

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013078.D
 Acq On : 17 Sep 2019 09:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:19 AM

Quant Time: Sep 18 06:01:35 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	332971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	210710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153503	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.88	113	140491	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	10.32	98	561087	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.62	95	197290	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70309	55.676	ug/l	93
3) Chloromethane	2.21	50	87319	54.980	ug/l	99
4) Vinyl Chloride	2.35	62	119998	50.350	ug/l	96
5) Bromomethane	2.78	94	69393	47.678	ug/l	98
6) Chloroethane	2.92	64	75056	51.348	ug/l	99
7) Trichlorofluoromethane	3.25	101	82298	49.380	ug/l	99
8) Diethyl Ether	3.68	74	64523	49.581	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	127358	50.384	ug/l	98
10) Methyl Iodide	4.26	142	161877	51.171	ug/l	98
11) Tert butyl alcohol	5.20	59	48519	232.200	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	117091	50.946	ug/l	96
13) Acrolein	3.89	56	65731	291.093	ug/l	99
14) Allyl chloride	4.66	41	233096	53.422	ug/l	96
15) Acrylonitrile	5.37	53	164209	247.056	ug/l	99
16) Acetone	4.12	43	177689	267.667	ug/l	98
17) Carbon Disulfide	4.38	76	218758	47.761	ug/l	96
18) Methyl Acetate	4.67	43	81046	46.258	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	232580	51.265	ug/l	98
20) Methylene Chloride	4.91	84	133980	54.382	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	124050	50.394	ug/l	97
22) Diisopropyl ether	6.31	45	485926	53.608	ug/l	95
23) Vinyl Acetate	6.25	43	1436334	264.565	ug/l	97
24) 1,1-Dichloroethane	6.21	63	266271	50.949	ug/l	100
25) 2-Butanone	7.17	43	243517	249.033	ug/l	100
26) 2,2-Dichloropropane	7.16	77	178434	54.159	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	153328	52.027	ug/l	98
28) Bromochloromethane	7.51	49	114113	51.876	ug/l	98
29) Tetrahydrofuran	7.53	42	142157	255.146	ug/l	98
30) Chloroform	7.67	83	266654	50.215	ug/l	97
31) Cyclohexane	7.95	56	217958	56.073	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	216415	49.488	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196833	50.896	ug/l	98
37) Ethyl Acetate	7.24	43	100284	48.853	ug/l	99
38) Carbon Tetrachloride	8.07	117	193294	48.772	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	219660	51.833	ug/l	99
40) Benzene	8.32	78	552667	51.190	ug/l	99
41) Methacrylonitrile	7.48	41	65205	48.235	ug/l	98
42) 1,2-Dichloroethane	8.40	62	172191	47.577	ug/l	98
43) Isopropyl Acetate	8.42	43	201458	51.114	ug/l	98
44) Trichloroethene	9.09	130	151488	51.226	ug/l	94
45) 1,2-Dichloropropane	9.37	63	152438	53.143	ug/l	100
46) Dibromomethane	9.46	93	69134	50.306	ug/l	98
47) Bromodichloromethane	9.64	83	199675	51.799	ug/l	99
48) Methyl methacrylate	9.43	41	93250	50.412	ug/l	98
49) 1,4-Dioxane	9.46	88	21029	913.208	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	512783	252.002	ug/l	99
52) Toluene	10.38	92	357832	52.158	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	200582	51.738	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	232222	52.351	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	106694	50.963	ug/l	97
56) Ethyl methacrylate	10.65	69	149524	53.061	ug/l	98
57) 1,3-Dichloropropane	10.93	76	192330	51.788	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380632	251.799	ug/l	99
59) 2-Hexanone	10.97	43	371919	262.492	ug/l	100
60) Dibromochloromethane	11.13	129	127561	50.398	ug/l	96
61) 1,2-Dibromoethane	11.23	107	96684	50.625	ug/l	97
64) Tetrachloroethene	10.86	164	124818	50.535	ug/l	97
65) Chlorobenzene	11.66	112	386885	52.315	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	147433	52.023	ug/l	98
67) Ethyl Benzene	11.73	91	730809	53.507	ug/l	100
68) m/p-Xylenes	11.83	106	527118	105.645	ug/l	100
69) o-Xylene	12.16	106	250440	53.538	ug/l	99
70) Styrene	12.18	104	447282	53.752	ug/l	99
71) Bromoform	12.35	173	76309	51.262	ug/l #	100
73) Isopropylbenzene	12.46	105	720779	51.608	ug/l	100
74) N-amyl acetate	12.27	43	189977	52.878	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	122298	49.856	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	80566m	43.652	ug/l	
77) Bromobenzene	12.74	156	163486	50.811	ug/l	100
78) n-propylbenzene	12.80	91	856800	52.153	ug/l	100
79) 2-Chlorotoluene	12.89	91	485854	51.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	612691	51.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	42544	52.291	ug/l	95
82) 4-Chlorotoluene	12.99	91	518565	52.041	ug/l	99
83) tert-Butylbenzene	13.21	119	556607	52.666	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	611824	52.401	ug/l	99
85) sec-Butylbenzene	13.38	105	767081	53.273	ug/l	99
86) p-Isopropyltoluene	13.50	119	698334	52.824	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	323724	50.825	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	321379	51.345	ug/l	99
89) n-Butylbenzene	13.82	91	667214	53.516	ug/l	99
90) Hexachloroethane	14.09	117	122046	51.516	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	286569	51.162	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20414	45.464	ug/l	98

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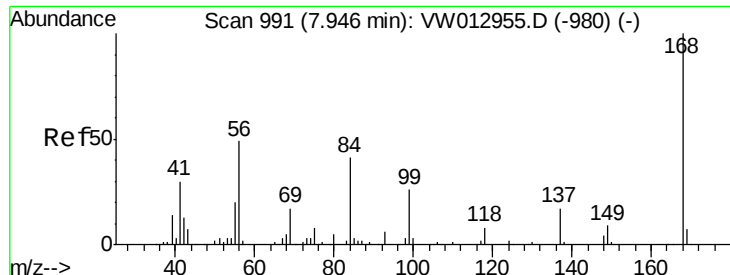
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	212637	53.231	ug/l	99
94) Hexachlorobutadiene	15.24	225	143793	50.848	ug/l	99
95) Naphthalene	15.36	128	360505	54.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	179661	50.879	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: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 332971

Ion Ratio Lower Upper

168 100

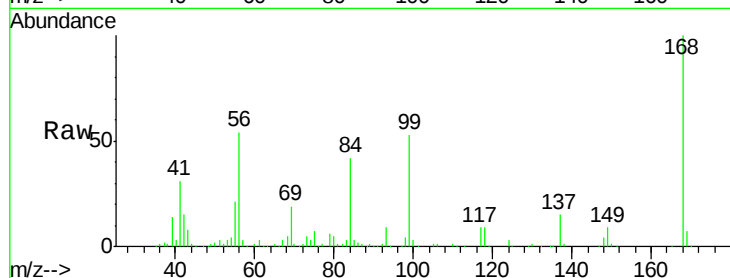
99 52.8 46.2 69.2

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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

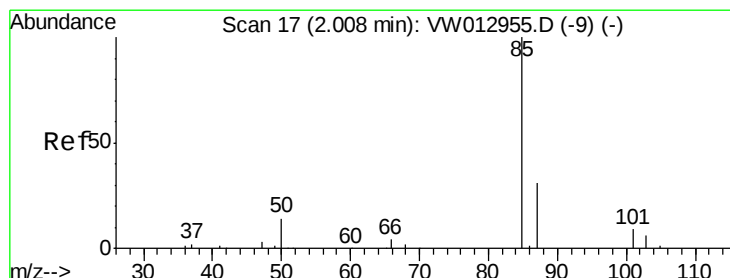
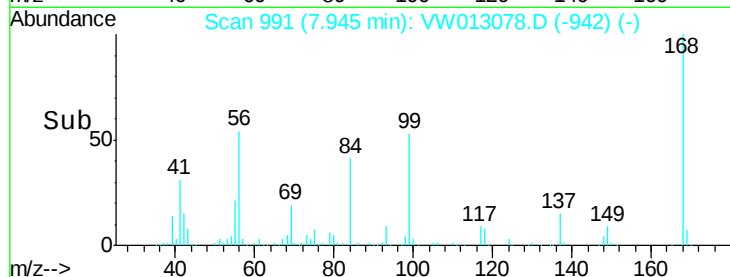
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 55.676 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013078.D

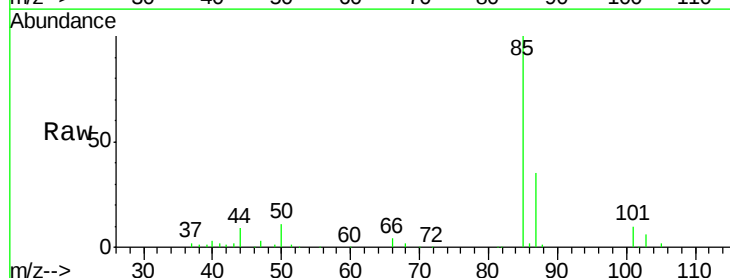
Acq: 17 Sep 2019 09:42

Tgt Ion: 85 Resp: 70309

Ion Ratio Lower Upper

85 100

87 34.9 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

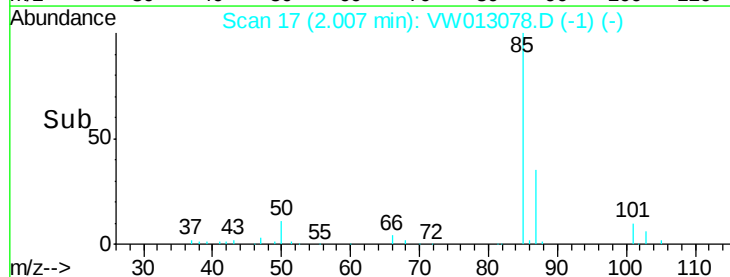
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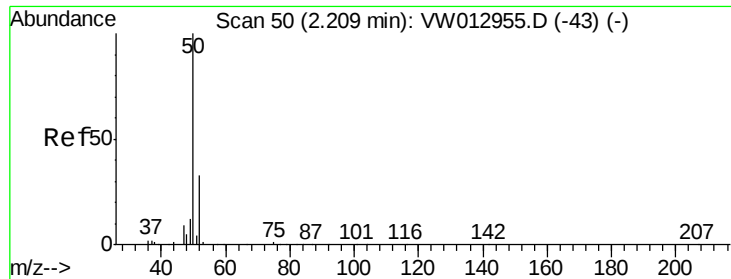
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 54.980 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 87319

Ion Ratio Lower Upper

50 100

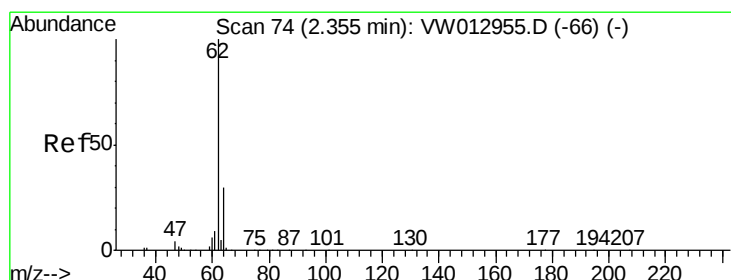
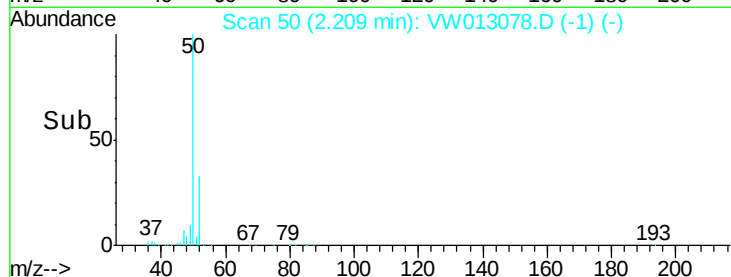
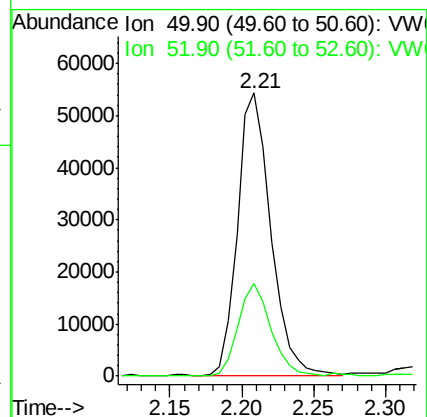
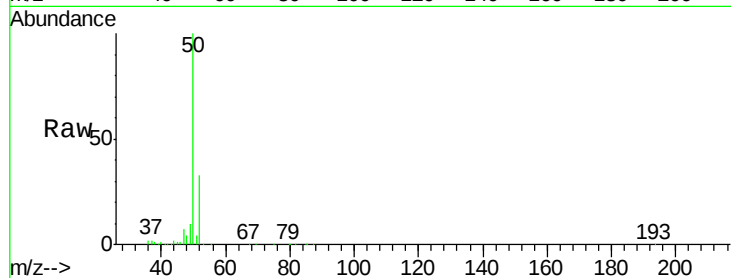
52 32.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.350 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013078.D

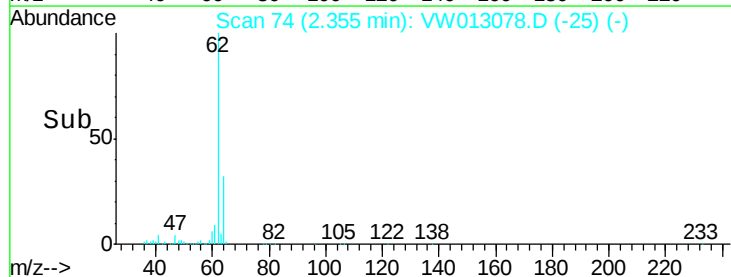
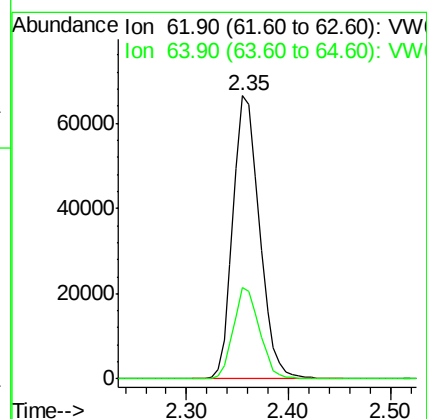
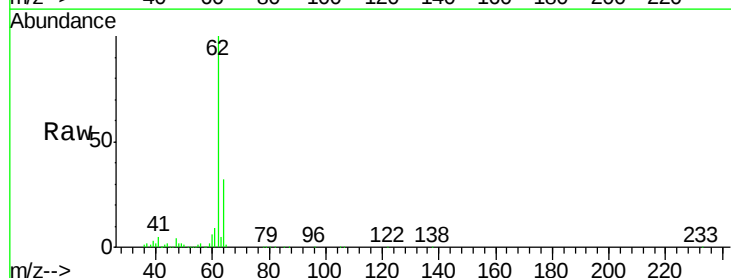
Acq: 17 Sep 2019 09:42

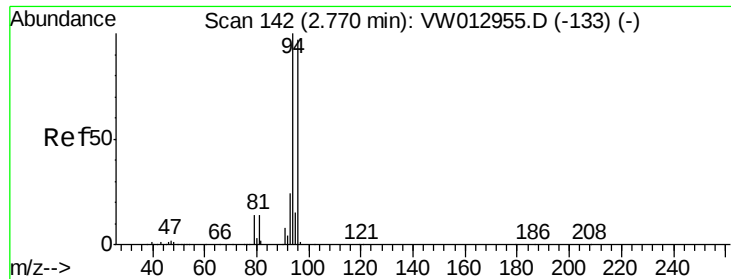
Tgt Ion: 62 Resp: 119998

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 47.678 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69393

Ion Ratio Lower Upper

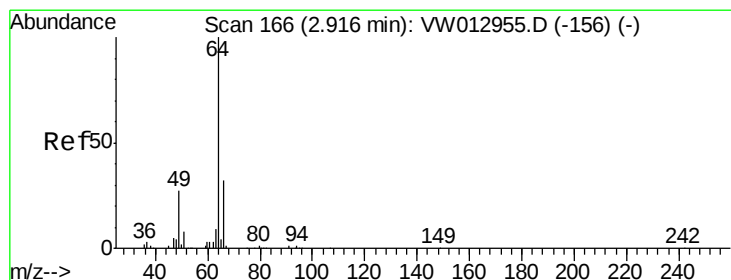
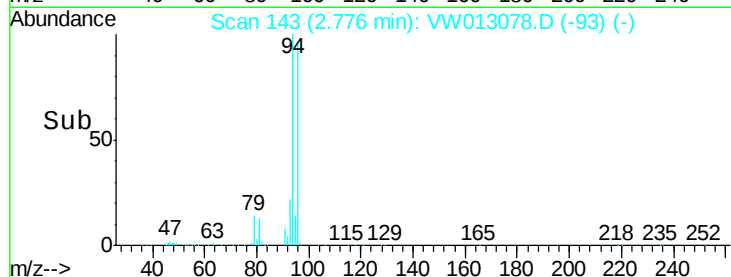
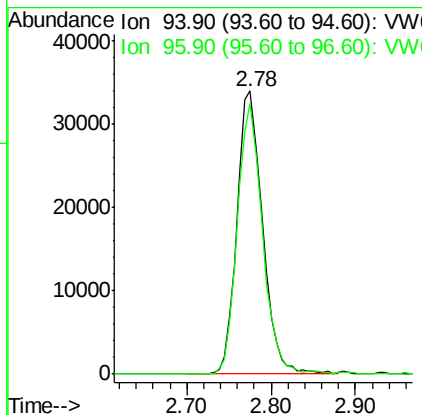
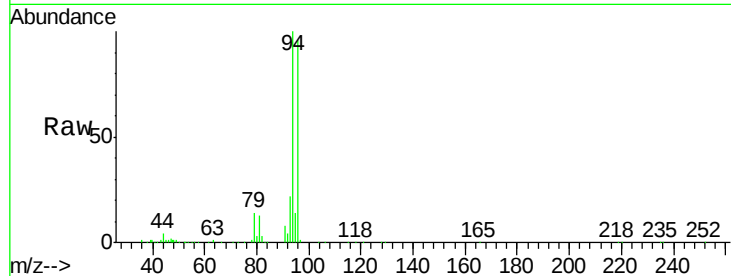
94 100

96 95.6 77.8 116.6

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#6

Chloroethane

Concen: 51.348 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013078.D

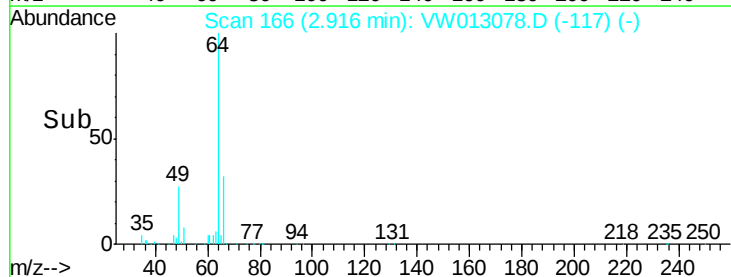
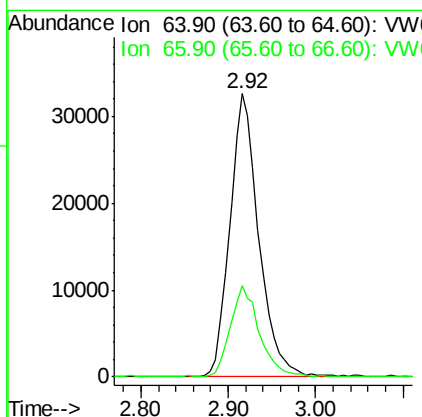
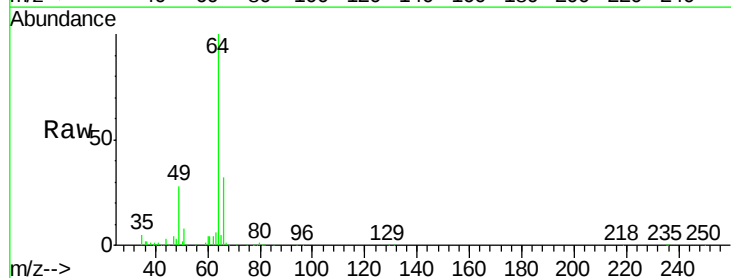
Acq: 17 Sep 2019 09:42

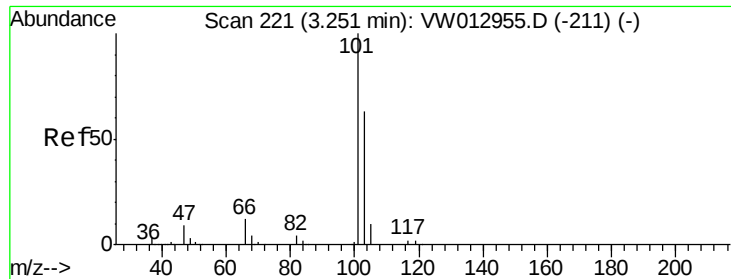
Tgt Ion: 64 Resp: 75056

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9





#7

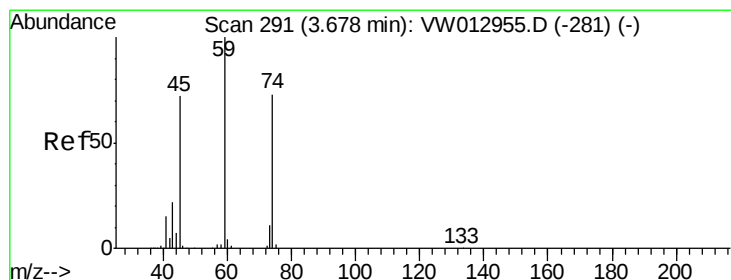
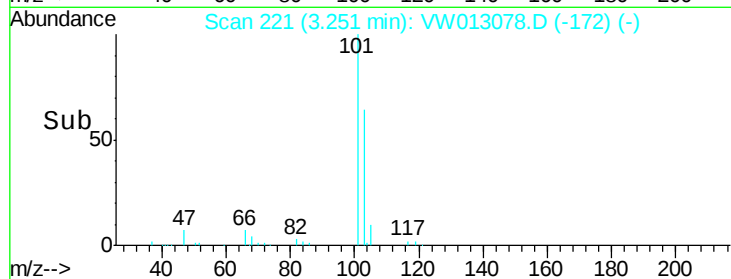
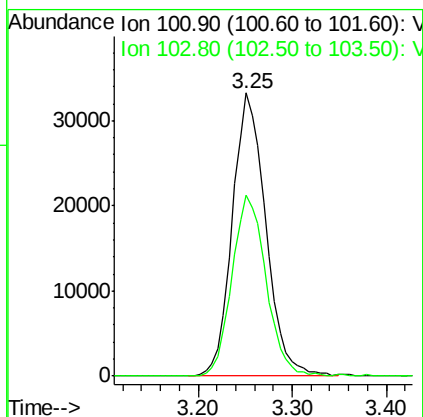
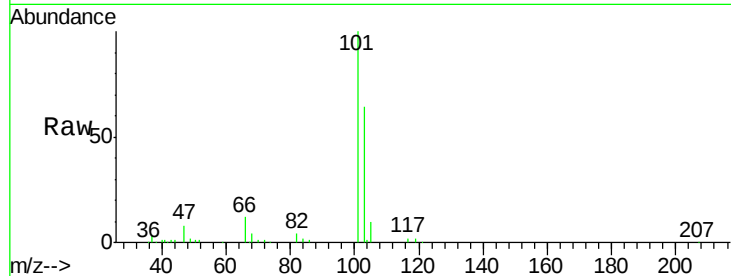
Trichlorofluoromethane
Concen: 49.380 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.7	76.1

