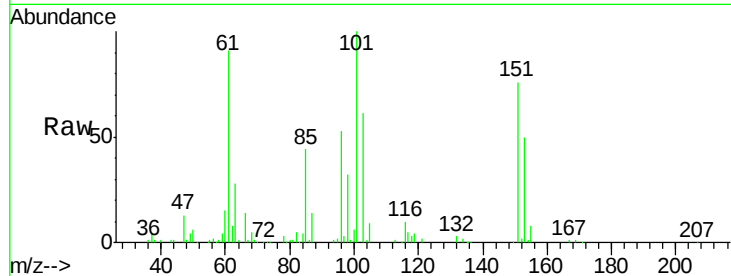
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	122162
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.9	52.3
151	79.4	66.0	99.0

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#10

Methyl Iodide

Concen: 53.230 ug/l

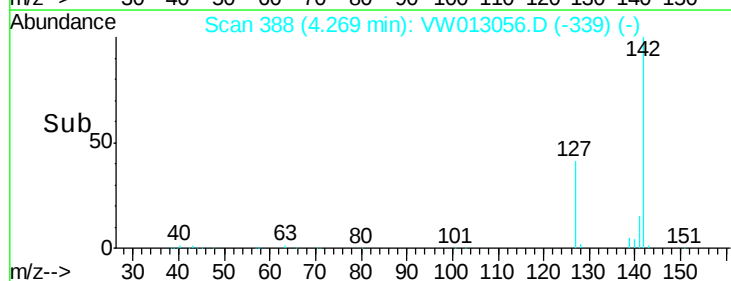
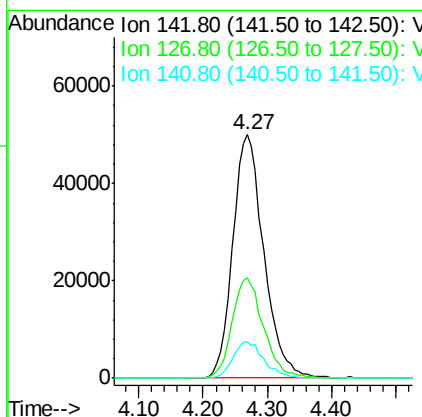
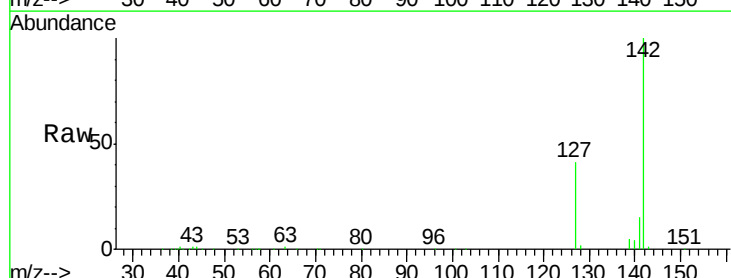
RT: 4.27 min Scan# 388

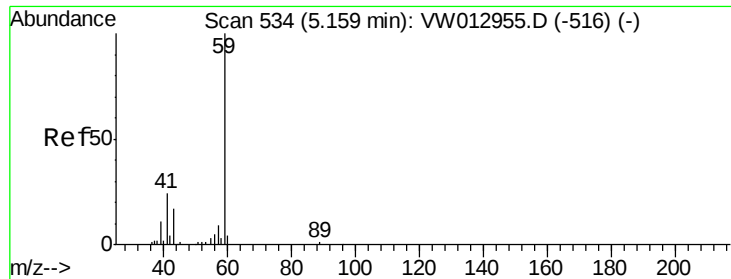
Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion:	142	Resp:	167581
Ion Ratio	Lower	Upper	
142	100		
127	41.5	34.7	52.1
141	14.9	12.2	18.2





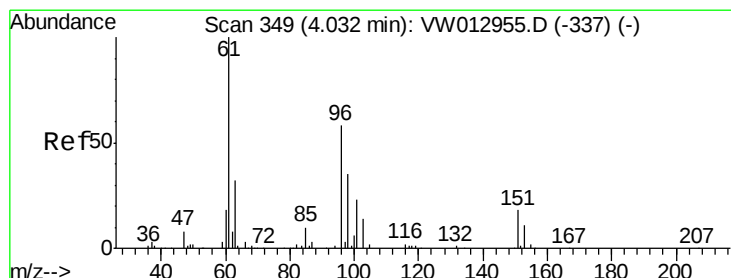
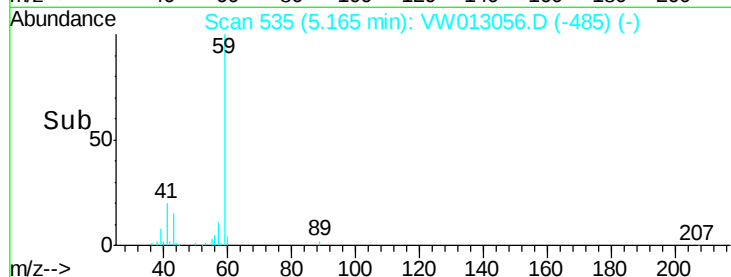
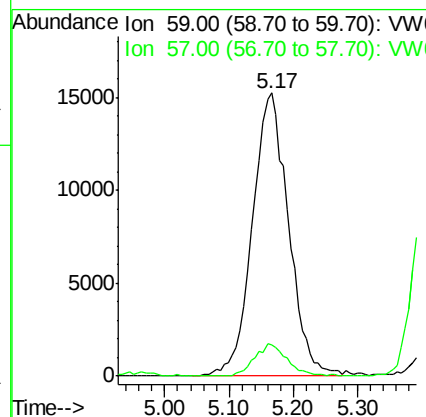
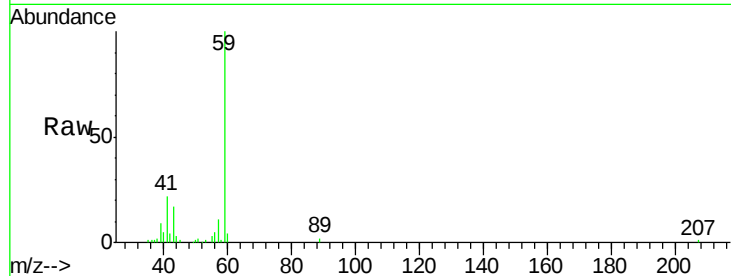
#11
Tert butyl alcohol
Concen: 288.616 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

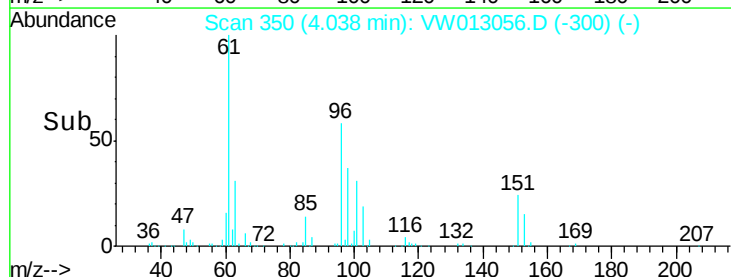
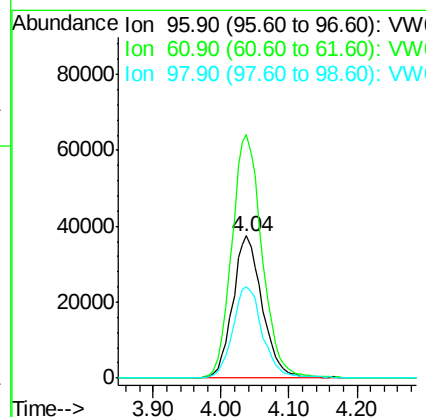
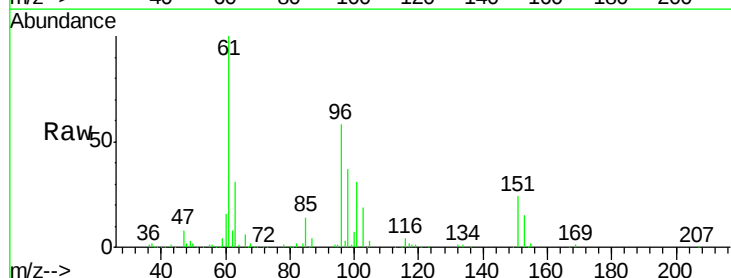
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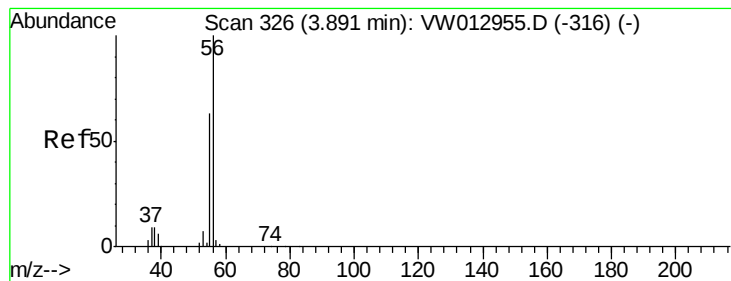
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.549 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	137.9	206.9
98	63.9	48.9	73.3





#13

Acrolein

Concen: 291.232 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65445

Ion Ratio Lower Upper

56 100

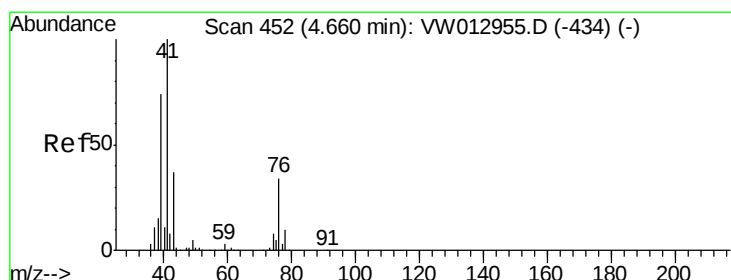
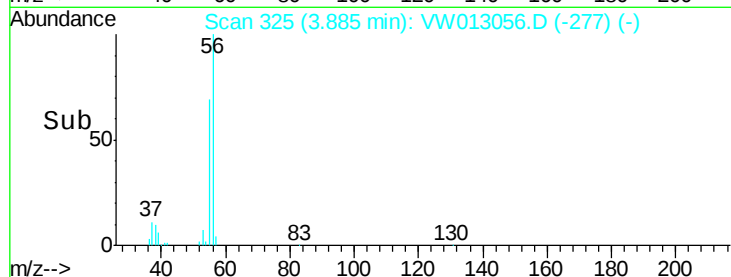
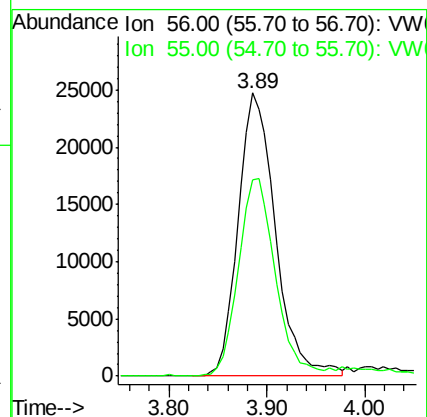
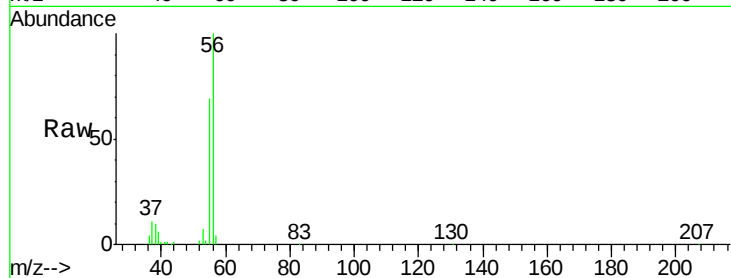
55 69.2 55.8 83.8

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#14

Allyl chloride

Concen: 57.259 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

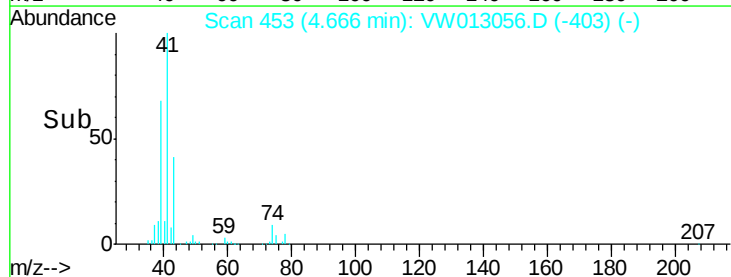
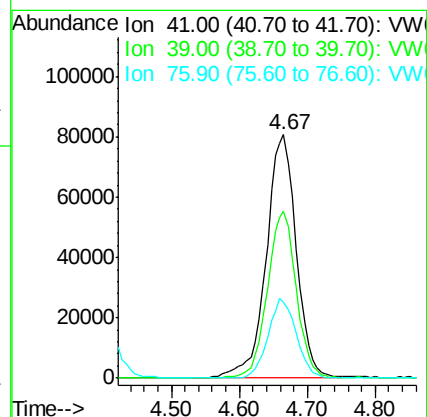
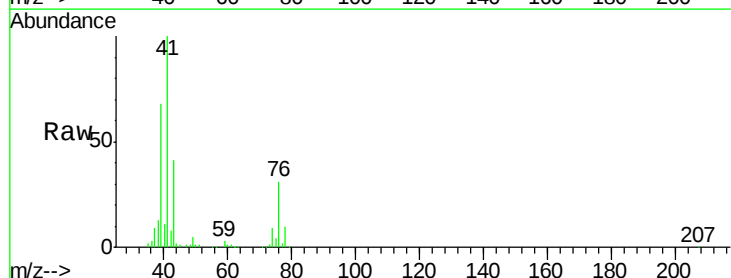
Tgt Ion: 41 Resp: 248634

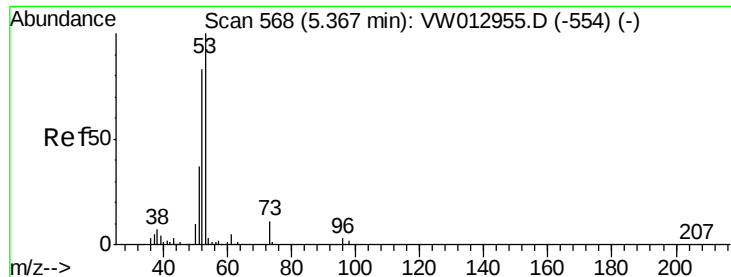
Ion Ratio Lower Upper

41 100

39 65.7 56.7 85.1

76 30.6 25.1 37.7





#15

Acrylonitrile

Concen: 286.081 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

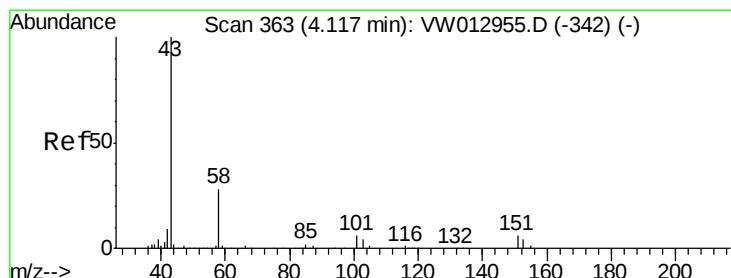
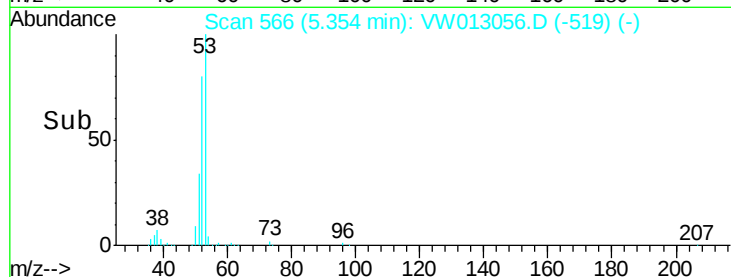
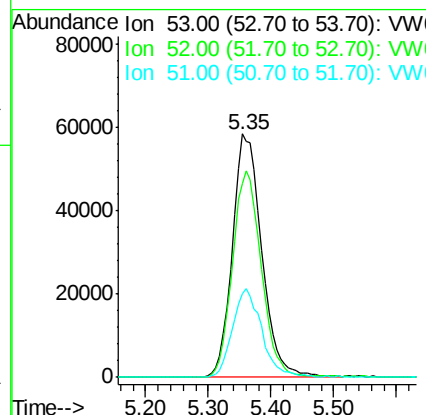
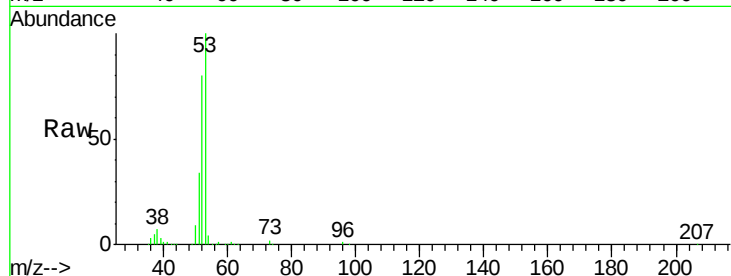
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	189232
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.6	100.0
51	36.5	29.8	44.8

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#16

Acetone

Concen: 248.541 ug/l

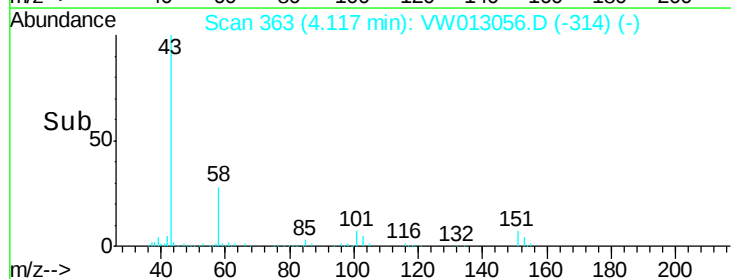
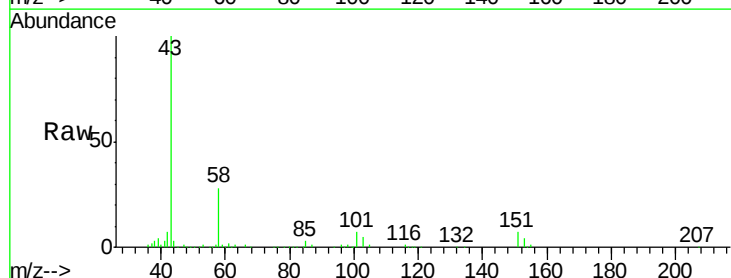
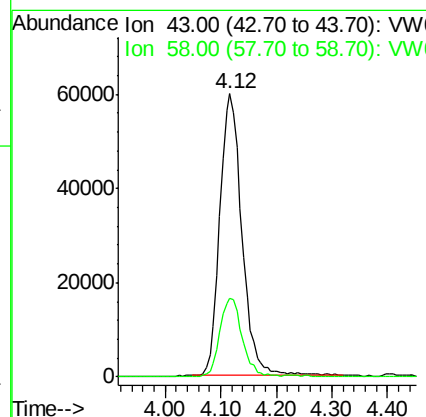
RT: 4.12 min Scan# 363

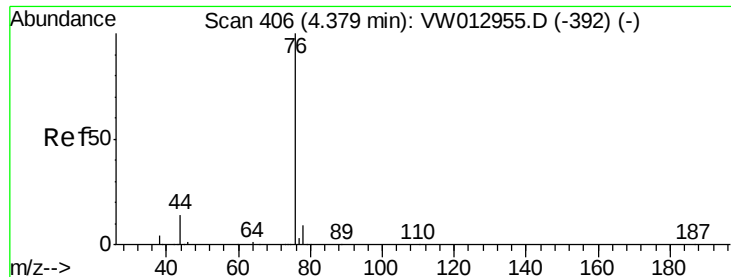
Delta R.T. 0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion:	43	Resp:	165126
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.3	33.5





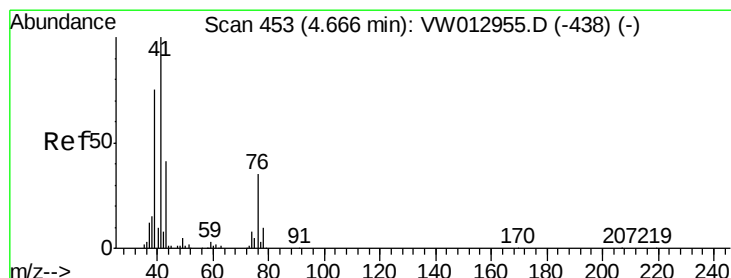
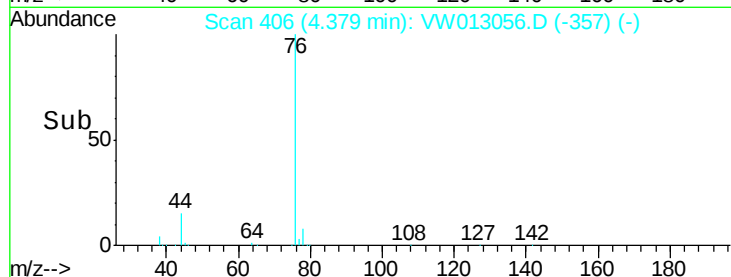
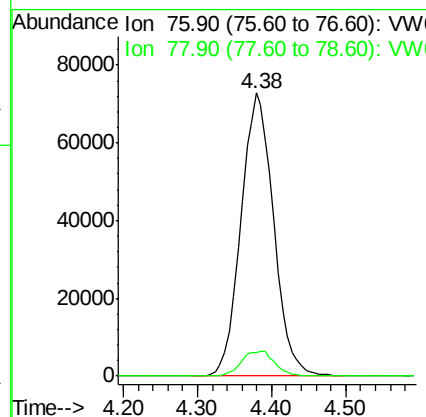
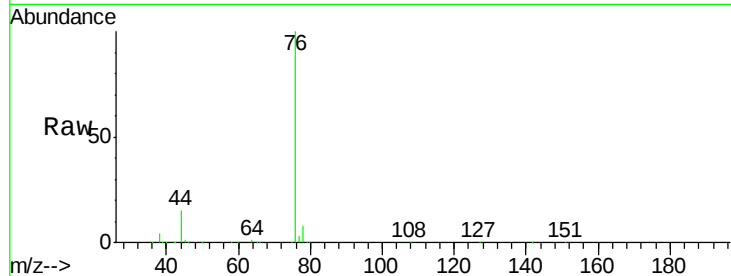
#17
Carbon Disulfide
Concen: 49.036 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	223515		
78	8.2		7.0	10.4

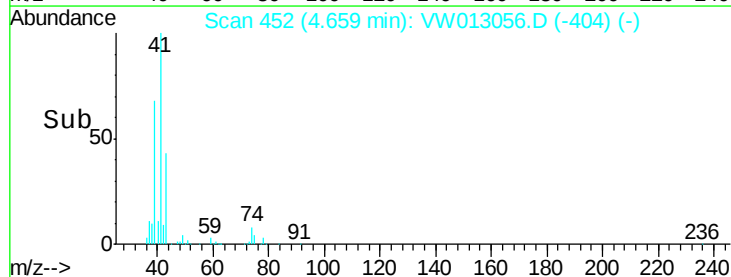
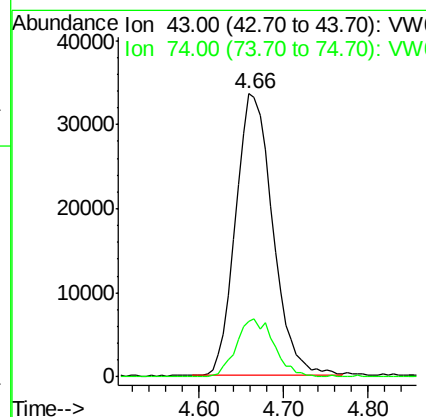
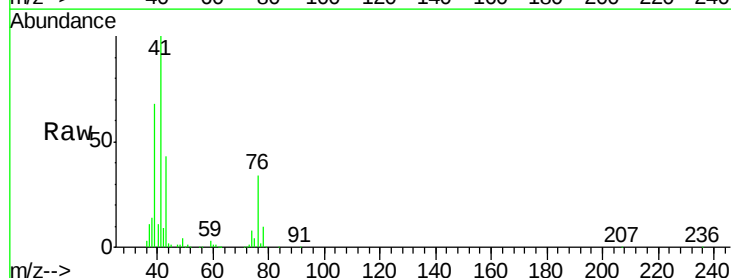
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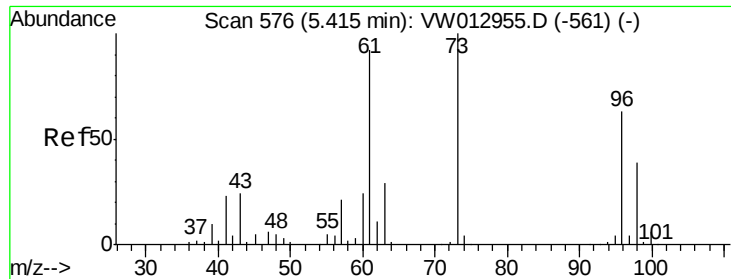
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#18
Methyl Acetate
Concen: 57.379 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	100045		
74	21.0		17.8	26.8





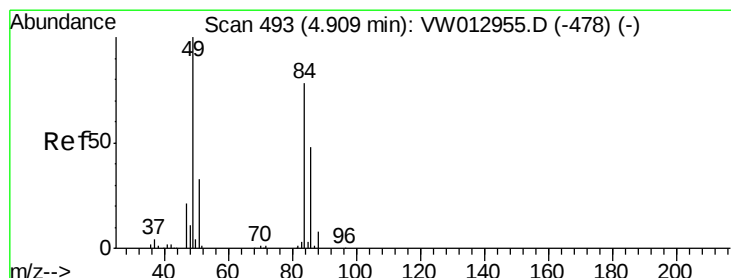
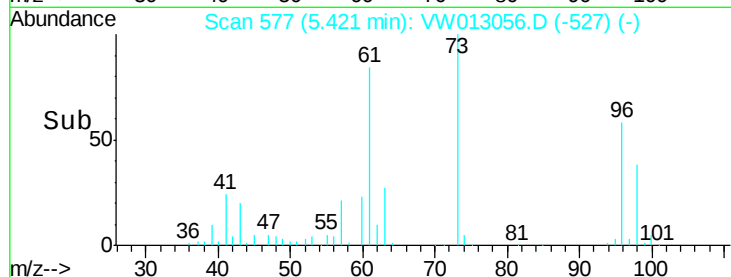
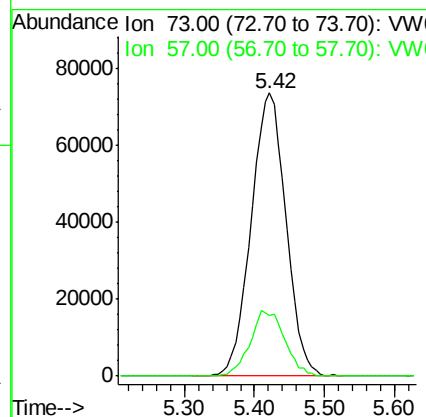
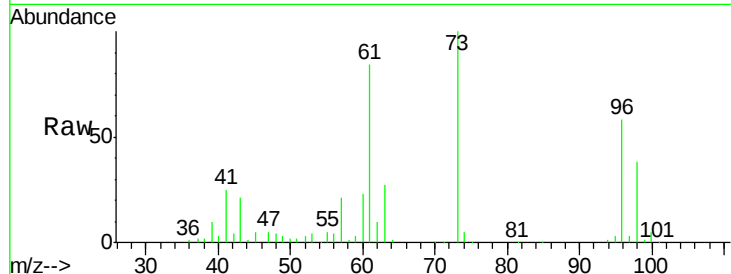
#19
Methvl tert-butvl Ether
Concen: 56.426 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 254765
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6