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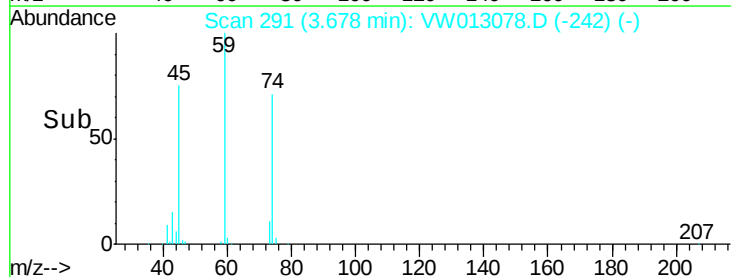
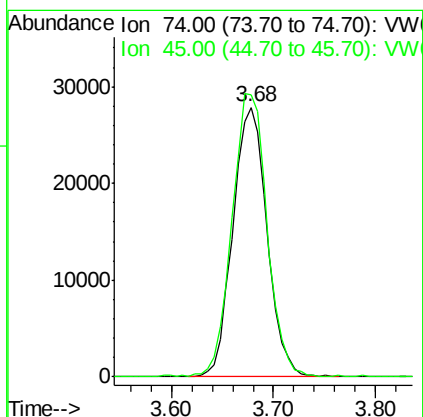
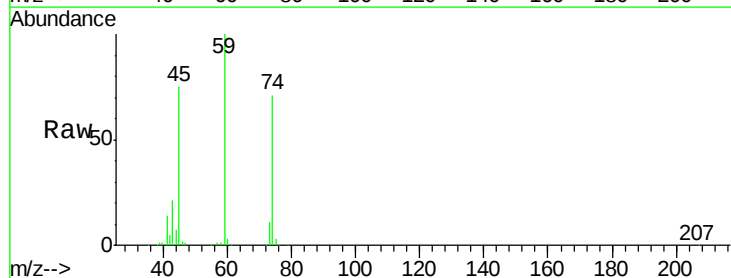
MMDadoda
9/19/2019 1:27:19 AM

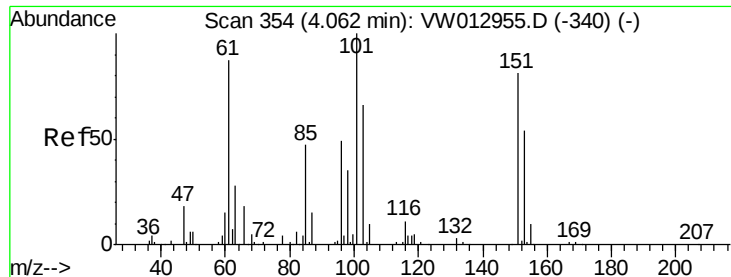


#8

Diethyl Ether
Concen: 49.581 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.384 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

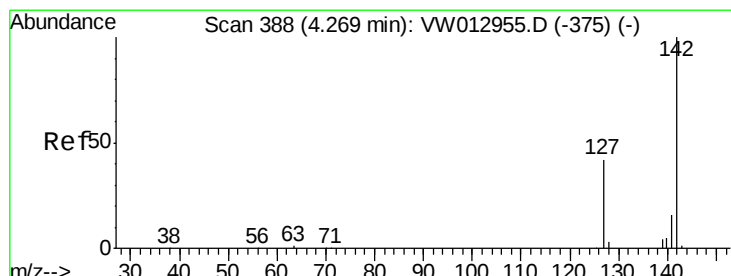
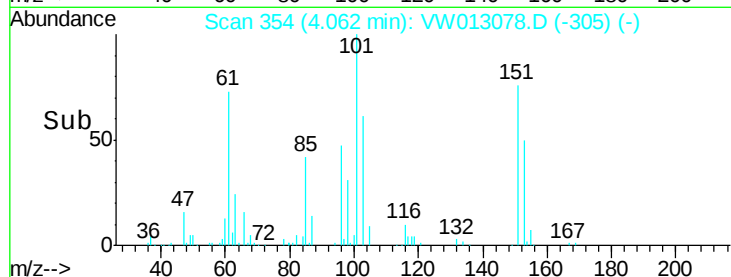
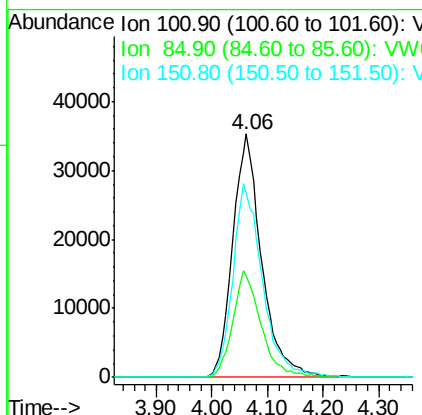
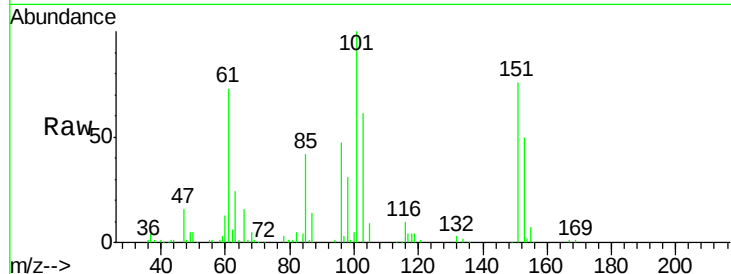
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	127358
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.9	52.3
151	81.1	66.0	99.0

Manual Integrations
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9/19/2019 1:27:19 AM



#10

Methyl Iodide

Concen: 51.171 ug/l

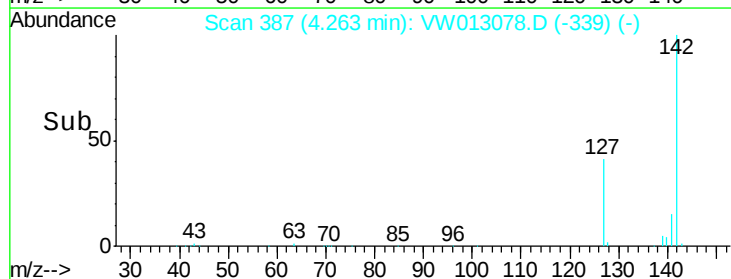
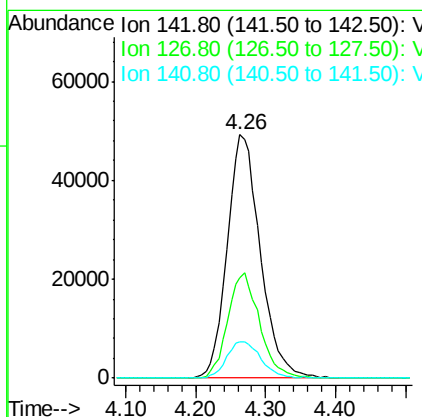
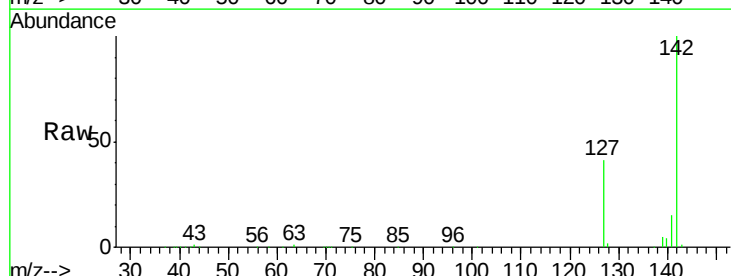
RT: 4.26 min Scan# 387

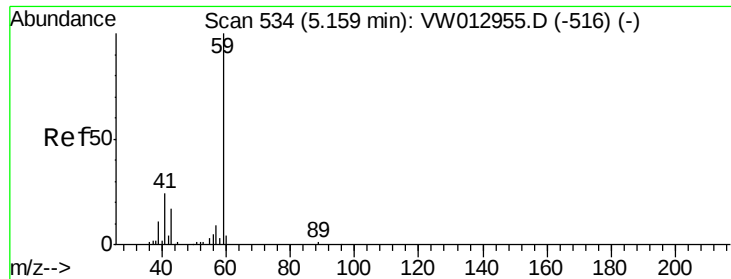
Delta R.T. -0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Tgt Ion:	142	Resp:	161877
Ion Ratio	Lower	Upper	
142	100		
127	41.7	34.7	52.1
141	15.4	12.2	18.2





#11

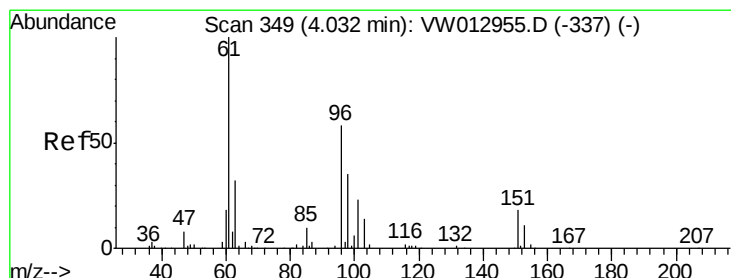
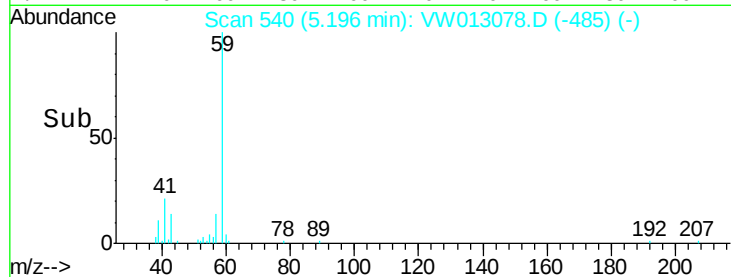
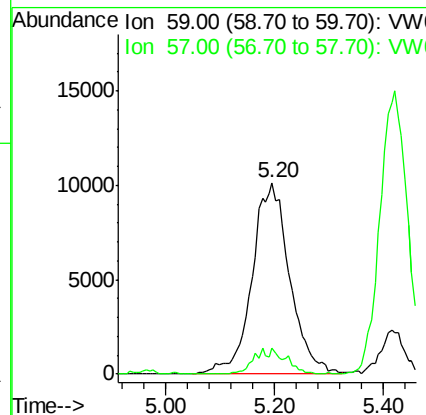
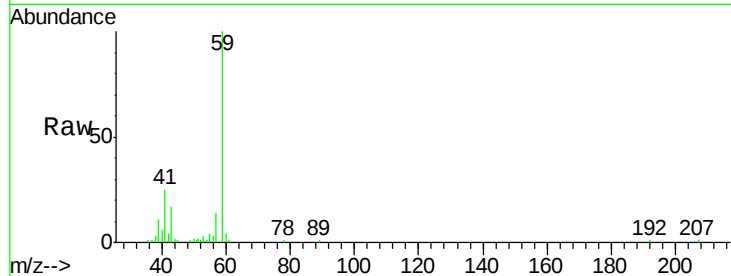
Tert butyl alcohol
Concen: 232.200 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	5.5	Resp	48519	Lower	8.5	Upper	12.7#
Ion	59	57	Ratio	100	5.5	Resp	48519	Lower	8.5	Upper	12.7#

Manual Integrations
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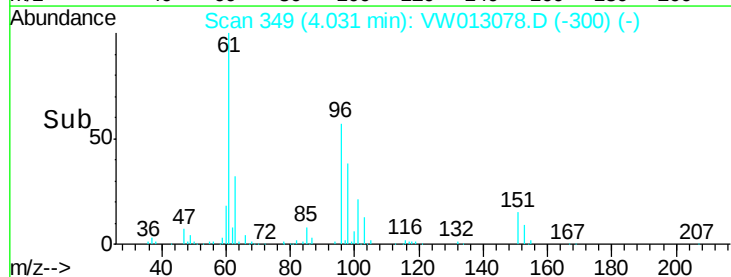
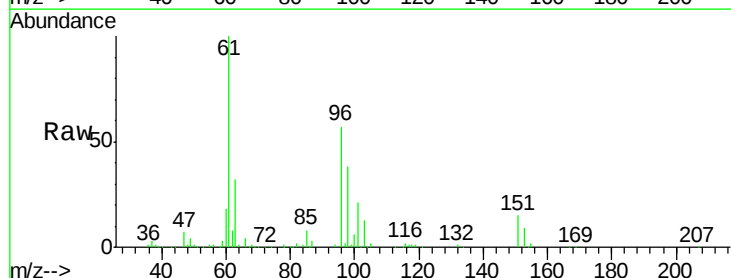
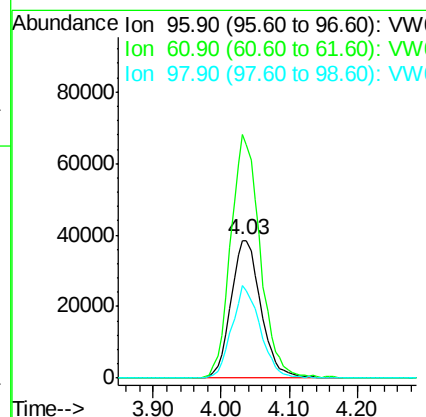
MMDadoda
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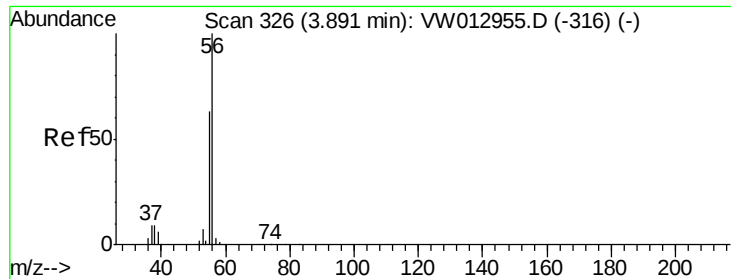


#12

1,1-Dichloroethene
Concen: 50.946 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	96	61	98	Ratio	100	176.3	67.5	Resp	117091	Lower	137.9	48.9	Upper	206.9	73.3
Ion	96	61	98	Ratio	100	176.3	67.5	Resp	117091	Lower	137.9	48.9	Upper	206.9	73.3





#13

Acrolein

Concen: 291.093 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65731

Ion Ratio Lower Upper

56 100

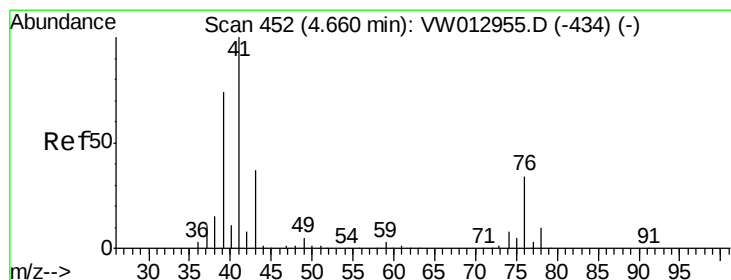
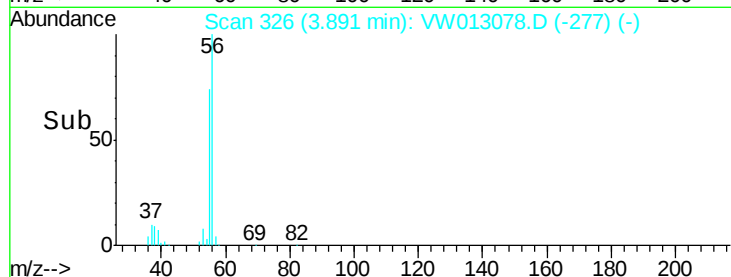
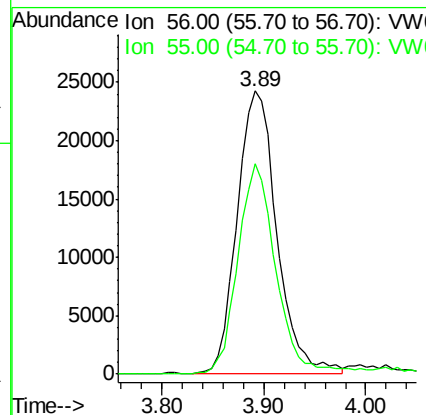
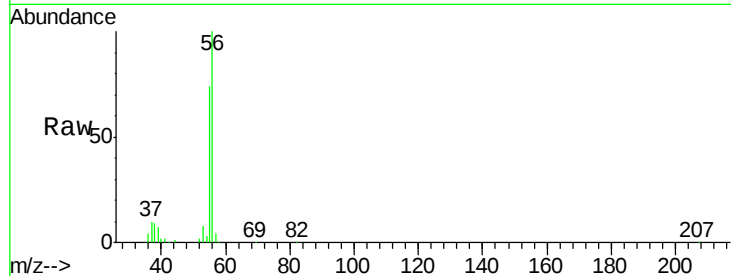
55 70.6 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 53.422 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

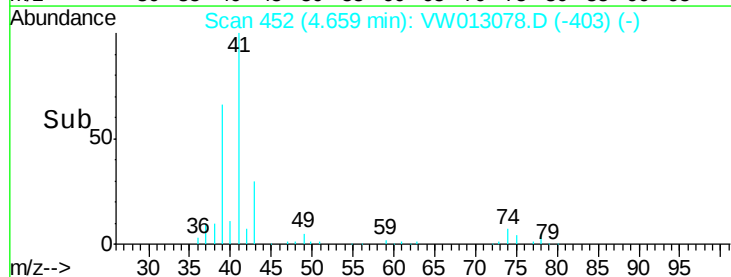
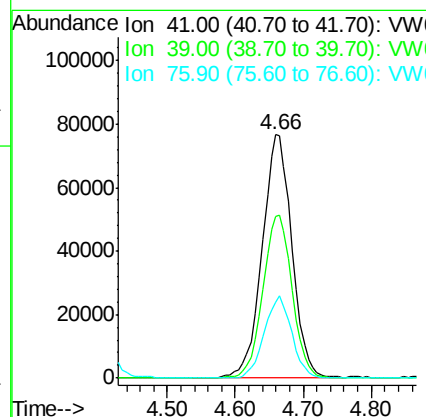
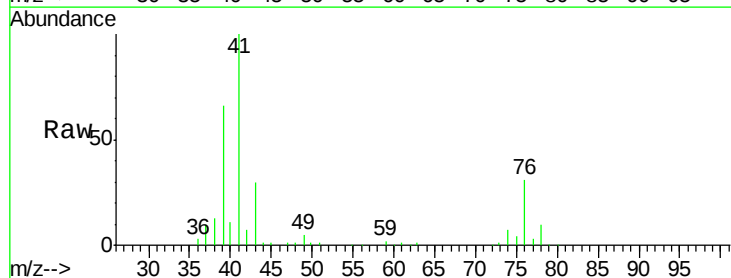
Tgt Ion: 41 Resp: 233096

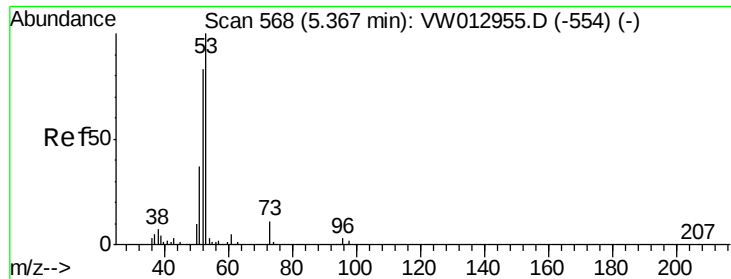
Ion Ratio Lower Upper

41 100

39 66.1 56.7 85.1

76 31.2 25.1 37.7





#15

Acrylonitrile

Concen: 247.056 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

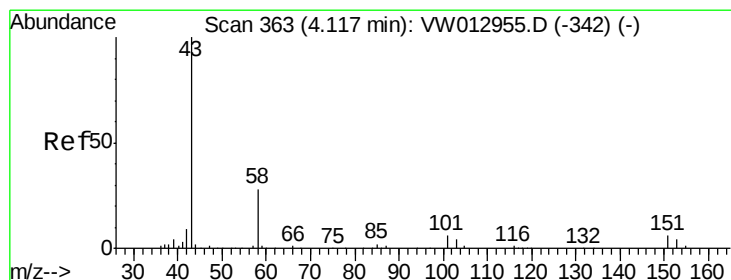
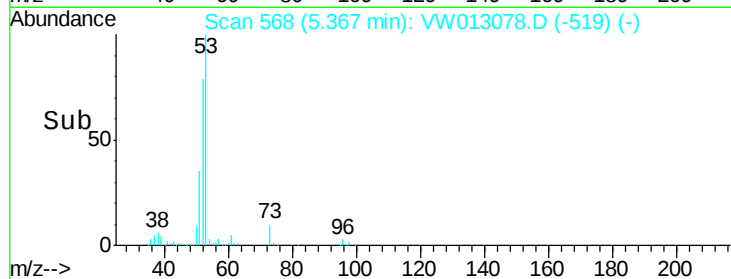
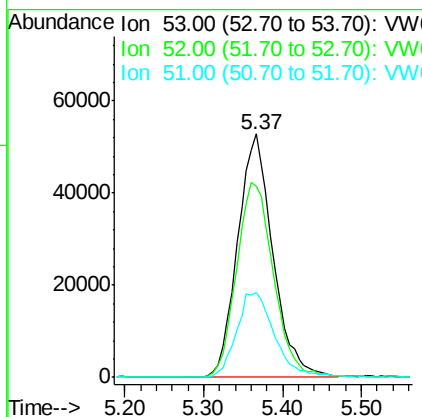
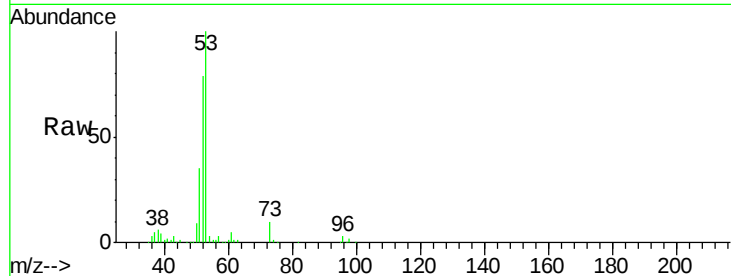
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	164209
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	100.0
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 267.667 ug/l