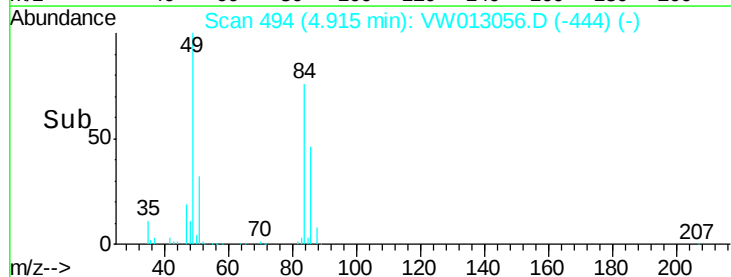
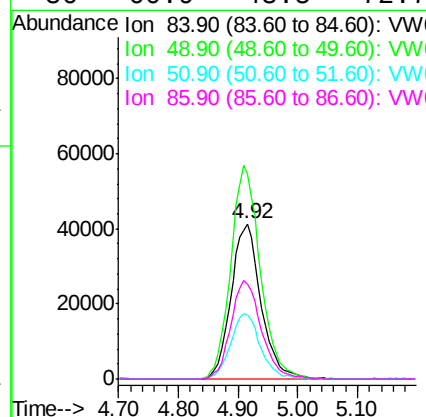
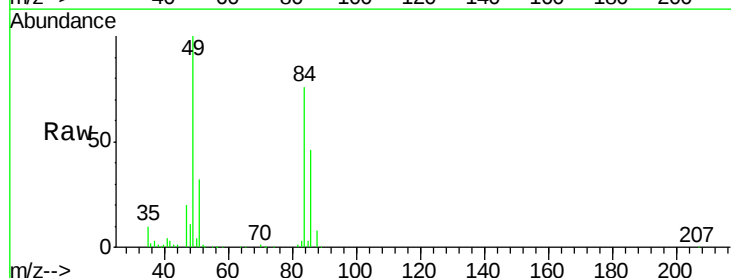
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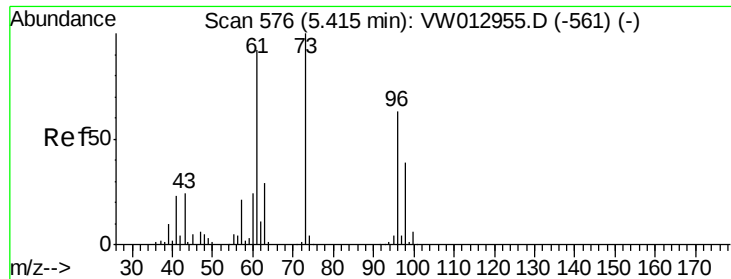
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#20
Methylene Chloride
Concen: 59.137 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 84 Resp: 143872
Ion Ratio Lower Upper
84 100
49 131.6 102.0 153.0
51 41.6 34.0 51.0
86 60.9 48.5 72.7





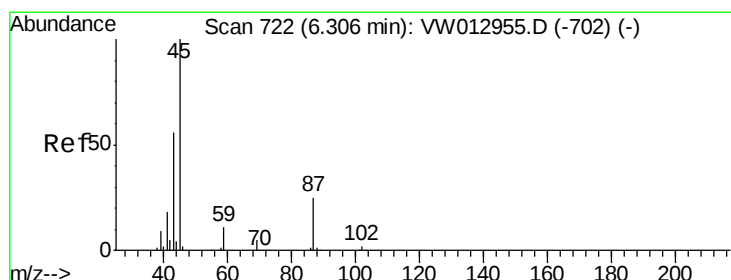
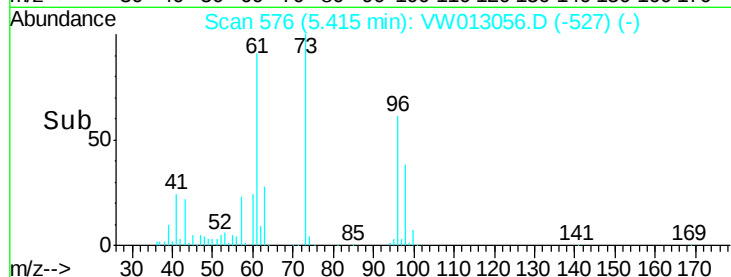
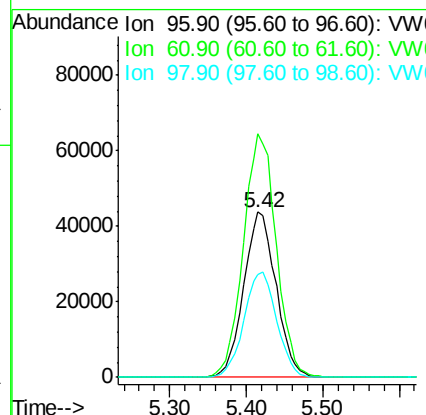
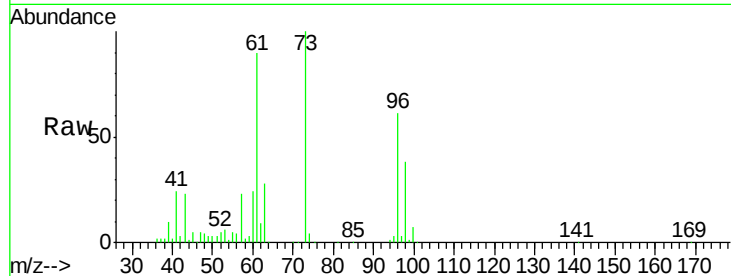
#21
trans-1,2-Dichloroethene
Concen: 52.522 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	116.2	174.2
98	61.9	49.8	74.6

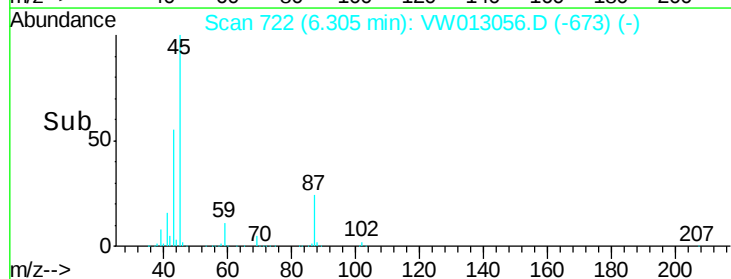
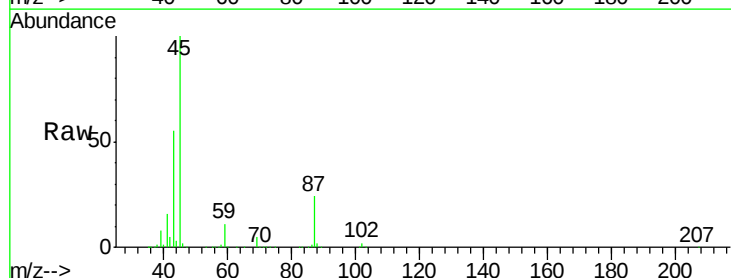
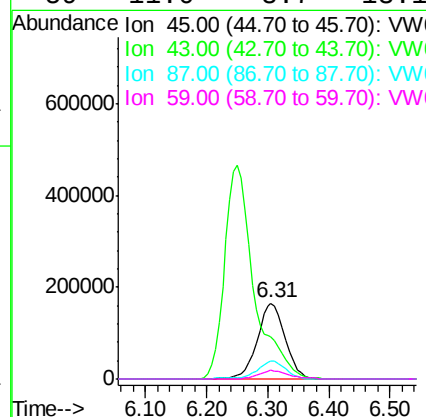
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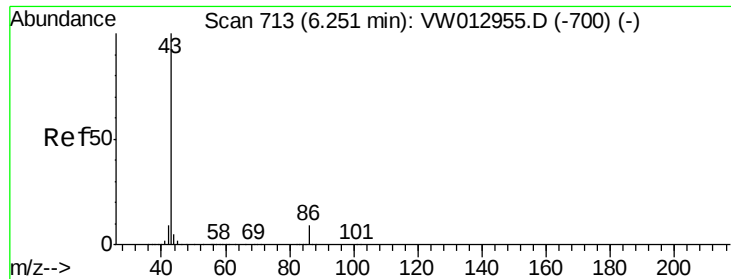
MMDadoda
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#22
Diisopropyl ether
Concen: 58.396 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	44.6	67.0
87	24.2	20.0	30.0
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 287.412 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1552858

Ion Ratio Lower Upper

43 100

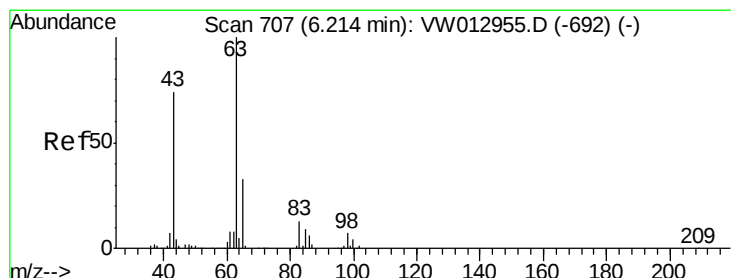
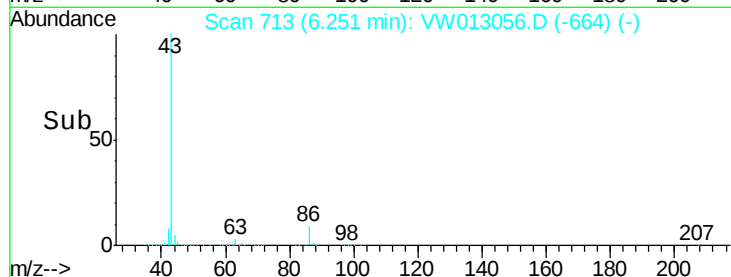
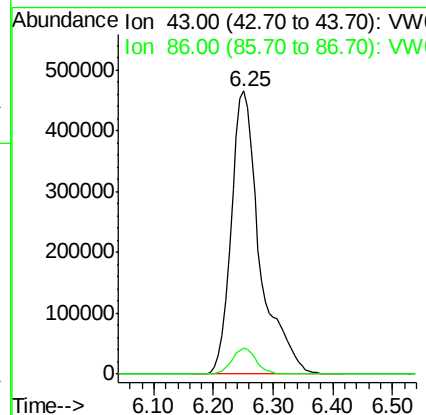
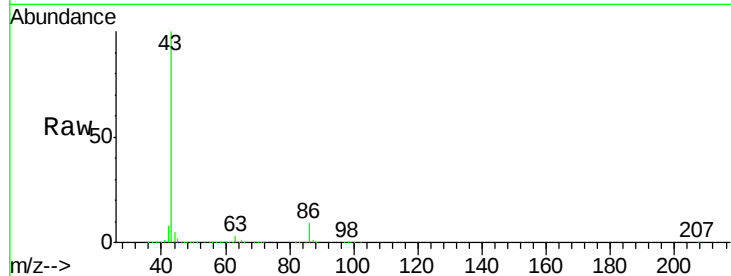
86 9.2 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.287 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

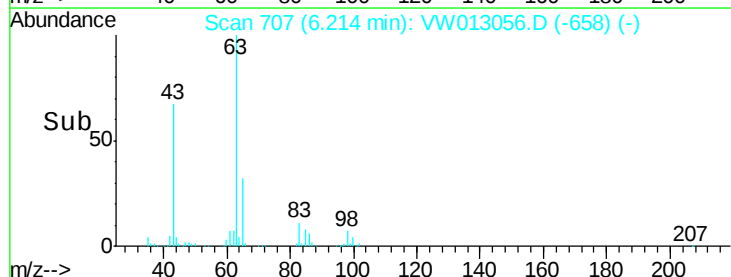
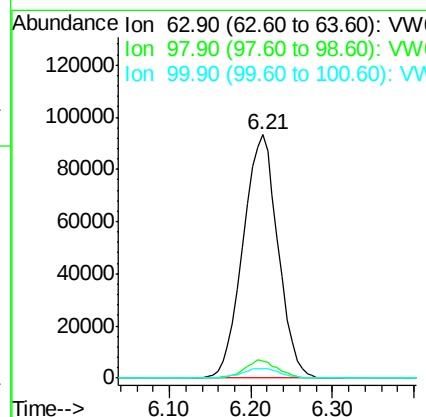
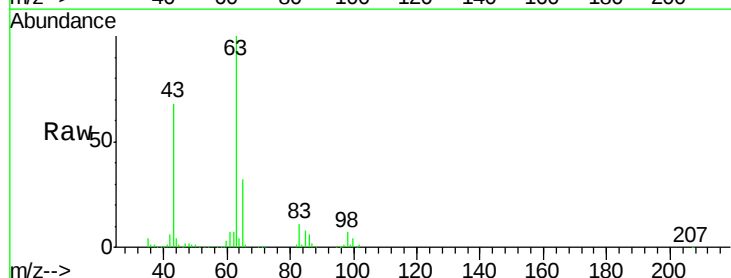
Tgt Ion: 63 Resp: 277152

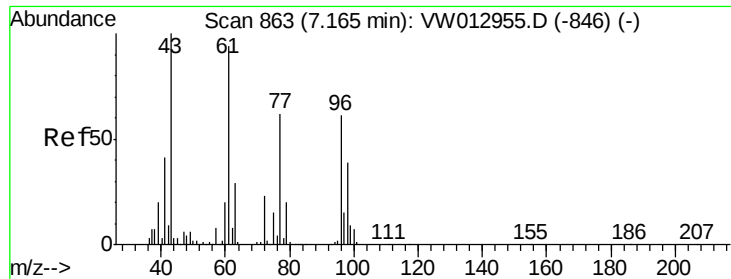
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 268.301 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 261095

Ion Ratio Lower Upper

43 100

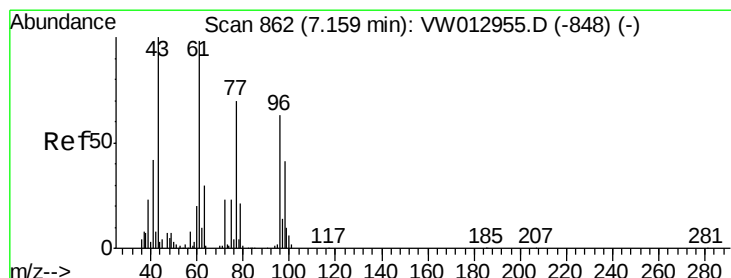
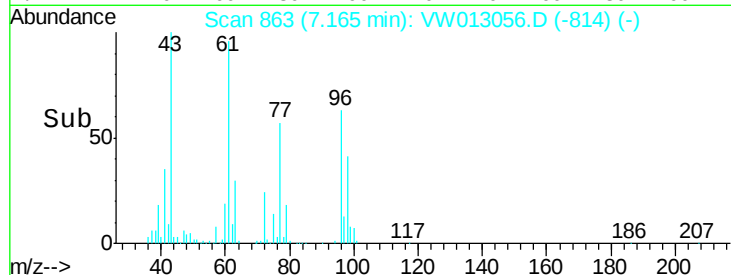
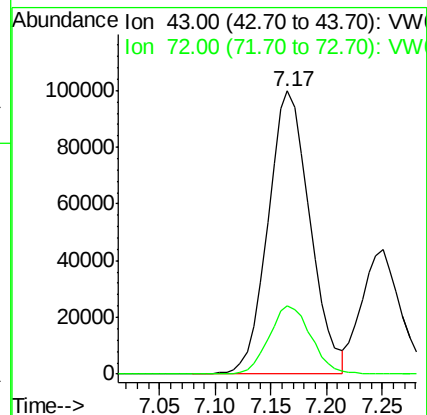
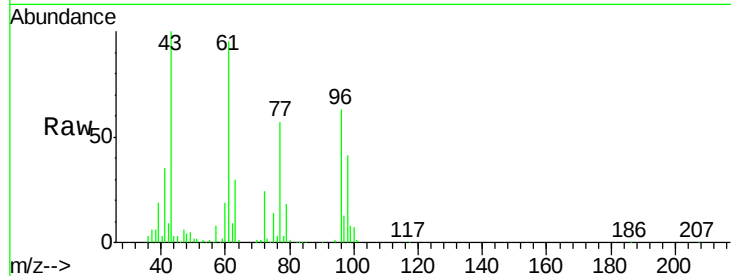
72 24.2 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.013 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013056.D

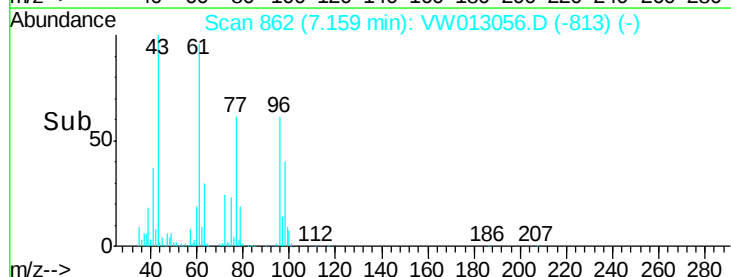
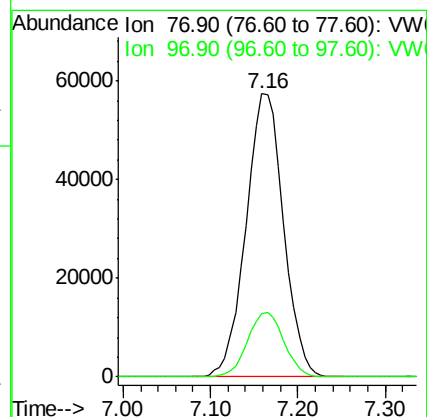
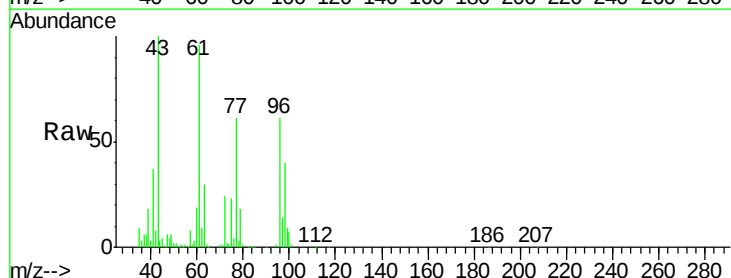
Acq: 16 Sep 2019 22:26

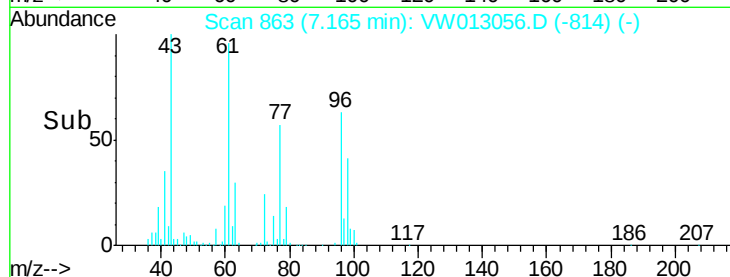
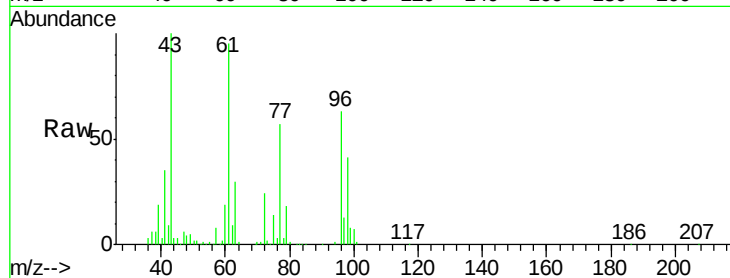
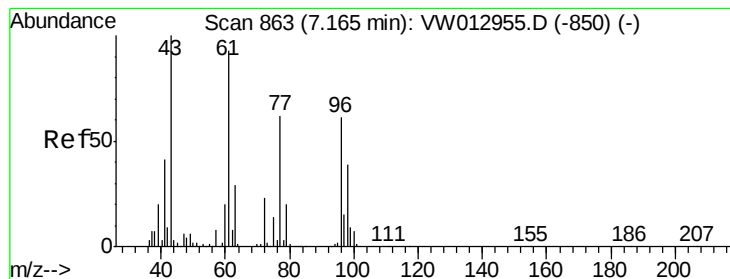
Tgt Ion: 77 Resp: 171107

Ion Ratio Lower Upper

77 100

97 22.1 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 54.612 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tot Ion:	96	Resp:	160172
Ion Ratio	Lower	Upper	
96	100		
61	156.6	0.0	315.4
98	65.5	0.0	131.0

Instrument :

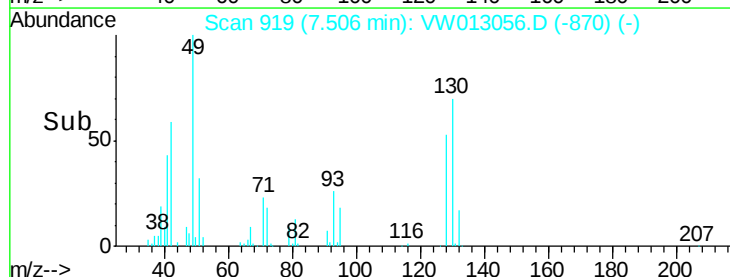
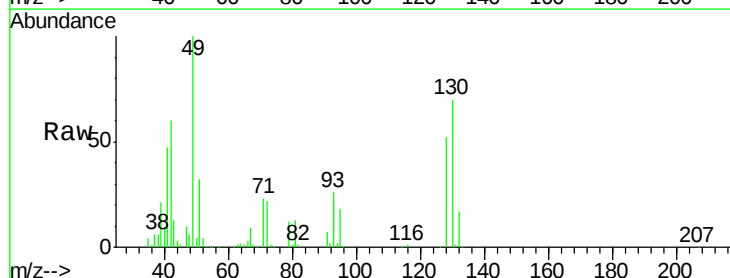
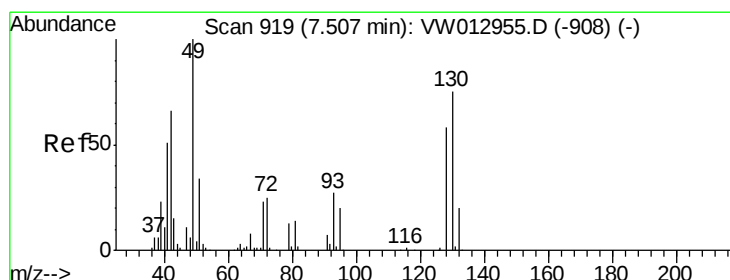
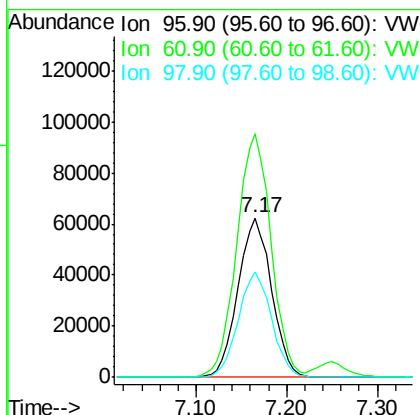
MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 58.288 ug/l

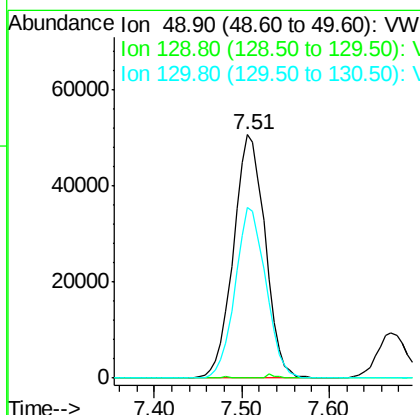
RT: 7.51 min Scan# 919

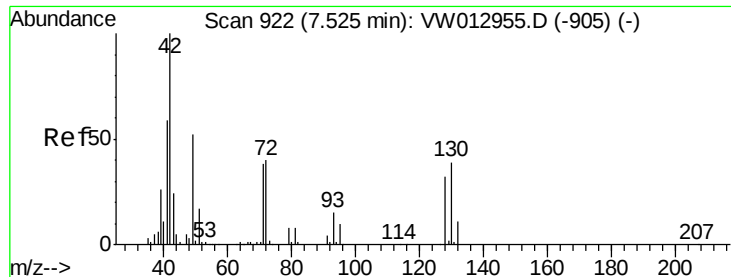
Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion:	49	Resp:	127600
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	1.4
130	68.1	57.8	86.6





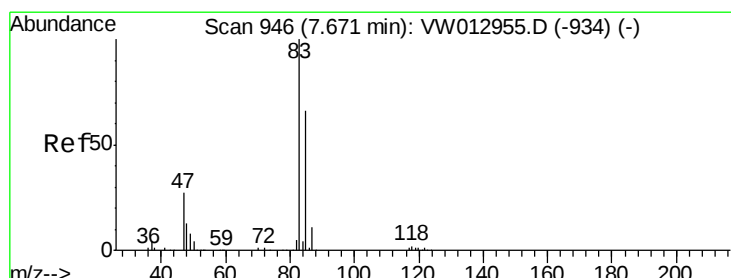
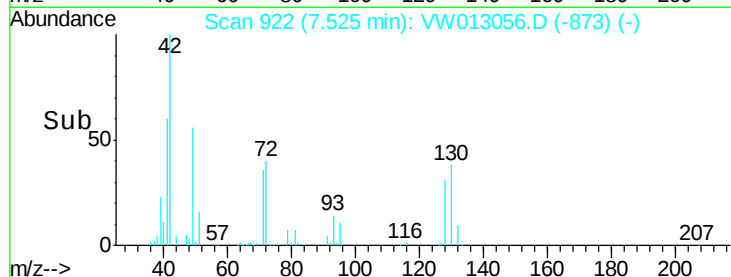
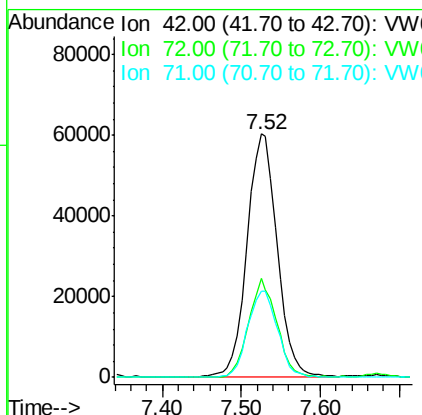
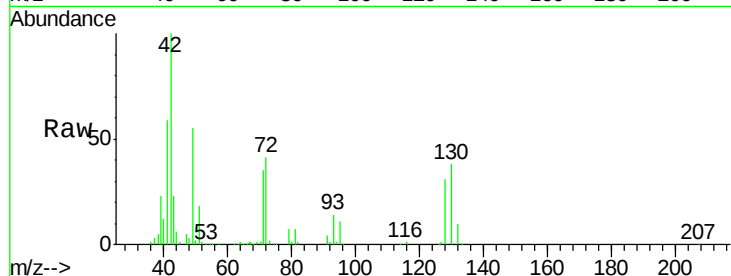
#29
Tetrahydrofuran
Concen: 289.341 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.4	47.0
71	35.4	29.8	44.8

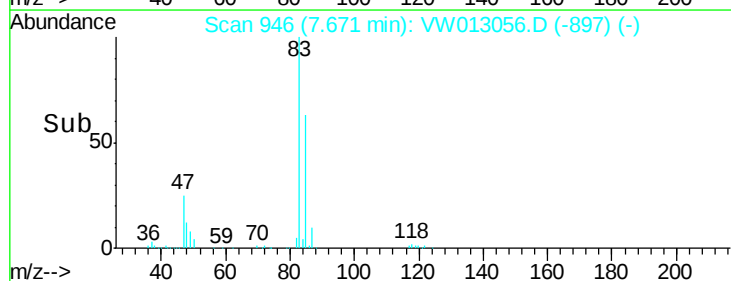
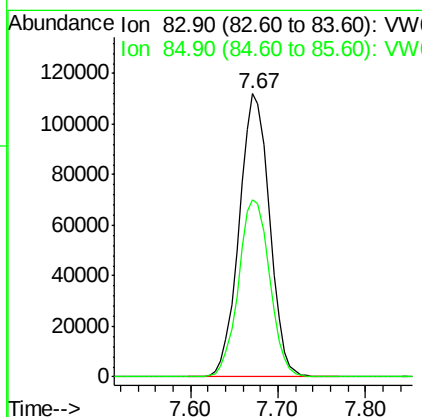
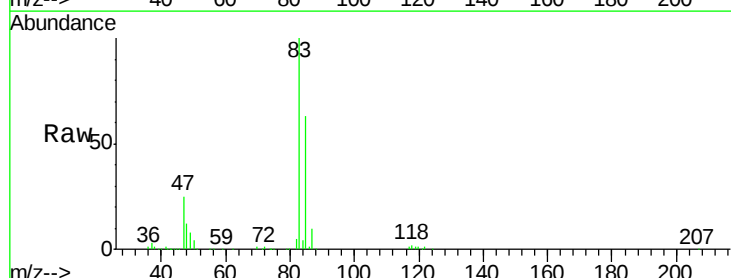
Manual Integrations
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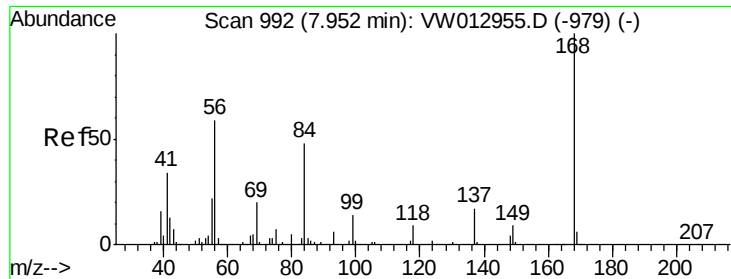
MMDadoda
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#30
Chloroform
Concen: 51.088 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.8	79.2





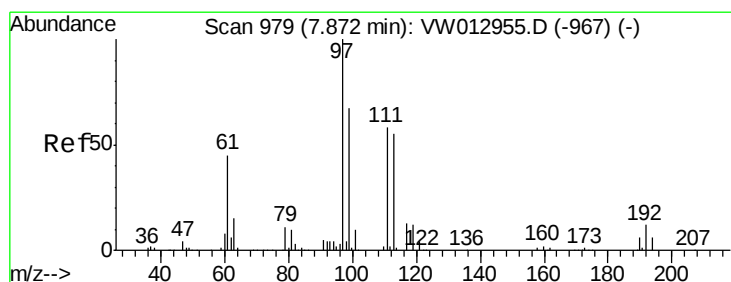
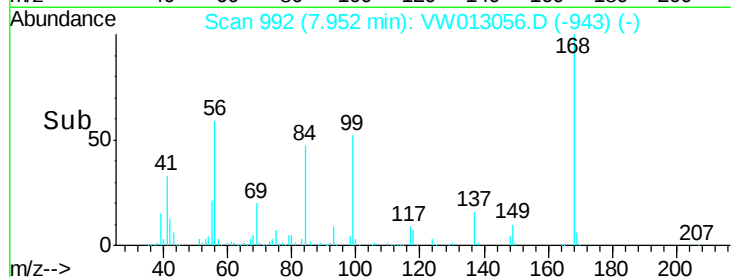
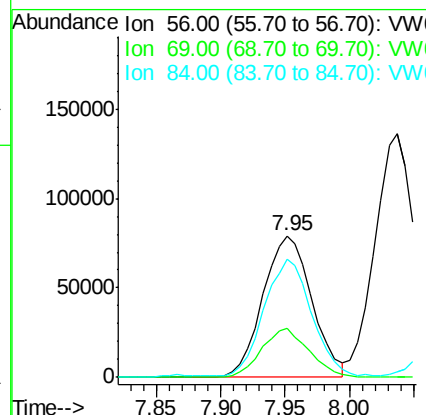
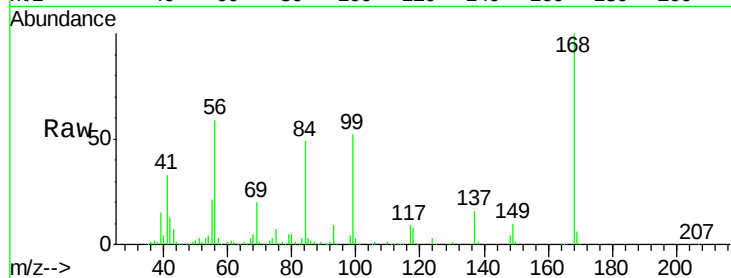
#31
Cyclohexane
Concen: 53.752 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.0	40.6
84	81.4	66.2	99.2

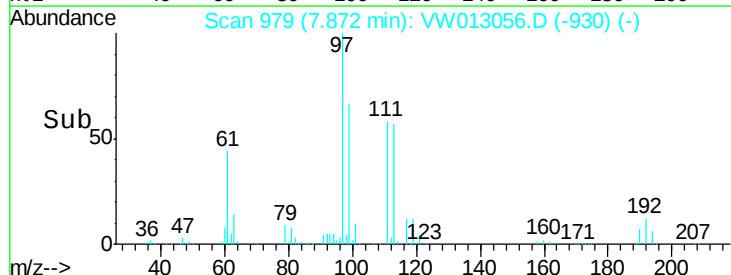
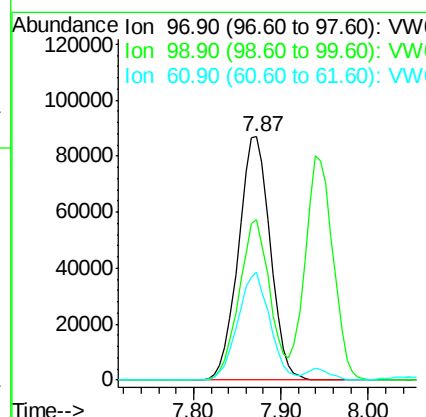
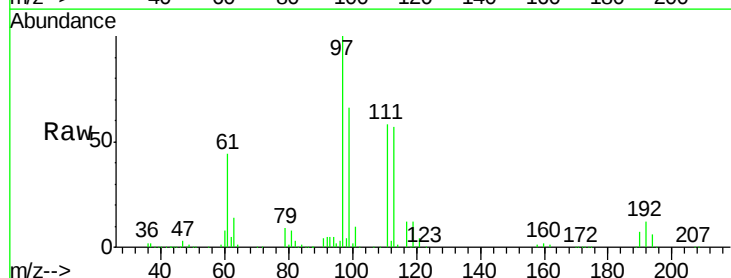
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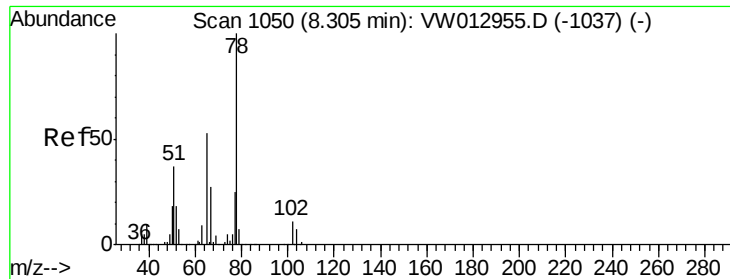
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#32
1,1,1-Trichloroethane
Concen: 50.506 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	53.0	79.4
61	44.5	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 49.546 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 151632

Ion Ratio Lower Upper

65 100

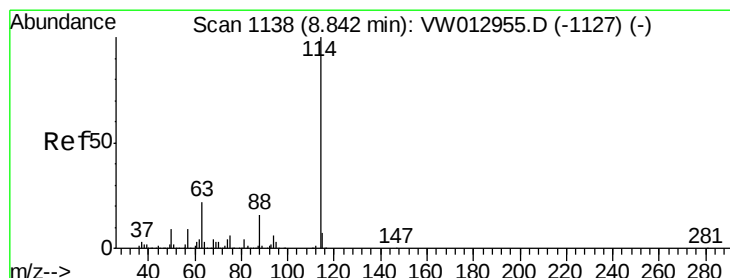
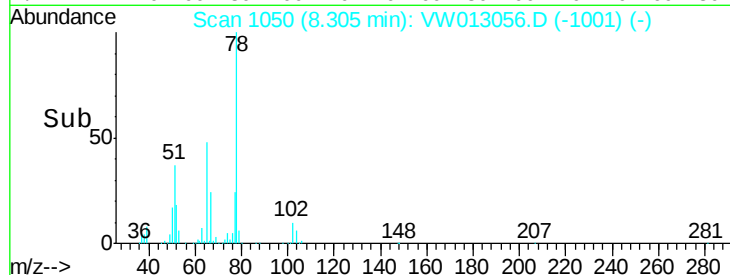
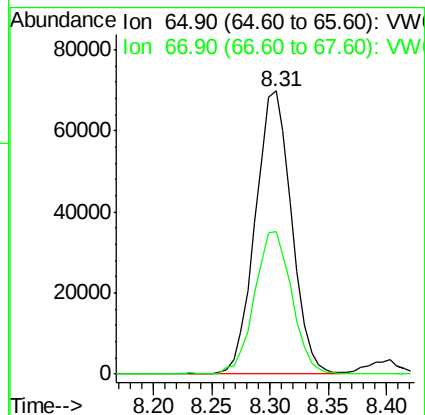
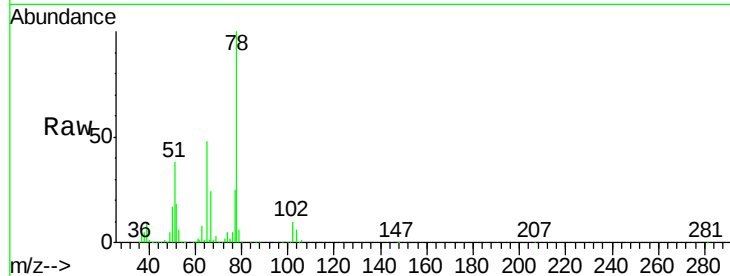
67 51.7 0.0 101.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

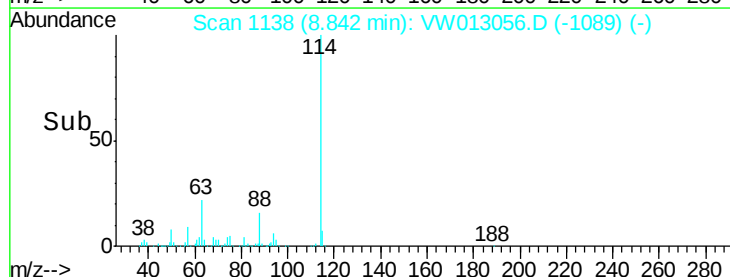
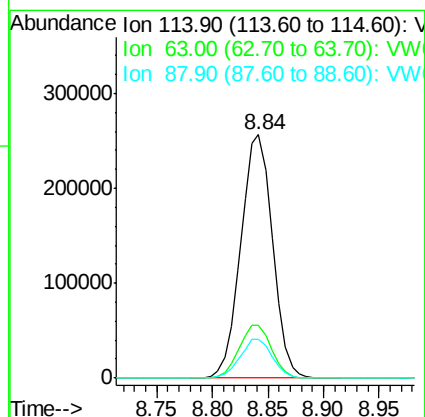
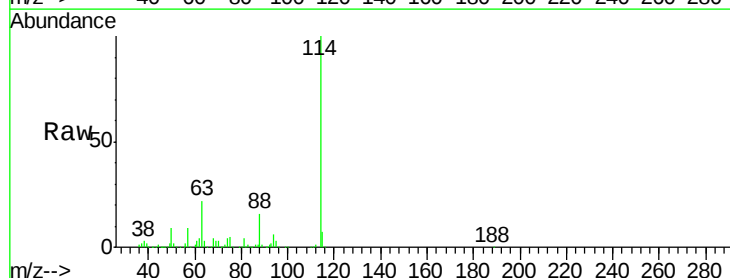
Tgt Ion: 114 Resp: 508908

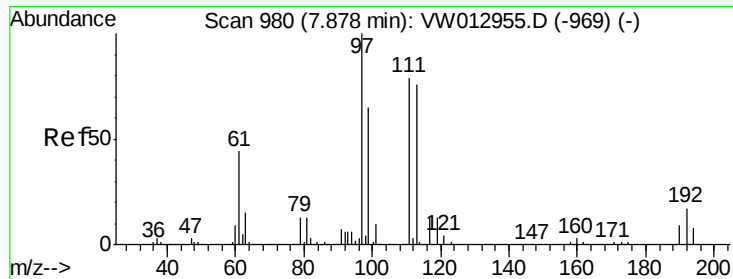
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

88 16.2 0.0 31.6





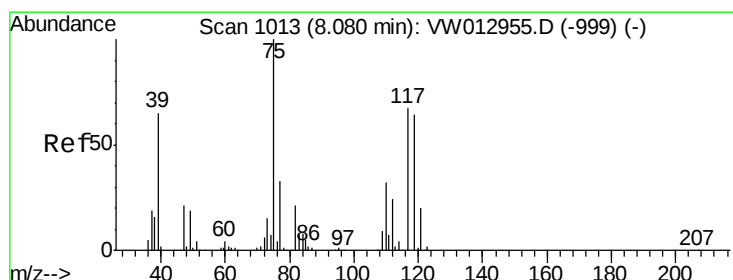
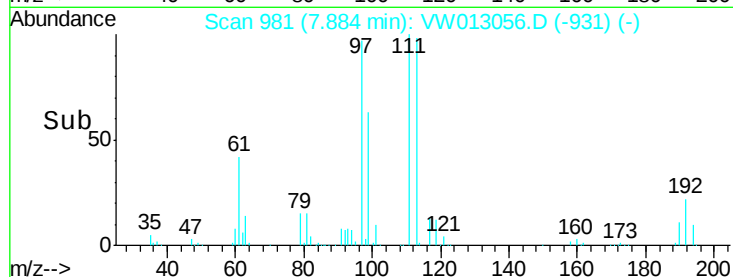
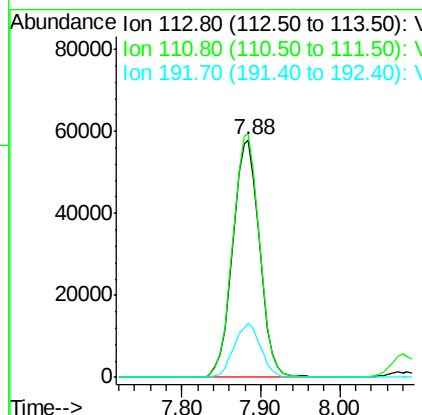
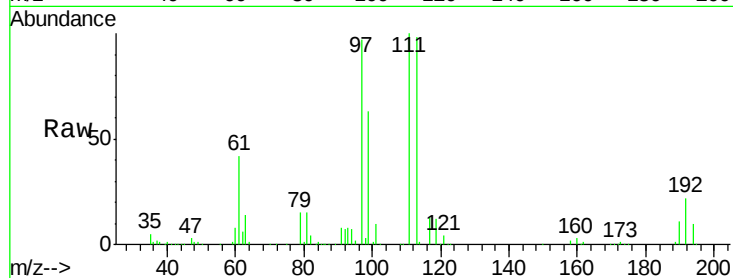
#35
 Dibromofluoromethane
 Concen: 49.546 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136817		
111	102.6	82.8	124.2	
192	22.5	17.8	26.8	

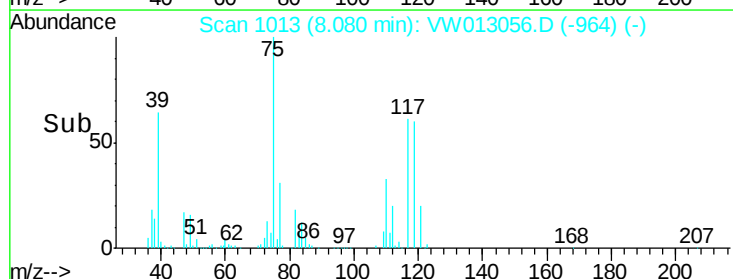
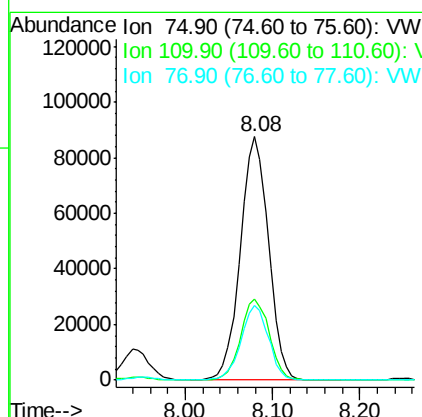
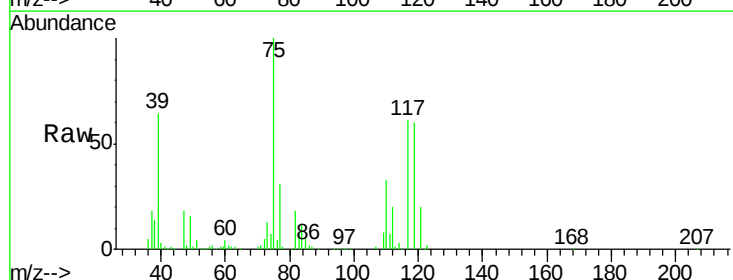
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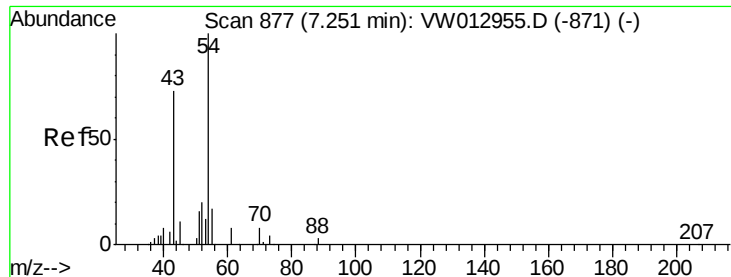
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#36
 1,1-Dichloropropene
 Concen: 48.360 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196660		
110	33.8	16.4	49.1	
77	29.9	25.1	37.7	





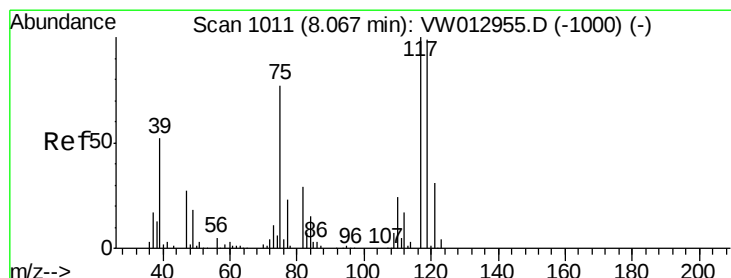
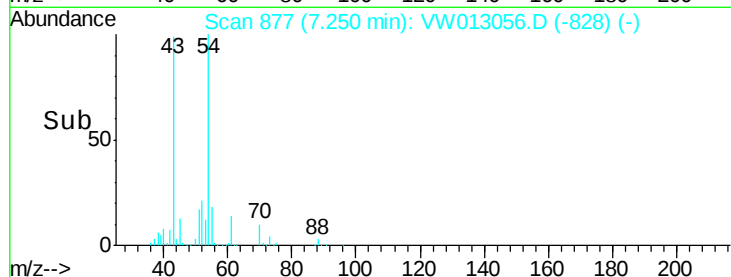
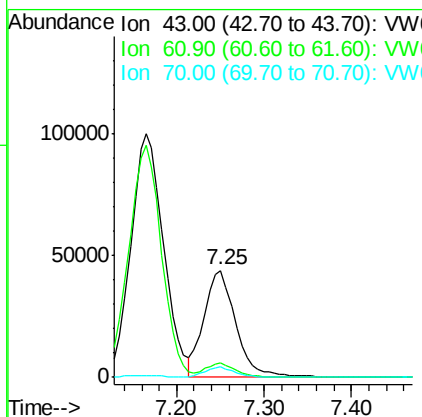
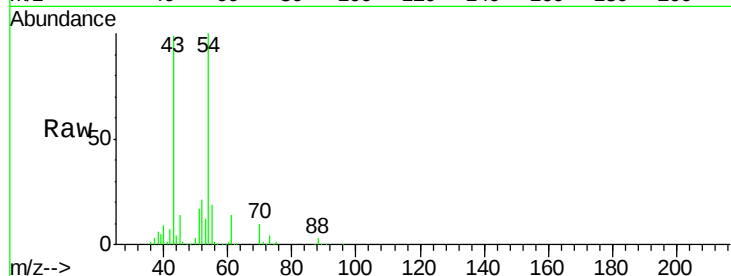
#37
Ethyl Acetate
Concen: 50.869 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	109801		
61	12.5		9.6	14.4
70	9.3		7.6	11.4

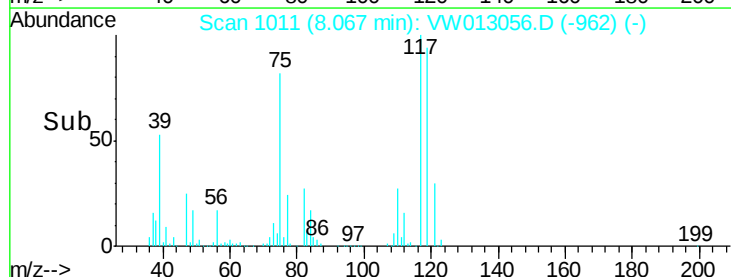
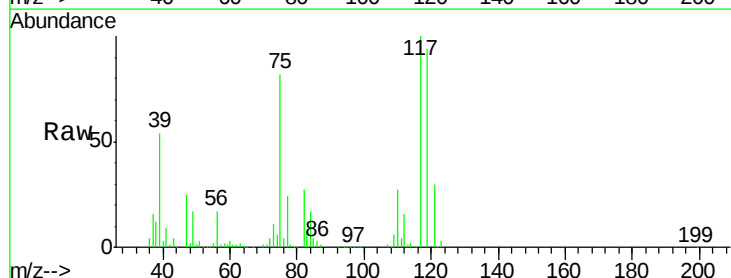
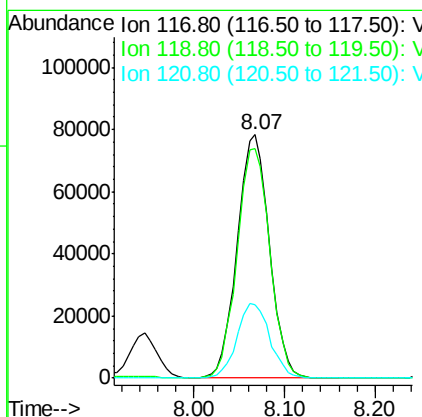
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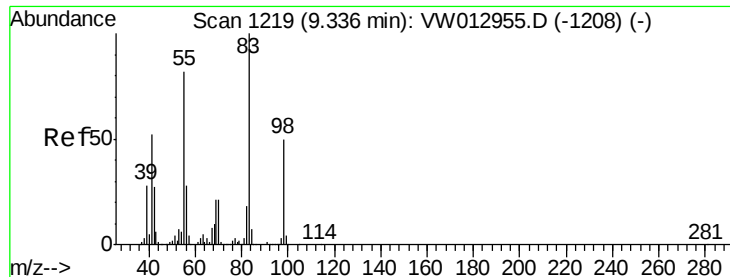
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#38
Carbon Tetrachloride
Concen: 46.206 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	192558		
119	94.0		79.4	119.0
121	30.2		24.6	36.8





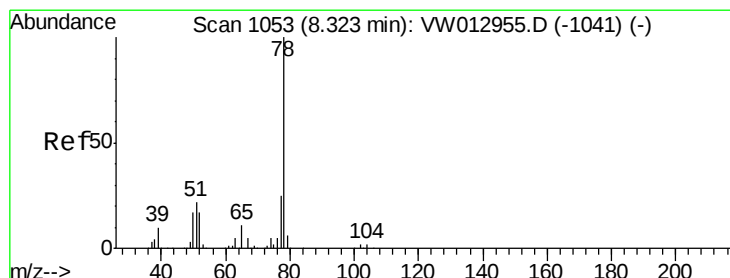
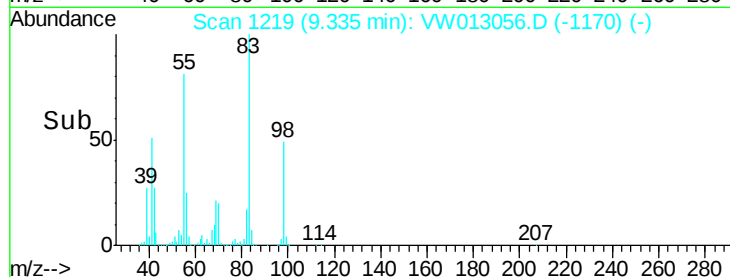
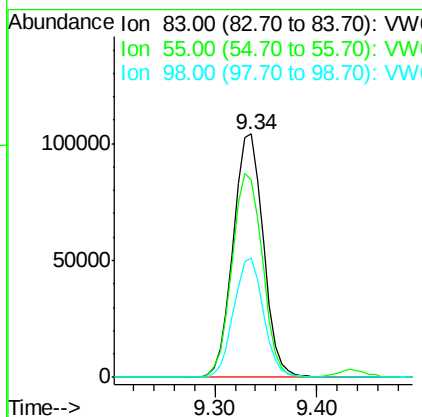
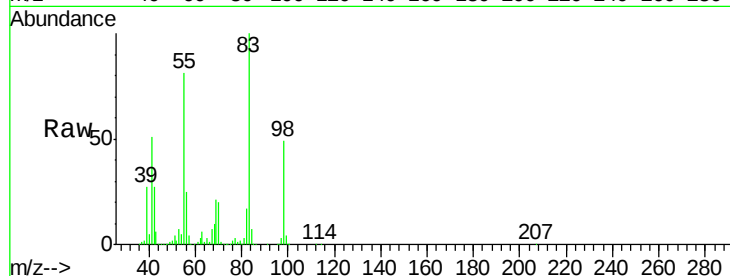
#39
Methvlcvclohexane
Concen: 47.953 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	65.9	98.9
98	48.9	39.6	59.4

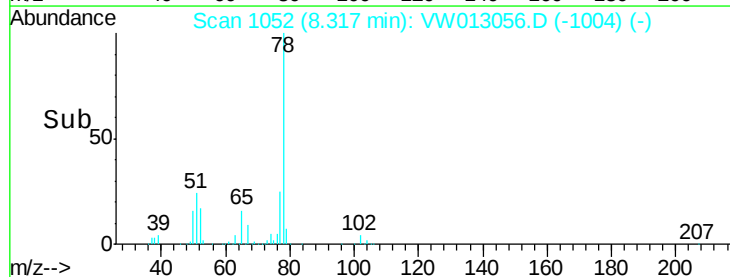
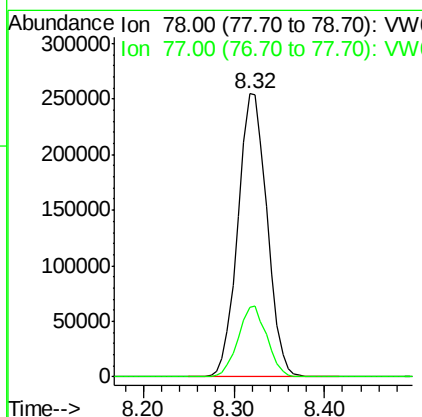
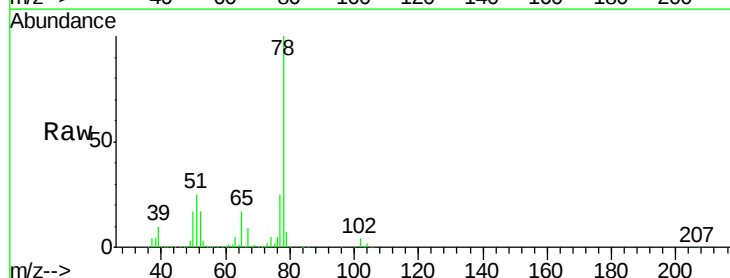
Manual Integrations
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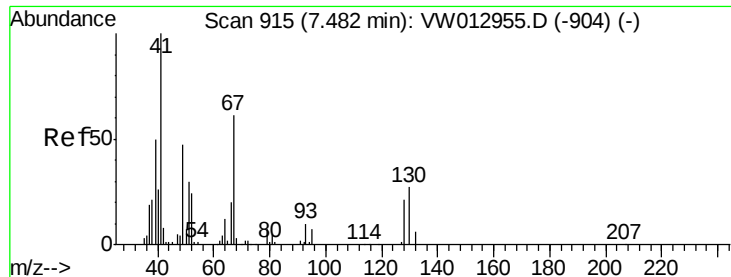
MMDadoda
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#40
Benzene
Concen: 49.976 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





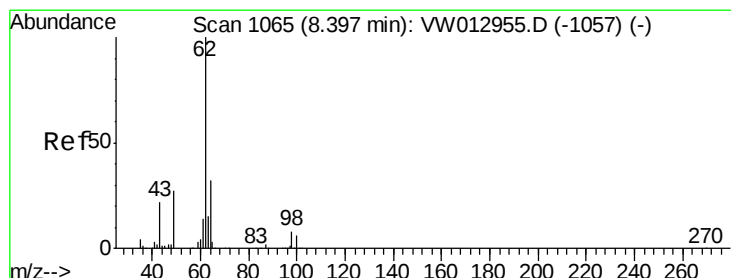
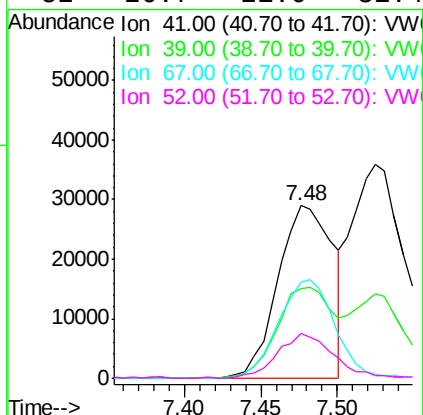
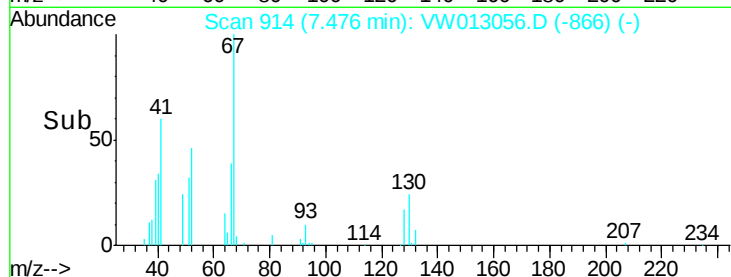
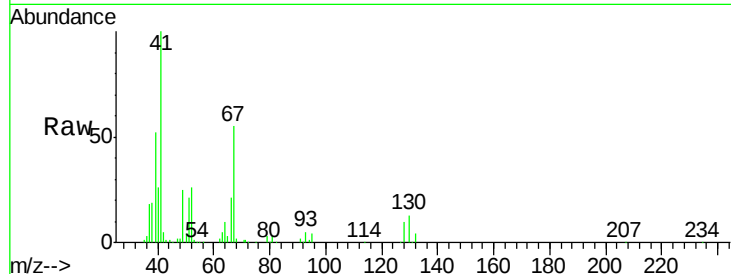
#41
Methacrylonitrile
Concen: 50.939 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	48.2	72.4
67	58.7	47.5	71.3
52	26.7	21.0	31.4