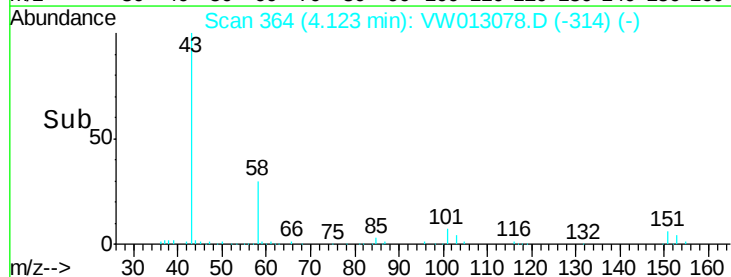
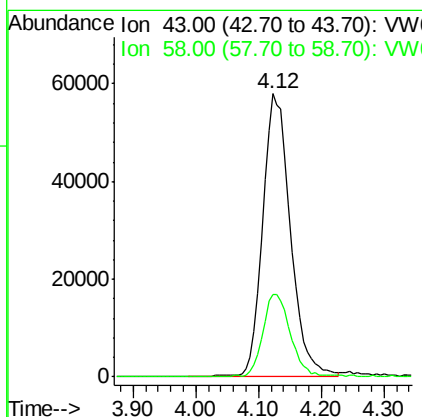
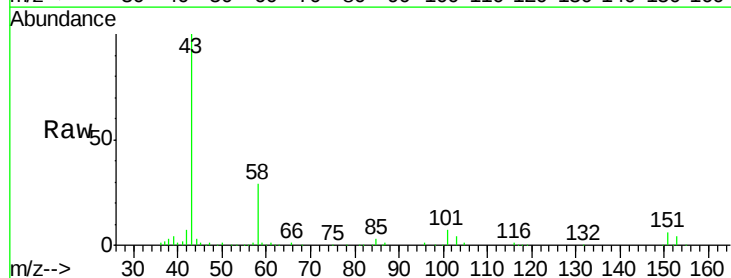
RT: 4.12 min Scan# 364

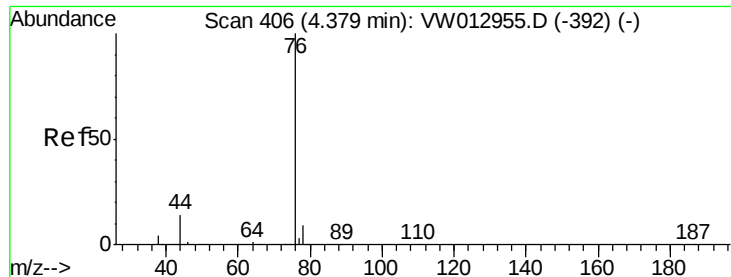
Delta R.T. 0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Tgt Ion:	43	Resp:	177689
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.3	33.5





#17

Carbon Disulfide

Concen: 47.761 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 218758

Ion Ratio Lower Upper

76 100

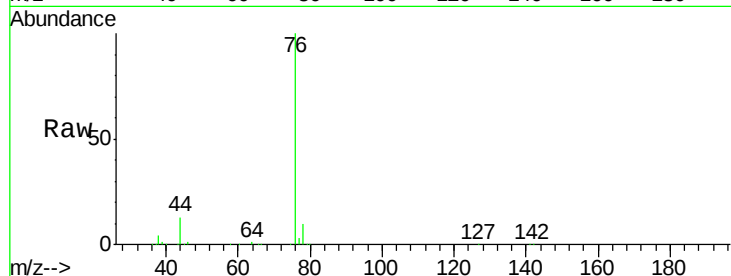
78 10.1 7.0 10.4

Manual Integrations

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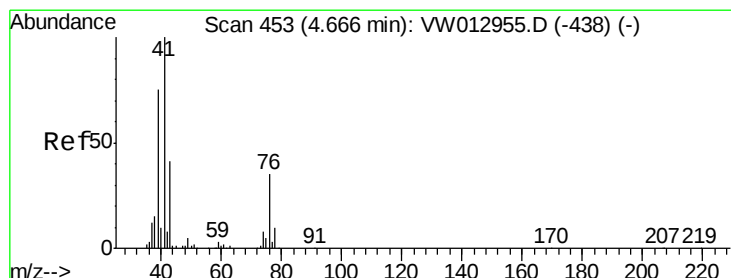
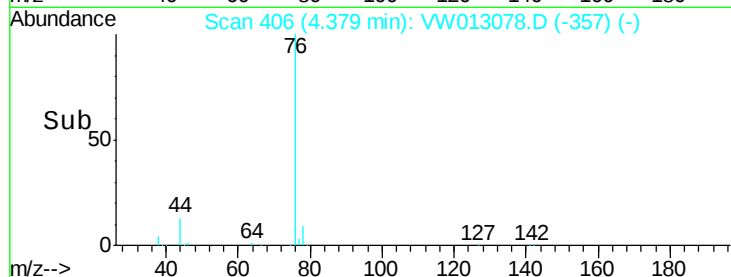
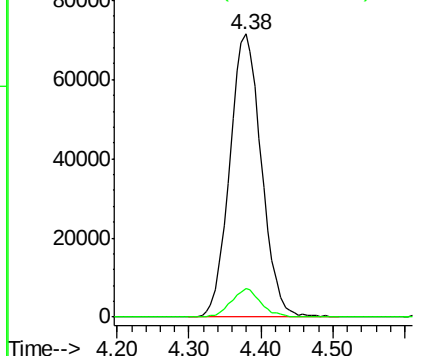
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 46.258 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013078.D

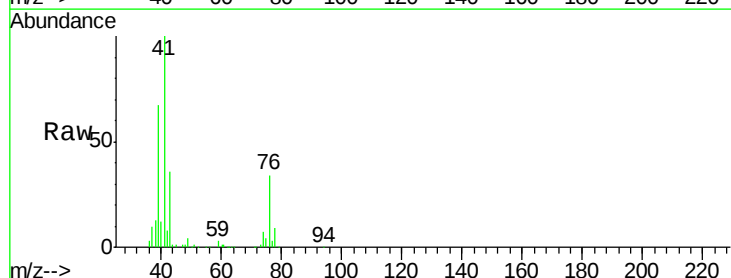
Acq: 17 Sep 2019 09:42

Tgt Ion: 43 Resp: 81046

Ion Ratio Lower Upper

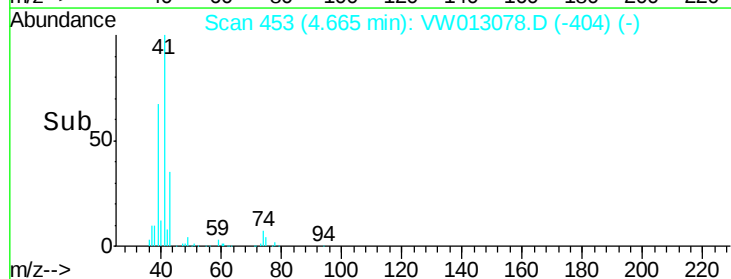
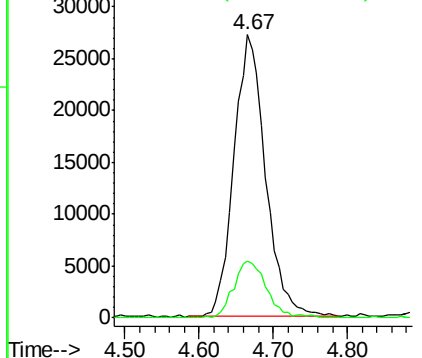
43 100

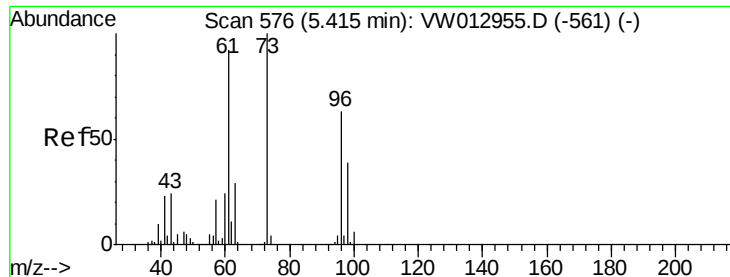
74 21.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





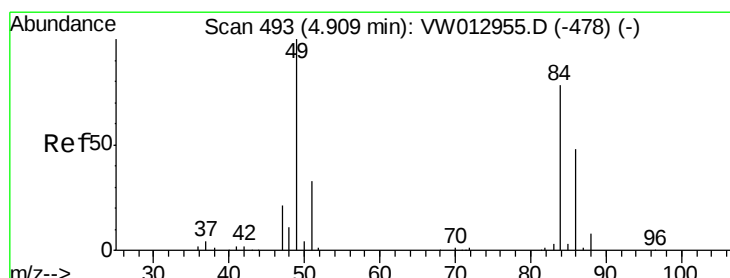
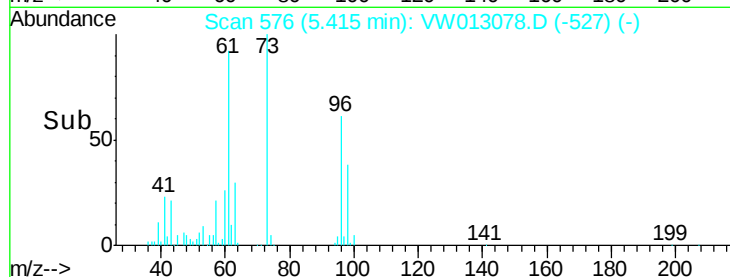
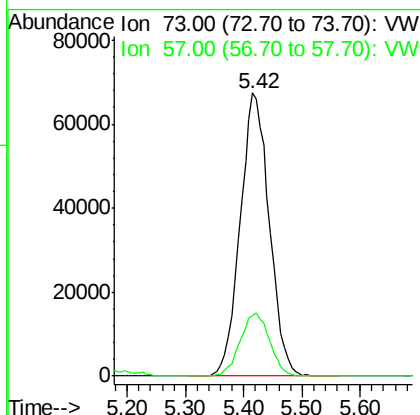
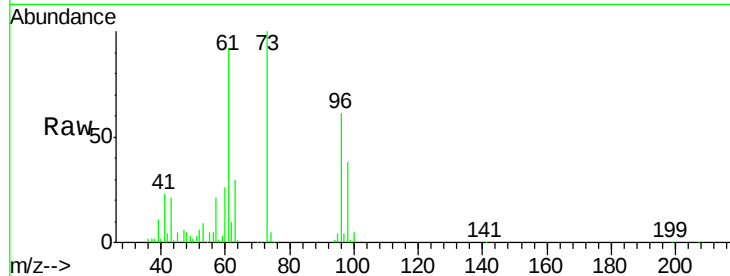
#19
Methyl tert-butyl Ether
Concen: 51.265 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 232580
Ion Ratio Lower Upper
73 100
57 21.3 16.4 24.6

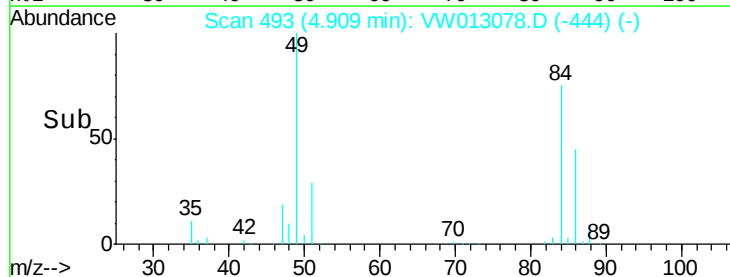
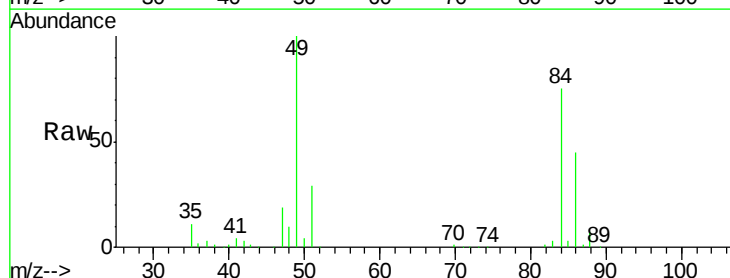
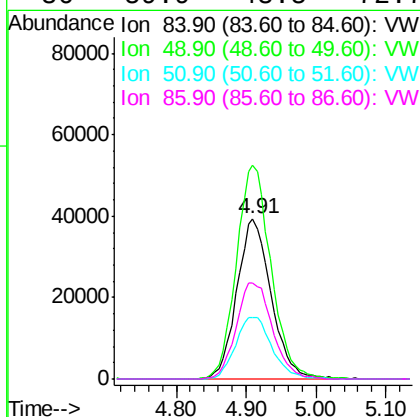
Manual Integrations
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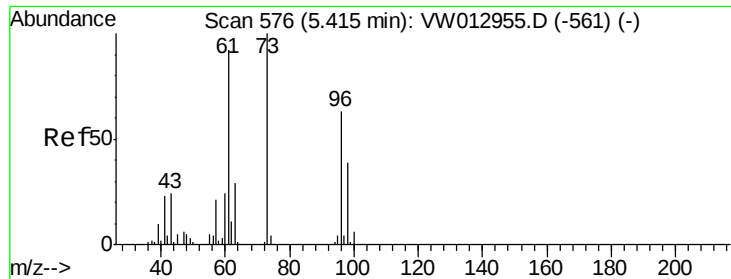
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#20
Methylene Chloride
Concen: 54.382 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion: 84 Resp: 133980
Ion Ratio Lower Upper
84 100
49 133.3 102.0 153.0
51 38.4 34.0 51.0
86 59.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.394 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 124050

Ion Ratio Lower Upper

96 100

61 150.2 116.2 174.2

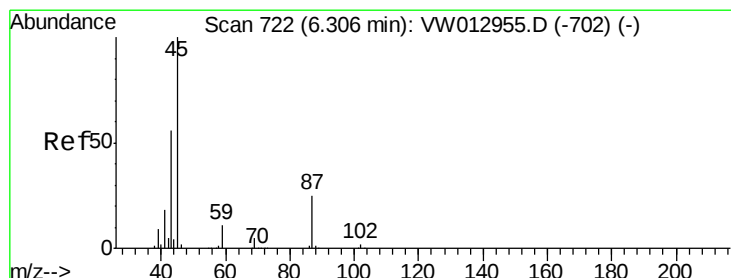
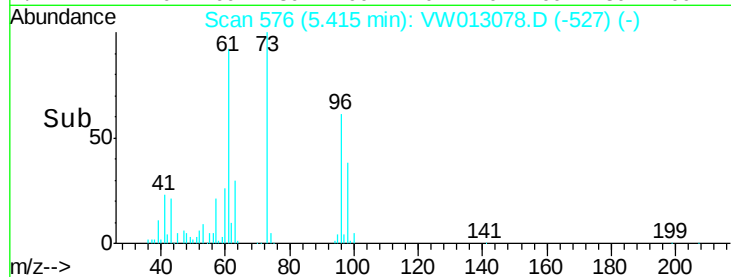
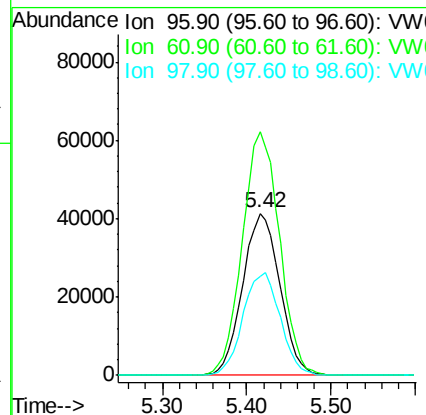
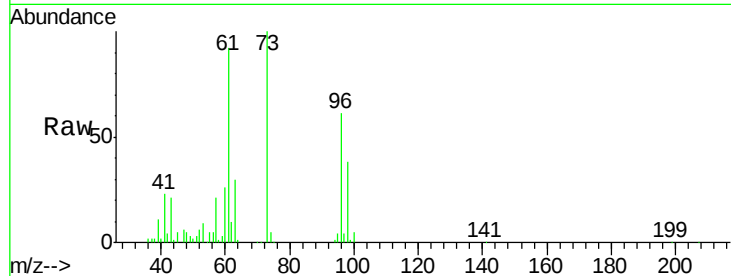
98 61.1 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.608 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Tgt Ion: 45 Resp: 485926

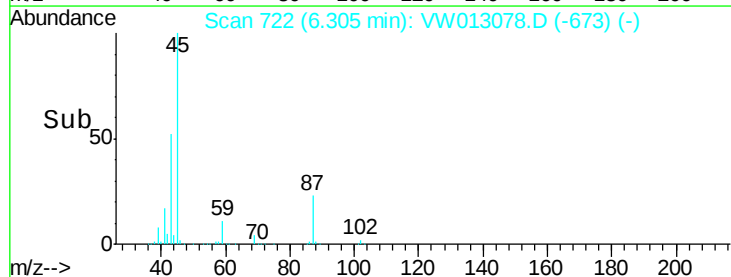
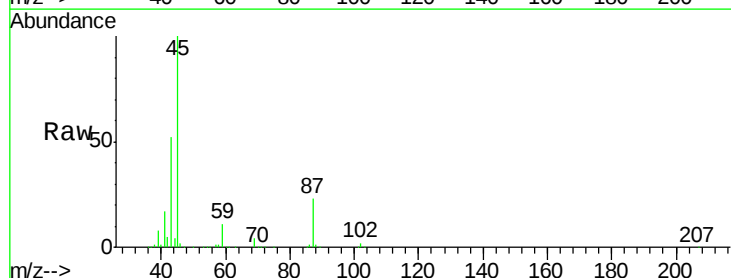
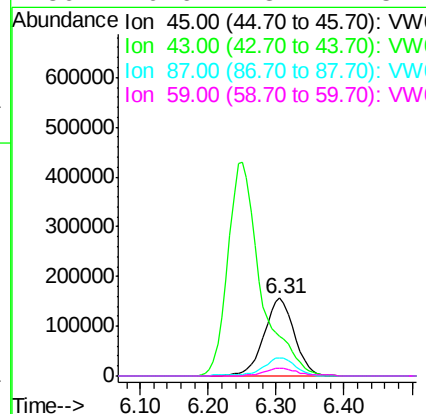
Ion Ratio Lower Upper

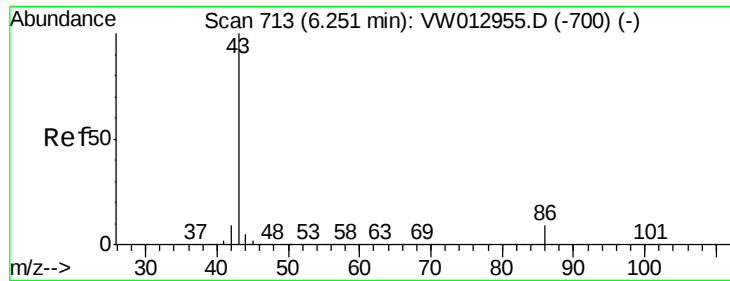
45 100

43 51.5 44.6 67.0

87 22.8 20.0 30.0

59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 264.565 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1436334

Ion Ratio Lower Upper

43 100

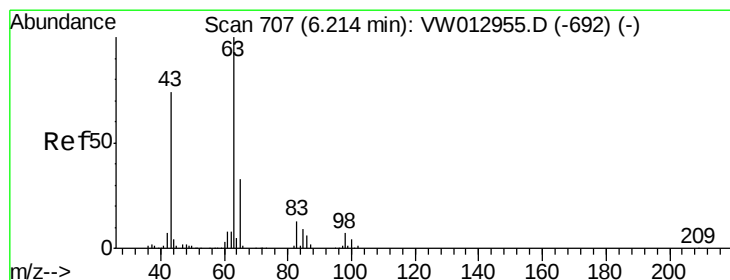
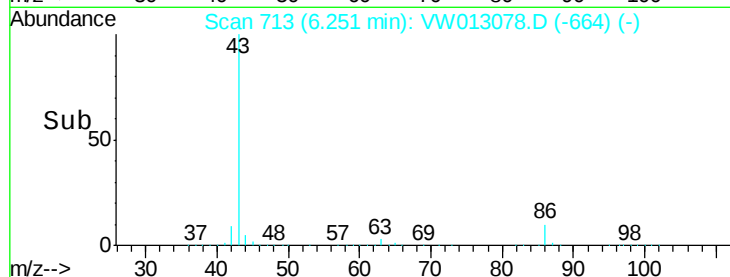
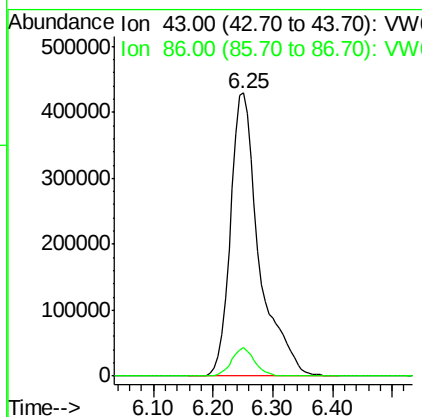
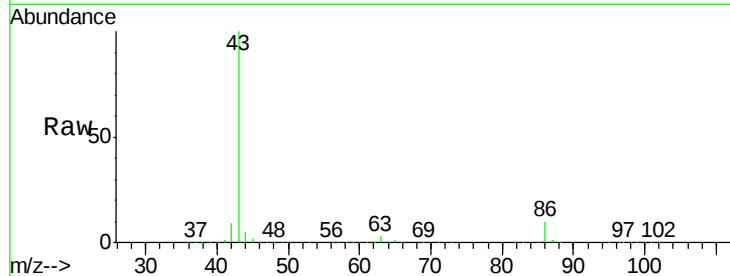
86 9.9 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.949 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

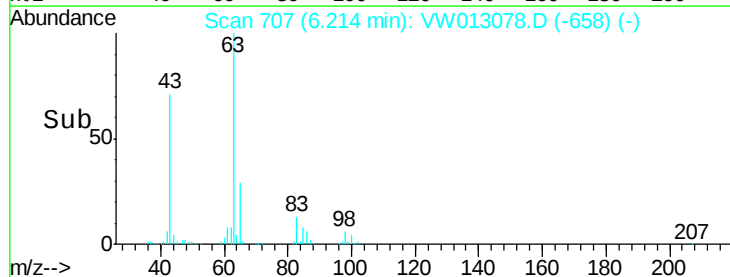
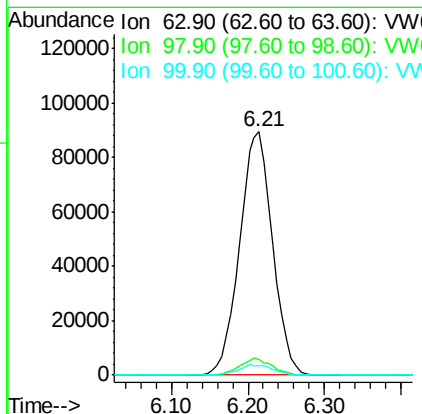
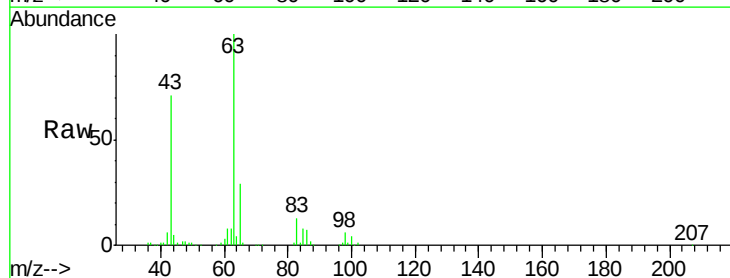
Tgt Ion: 63 Resp: 266271