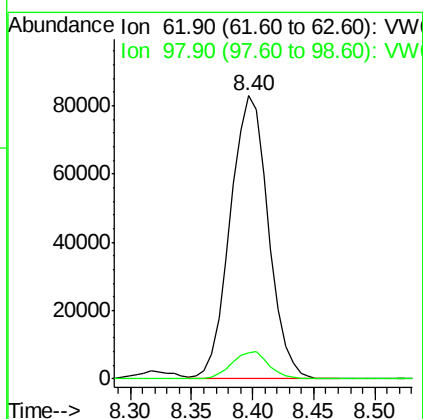
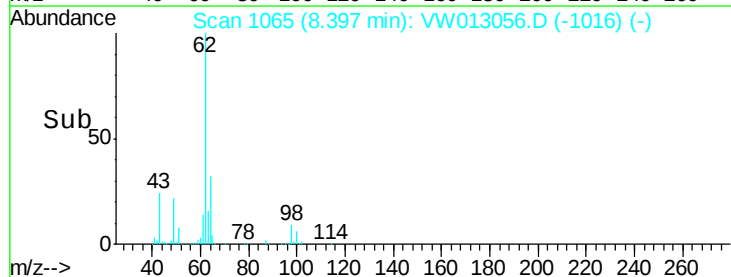
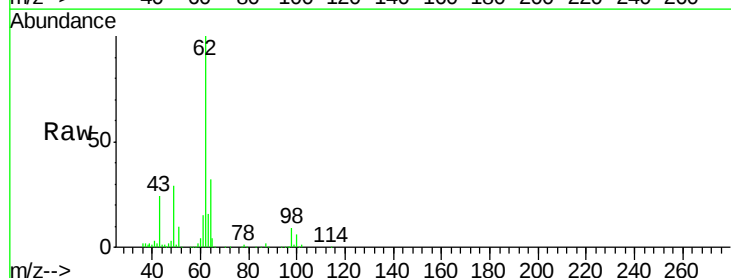
Manual Integrations
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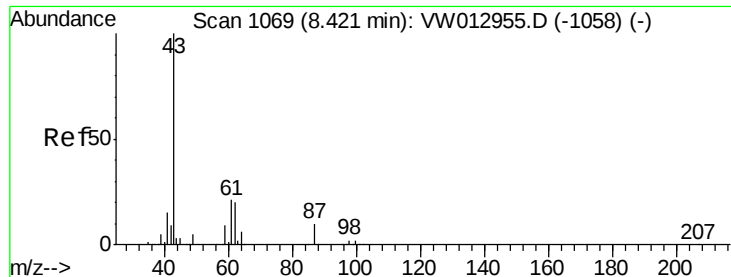
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.954 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.8





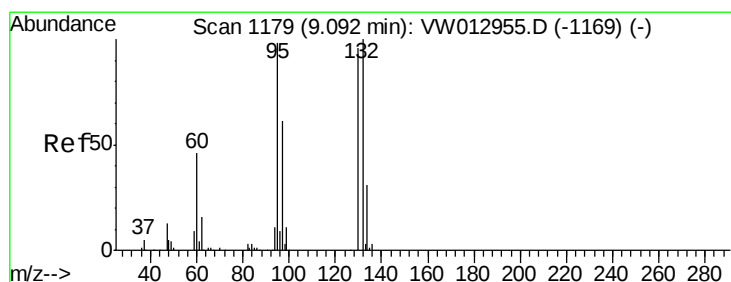
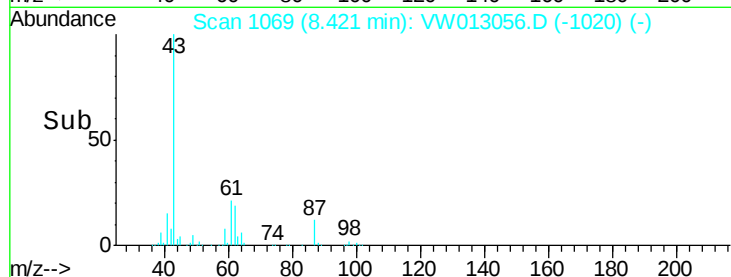
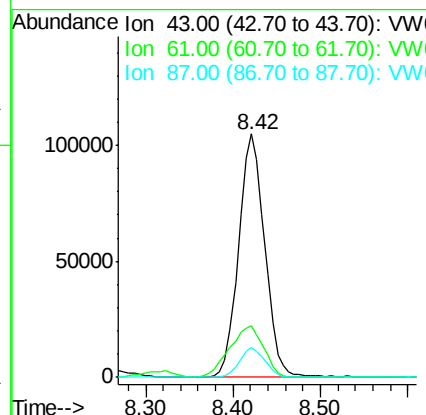
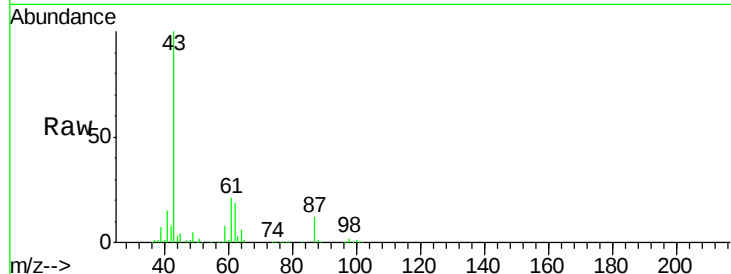
#43
Isopropyl Acetate
Concen: 52.385 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	217107
Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.7	34.1
87	12.0	9.4	14.2

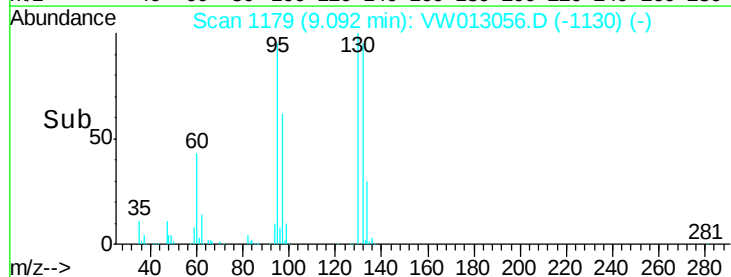
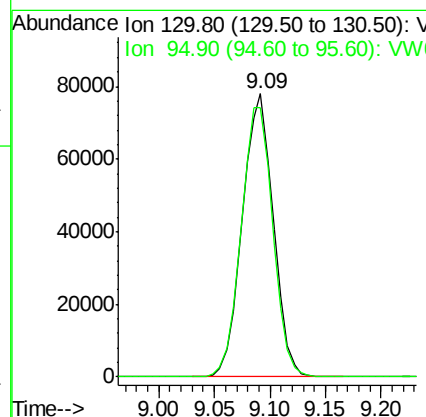
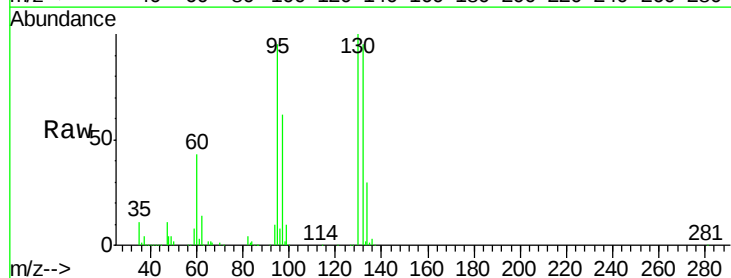
Manual Integrations
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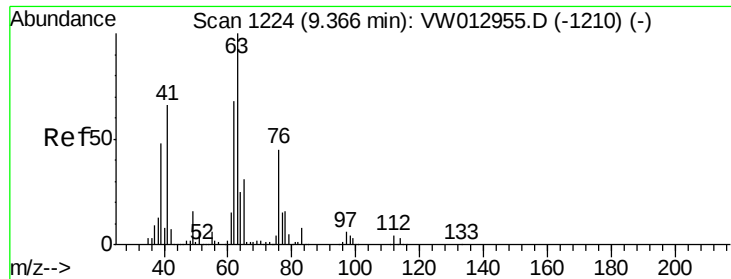
MMDadoda
9/18/2019 2:01:12 PM



#44
Trichloroethene
Concen: 48.204 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	130	Resp	149894
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	204.4





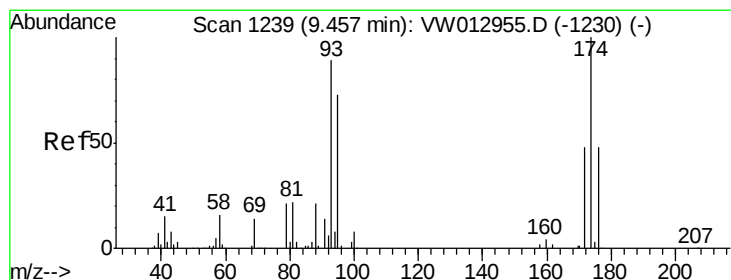
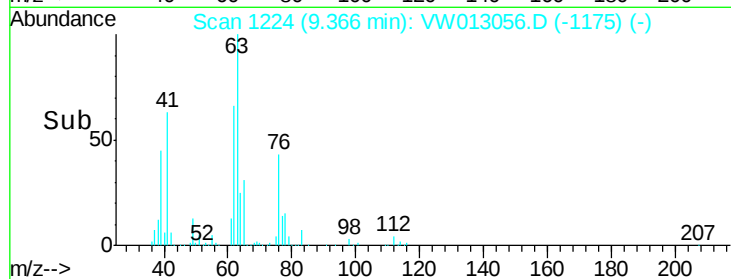
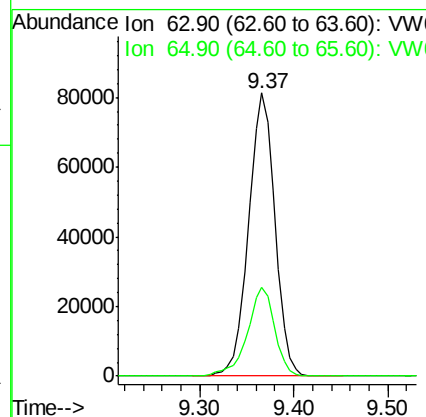
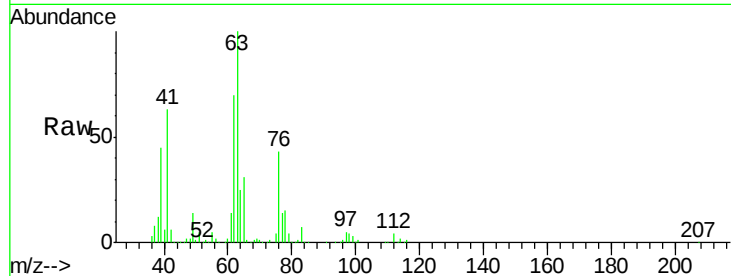
#45
 1,2-Dichloropropane
 Concen: 52.906 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 159576
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

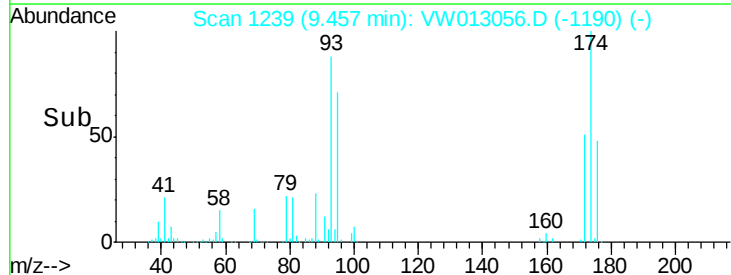
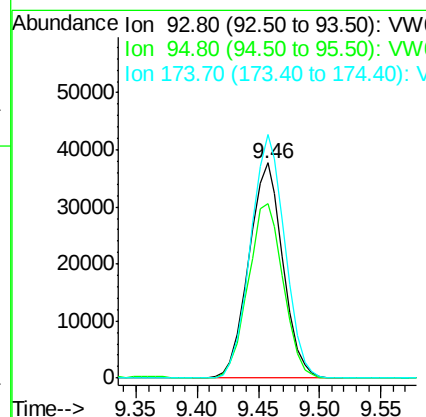
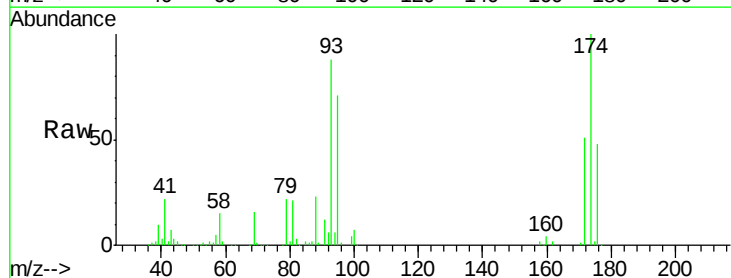
Manual Integrations
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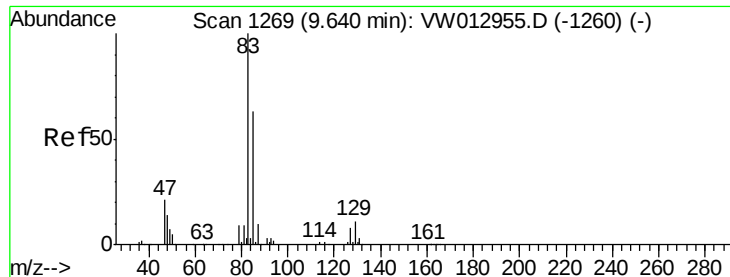
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 9/18/2019 2:01:12 PM



#46
 Dibromomethane
 Concen: 50.485 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 93 Resp: 72954
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.0 100.4
 174 113.6 90.5 135.7





#47

Bromodichloromethane

Concen: 51.448 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

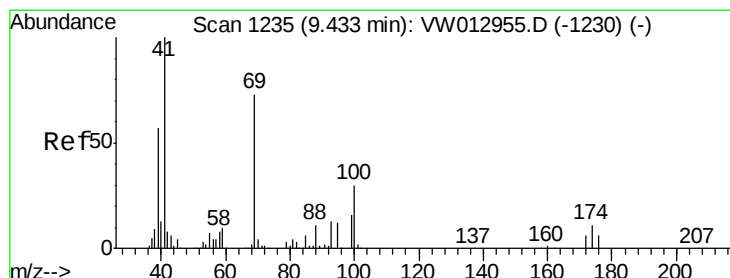
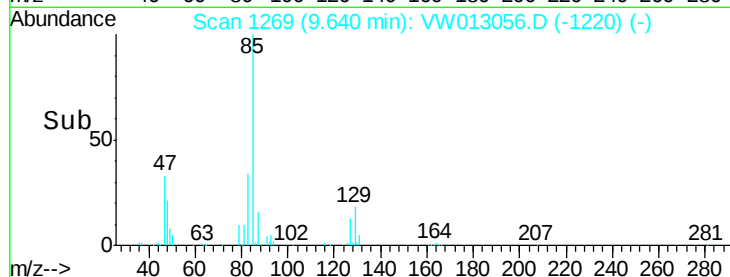
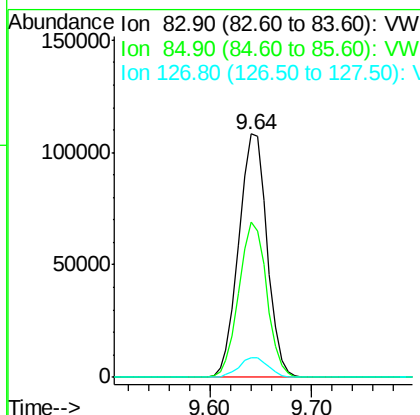
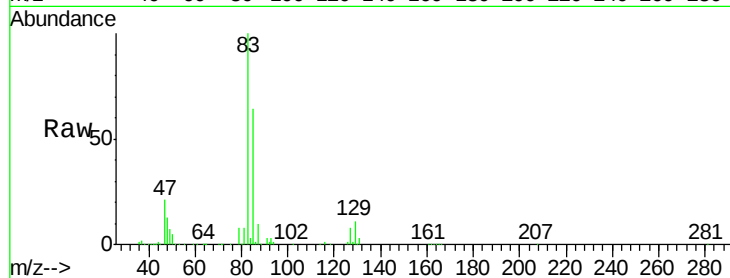
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	208539
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	75.8
127	8.1	6.7	10.1

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#48

Methyl methacrylate

Concen: 53.854 ug/l

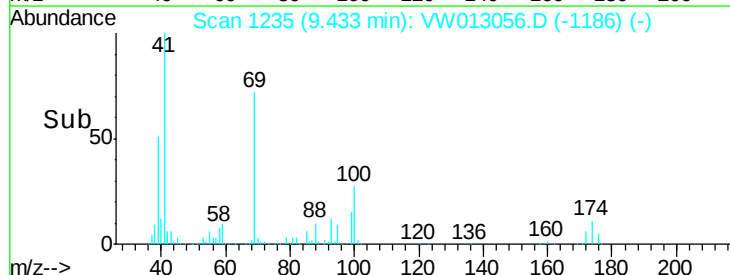
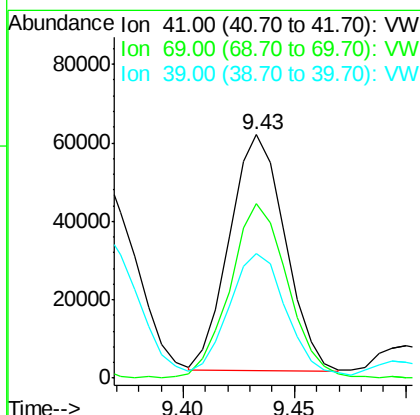
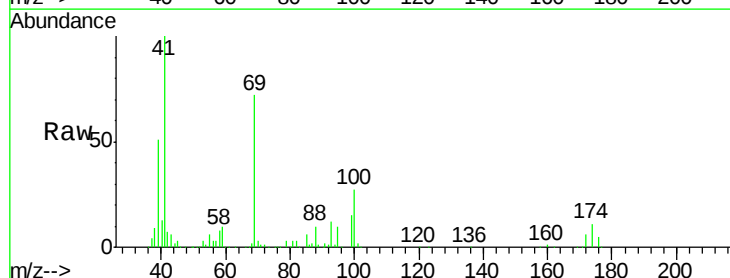
RT: 9.43 min Scan# 1235

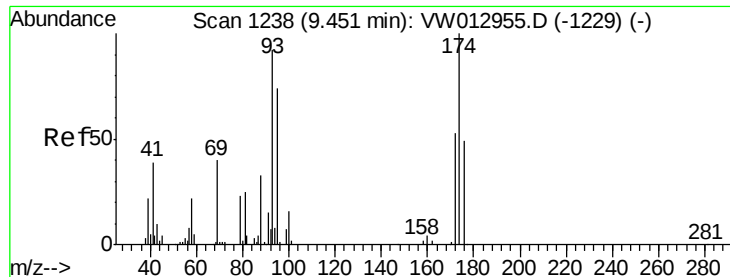
Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion:	41	Resp:	104749
Ion	Ratio	Lower	Upper
41	100		
69	76.7	62.8	94.2
39	55.6	48.5	72.7





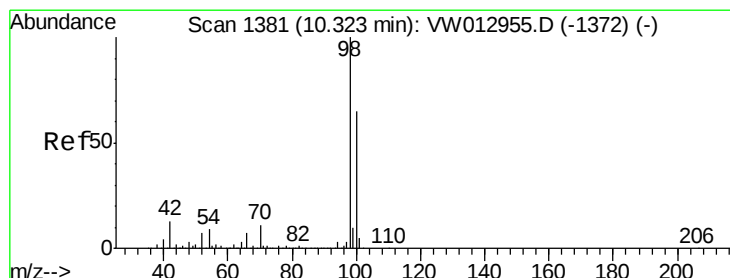
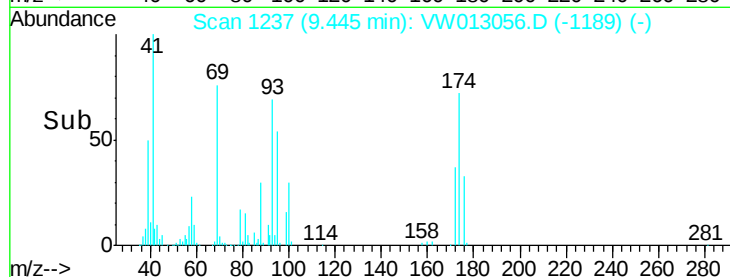
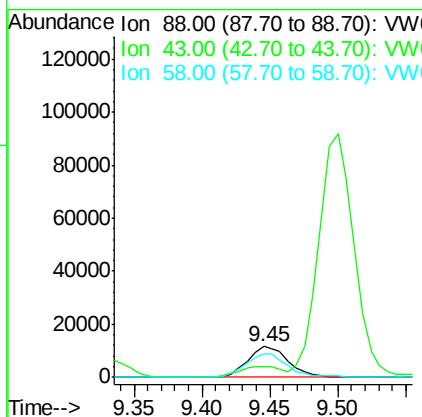
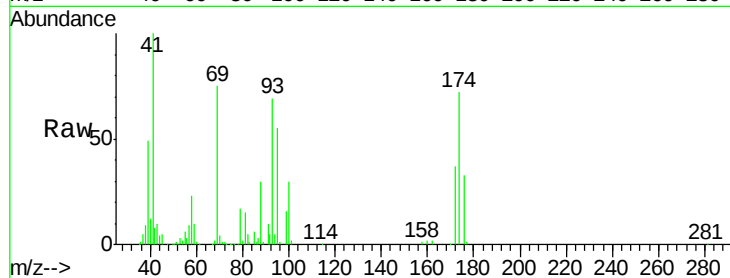
#49
1,4-Dioxane
Concen: 989.389 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	31.3	46.9
58	80.9	60.2	90.2

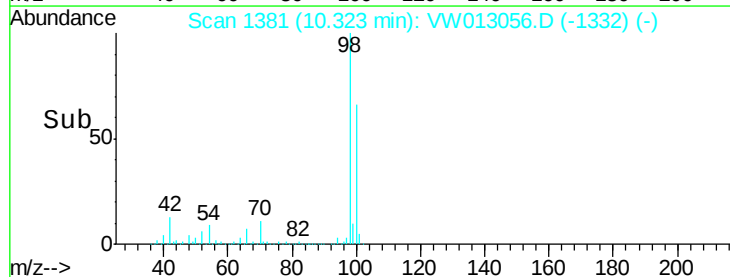
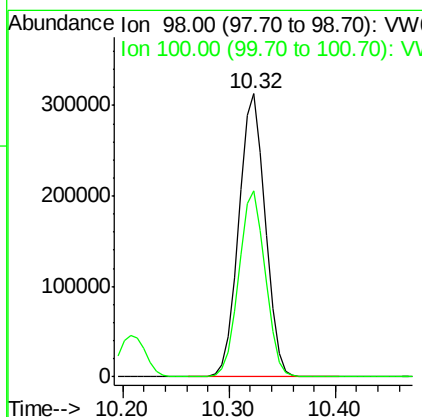
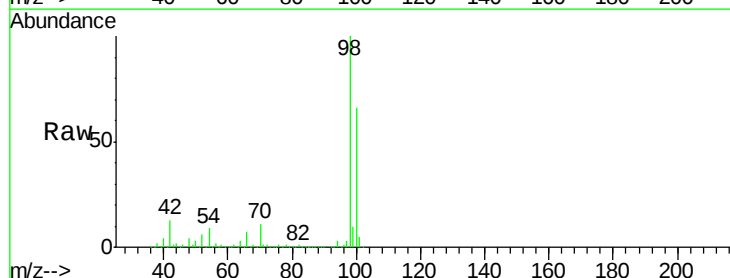
Manual Integrations
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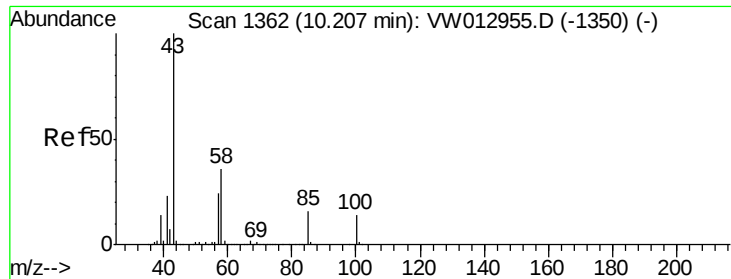
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#50
Toluene-d8
Concen: 50.631 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 270.939 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 579720

Ion Ratio Lower Upper

43 100

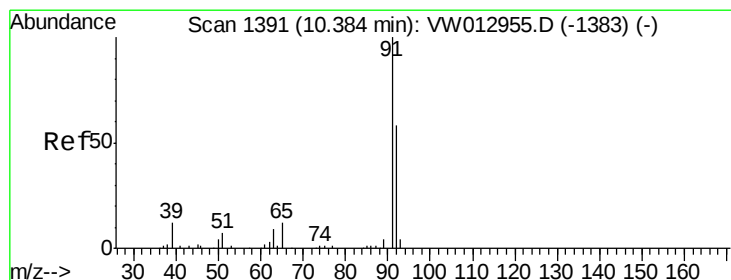
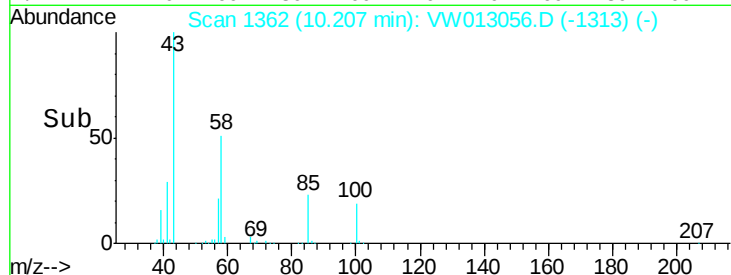
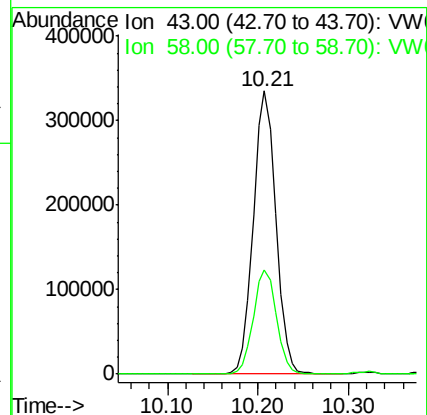
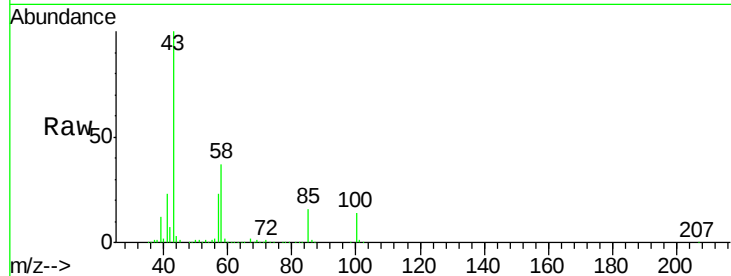
58 37.7 29.5 44.3

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#52

Toluene

Concen: 51.170 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013056.D

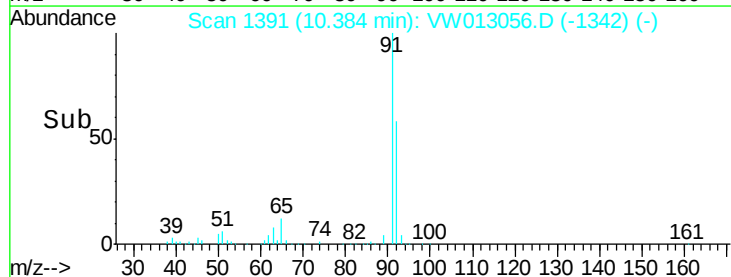
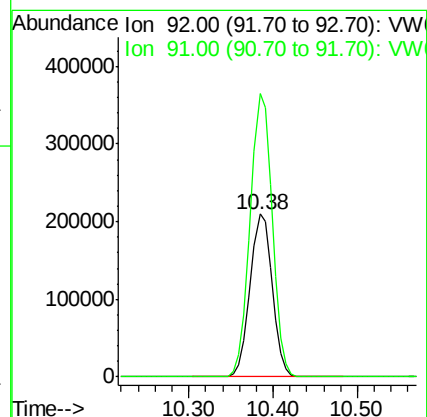
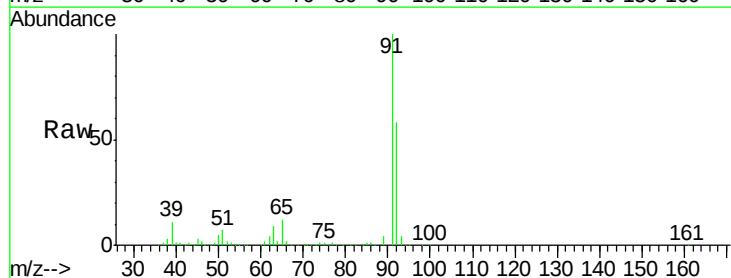
Acq: 16 Sep 2019 22:26

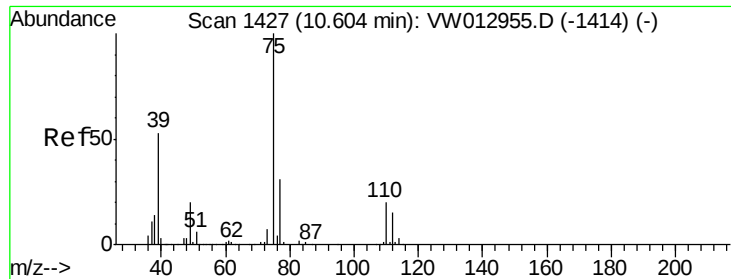
Tgt Ion: 92 Resp: 369137

Ion Ratio Lower Upper

92 100

91 173.2 137.5 206.3





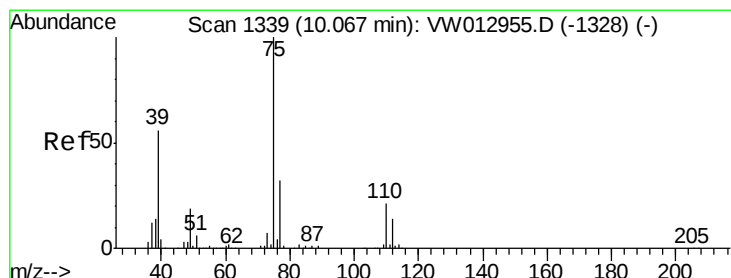
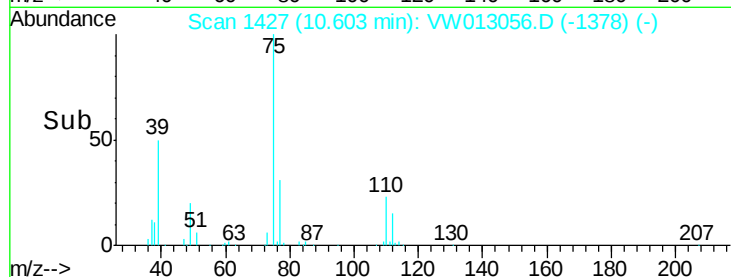
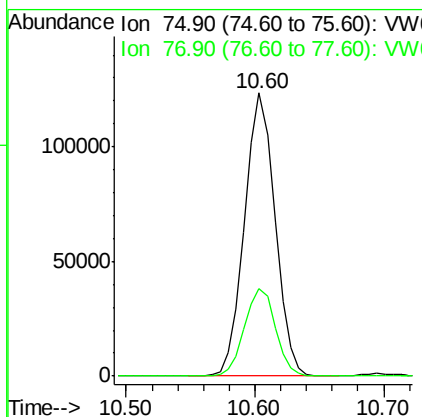
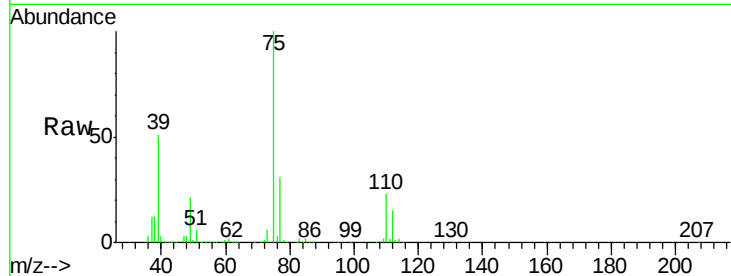
#53
 t-1,3-Dichloropropene
 Concen: 49.744 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 202785
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 37.0

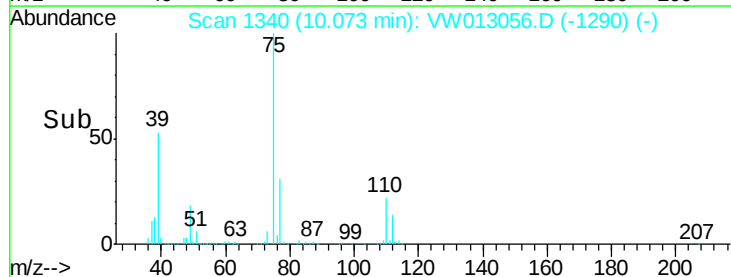
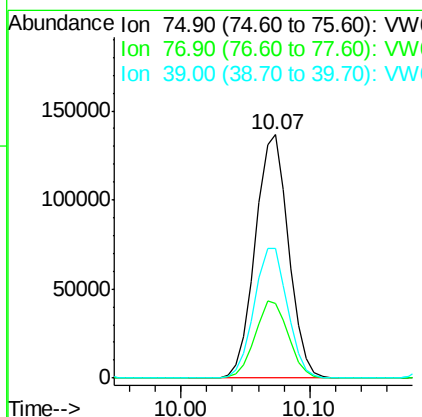
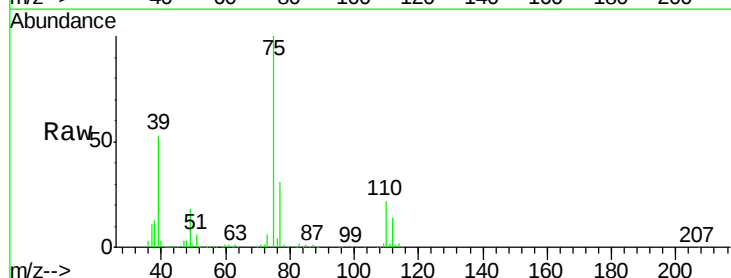
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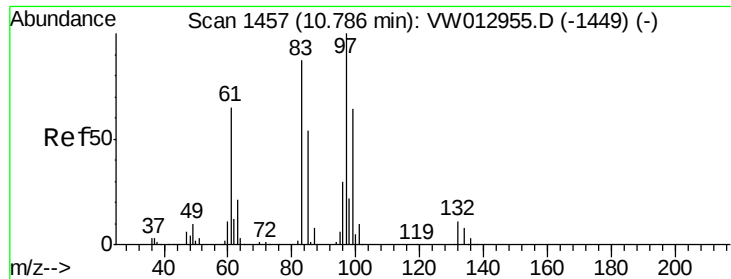
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#54
 cis-1,3-Dichloropropene
 Concen: 52.254 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 75 Resp: 243733
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3
 39 52.9 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 52.094 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

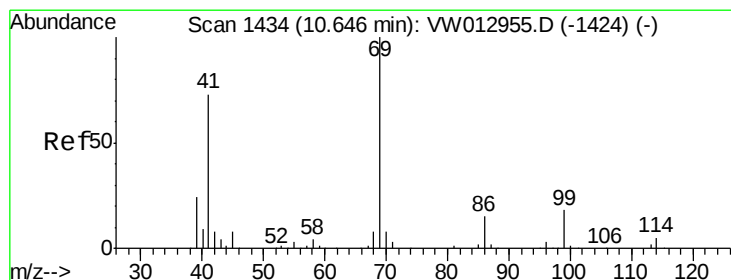
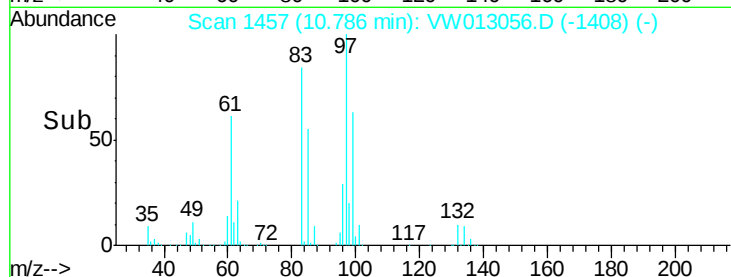
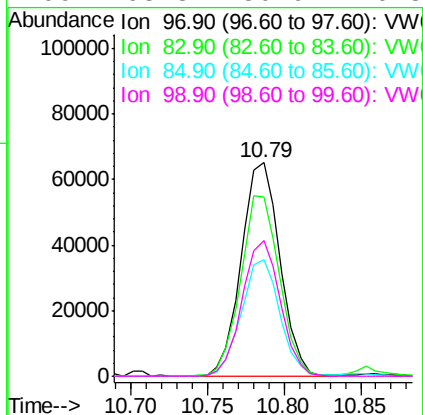
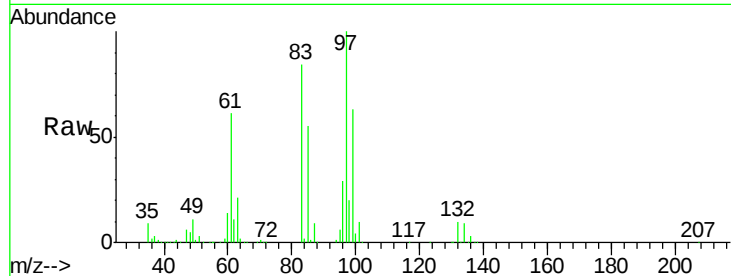
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	114681
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.4	104.0
85	54.6	43.3	64.9
99	63.3	50.9	76.3

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#56

Ethyl methacrylate

Concen: 53.587 ug/l

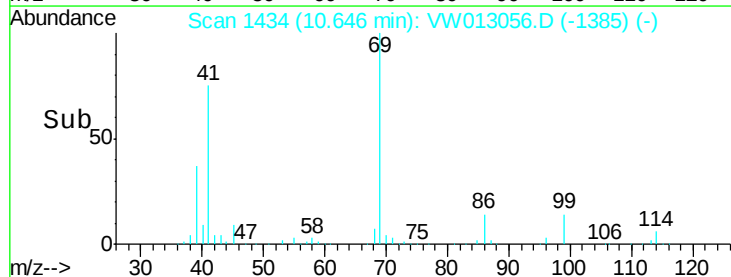
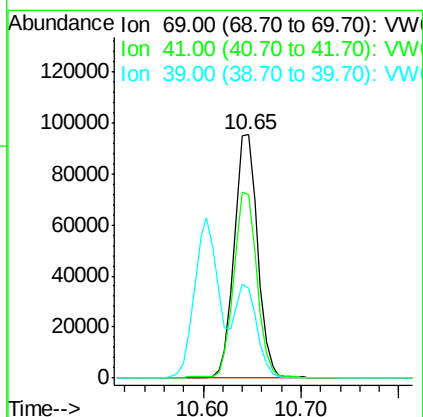
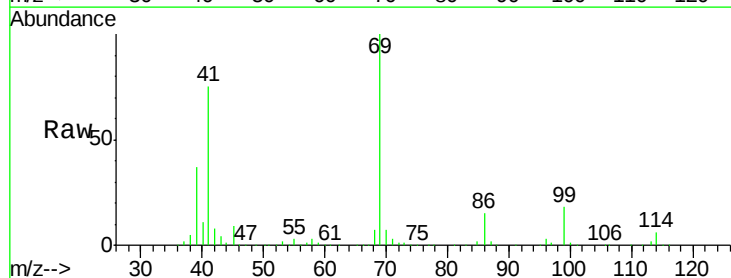
RT: 10.65 min Scan# 1434

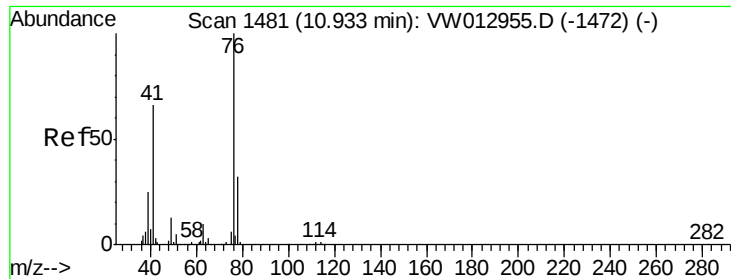
Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion:	69	Resp:	158785
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.8	91.2
39	33.7	29.4	44.0





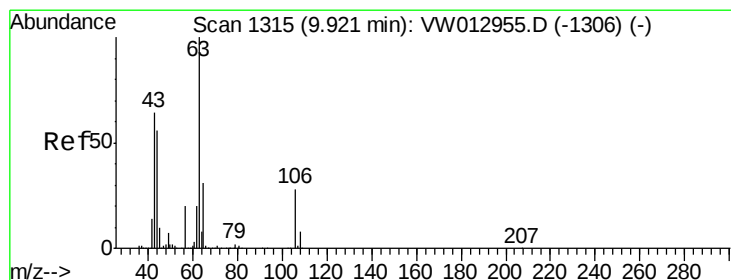
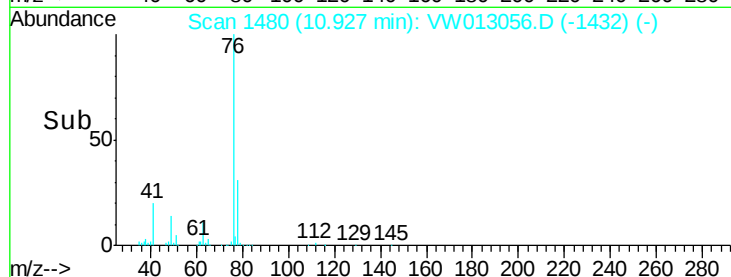
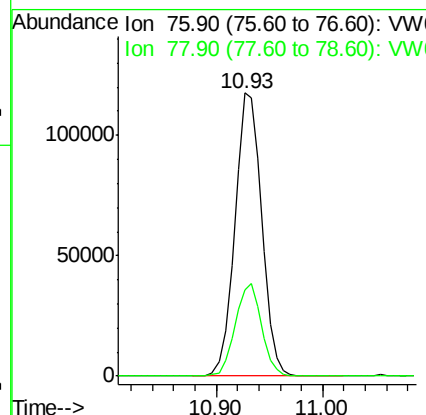
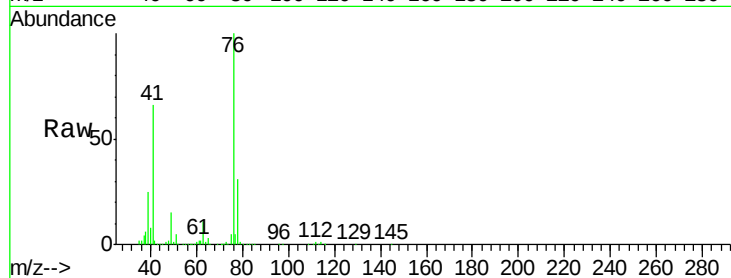
#57
 1,3-Dichloropropane
 Concen: 53.122 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 207446
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

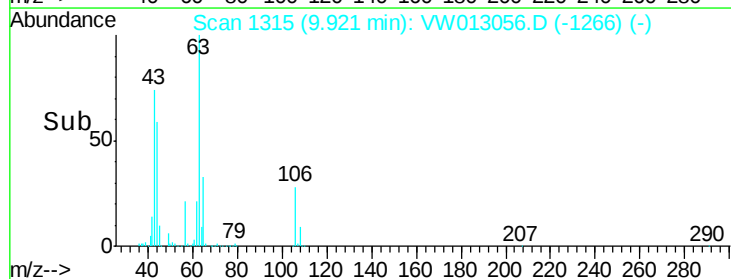
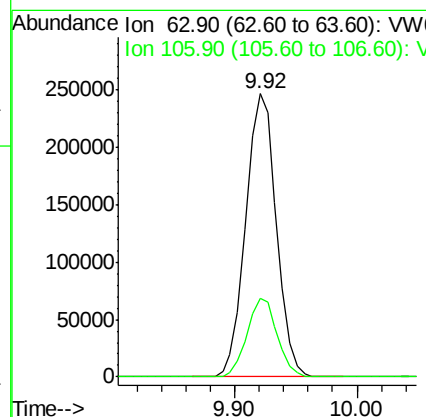
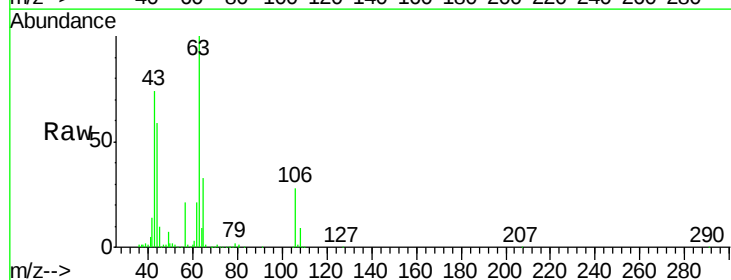
Manual Integrations
 APPROVED

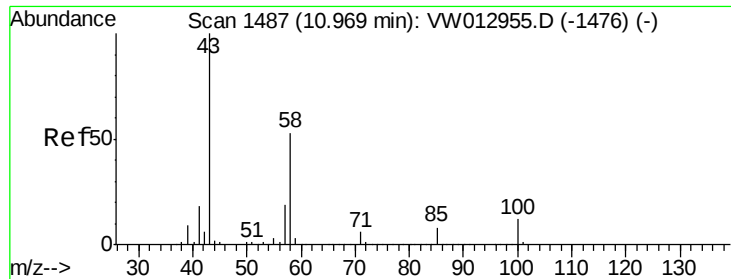
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 269.729 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion: 63 Resp: 428741
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.2





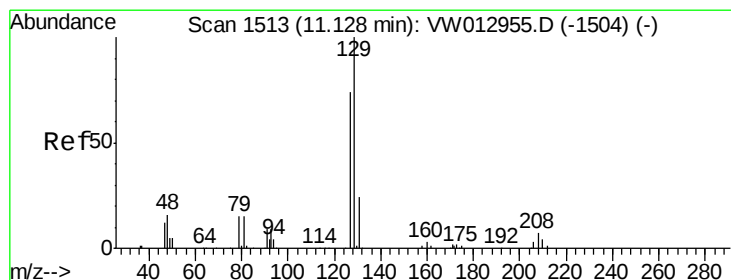
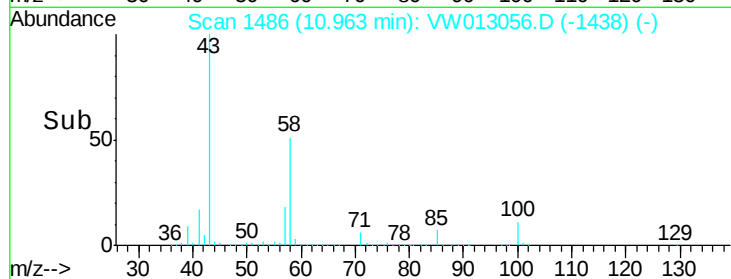
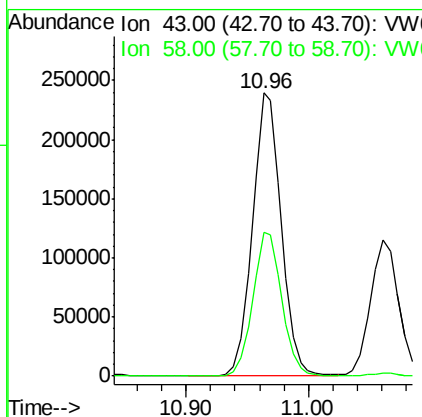
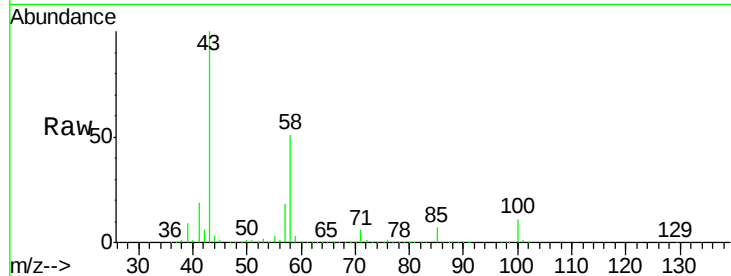
#59
2-Hexanone
Concen: 263.093 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 391975
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

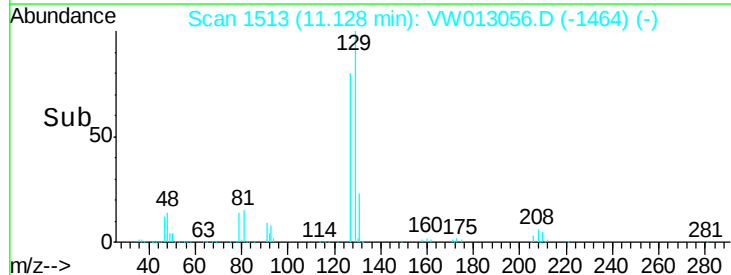
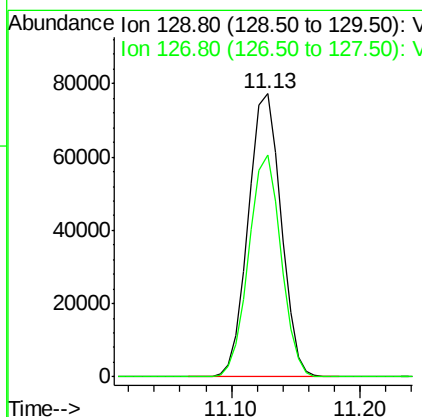
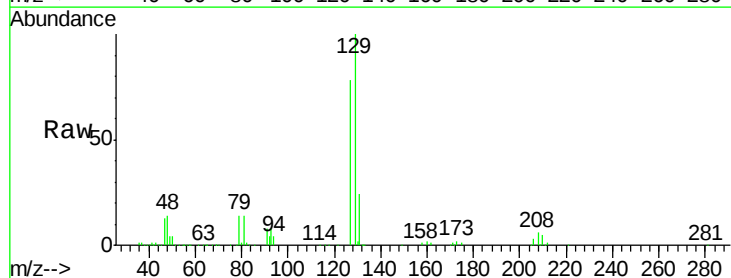
Manual Integrations
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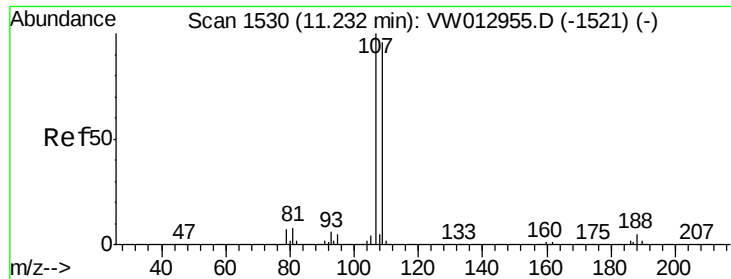
MMDadoda
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#60
Dibromochloromethane
Concen: 51.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion: 129 Resp: 136349
Ion Ratio Lower Upper
129 100
127 77.0 37.4 112.2





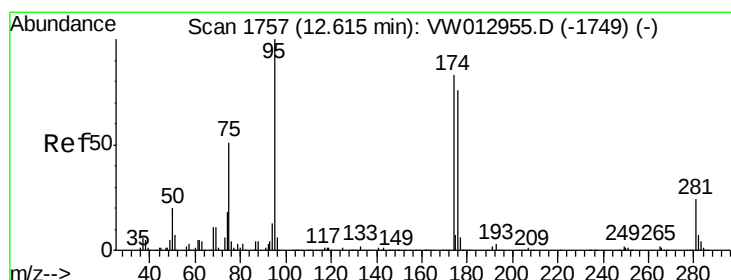
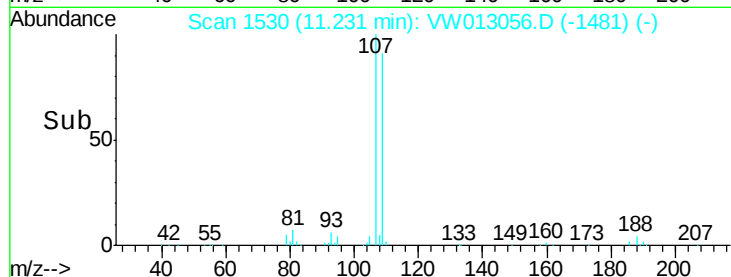
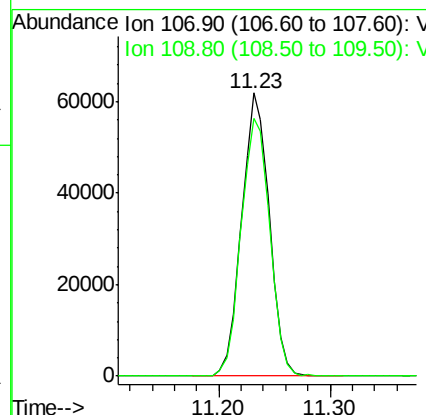
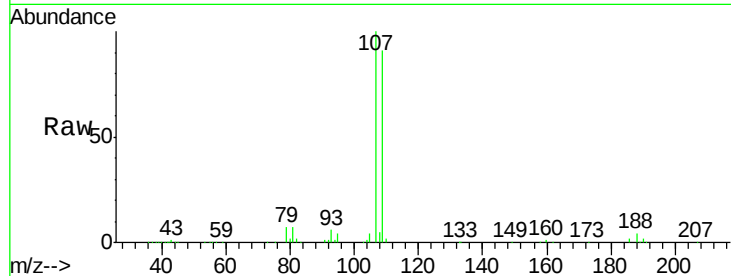
#61
 1,2-Dibromoethane
 Concen: 52.752 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.6

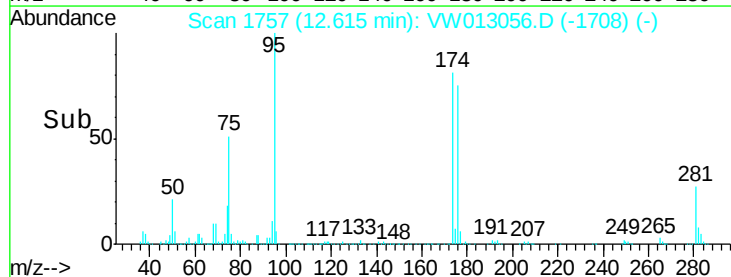
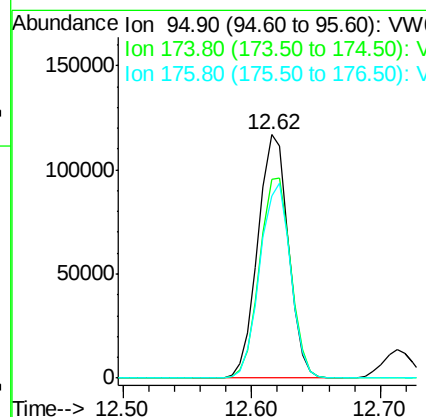
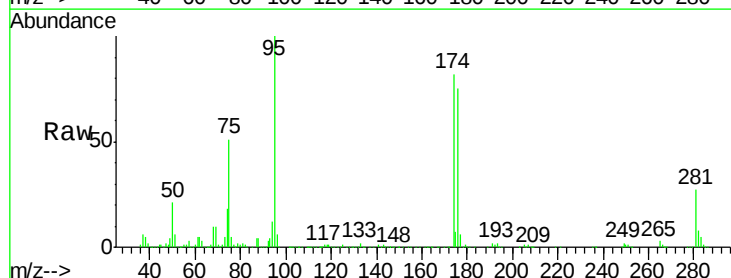
Manual Integrations
 APPROVED

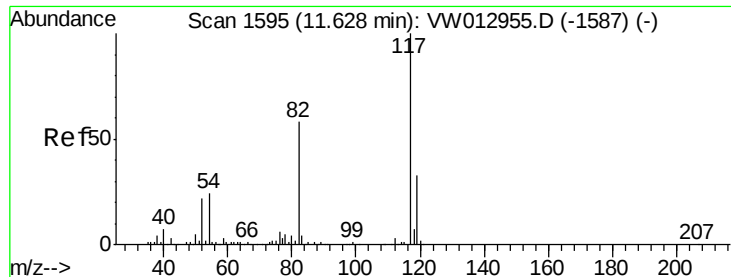
MMDadoda
 9/18/2019 2:01:12 PM



#62
 4-Bromofluorobenzene
 Concen: 49.287 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.4
176	80.3	0.0	164.6





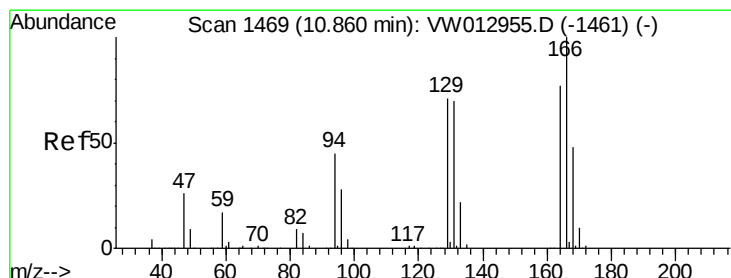
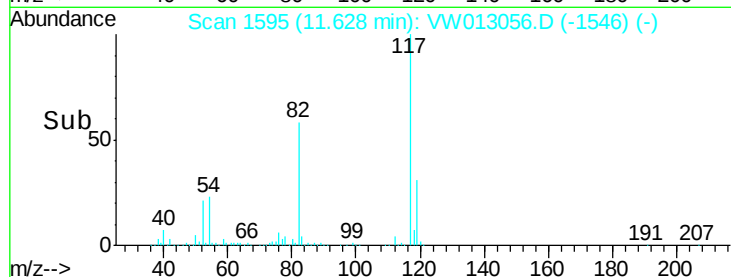
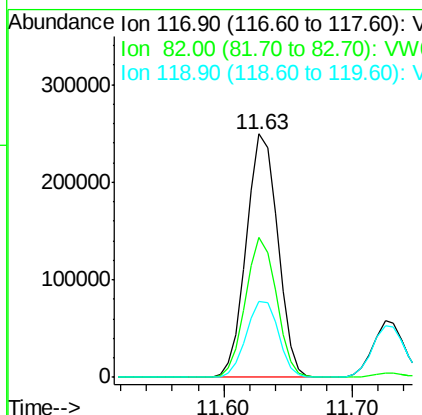
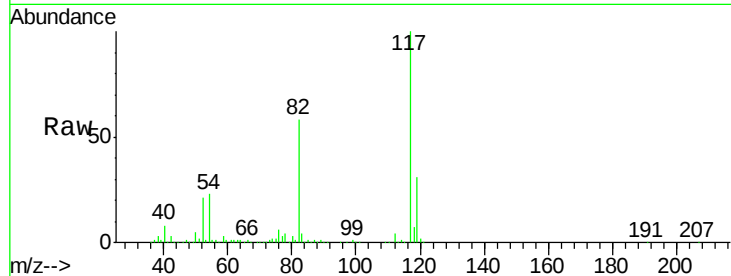
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	421057		
82	57.6	46.3	69.5	
119	31.4	26.2	39.4	