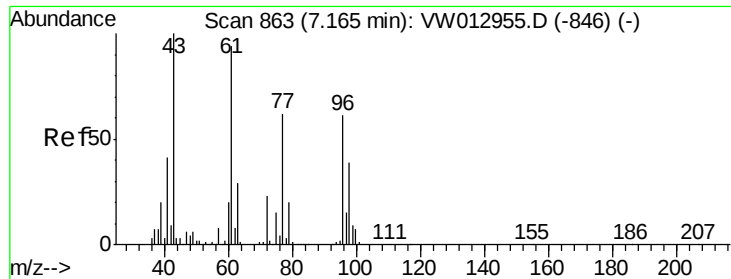
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 249.033 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 243517

Ion Ratio Lower Upper

43 100

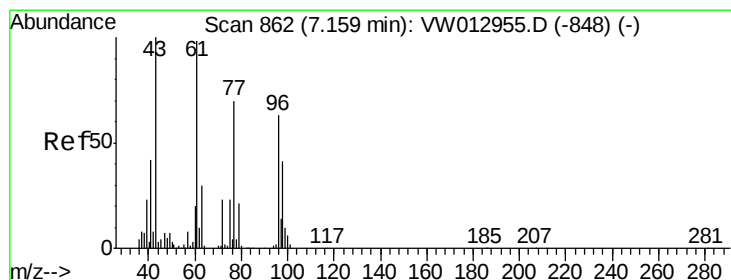
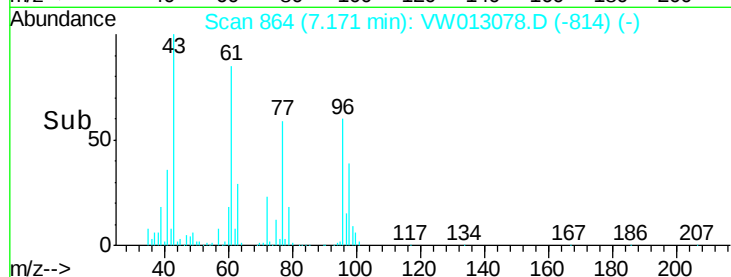
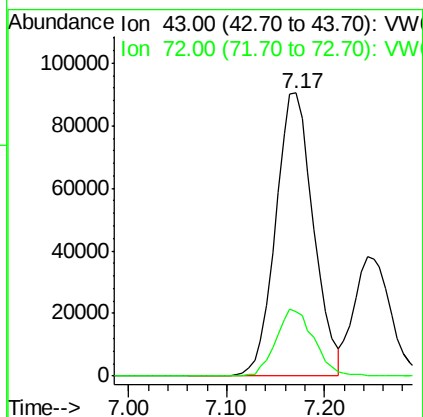
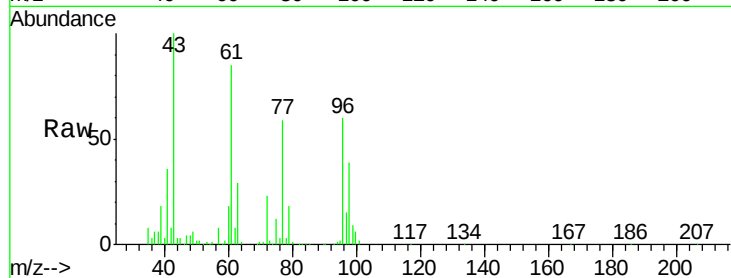
72 22.9 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.159 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013078.D

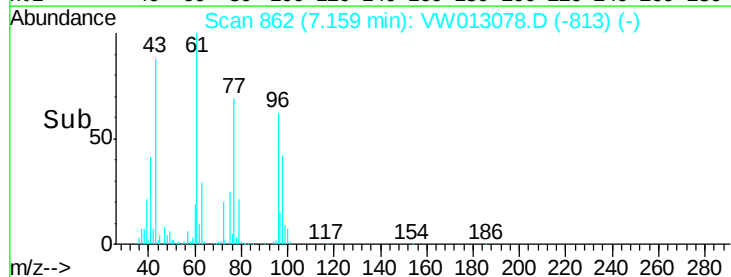
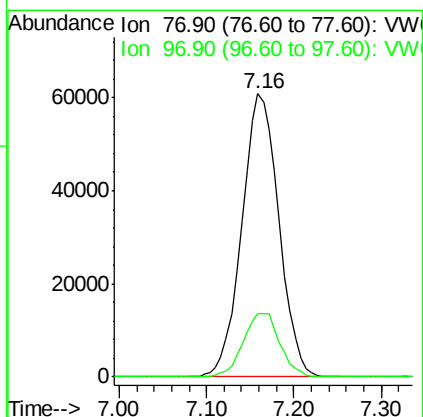
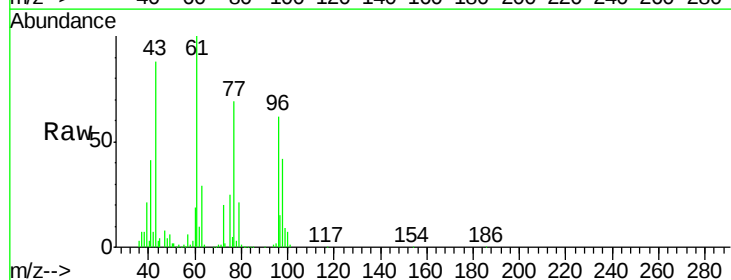
Acq: 17 Sep 2019 09:42

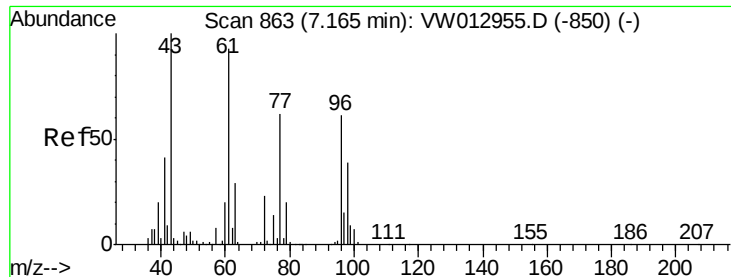
Tgt Ion: 77 Resp: 178434

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

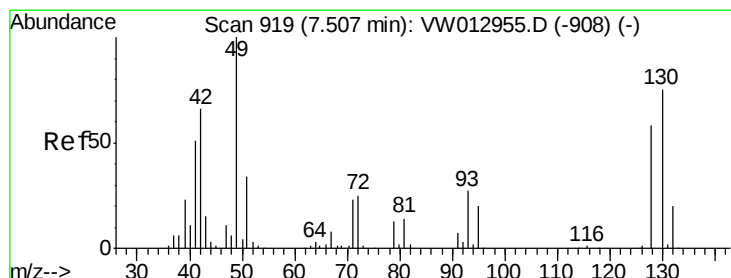
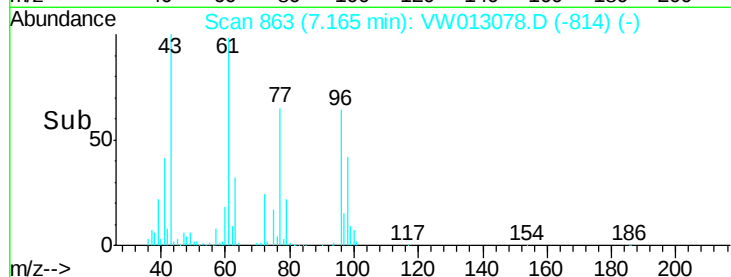
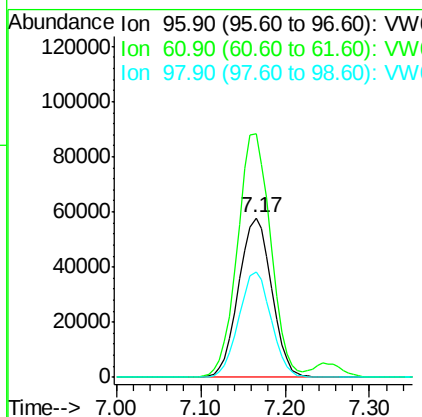
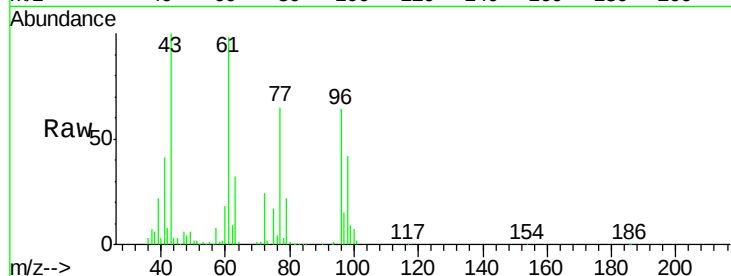
cis-1,2-Dichloroethene
Concen: 52.027 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	315.4
98	64.7	0.0	131.0

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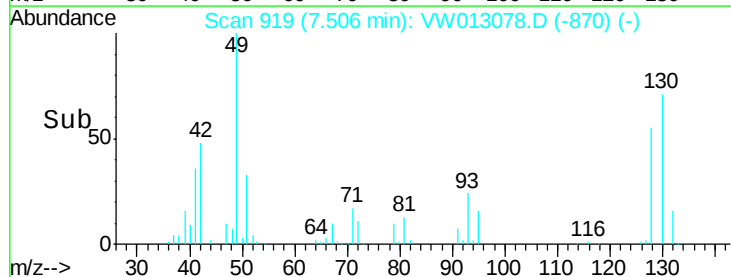
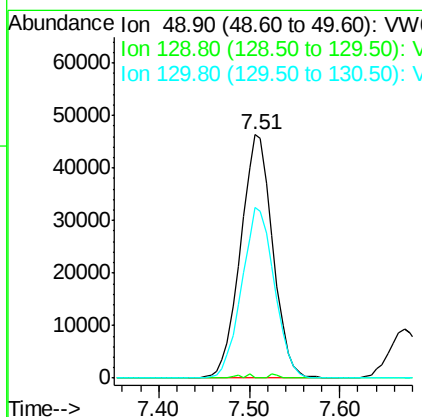
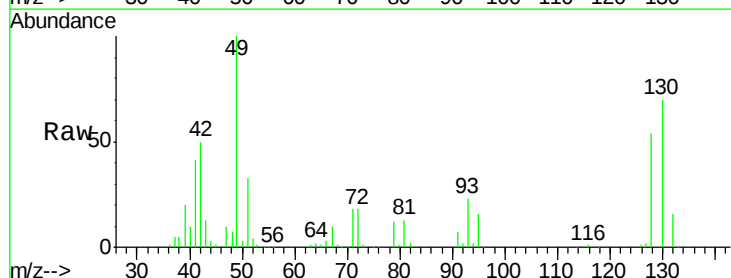
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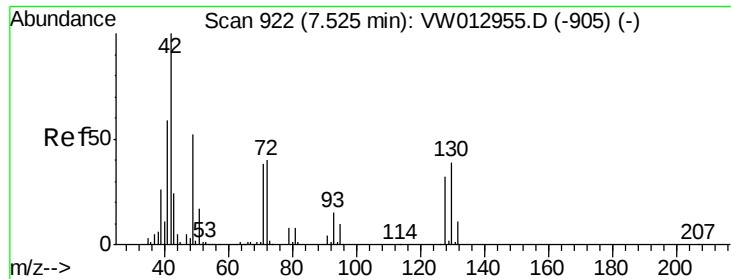


#28

Bromochloromethane
Concen: 51.876 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	70.9	57.8	86.6





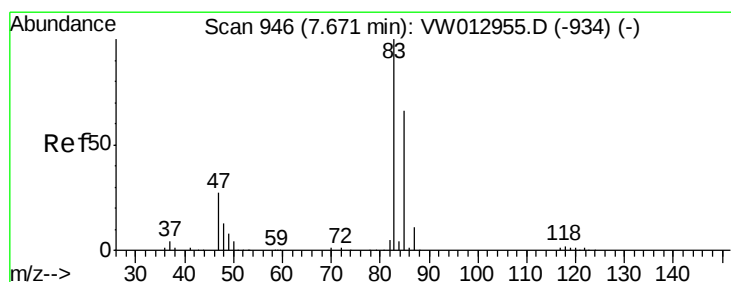
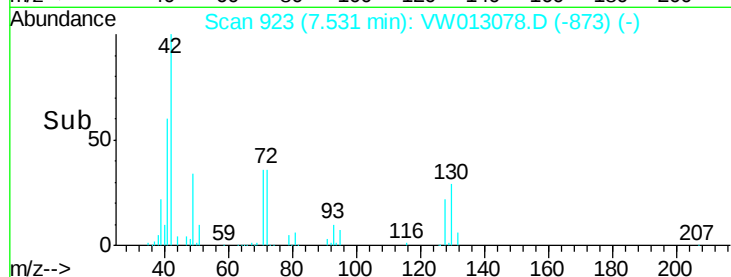
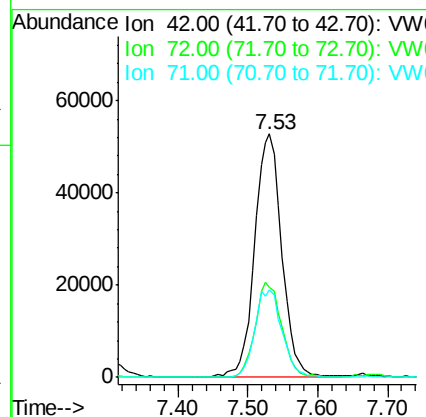
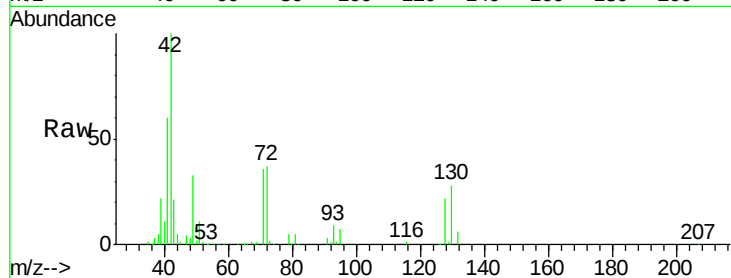
#29
Tetrahydrofuran
Concen: 255.146 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.4	47.0
71	36.1	29.8	44.8

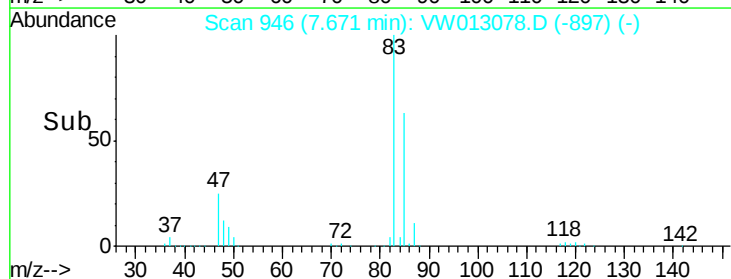
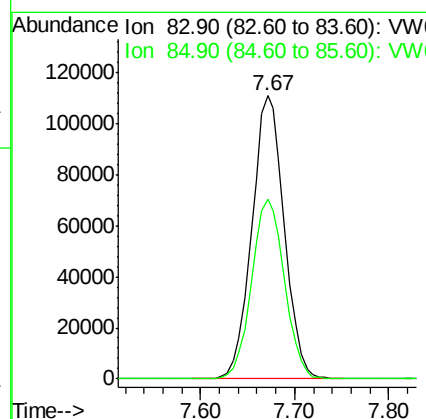
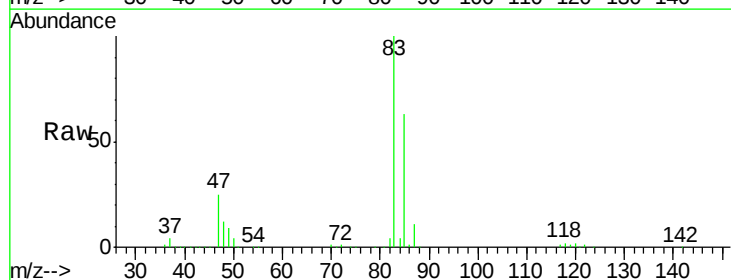
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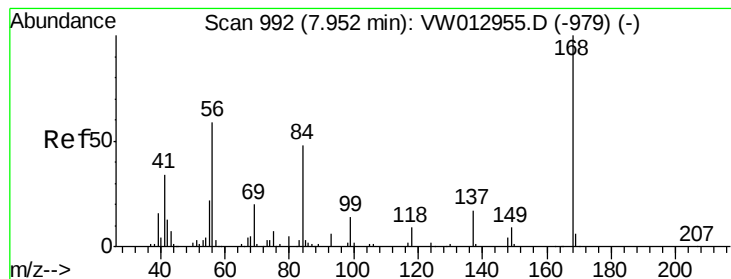
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#30
Chloroform
Concen: 50.215 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.8	79.2





#31

Cyclohexane

Concen: 56.073 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 217958

Ion Ratio Lower Upper

56 100

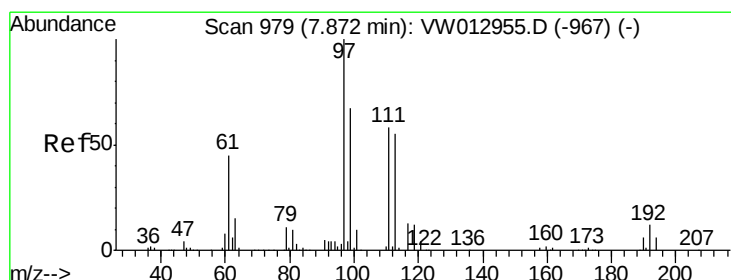
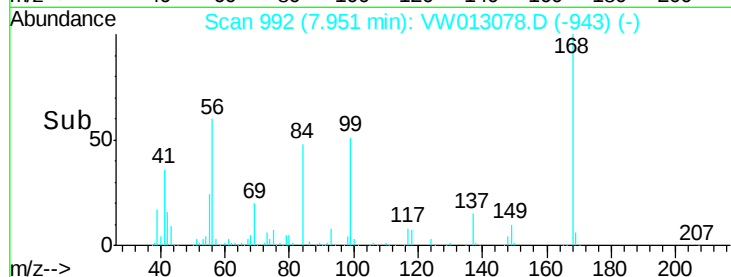
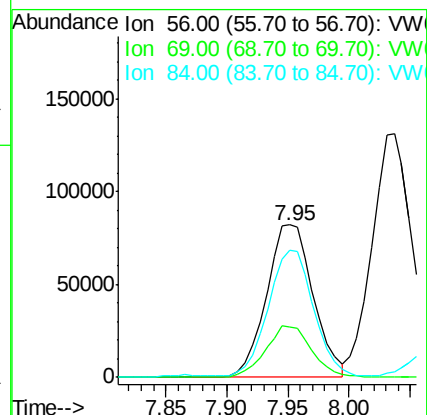
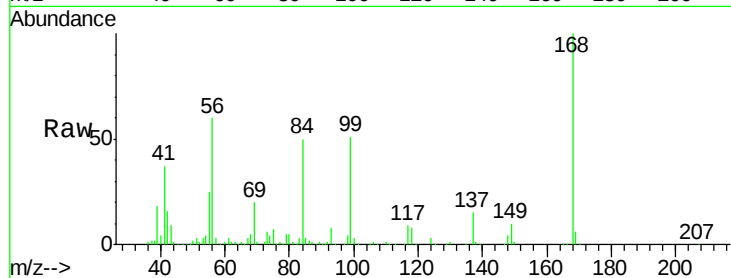
69 33.0 27.0 40.6

84 82.3 66.2 99.2

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#32

1,1,1-Trichloroethane

Concen: 49.488 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

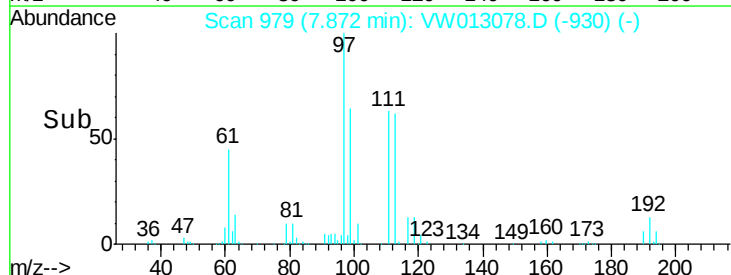
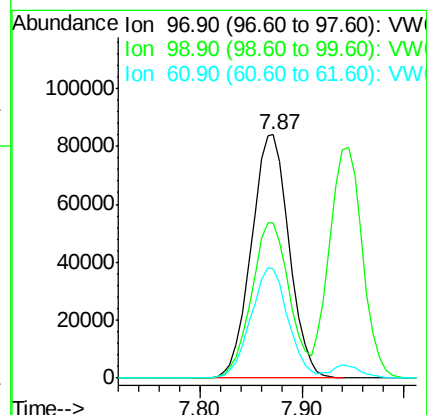
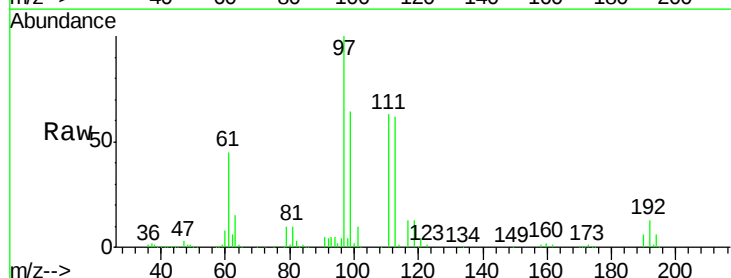
Tgt Ion: 97 Resp: 216415

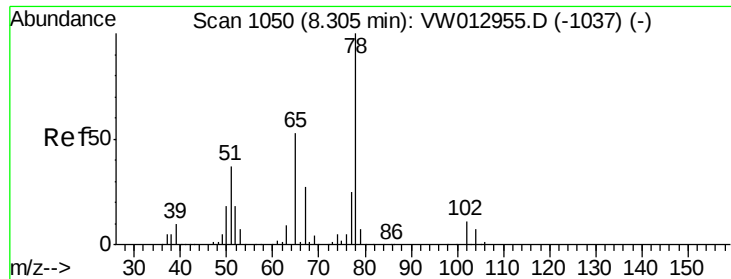
Ion Ratio Lower Upper

97 100

99 64.5 53.0 79.4

61 44.8 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 49.916 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 153503

Ion Ratio Lower Upper

65 100

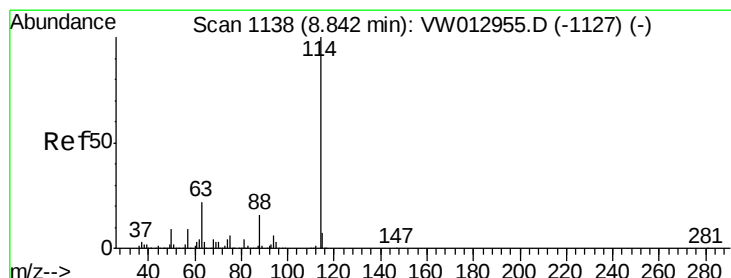
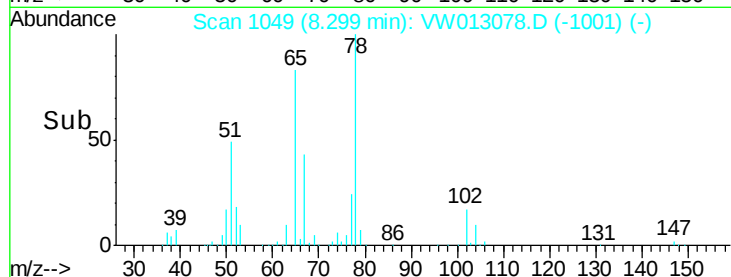
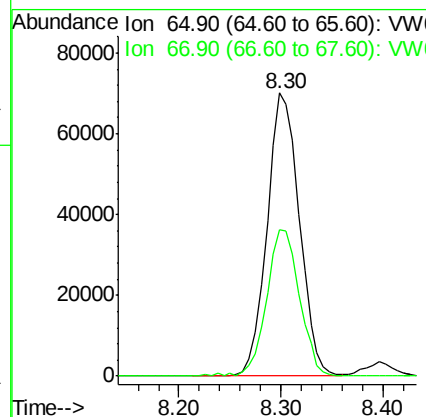
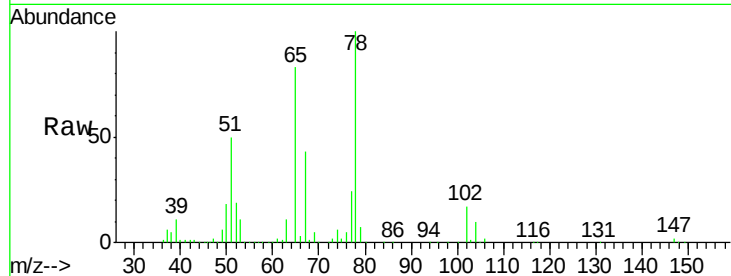
67 52.8 0.0 101.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

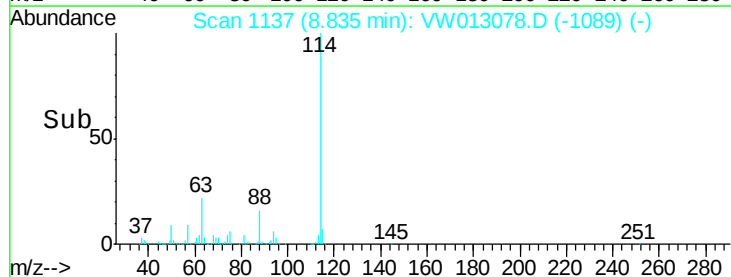
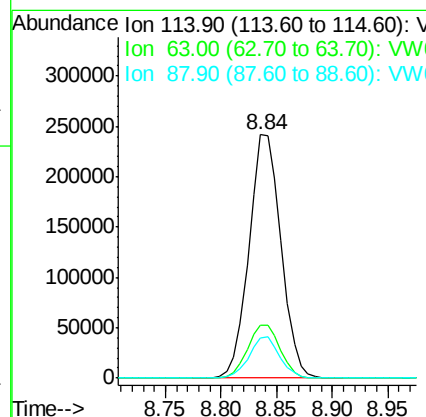
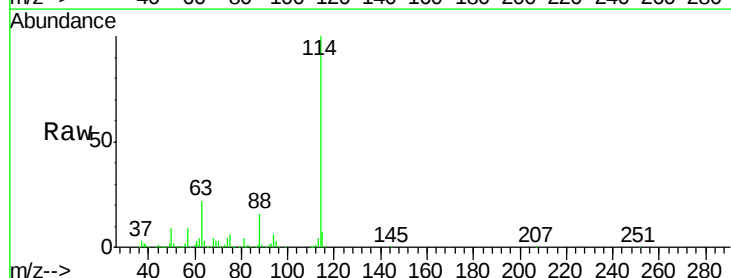
Tgt Ion: 114 Resp: 483975

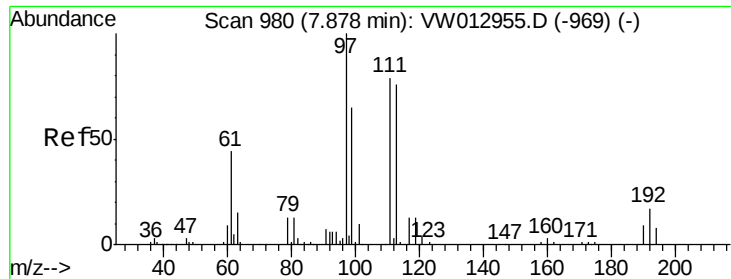
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.5 0.0 31.6





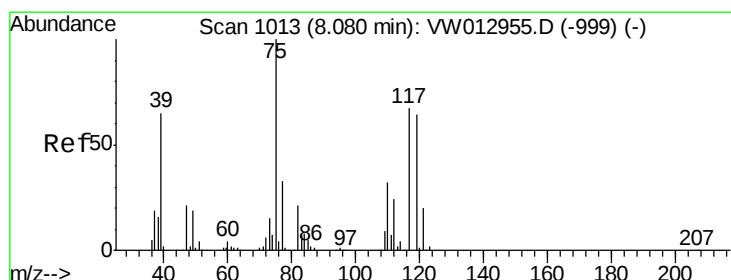
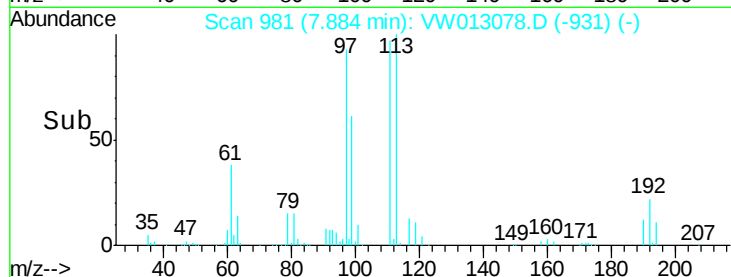
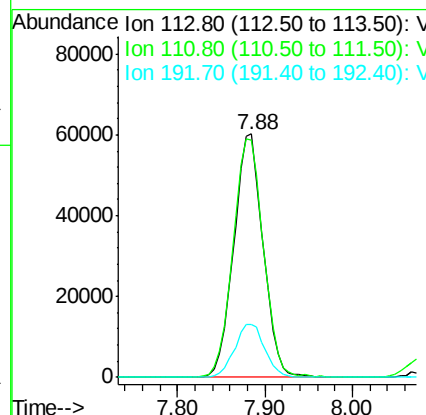
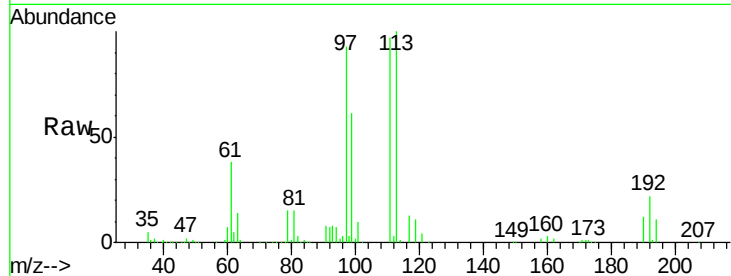
#35
 Dibromofluoromethane
 Concen: 53.498 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140491		
111	101.7	82.8	124.2	
192	22.5	17.8	26.8	

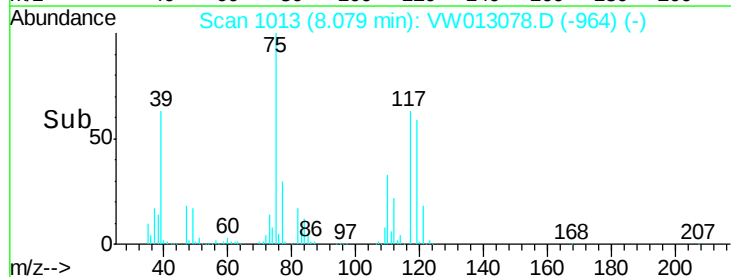
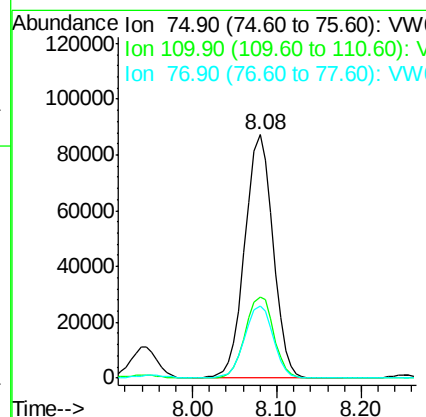
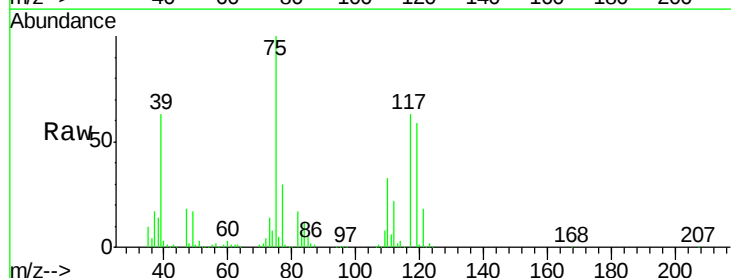
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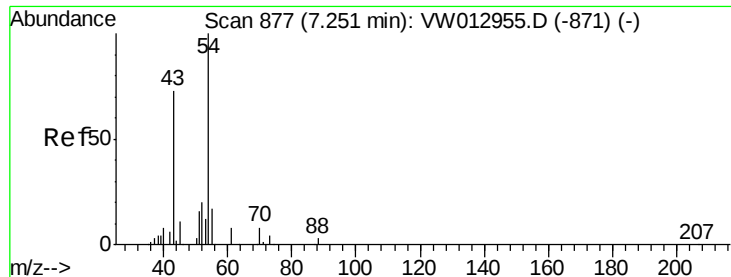
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#36
 1,1-Dichloropropene
 Concen: 50.896 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196833		
110	33.7	16.4	49.1	
77	30.4	25.1	37.7	





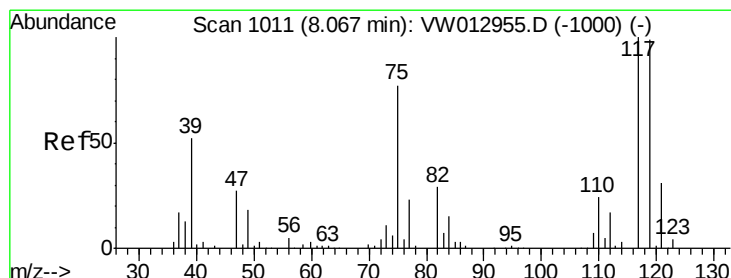
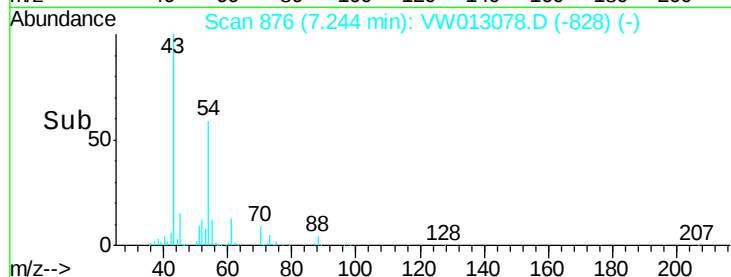
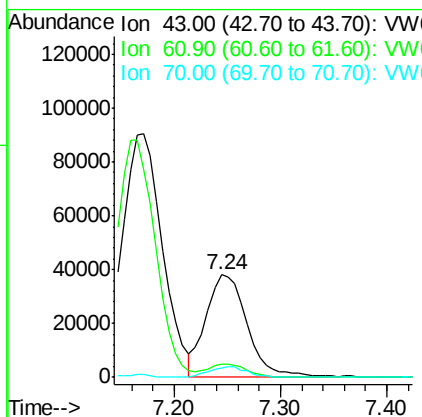
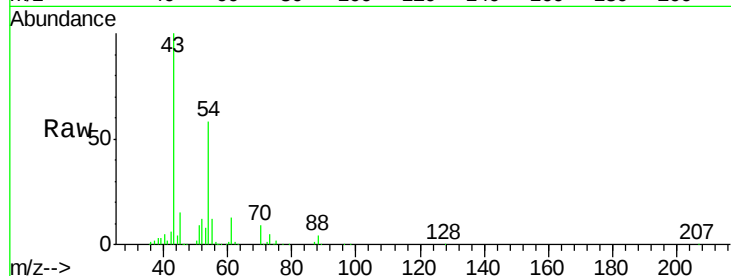
#37
Ethyl Acetate
Concen: 48.853 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	100284
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.6	14.4
70	9.9	7.6	11.4

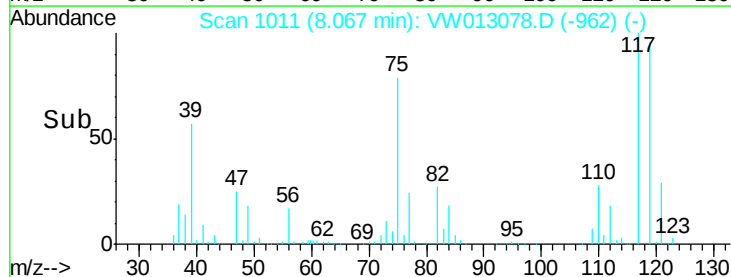
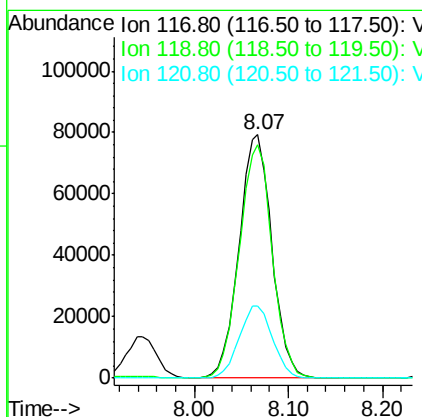
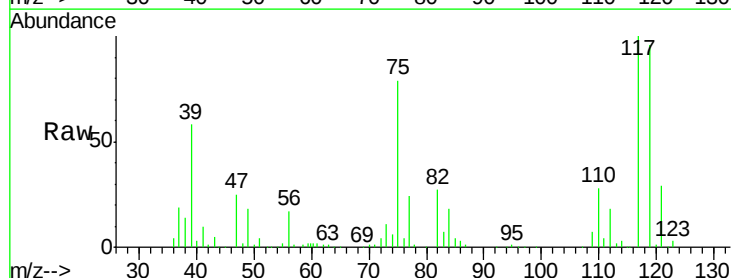
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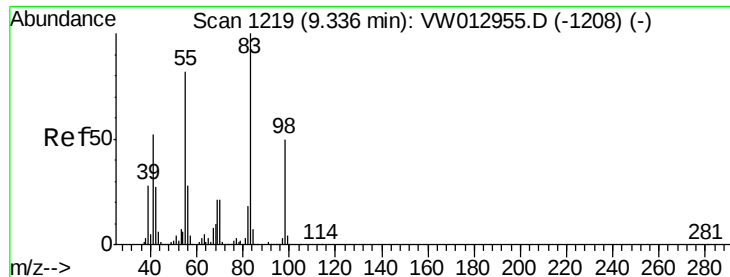
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#38
Carbon Tetrachloride
Concen: 48.772 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	117	Resp	193294
Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.4	119.0
121	29.4	24.6	36.8





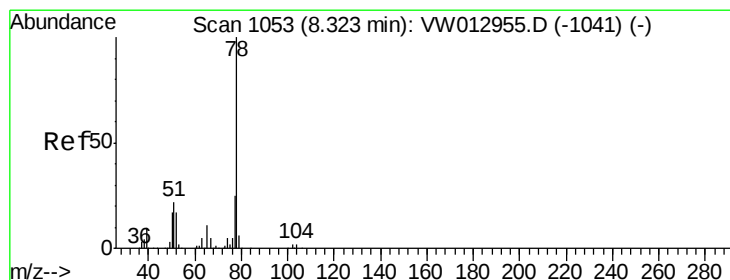
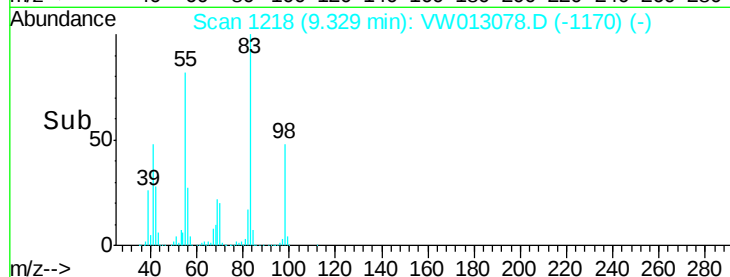
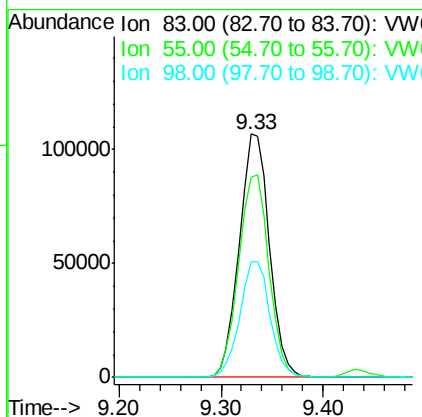
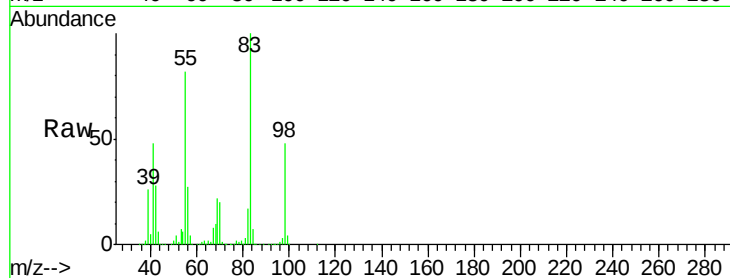
#39
Methylvlcvclohexane
Concen: 51.833 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	65.9	98.9
98	47.7	39.6	59.4

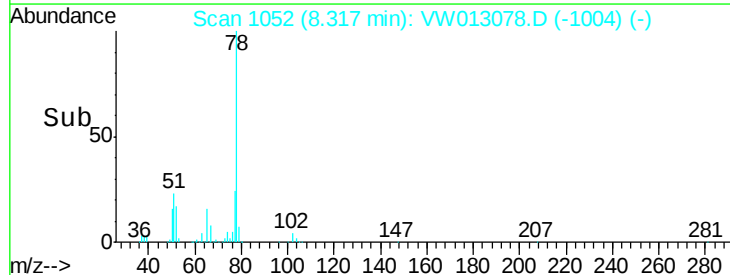
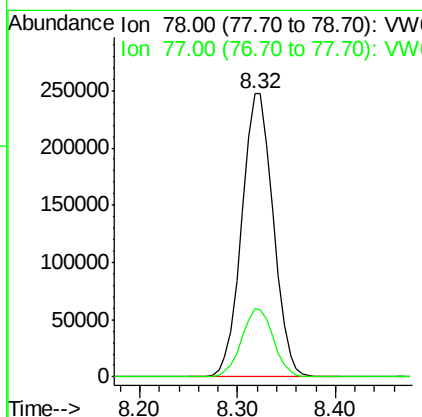
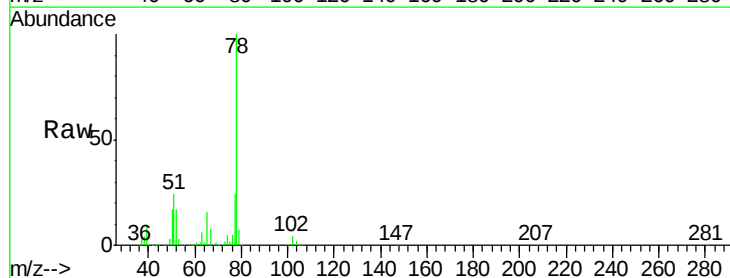
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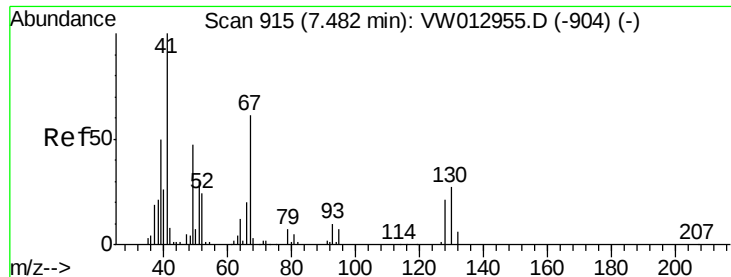
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#40
Benzene
Concen: 51.190 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





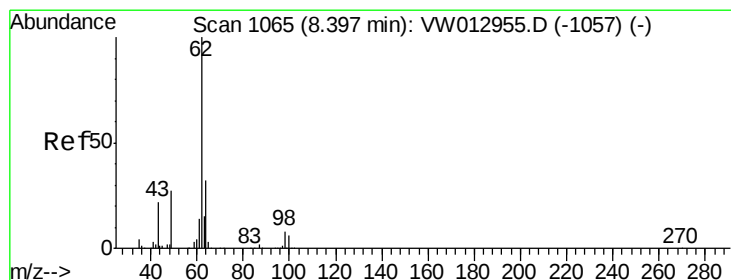
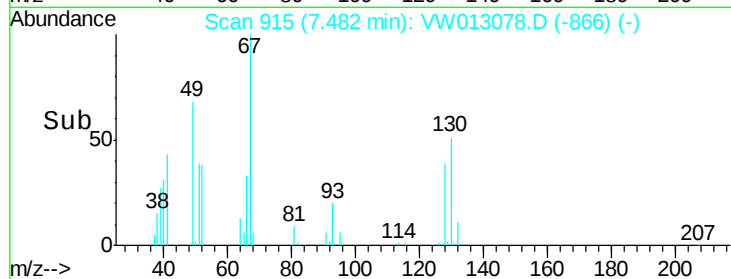
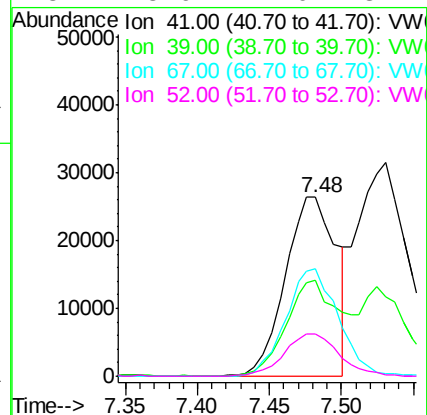
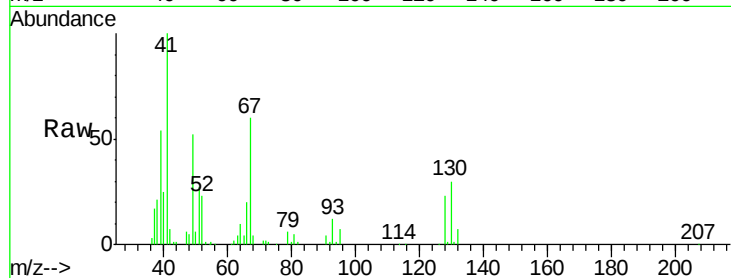
#41
Methacrylonitrile
Concen: 48.235 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65205		
39	61.1	48.2	72.4		
67	61.7	47.5	71.3		
52	25.9	21.0	31.4		