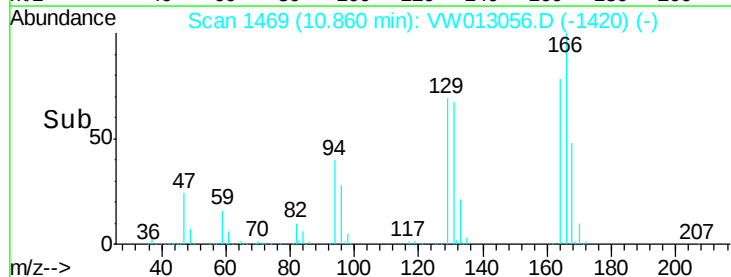
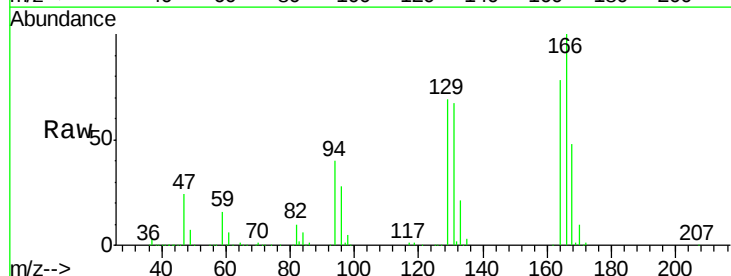
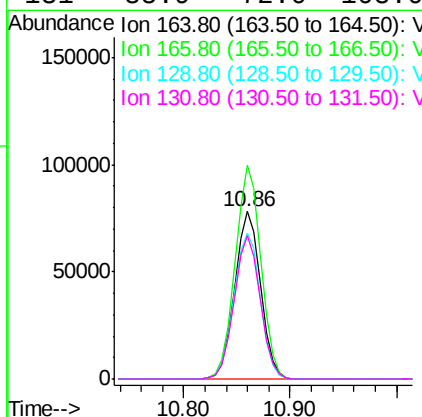
Manual Integrations
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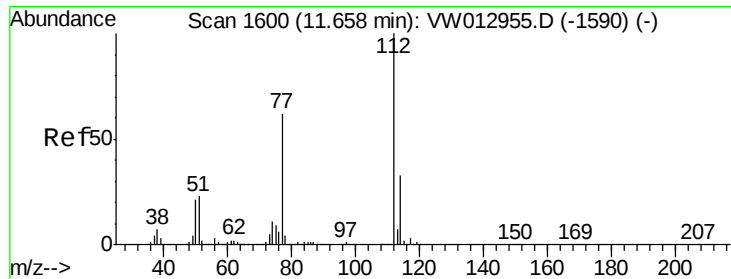
MMDadoda
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#64
Tetrachloroethene
Concen: 53.032 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132839		
166	127.8	103.3	154.9	
129	87.5	73.8	110.8	
131	85.9	72.0	108.0	





#65

Chlorobenzene

Concen: 51.148 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 383607

Ion Ratio Lower Upper

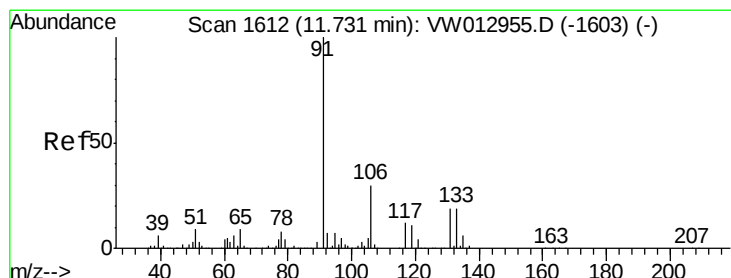
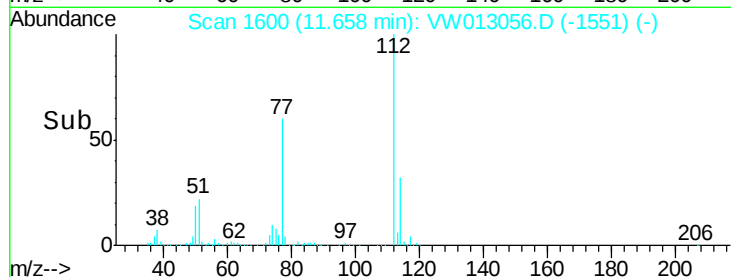
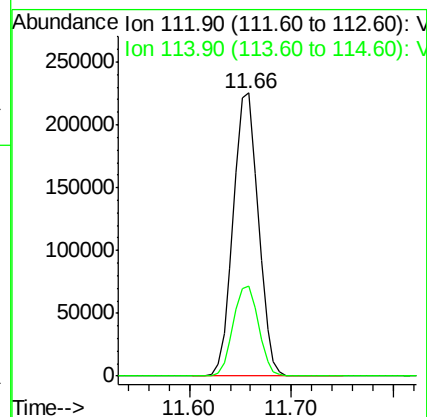
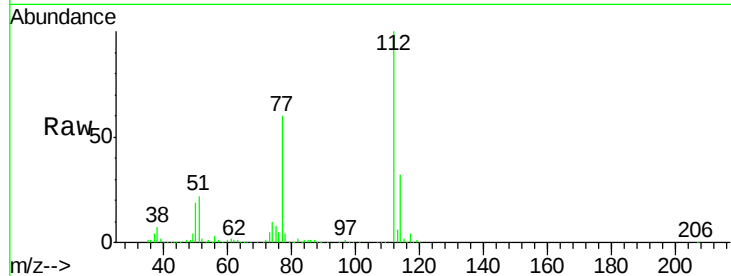
112 100

114 31.9 26.4 39.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 51.017 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

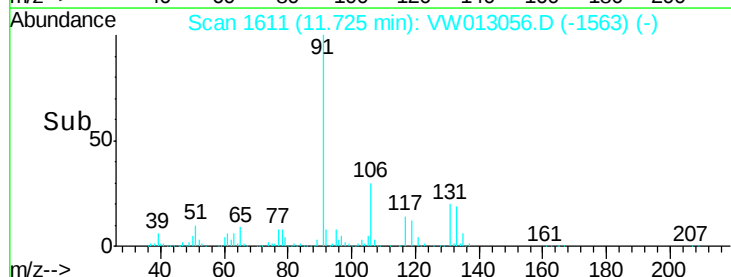
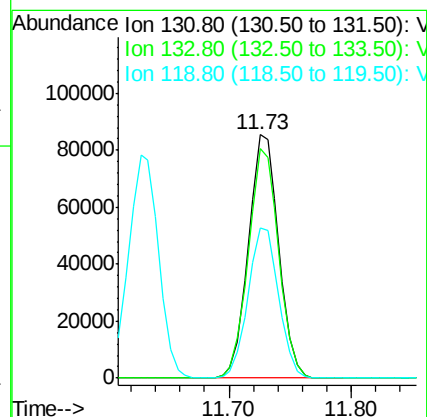
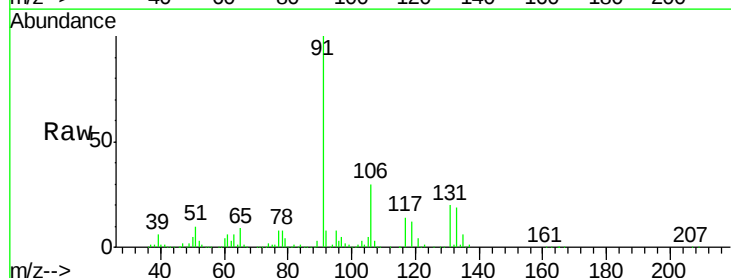
Tgt Ion:131 Resp: 146629

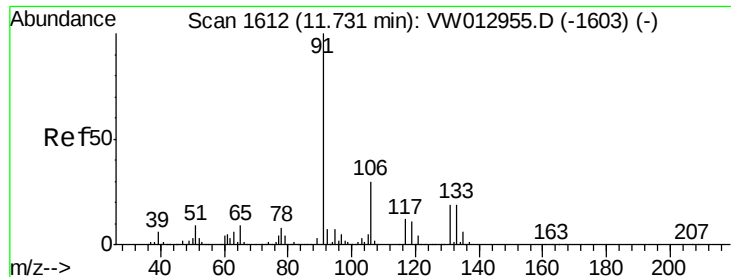
Ion Ratio Lower Upper

131 100

133 94.5 47.9 143.8

119 62.5 30.9 92.7





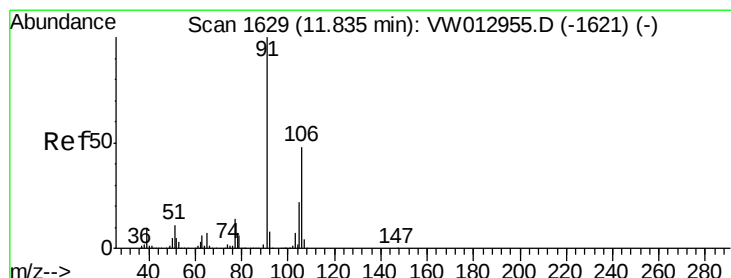
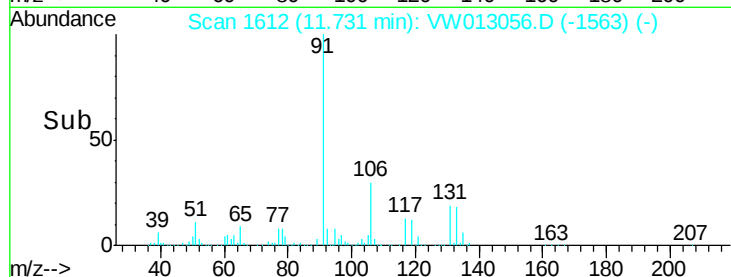
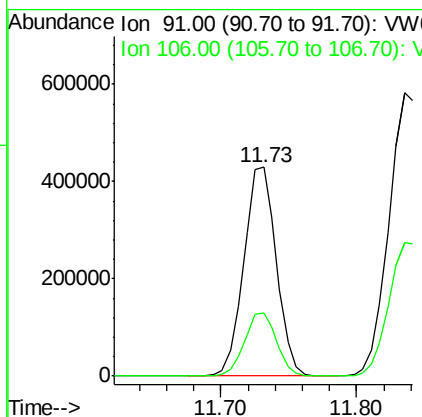
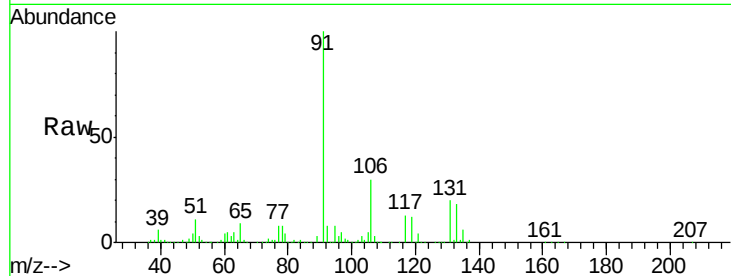
#67
Ethyl Benzene
Concen: 51.850 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

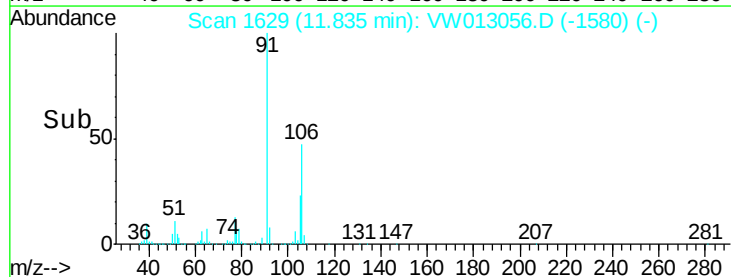
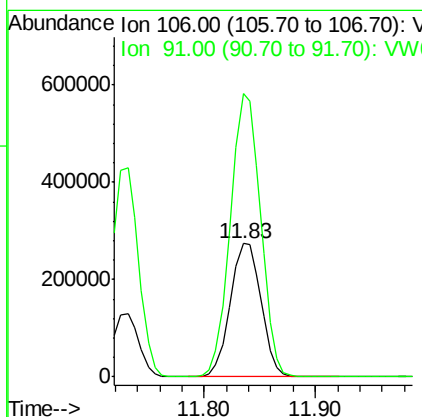
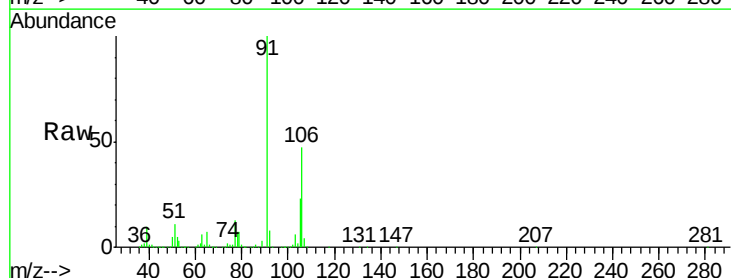
Manual Integrations
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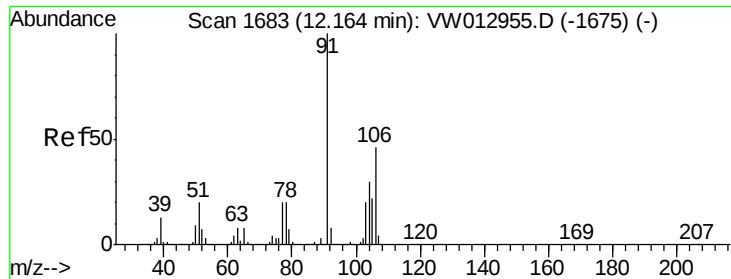
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#68
m/p-Xylenes
Concen: 103.947 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.9	165.8	248.8





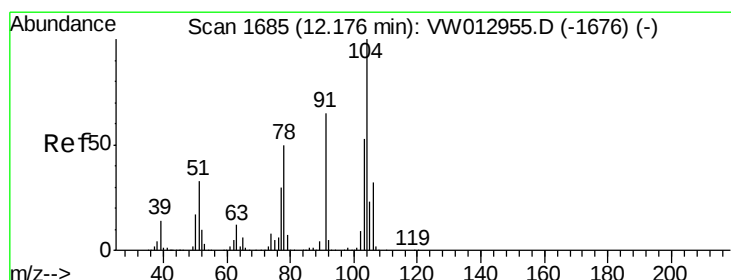
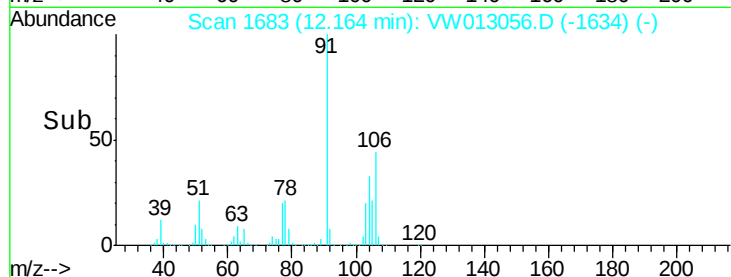
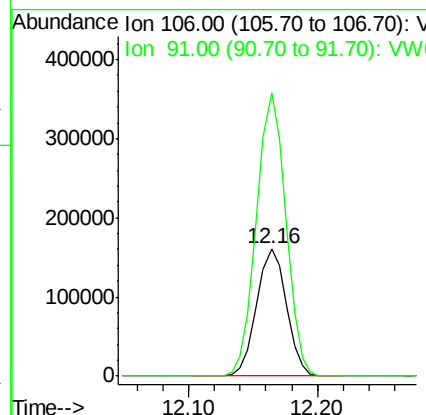
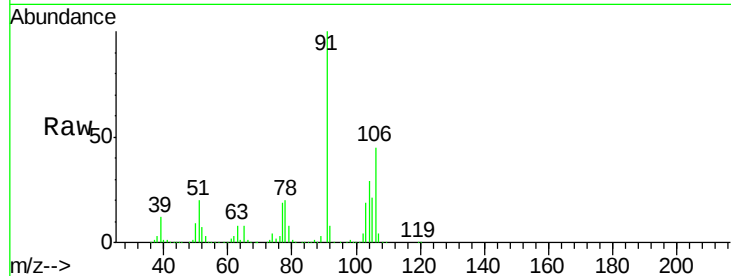
#69
o-Xylene
Concen: 54.334 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		257760		
91	219.1	109.7	329.0		

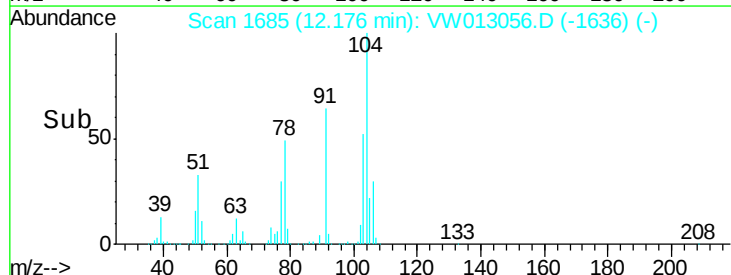
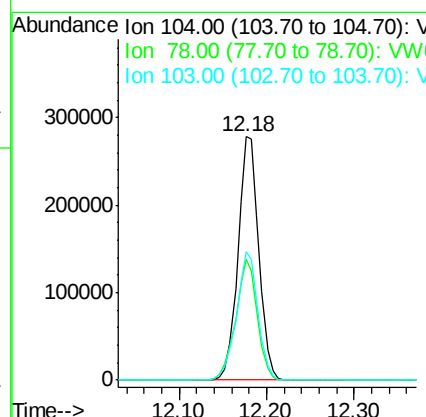
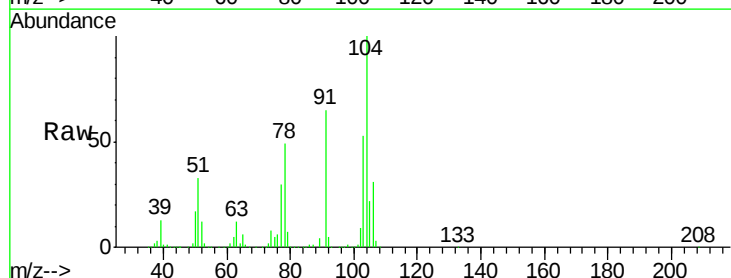
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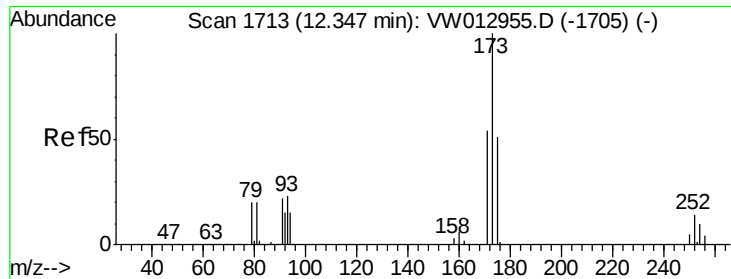
MMDadoda
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#70
Styrene
Concen: 54.630 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		461028		
78	51.3	42.1	63.1		
103	54.3	44.2	66.4		





#71

Bromoform

Concen: 54.276 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 81940

Ion Ratio Lower Upper

173 100

175 47.9 24.2 72.6

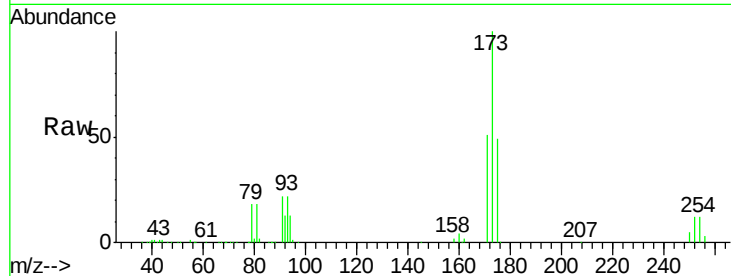
254 0.1 0.1 0.1#

Manual Integrations

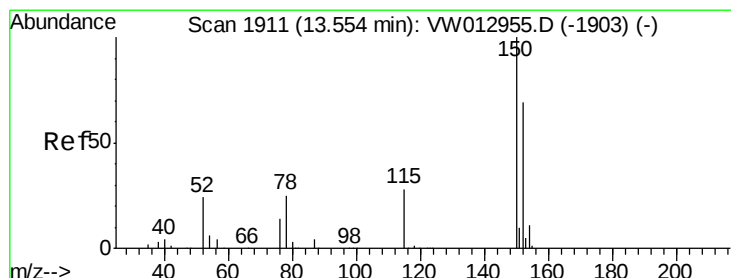
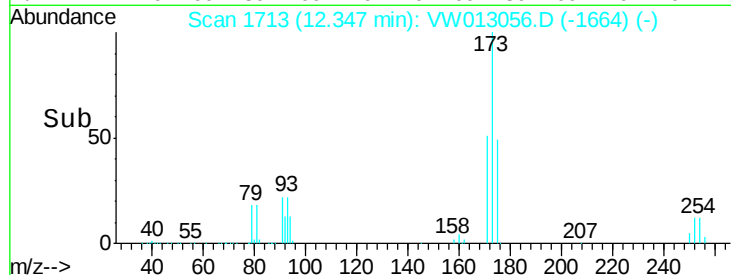
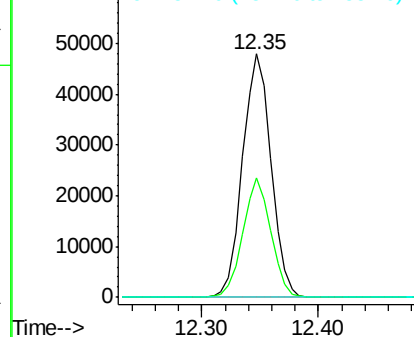
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

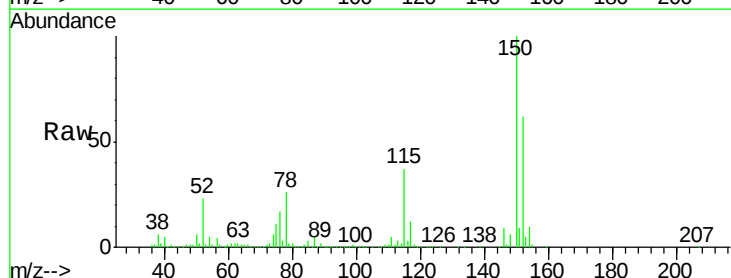
Tgt Ion:152 Resp: 211222

Ion Ratio Lower Upper

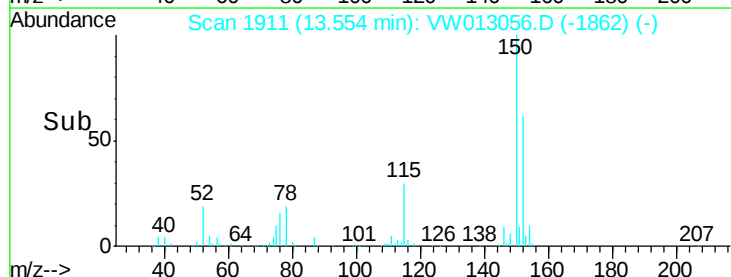
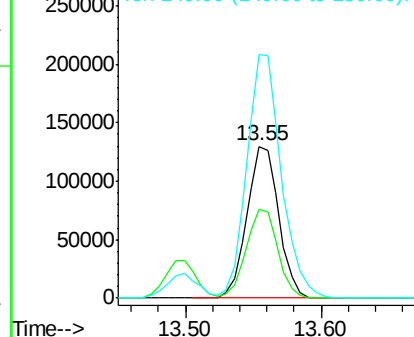
152 100

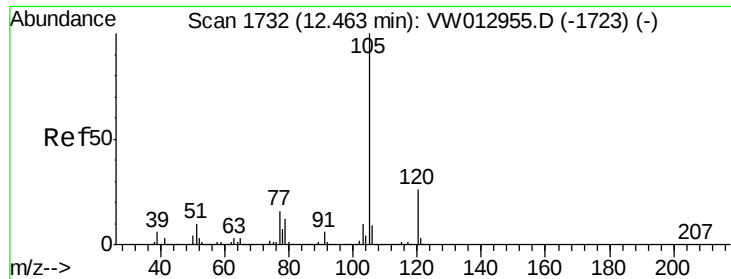
115 58.3 28.8 86.4

150 174.4 0.0 340.2



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: 53.005 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 742095

Ion Ratio Lower Upper

105 100

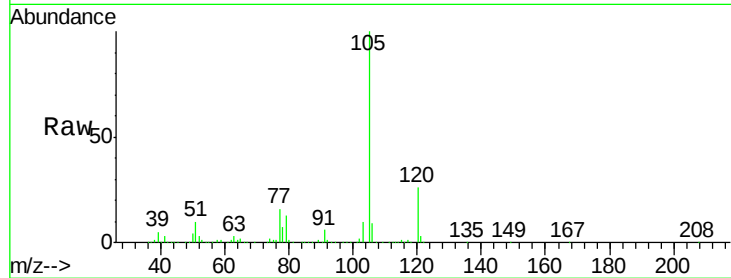
120 25.8 13.0 39.0

Manual Integrations

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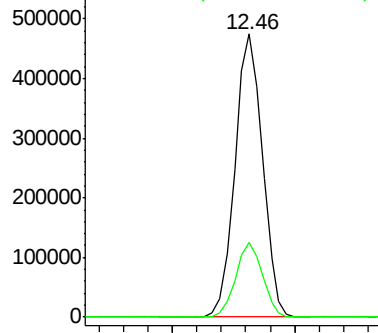
MMDadoda

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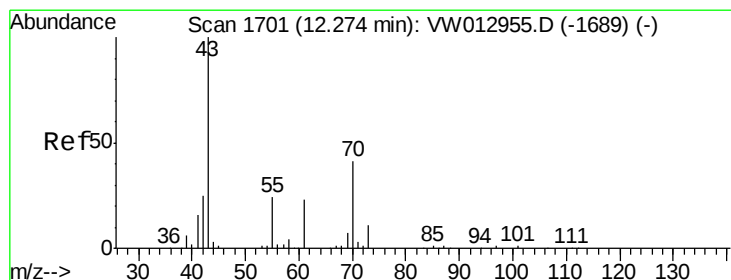
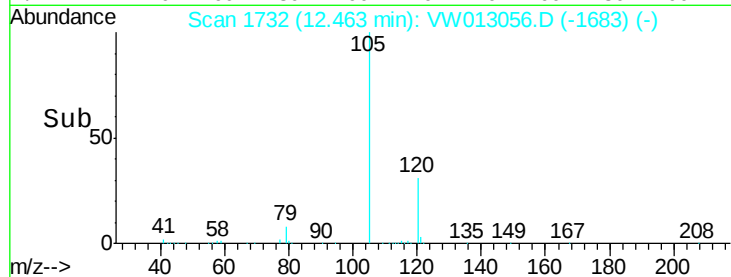


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 56.641 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion: 43 Resp: 203989

Ion Ratio Lower Upper

43 100

70 38.7 31.7 47.5

55 22.6 19.4 29.2

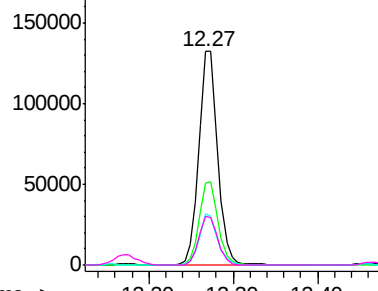
61 22.9 18.7 28.1

Abundance Ion 43.00 (42.70 to 43.70): VW

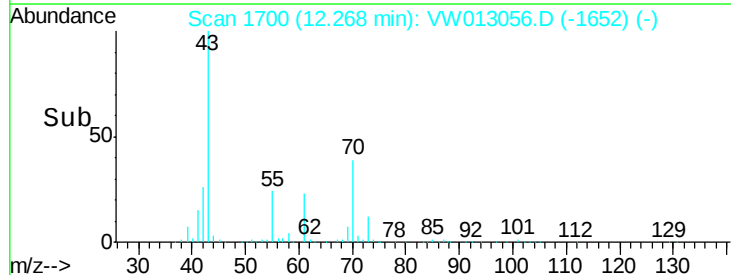
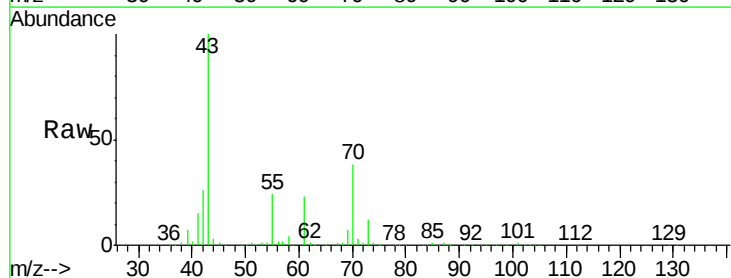
Ion 70.00 (69.70 to 70.70): VW