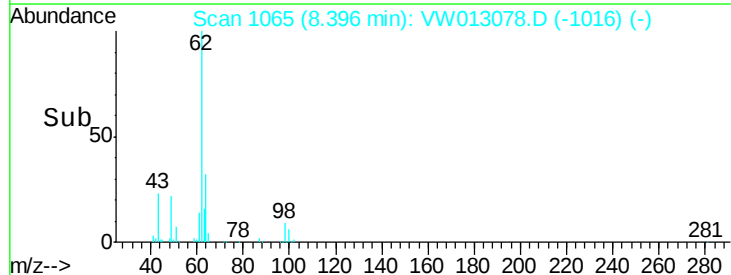
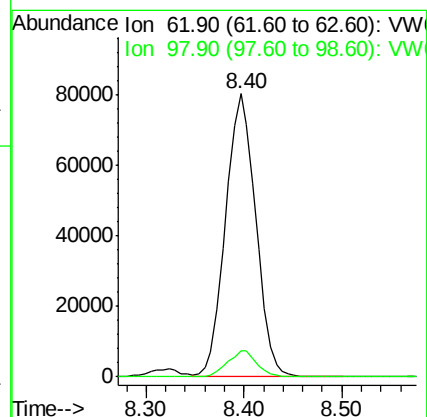
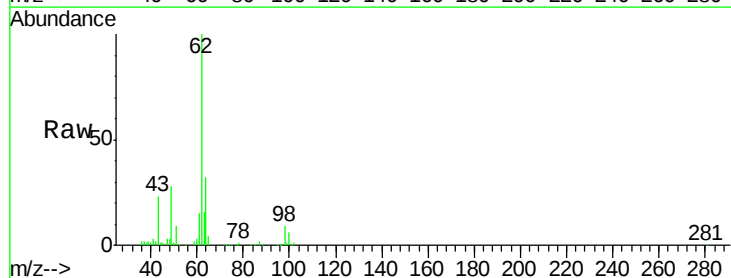
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#42
1,2-Dichloroethane
Concen: 47.577 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		172191		
98	9.1	0.0	16.8		





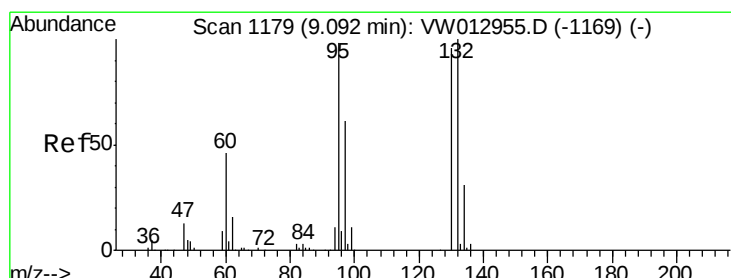
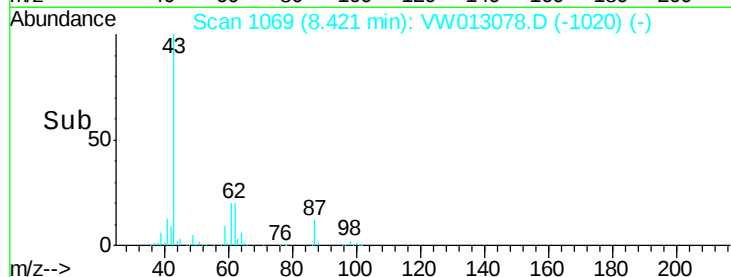
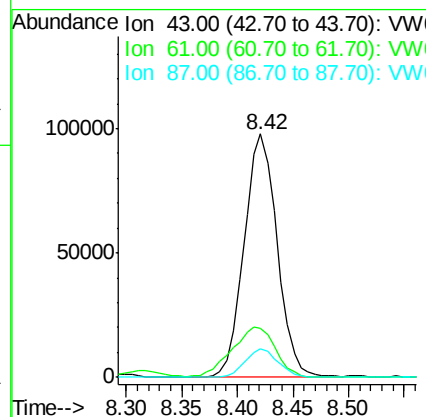
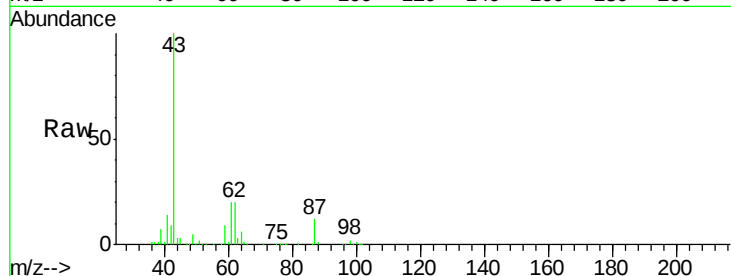
#43
Isopropyl Acetate
Concen: 51.114 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	201458		
61	27.0		22.7	34.1
87	11.6		9.4	14.2

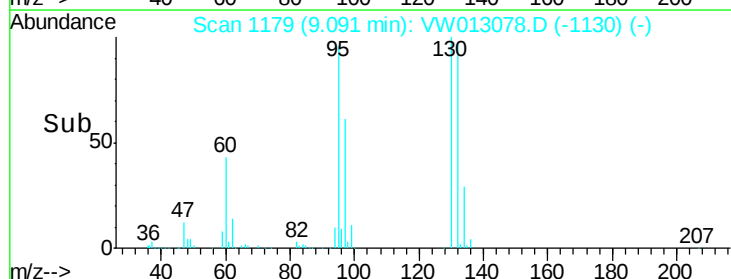
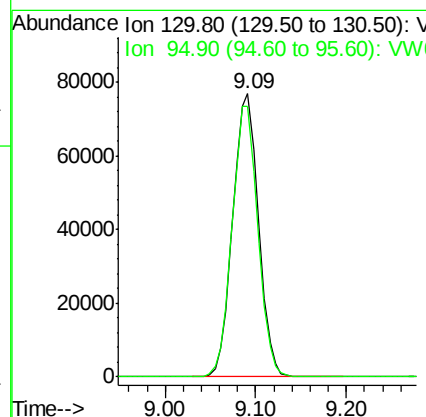
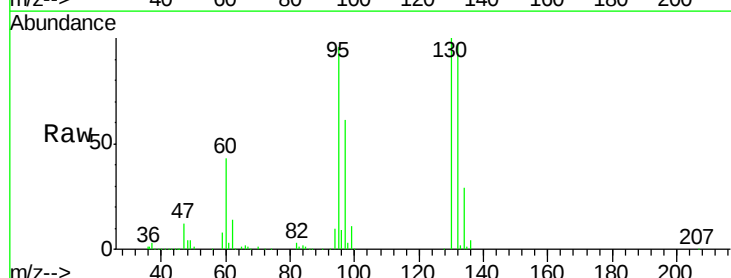
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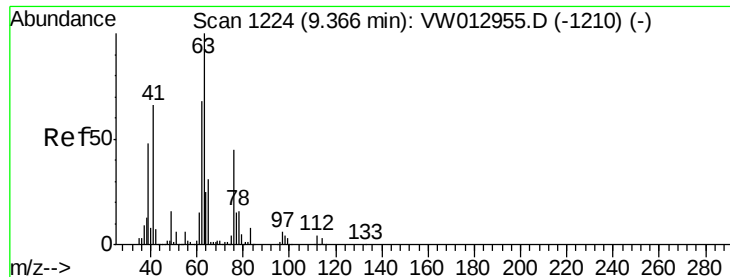
MMDadoda
9/19/2019 1:27:19 AM



#44
Trichloroethene
Concen: 51.226 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	151488		
95	95.6		0.0	204.4





#45

1,2-Dichloropropane

Concen: 53.143 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 152438

Ion Ratio Lower Upper

63 100

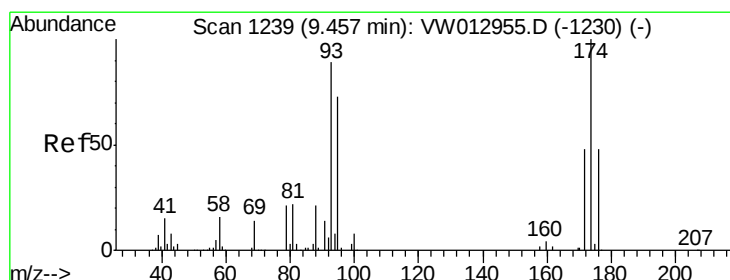
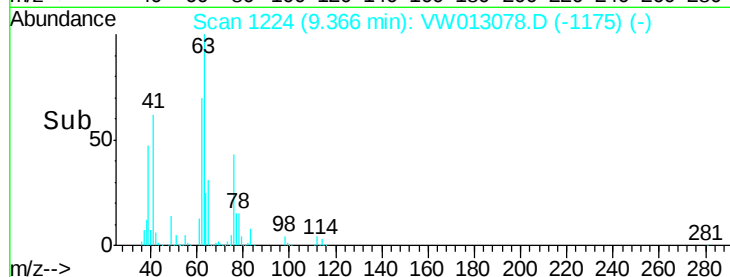
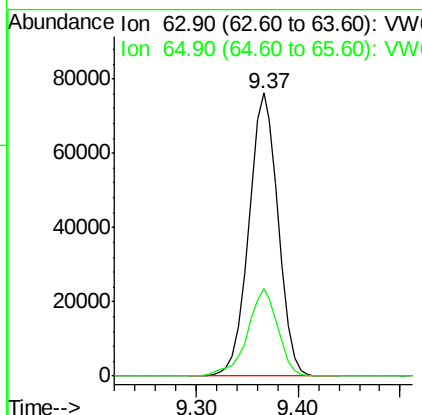
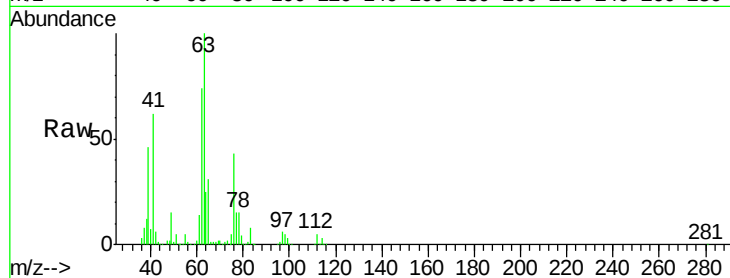
65 31.0 24.6 37.0

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#46

Dibromomethane

Concen: 50.306 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

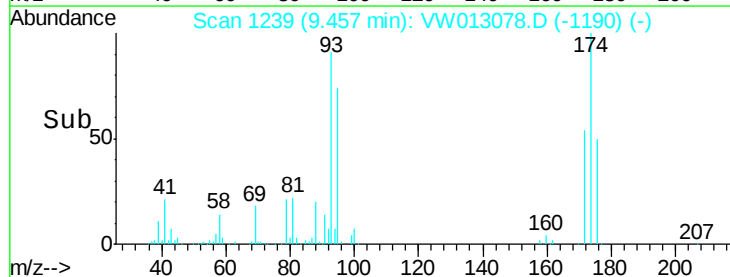
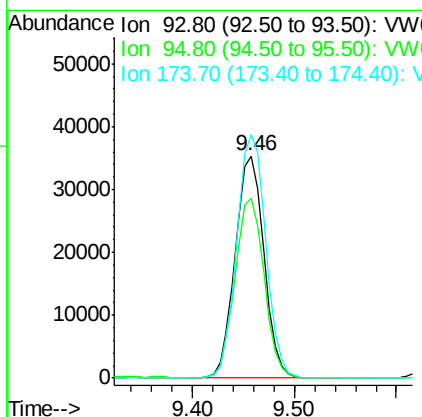
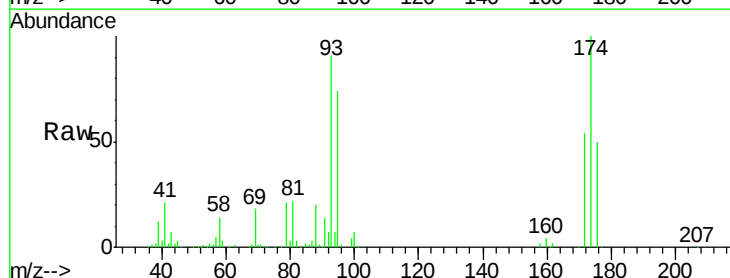
Tgt Ion: 93 Resp: 69134

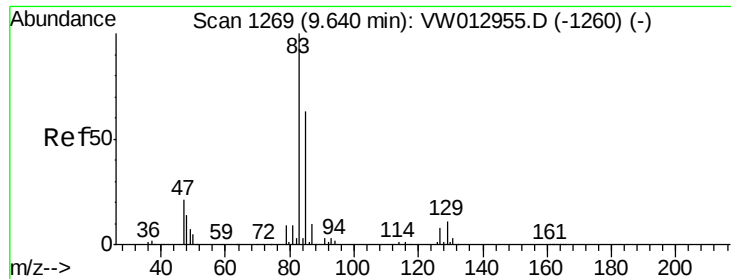
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.4

174 110.2 90.5 135.7





#47

Bromodichloromethane

Concen: 51.799 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

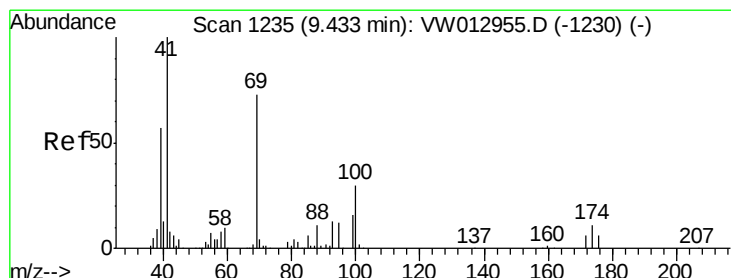
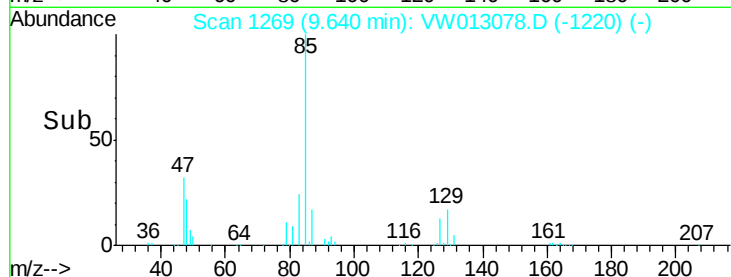
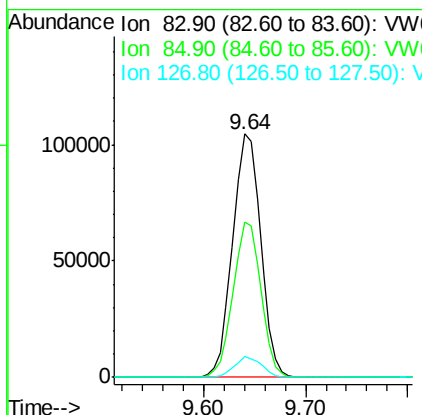
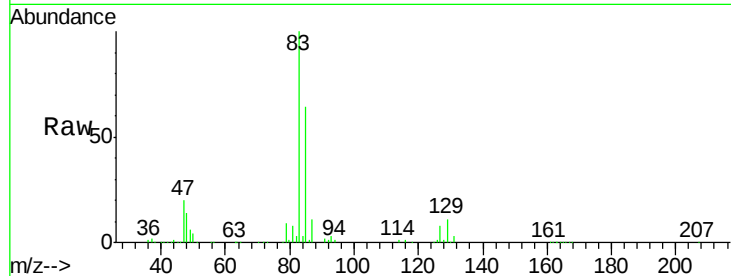
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	199675
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8
127	8.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 50.412 ug/l

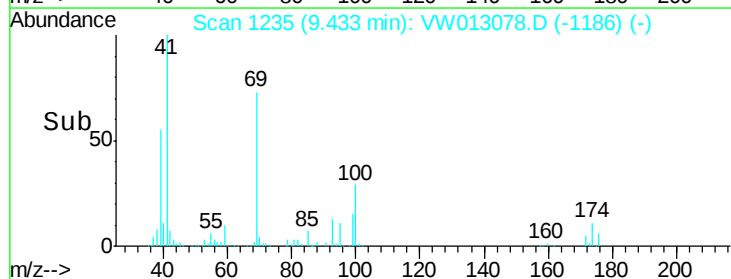
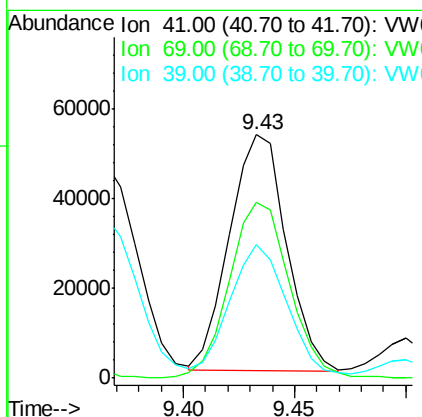
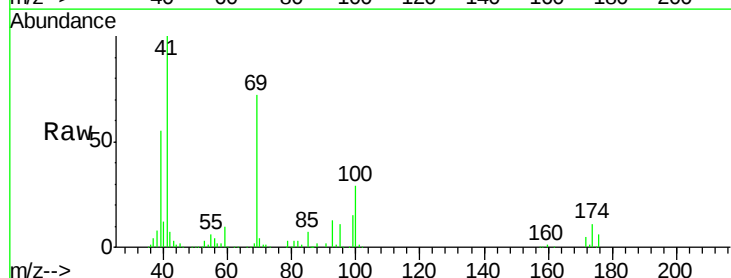
RT: 9.43 min Scan# 1235

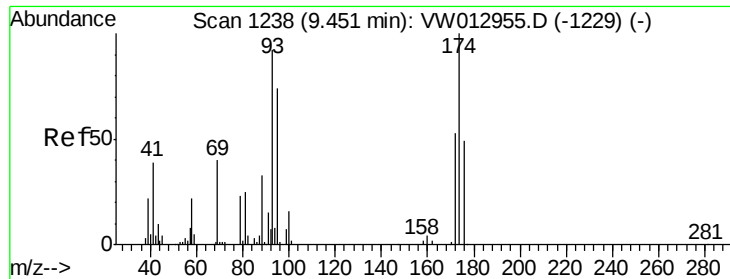
Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Tgt Ion:	41	Resp:	93250
Ion	Ratio	Lower	Upper
41	100		
69	79.1	62.8	94.2
39	58.0	48.5	72.7





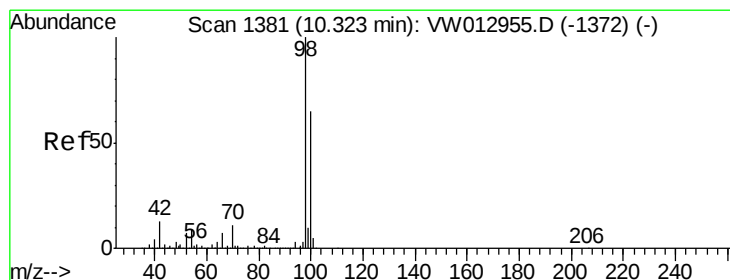
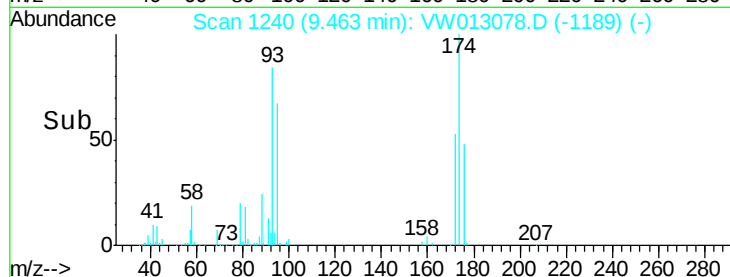
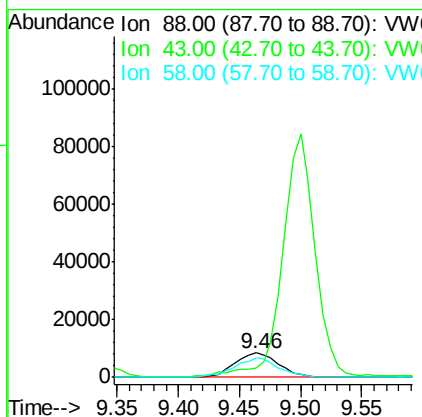
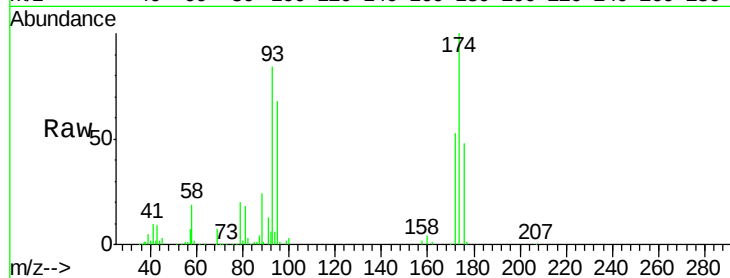
#49
1,4-Dioxane
Concen: 913.208 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	21029
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	80.4	60.2	90.2

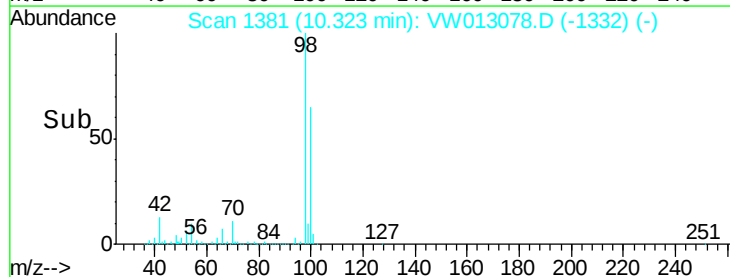
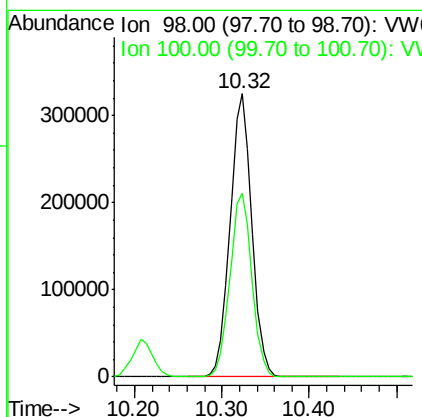
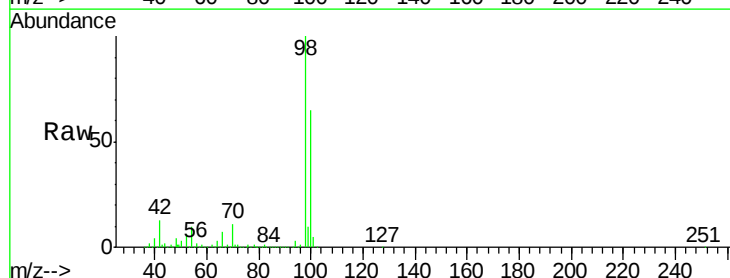
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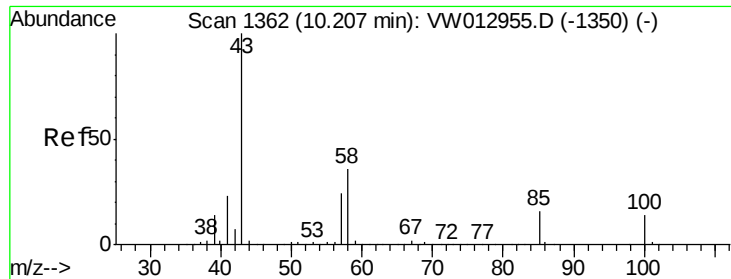
MMDadoda
9/19/2019 1:27:19 AM