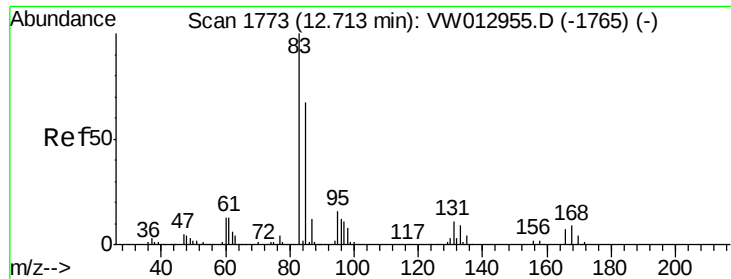
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.305 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

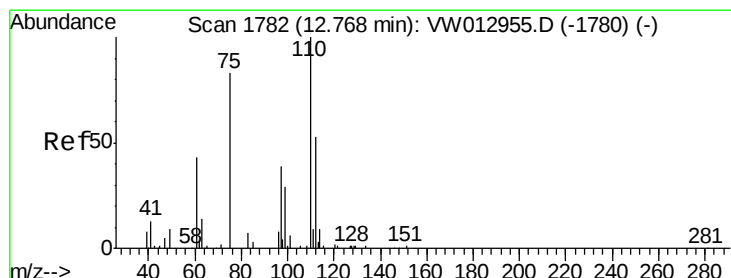
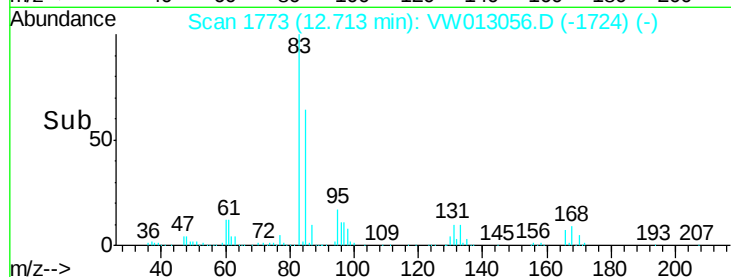
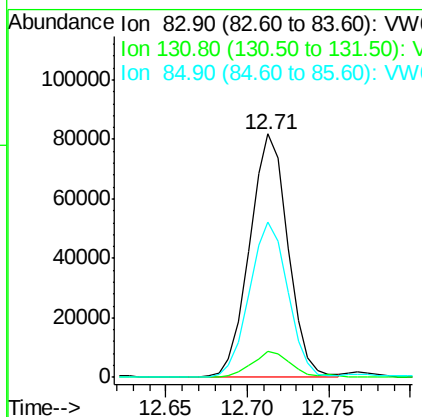
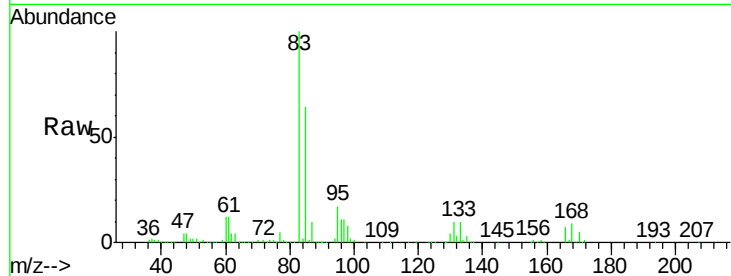
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	133535
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	64.2	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.966 ug/l m

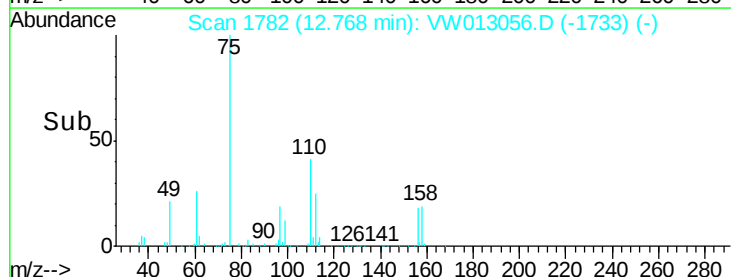
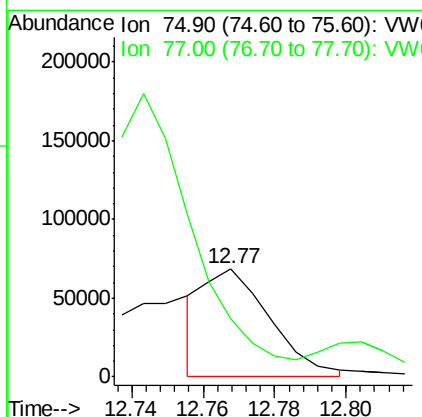
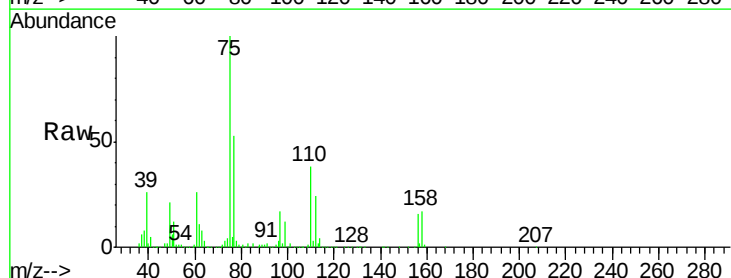
RT: 12.77 min Scan# 1782

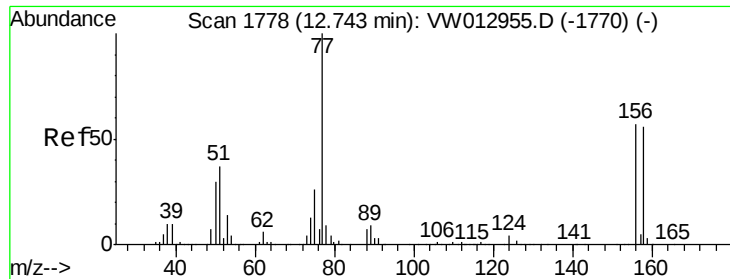
Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Tgt Ion:	75	Resp:	88743
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.609 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

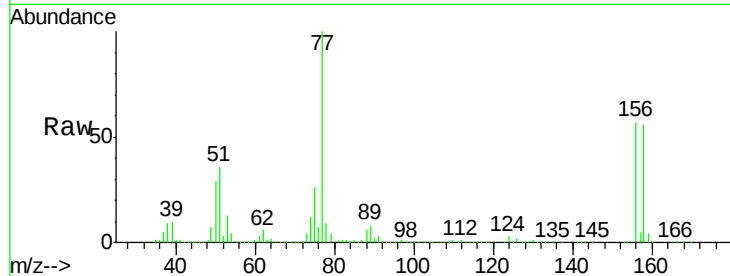
ClientSampleId :

VSTDCCC050

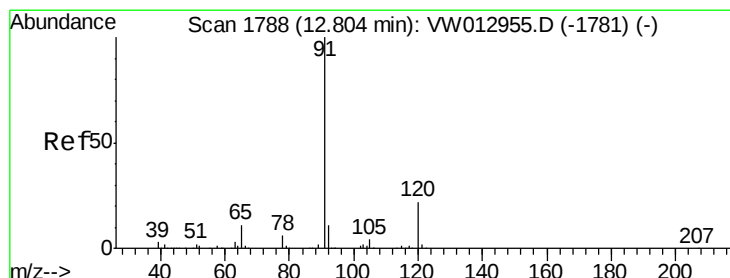
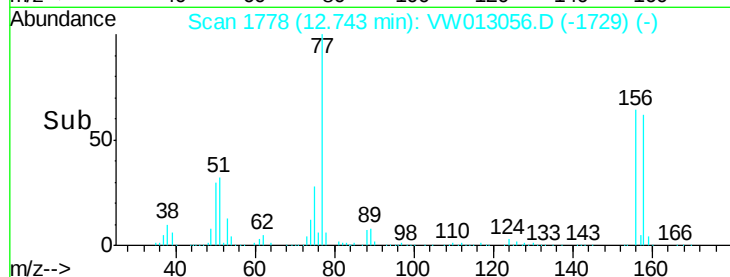
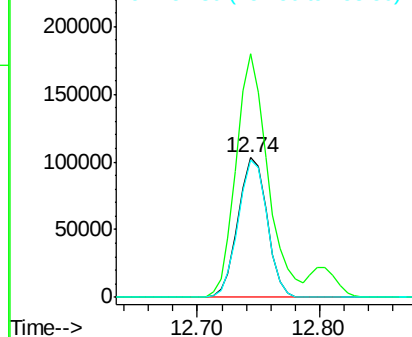
Tot Ion:	156	Resp:	169681
Ion Ratio	Lower	Upper	
156	100		
77	191.0	95.2	285.6
158	98.2	49.0	147.2

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



#78

n-propylbenzene

Concen: 52.578 ug/l

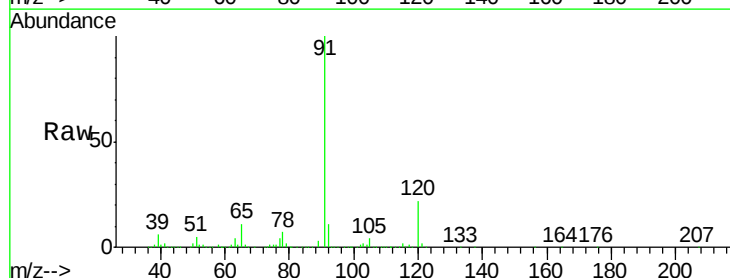
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

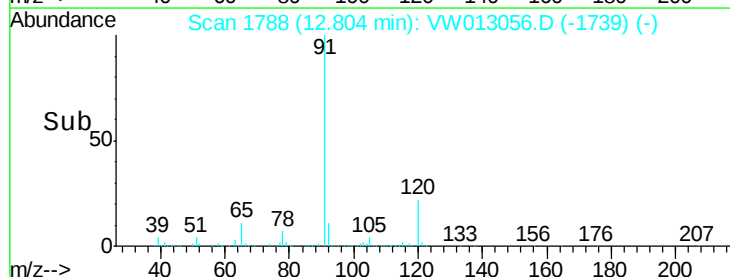
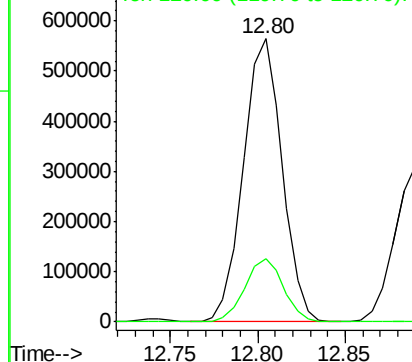
Lab File: VW013056.D

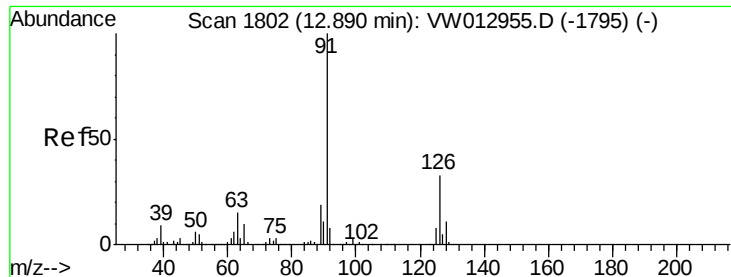
Acq: 16 Sep 2019 22:26

Tgt Ion:	91	Resp:	865894
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5



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





#79

2-Chlorotoluene

Concen: 52.516 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 497180

Ion Ratio Lower Upper

91 100

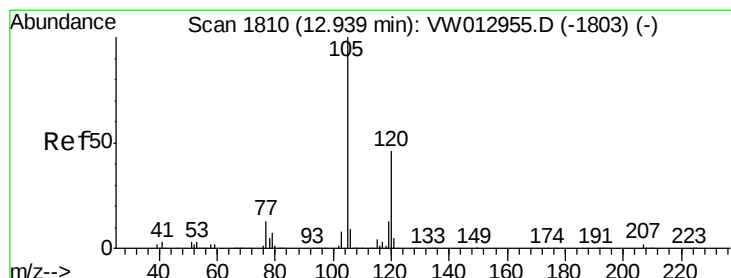
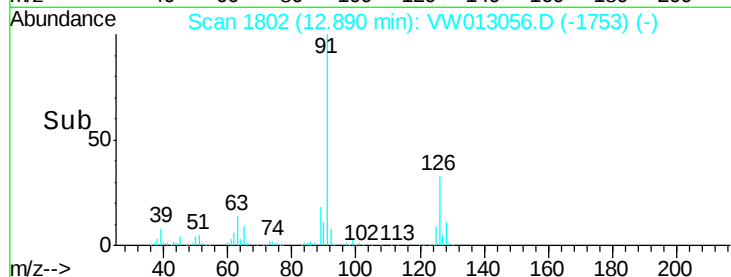
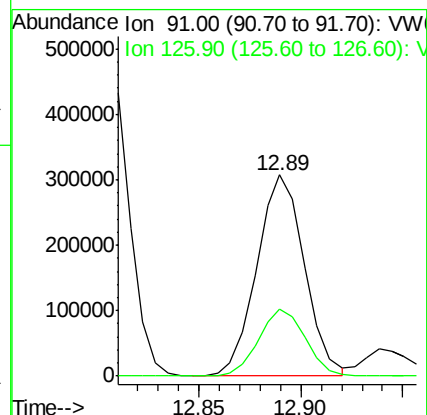
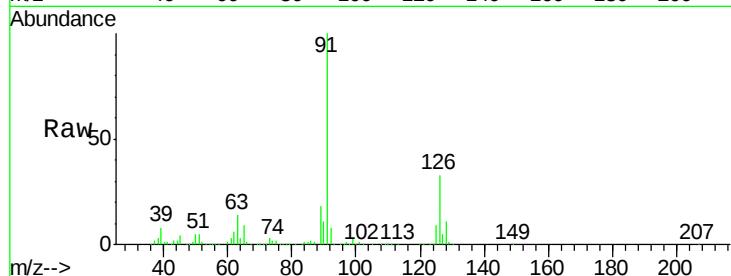
126 32.8 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.986 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013056.D

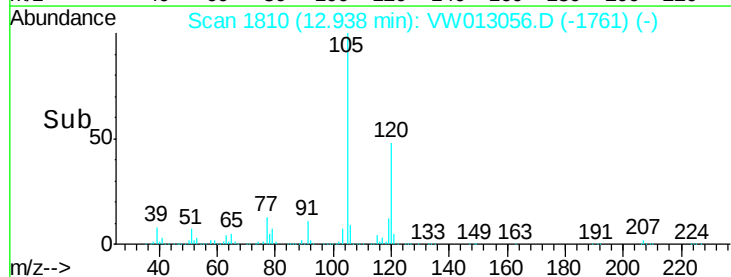
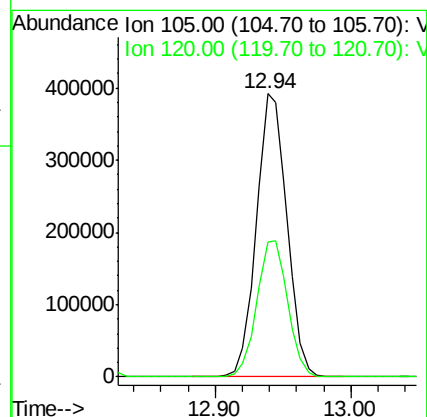
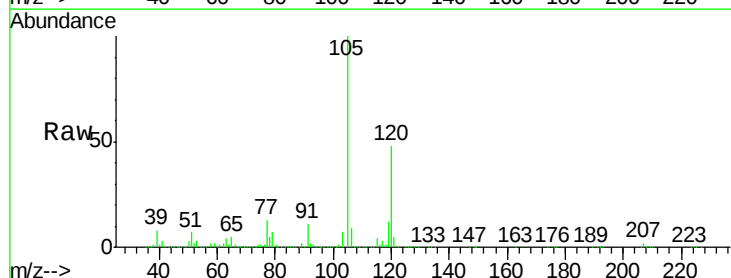
Acq: 16 Sep 2019 22:26

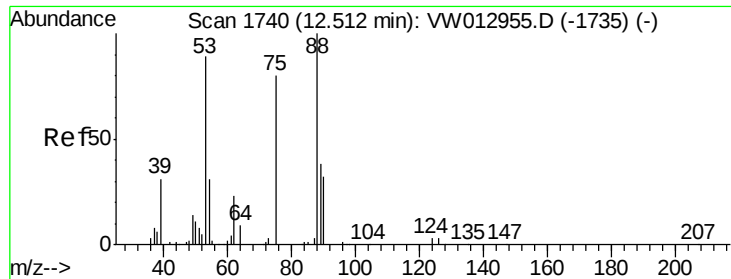
Tgt Ion: 105 Resp: 615740

Ion Ratio Lower Upper

105 100

120 48.6 24.2 72.6





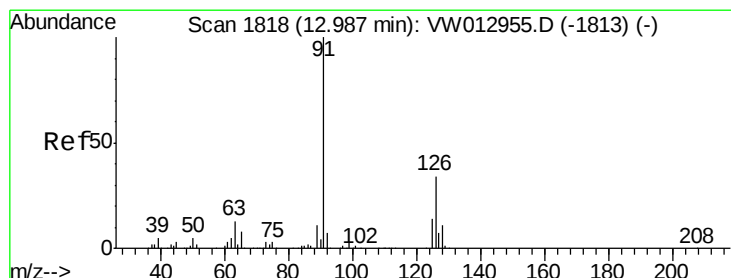
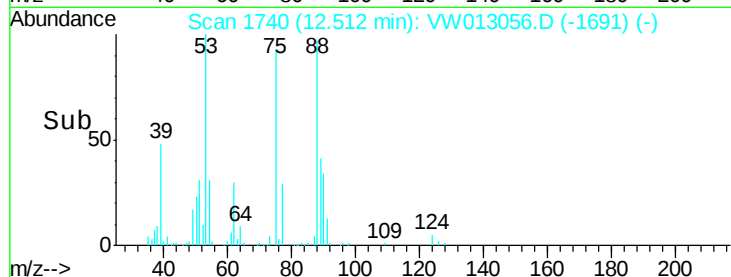
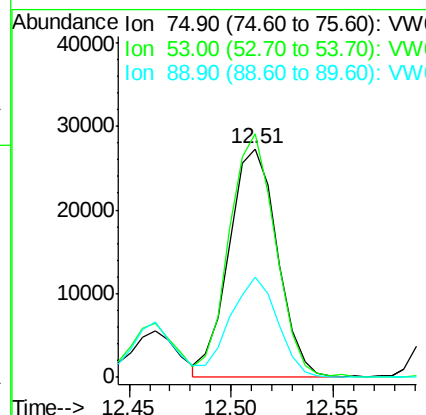
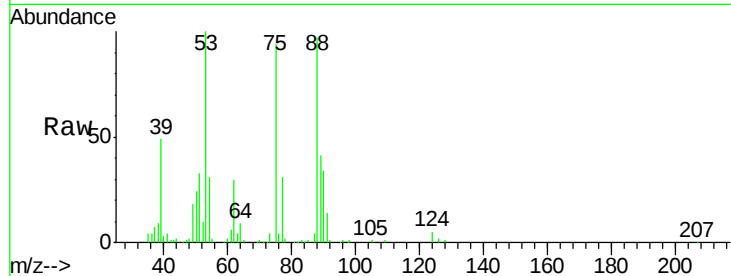
#81
trans-1,4-Dichloro-2-butene
Concen: 54.865 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.2	85.6	128.4
89	44.0	37.2	55.8

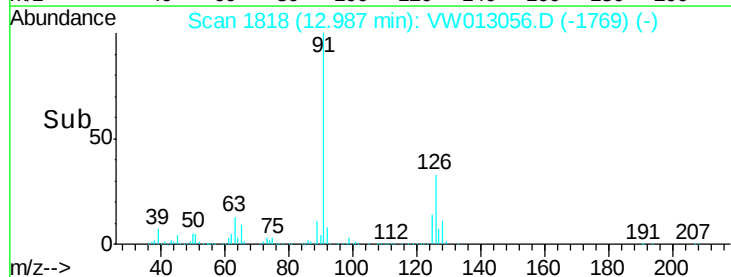
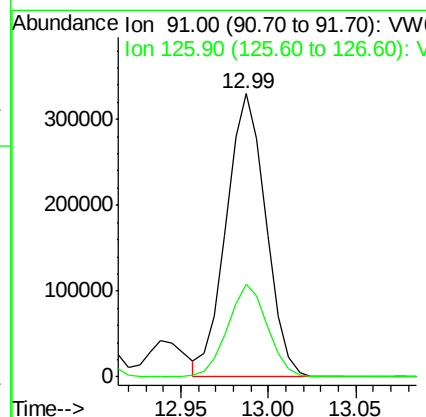
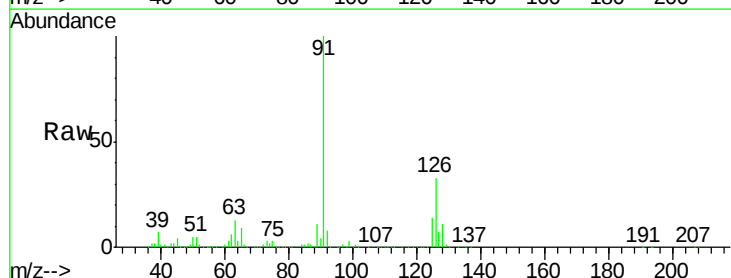
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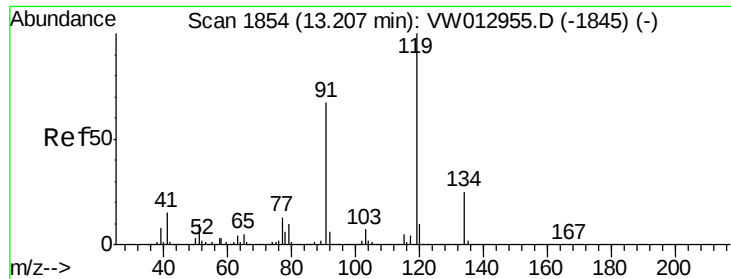
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#82
4-Chlorotoluene
Concen: 51.716 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3





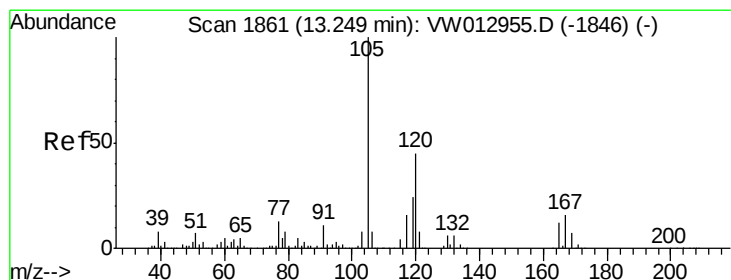
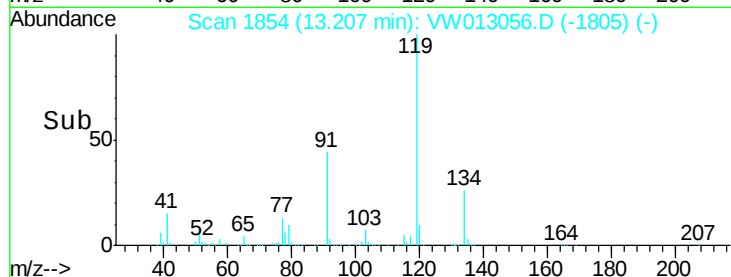
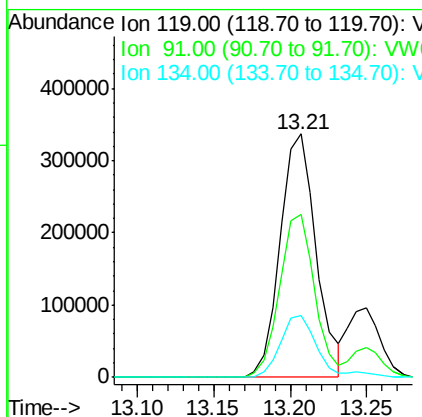
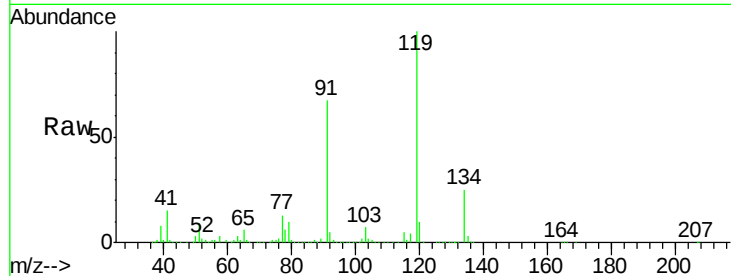
#83
tert-Butylbenzene
Concen: 52.036 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	551290		
91	65.0		32.6	98.0
134	25.2		12.4	37.4

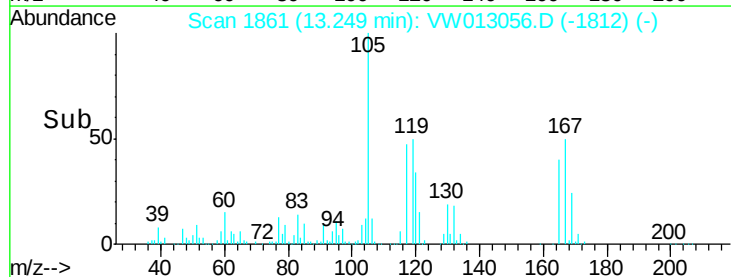
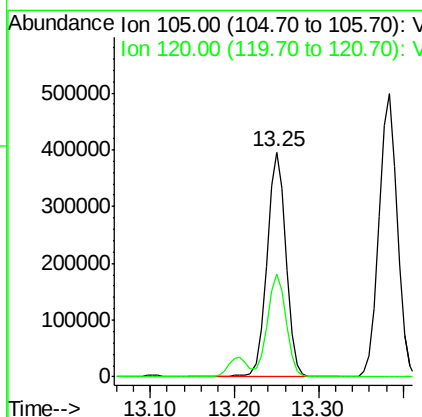
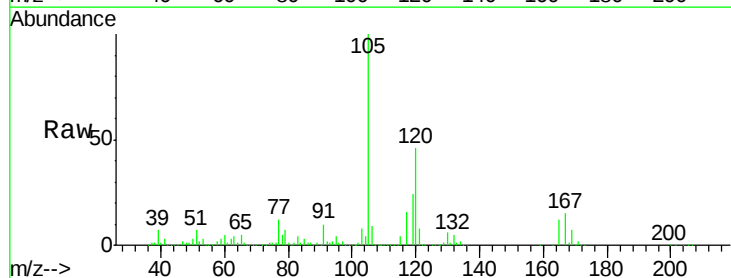
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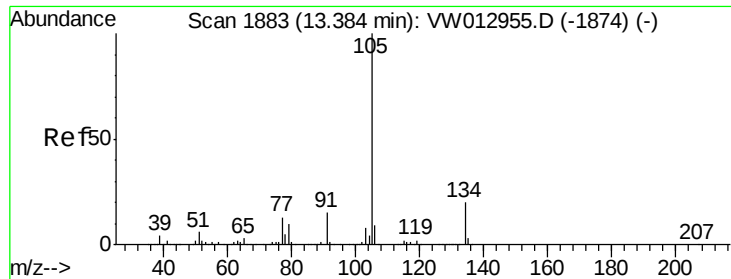
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#84
1,2,4-Trimethylbenzene
Concen: 52.362 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	612855		
120	44.8		21.9	65.7