#50
Toluene-d8
Concen: 54.600 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	98	Resp	561087
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 252.002 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 512783

Ion Ratio Lower Upper

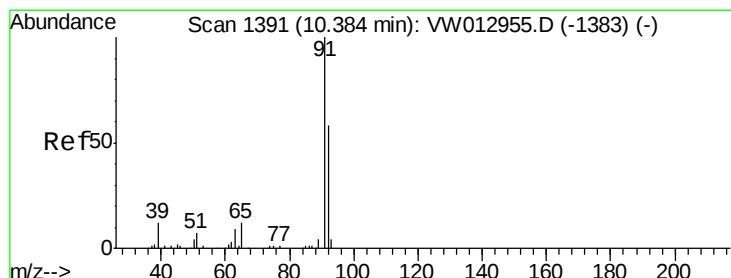
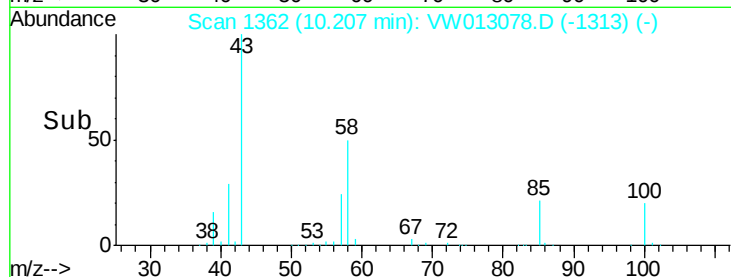
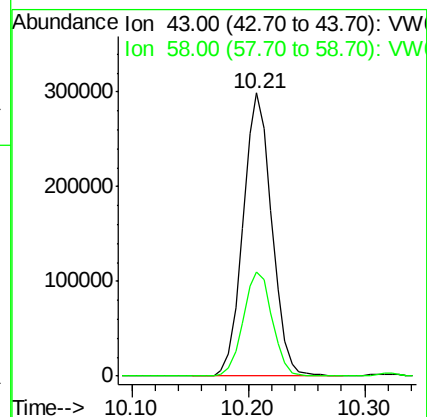
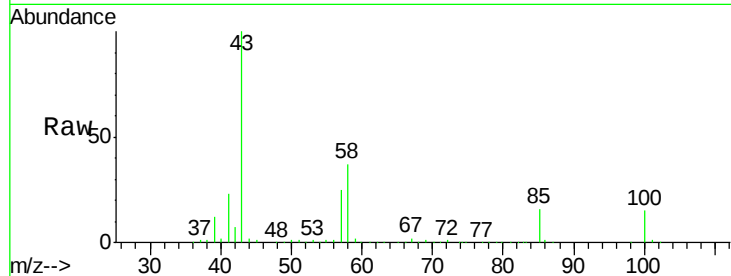
43 100

58 37.5 29.5 44.3

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#52

Toluene

Concen: 52.158 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013078.D

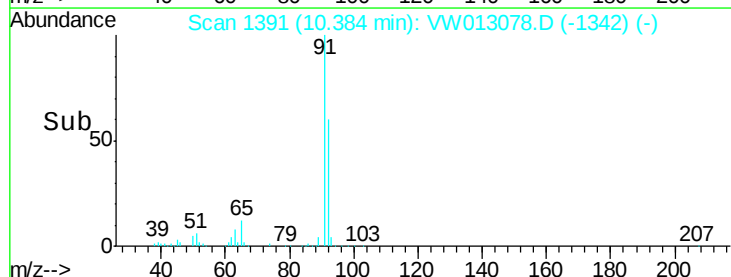
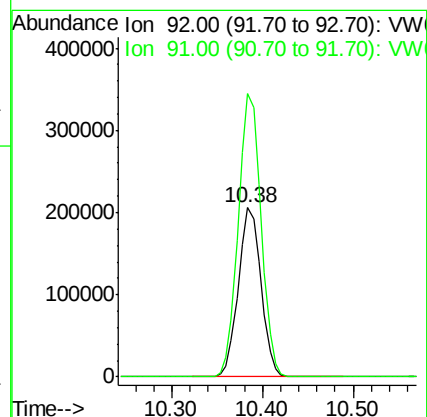
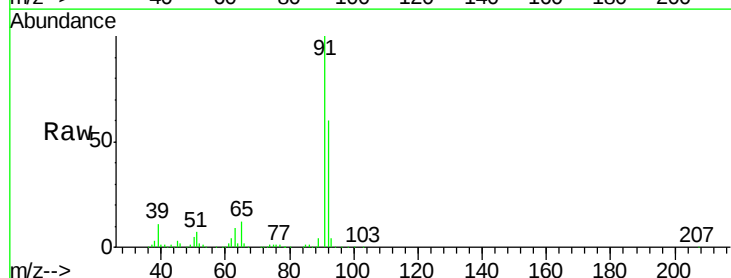
Acq: 17 Sep 2019 09:42

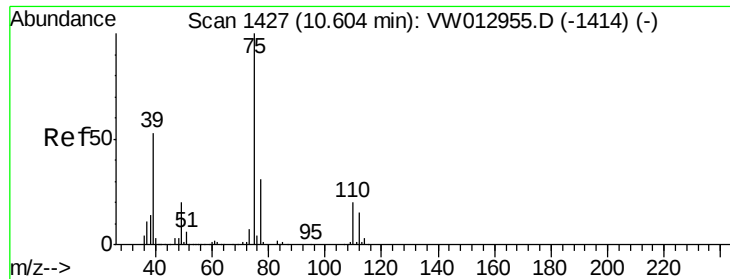
Tgt Ion: 92 Resp: 357832

Ion Ratio Lower Upper

92 100

91 168.5 137.5 206.3





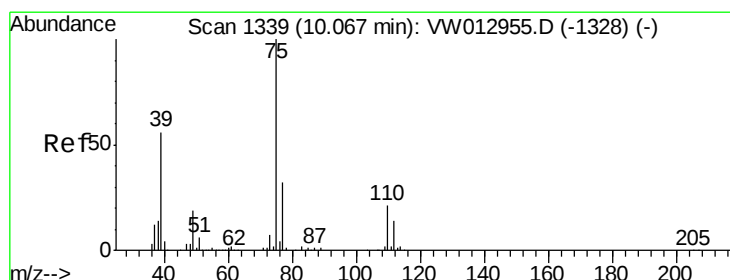
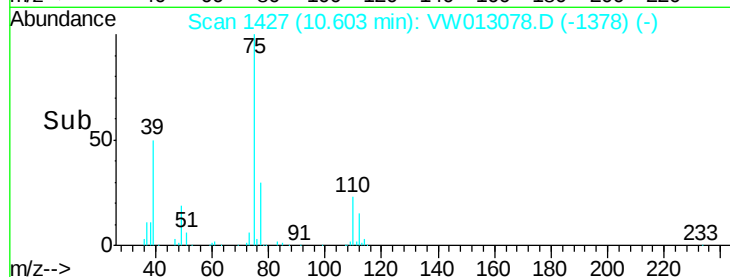
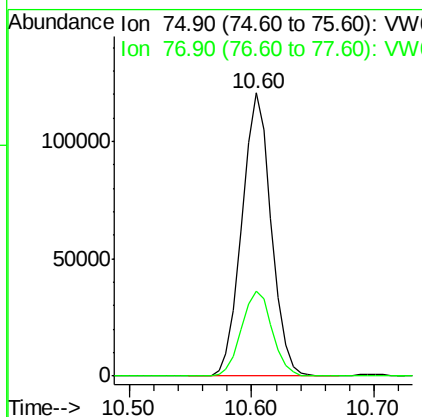
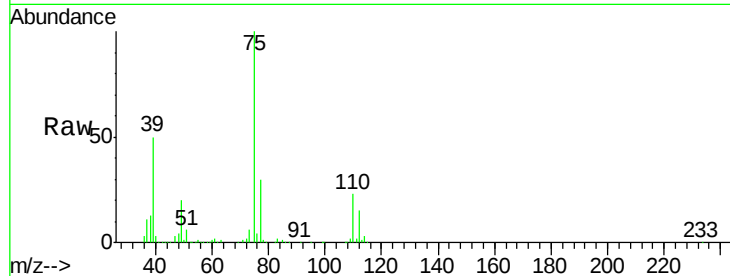
#53
t-1,3-Dichloropropene
Concen: 51.738 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 200582
Ion Ratio Lower Upper
75 100
77 29.8 24.6 37.0

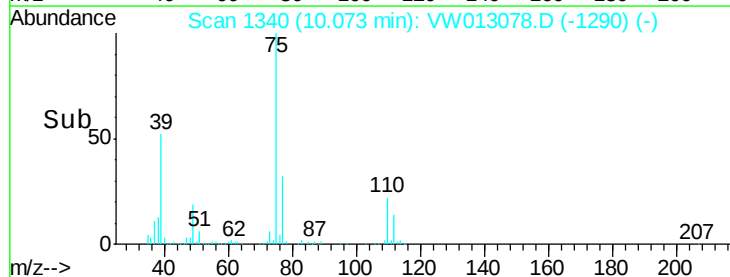
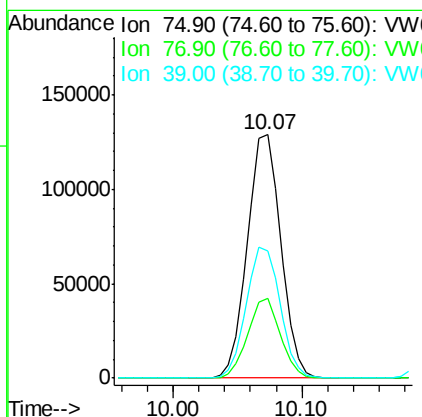
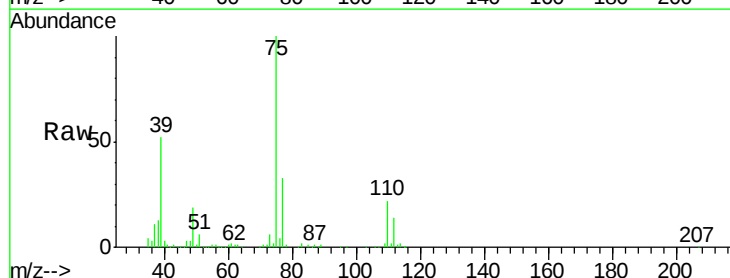
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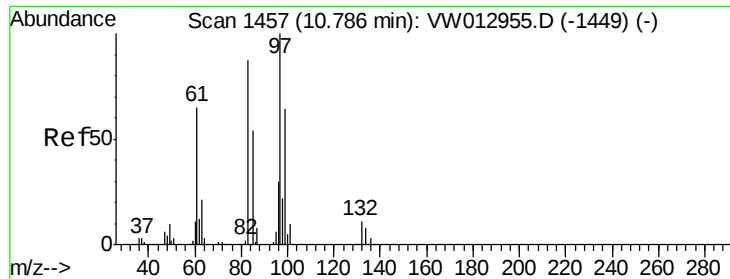
MMDadoda
9/19/2019 1:27:19 AM



#54
cis-1,3-Dichloropropene
Concen: 52.351 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion: 75 Resp: 232222
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3
39 52.0 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 50.963 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

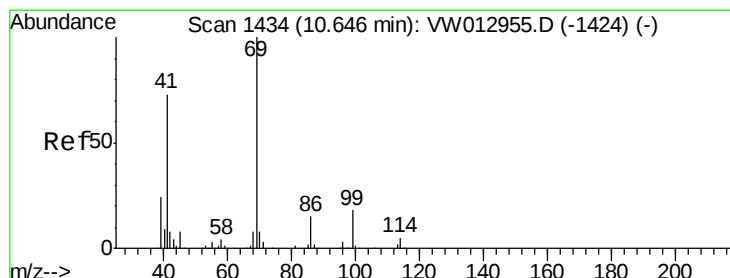
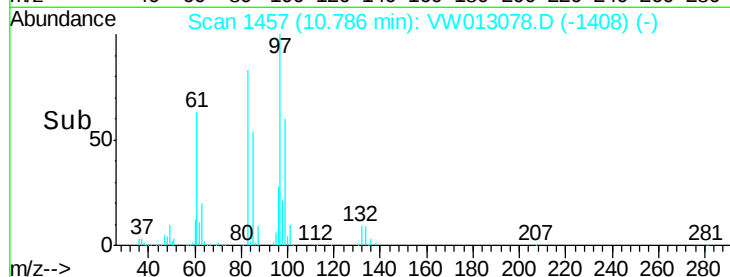
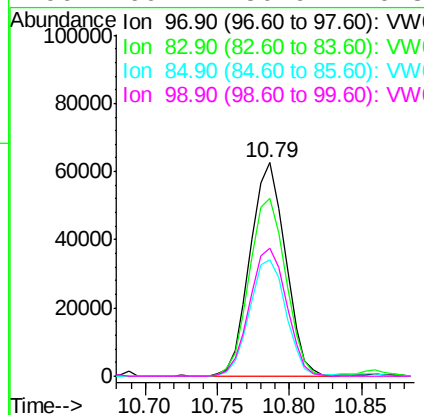
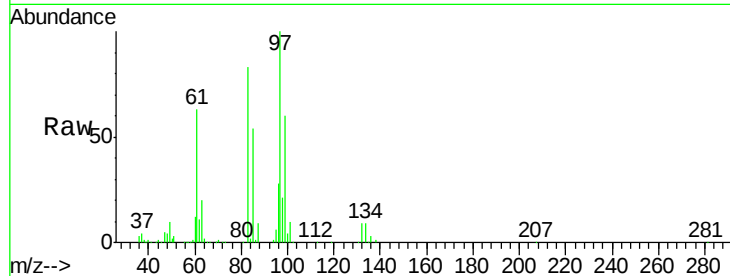
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	106694
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.4	104.0
85	54.5	43.3	64.9
99	60.1	50.9	76.3

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#56

Ethyl methacrylate

Concen: 53.061 ug/l

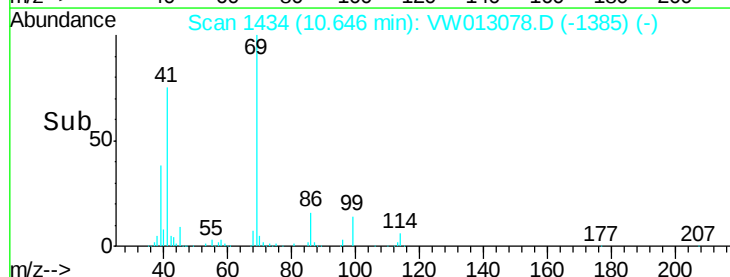
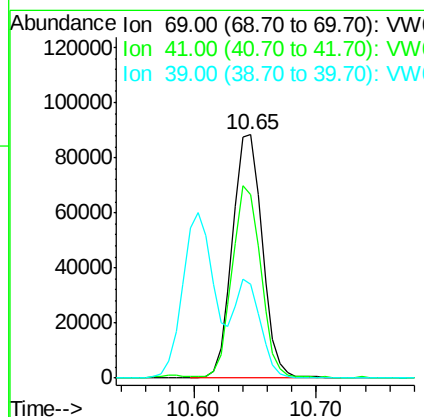
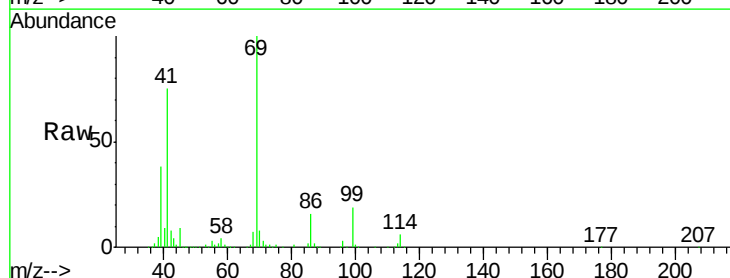
RT: 10.65 min Scan# 1434

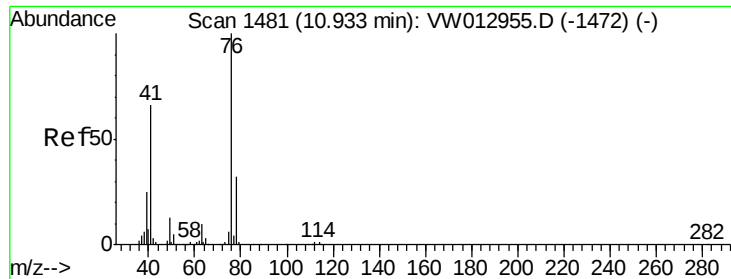
Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Tgt Ion	69	Resp	149524
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.8	91.2
39	34.2	29.4	44.0





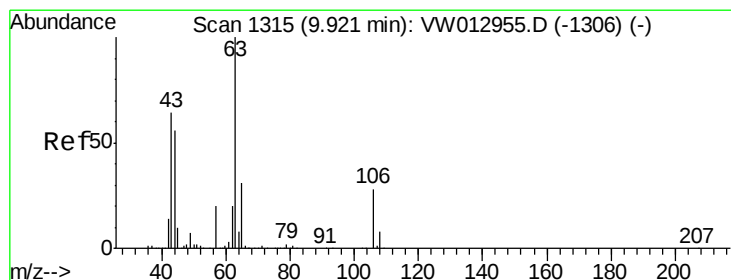
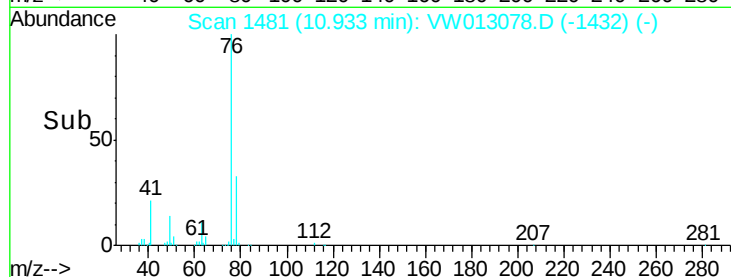
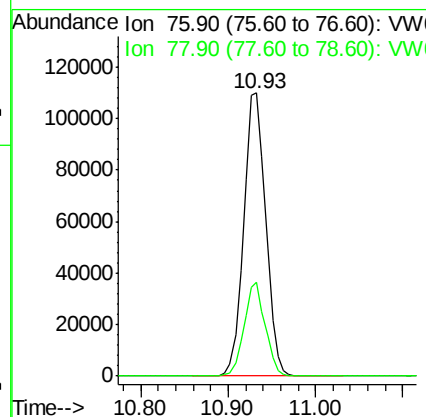
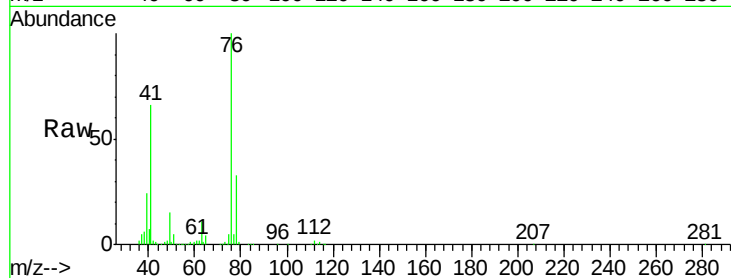
#57
 1,3-Dichloropropane
 Concen: 51.788 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.6	38.4

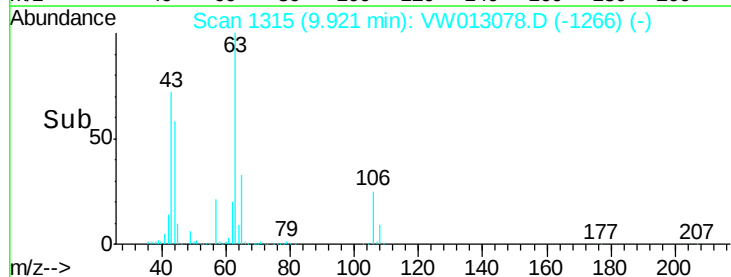
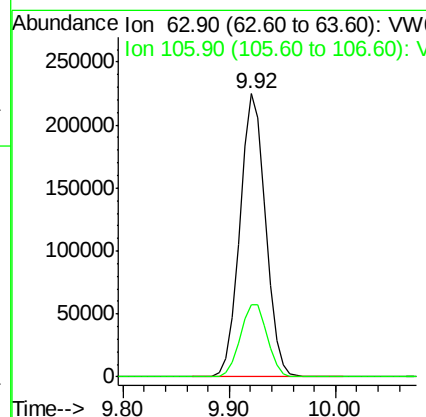
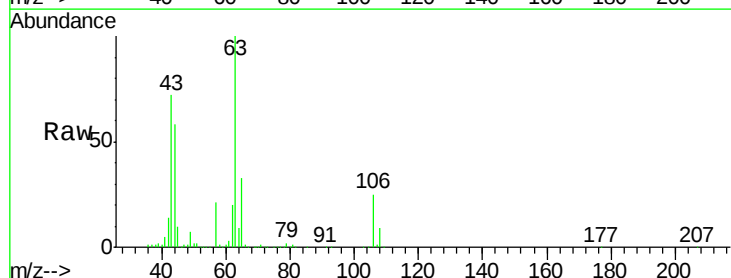
Manual Integrations
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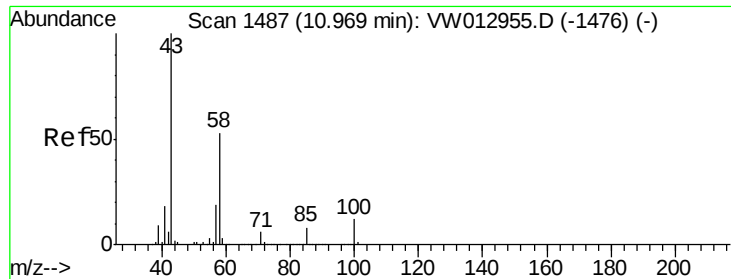
MMDadoda
 9/19/2019 1:27:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.799 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	22.2	33.2