#85

sec-Butylbenzene

Concen: 52.085 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 751804

Ion Ratio Lower Upper

105 100

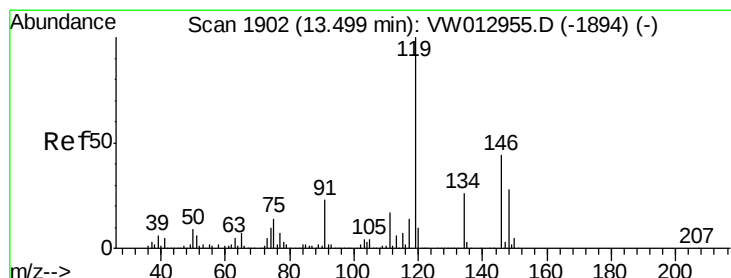
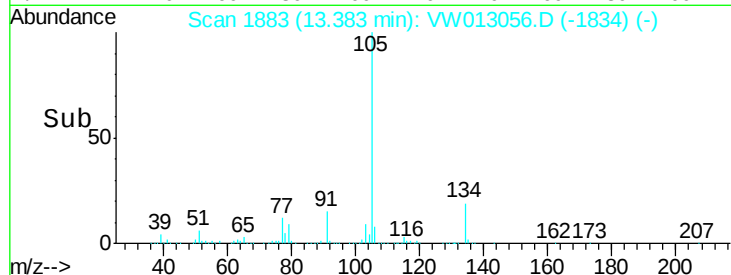
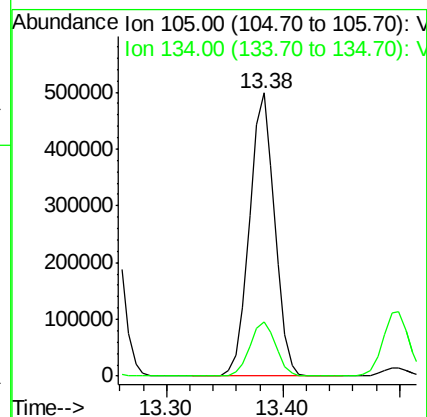
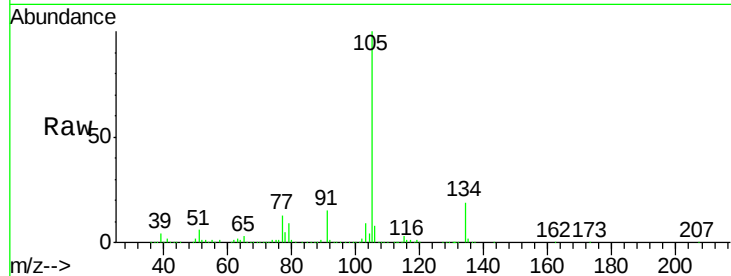
134 20.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 52.580 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013056.D

Acq: 16 Sep 2019 22:26

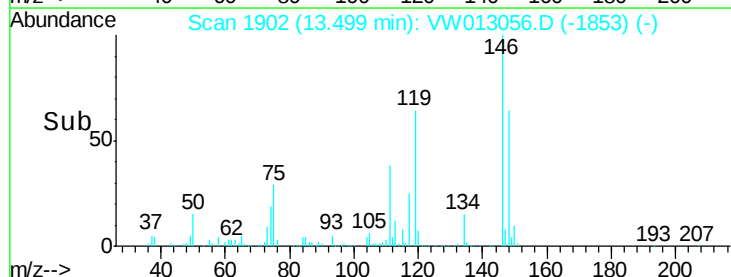
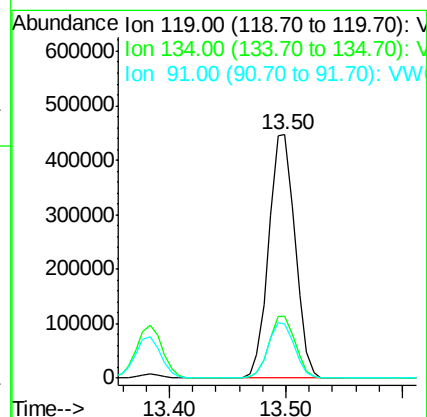
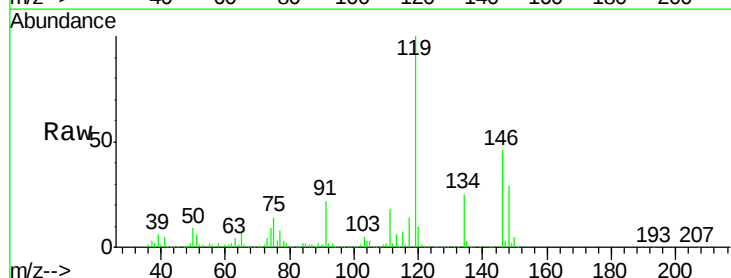
Tgt Ion:119 Resp: 696799

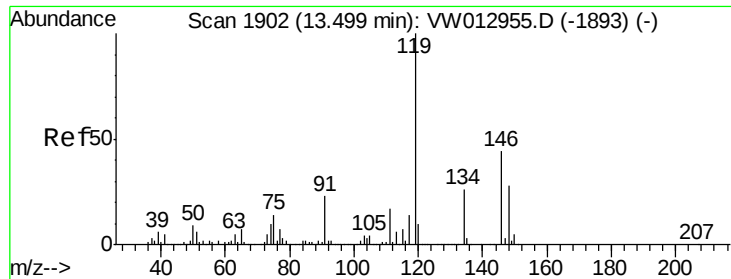
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 22.7 11.8 35.4





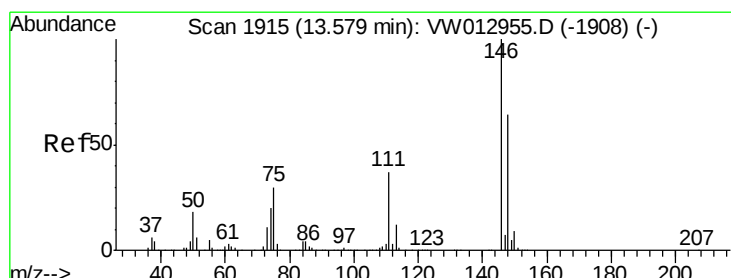
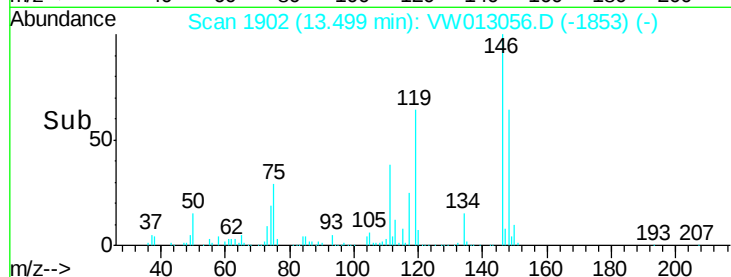
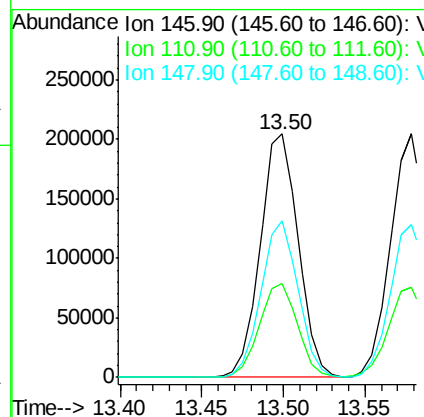
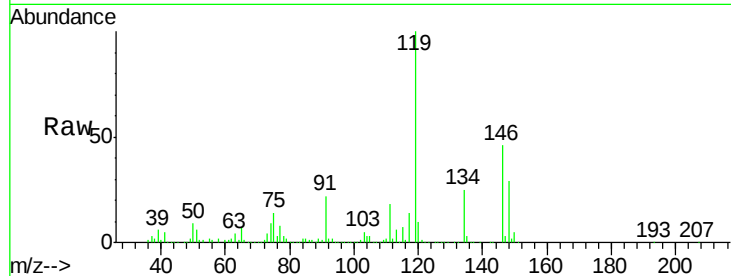
#87
 1,3-Dichlorobenzene
 Concen: 51.867 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	331160		
111	38.9	19.8	59.4	
148	62.8	31.9	95.7	

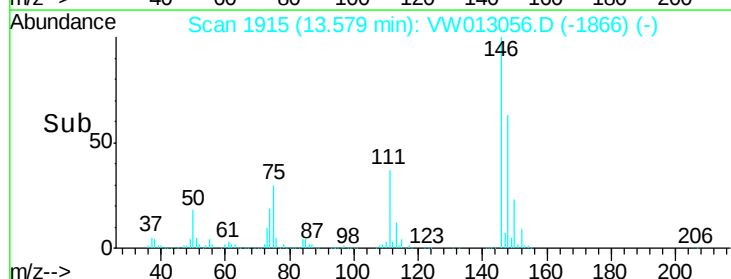
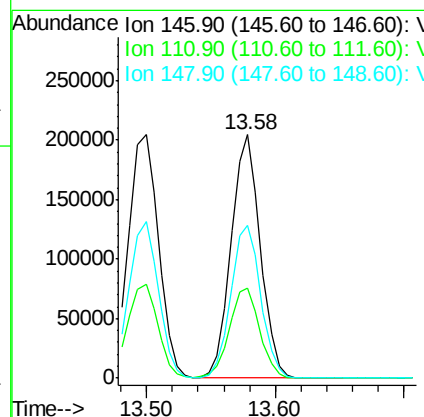
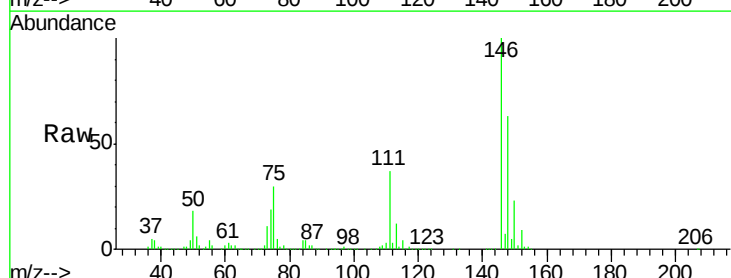
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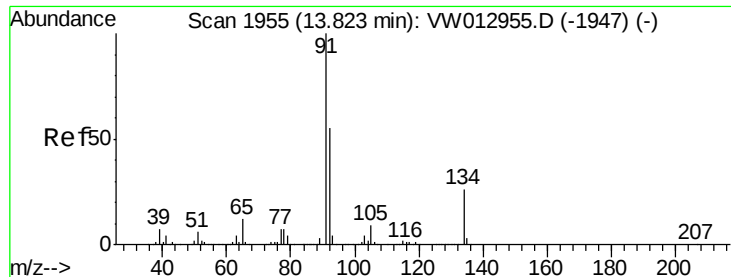
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#88
 1,4-Dichlorobenzene
 Concen: 51.721 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	324519		
111	38.3	19.4	58.2	
148	64.4	31.9	95.5	





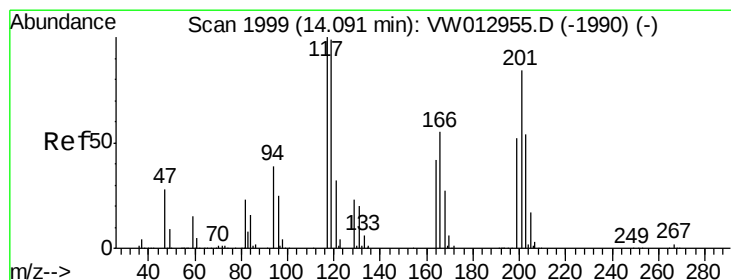
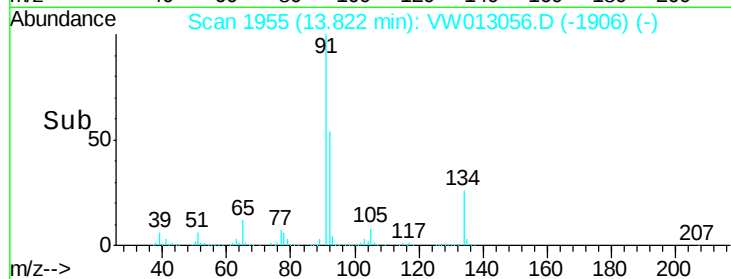
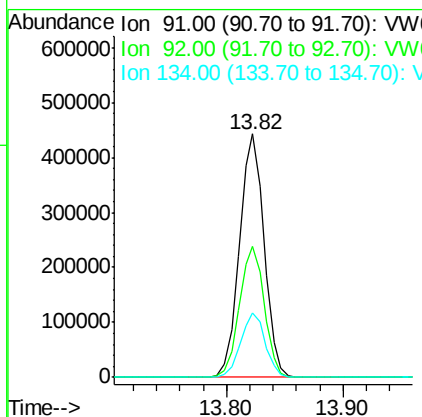
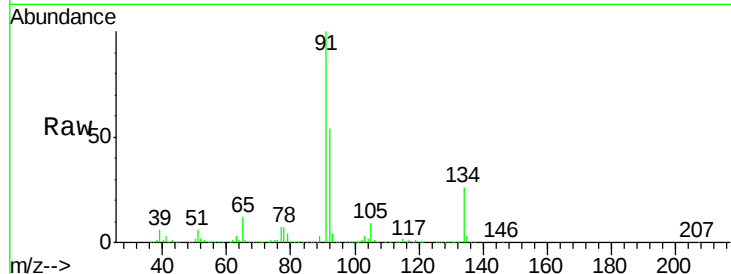
#89
n-Butylbenzene
Concen: 52.060 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	650637		
92	54.5		27.2	81.5
134	26.4		13.1	39.1

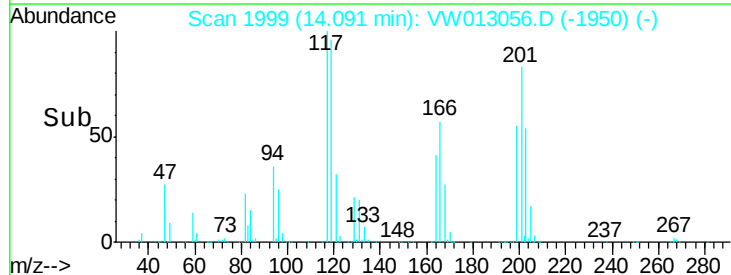
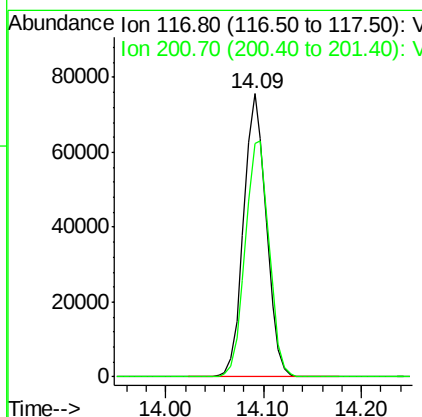
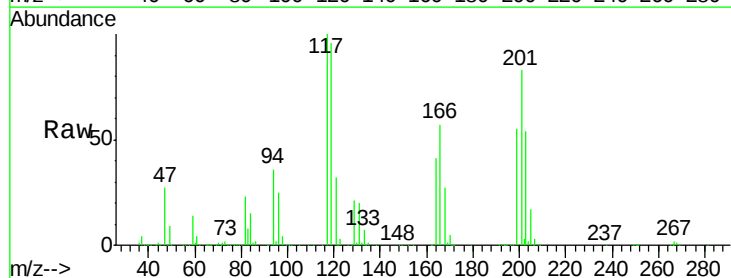
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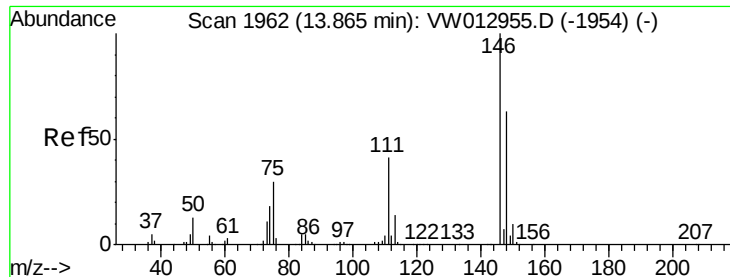
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#90
Hexachloroethane
Concen: 51.199 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	121589		
201	88.0		45.3	135.9





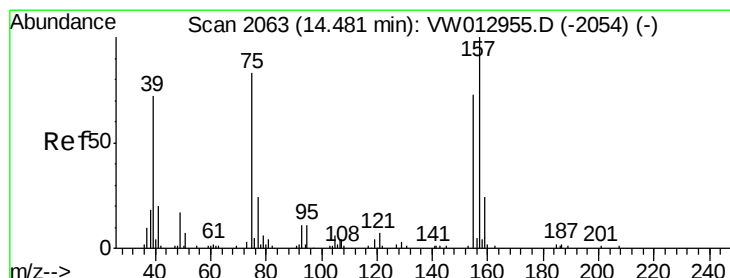
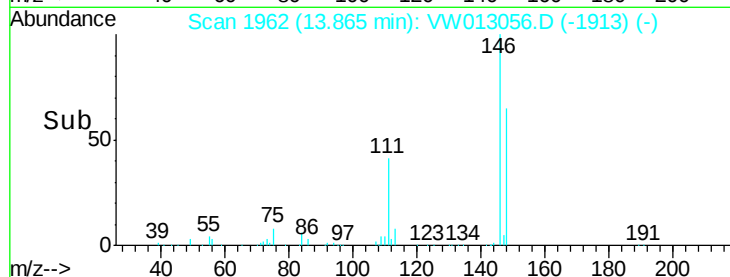
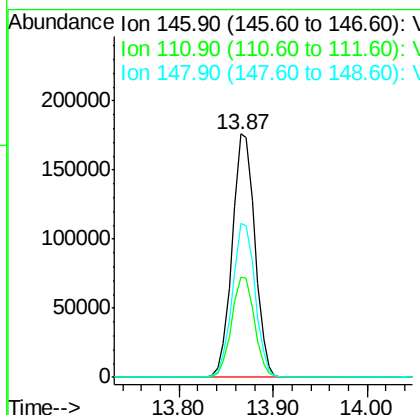
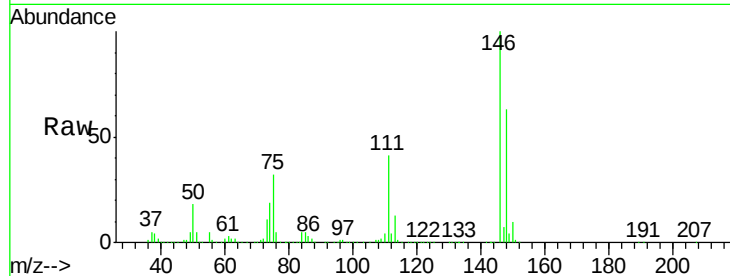
#91
 1,2-Dichlorobenzene
 Concen: 52.371 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	294053		
111	41.6	20.8	62.5	
148	63.5	32.7	98.1	

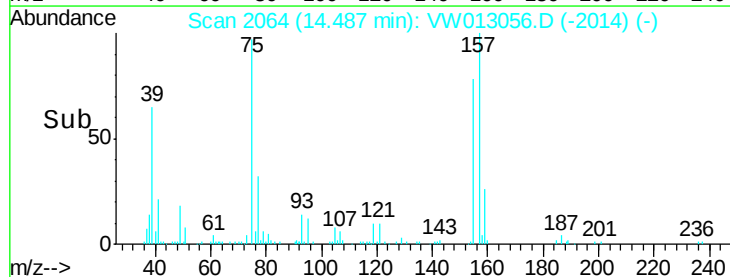
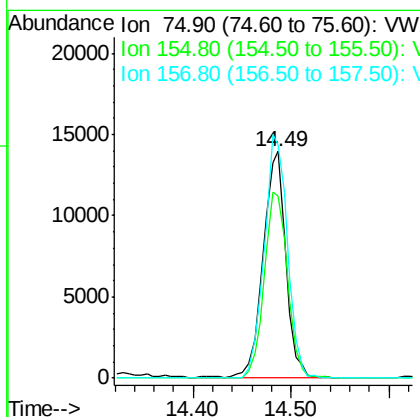
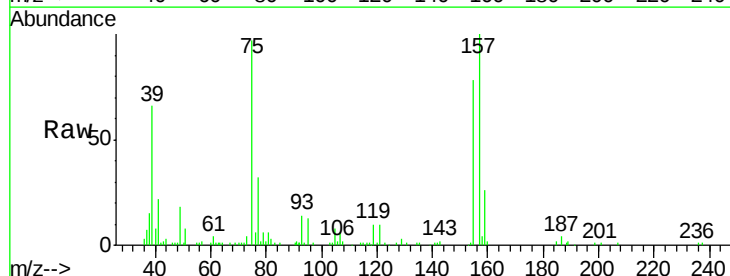
Manual Integrations
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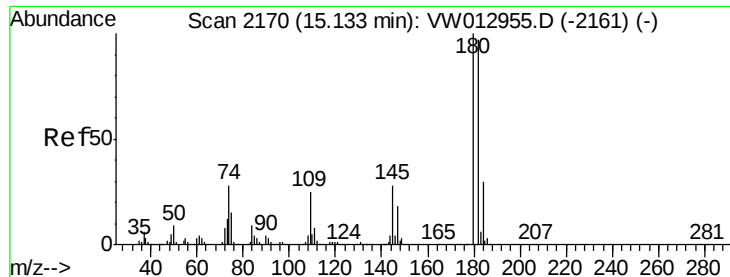
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.733 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22835		
155	83.6	43.3	129.9	
157	109.1	54.7	164.1	





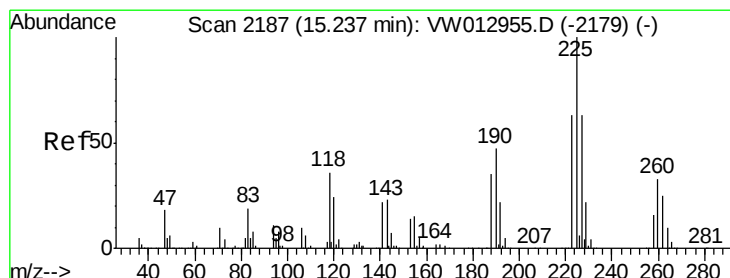
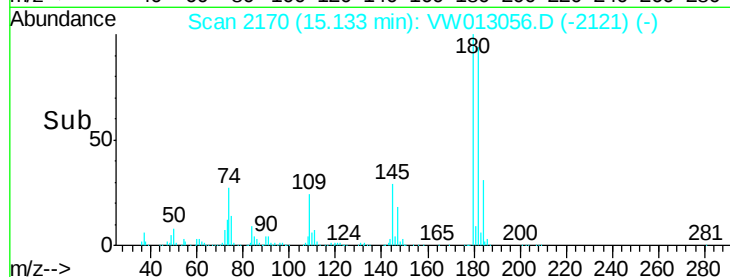
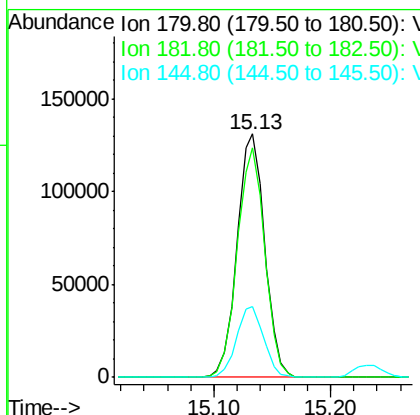
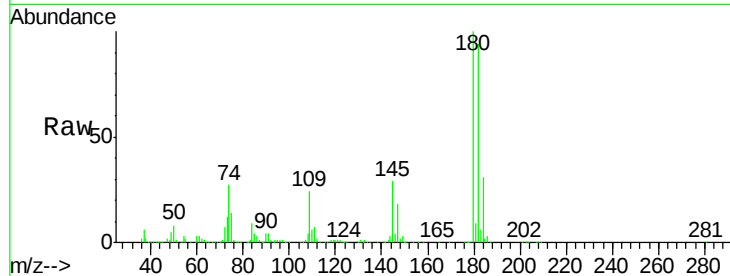
#93
 1,2,4-Trichlorobenzene
 Concen: 54.036 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216377		
182	94.0	47.4	142.2	
145	28.7	14.9	44.7	

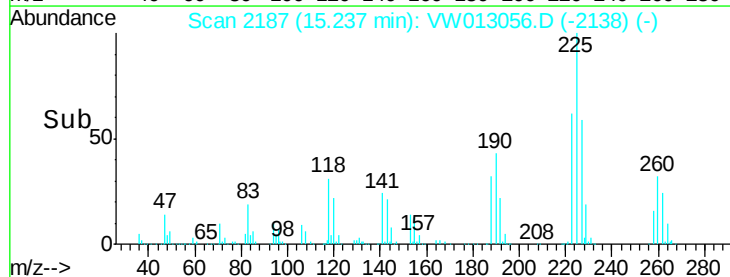
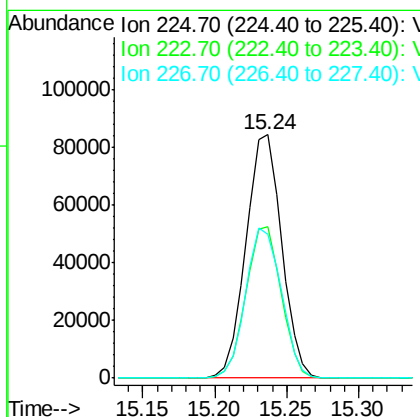
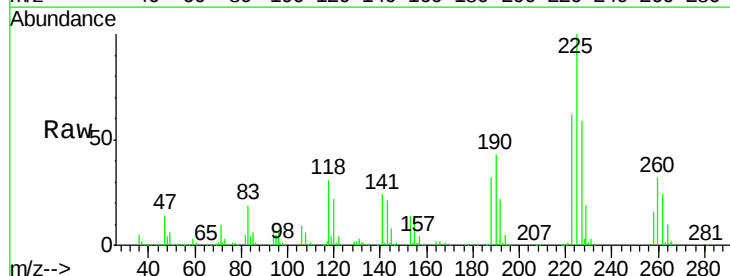
Manual Integrations
 APPROVED

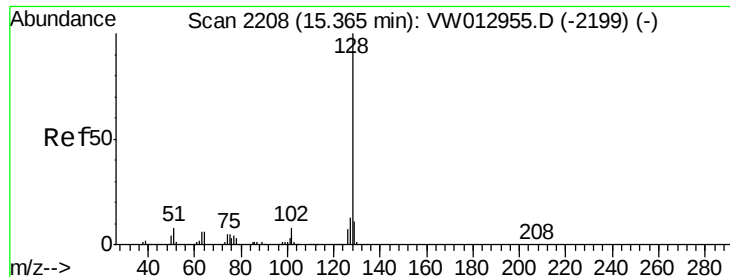
MMDadoda
 9/18/2019 2:01:12 PM



#94
 Hexachlorobutadiene
 Concen: 50.971 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013056.D
 Acq: 16 Sep 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144489		
223	61.7	31.8	95.3	
227	61.5	31.3	93.8	





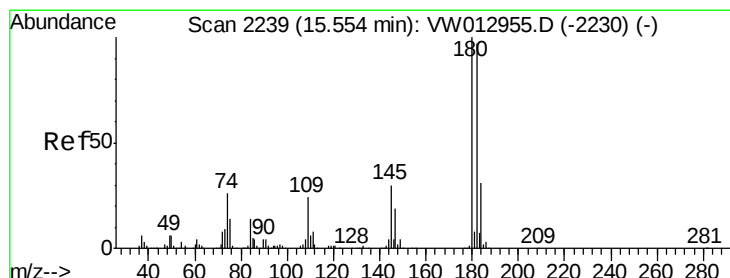
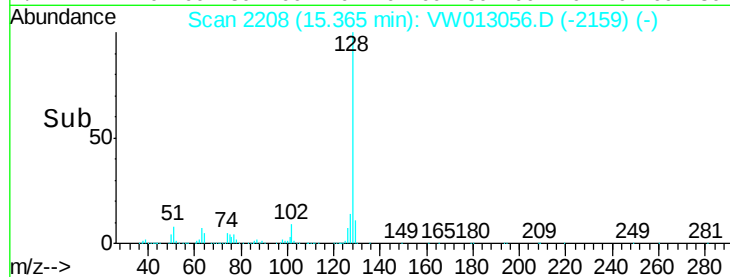
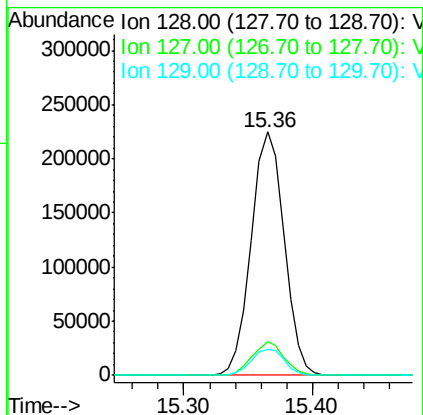
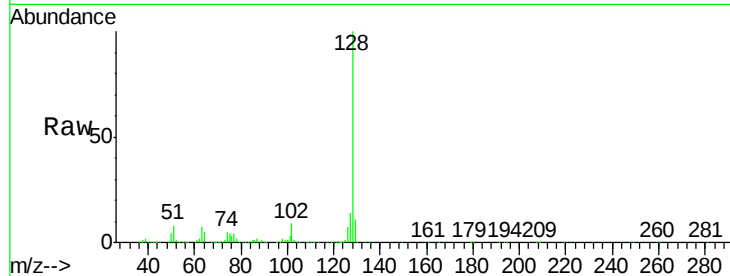
#95
Naphthalene
Concen: 59.475 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		397928		
127	13.2		11.0	16.6	
129	10.9		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/18/2019 2:01:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.898 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013056.D
Acq: 16 Sep 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		194324		
182	96.7		47.6	142.8	
145	31.4		15.4	46.2	