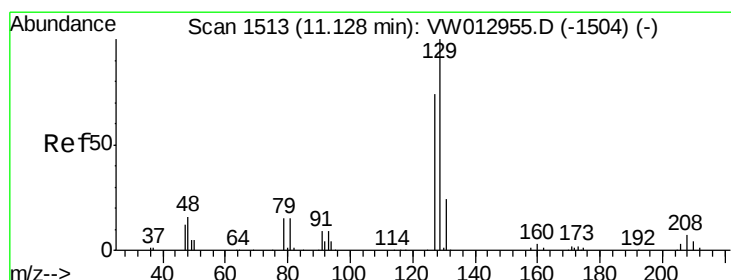
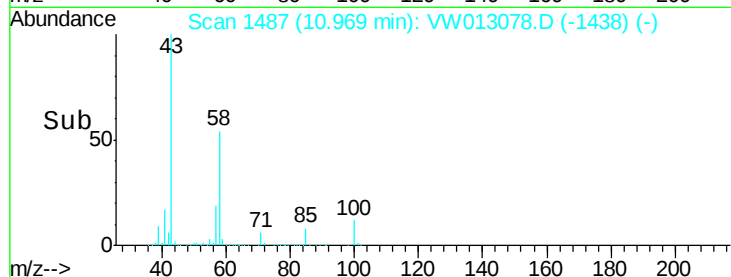
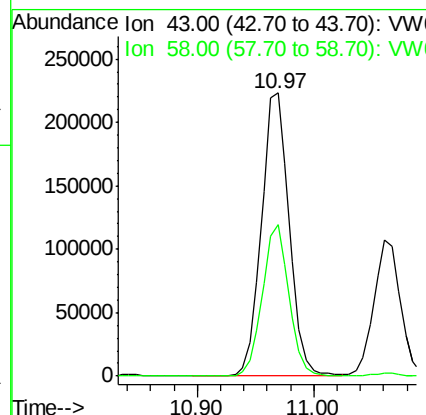
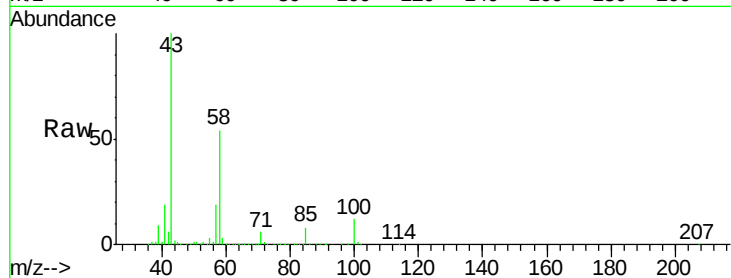
#59
2-Hexanone
Concen: 262.492 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 371919
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

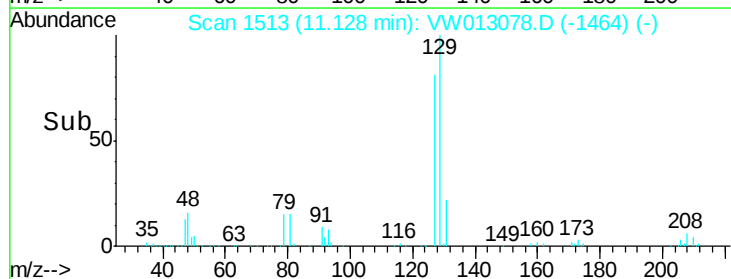
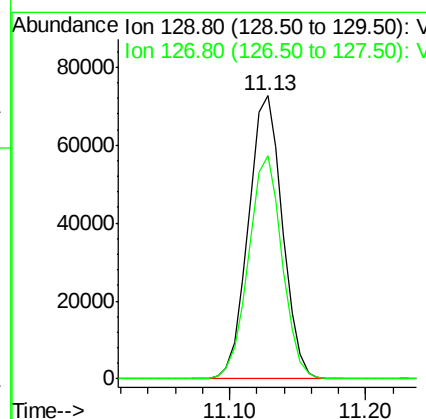
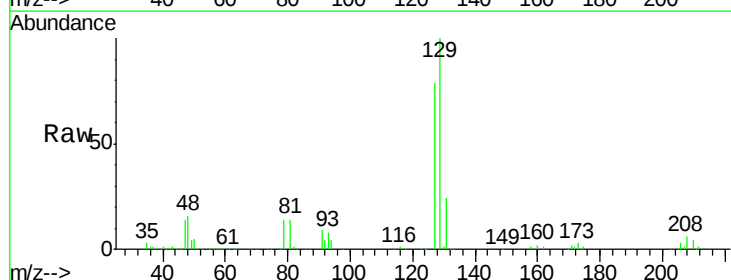
Manual Integrations
APPROVED

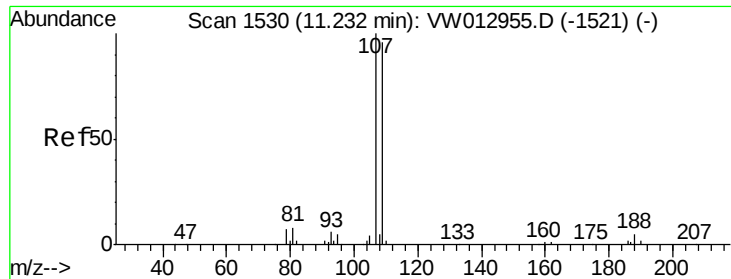
MMDadoda
9/19/2019 1:27:19 AM



#60
Dibromochloromethane
Concen: 50.398 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion: 129 Resp: 127561
Ion Ratio Lower Upper
129 100
127 78.0 37.4 112.2





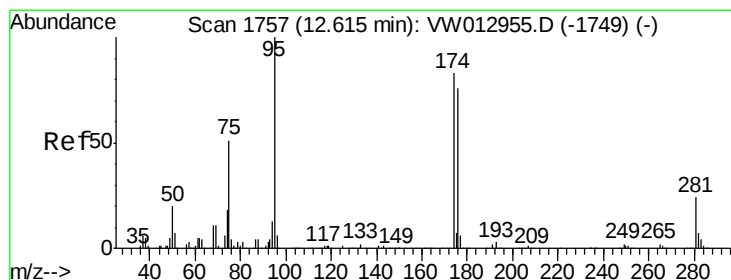
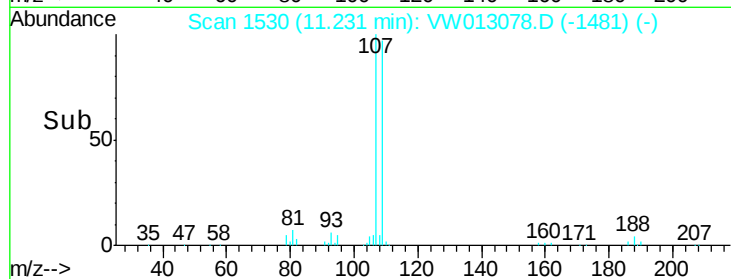
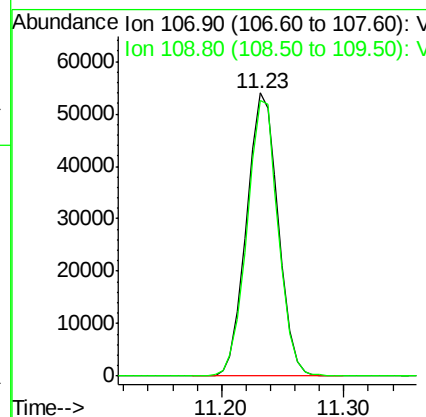
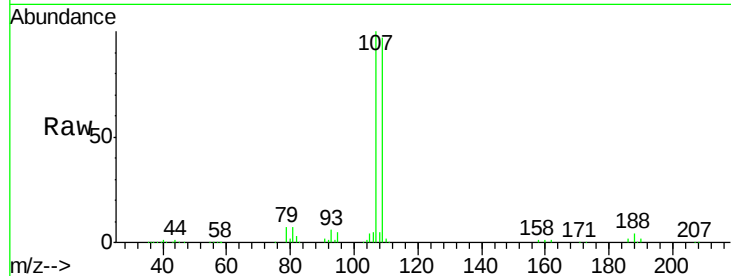
#61
 1,2-Dibromoethane
 Concen: 50.625 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.0	112.6

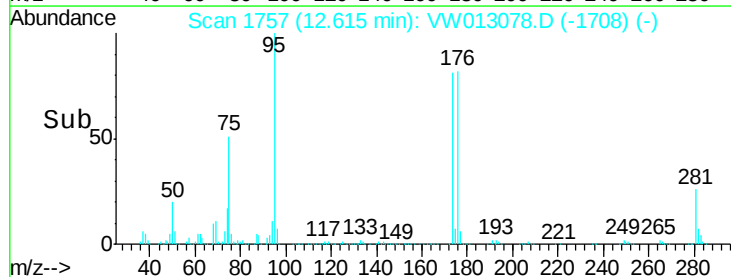
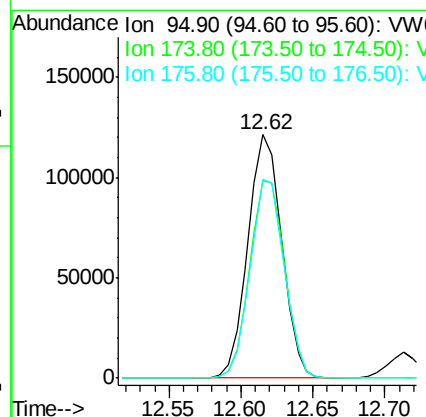
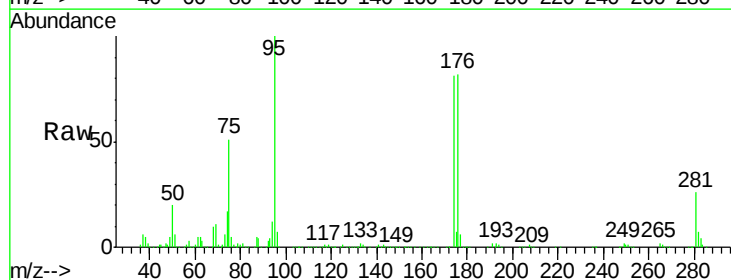
Manual Integrations
 APPROVED

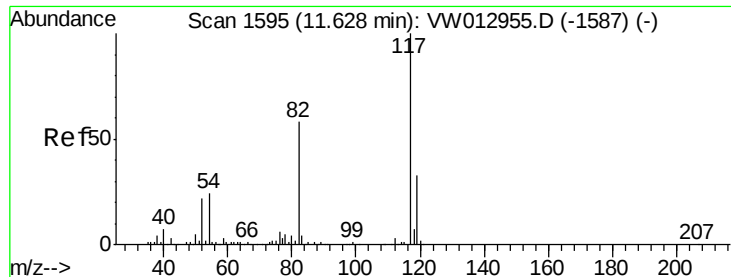
MMDadoda
 9/19/2019 1:27:19 AM



#62
 4-Bromofluorobenzene
 Concen: 53.392 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.4
176	82.0	0.0	164.6





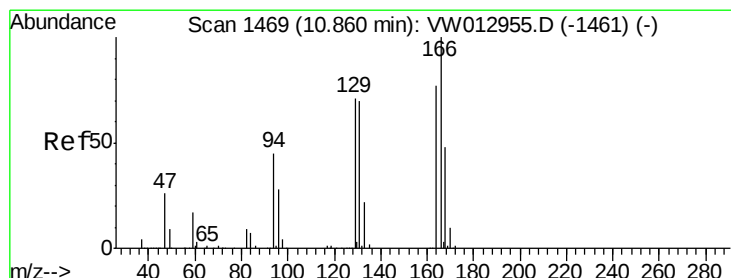
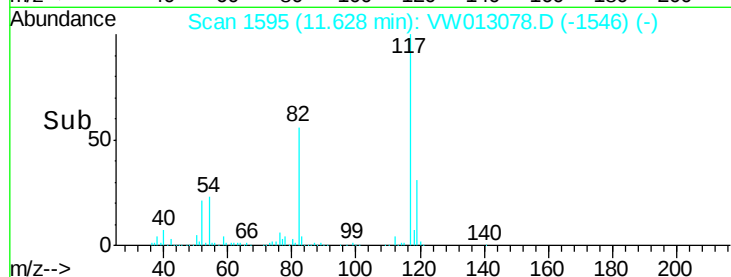
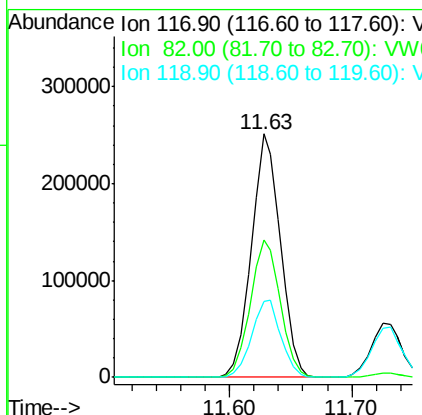
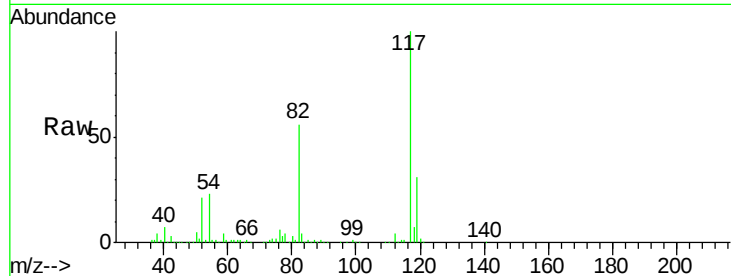
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415178		
82	56.2	46.3	69.5	
119	31.2	26.2	39.4	

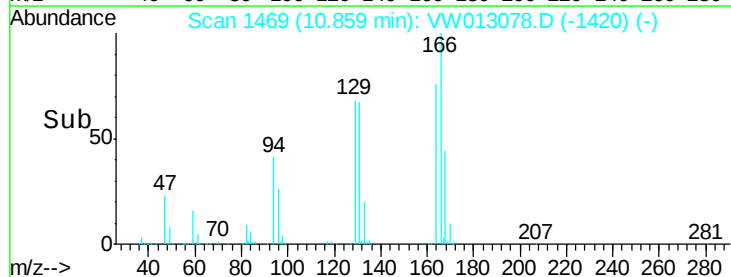
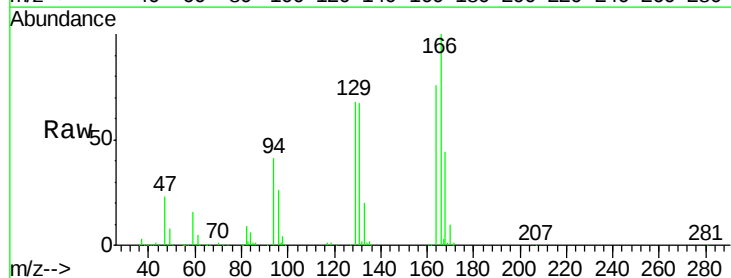
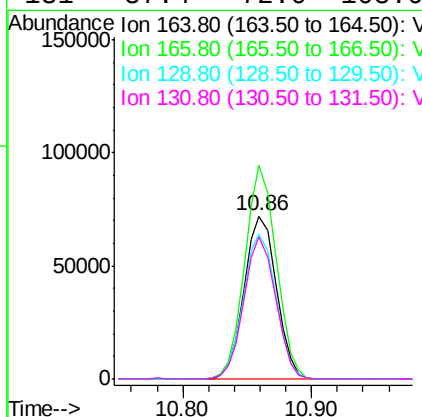
Manual Integrations
APPROVED

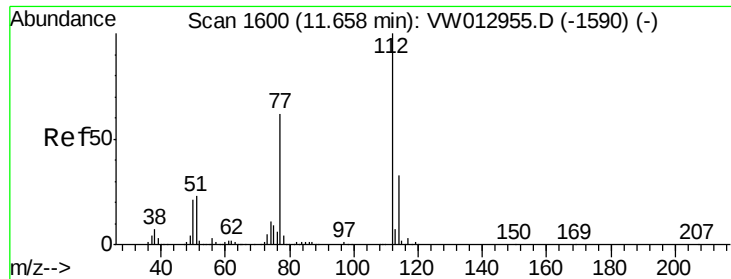
MMDadoda
9/19/2019 1:27:19 AM



#64
Tetrachloroethene
Concen: 50.535 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124818		
166	130.9	103.3	154.9	
129	88.4	73.8	110.8	
131	87.4	72.0	108.0	





#65

Chlorobenzene

Concen: 52.315 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 386885

Ion Ratio Lower Upper

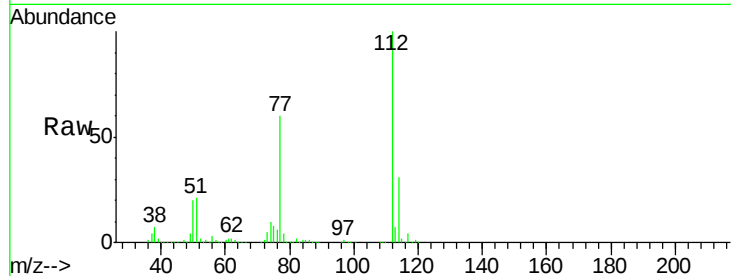
112 100

114 31.2 26.4 39.6

Manual Integrations
APPROVED

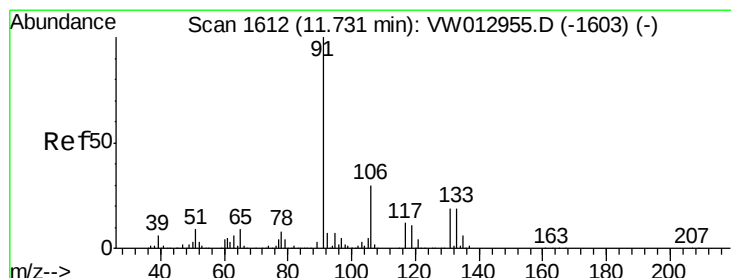
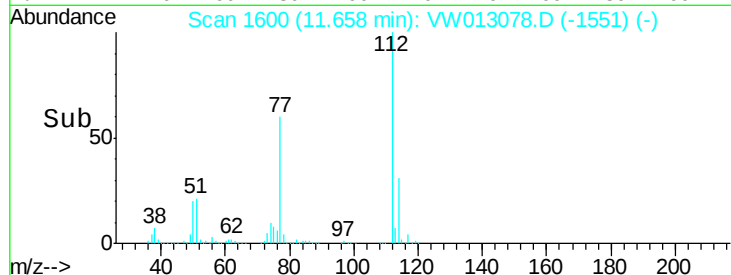
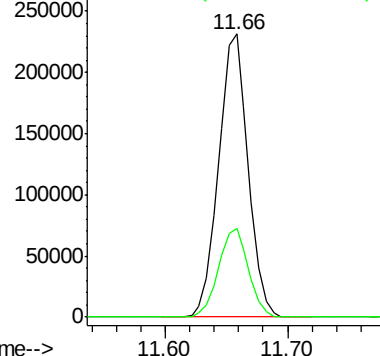
MMDadoda

9/19/2019 1:27:19 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.023 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

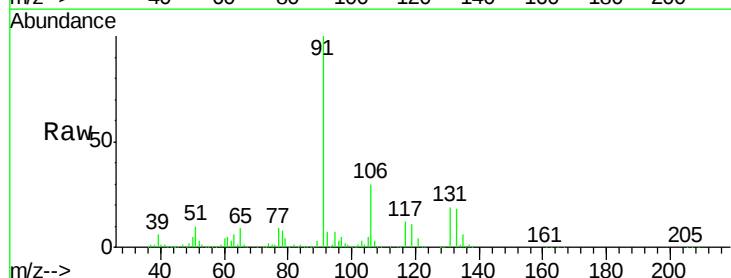
Tgt Ion:131 Resp: 147433

Ion Ratio Lower Upper

131 100

133 93.2 47.9 143.8

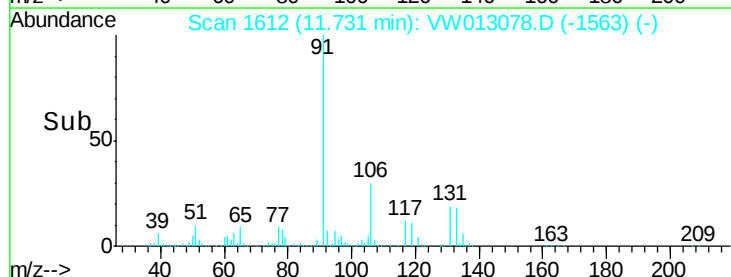
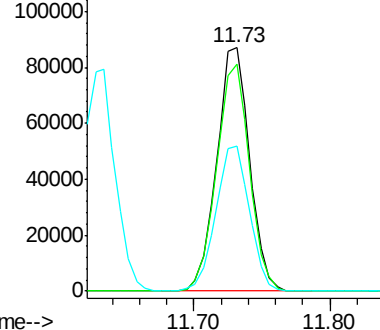
119 61.0 30.9 92.7

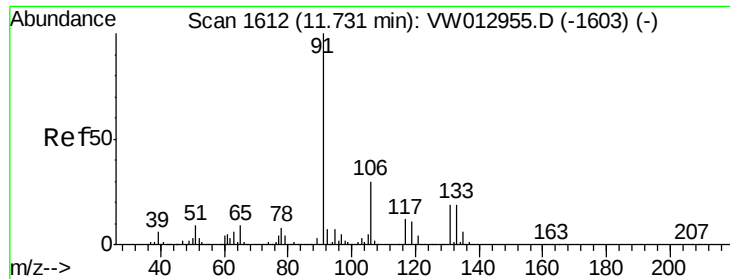


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





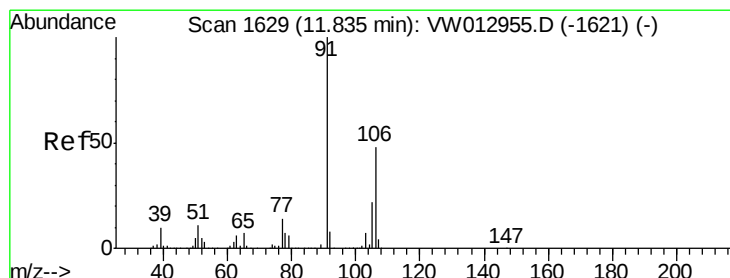
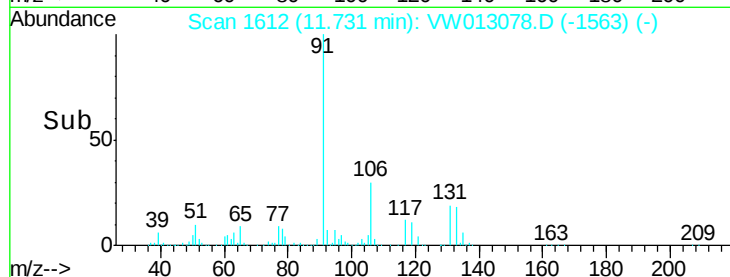
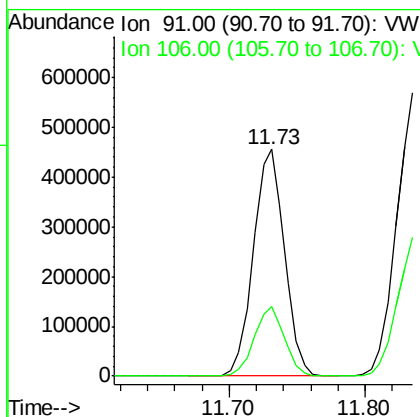
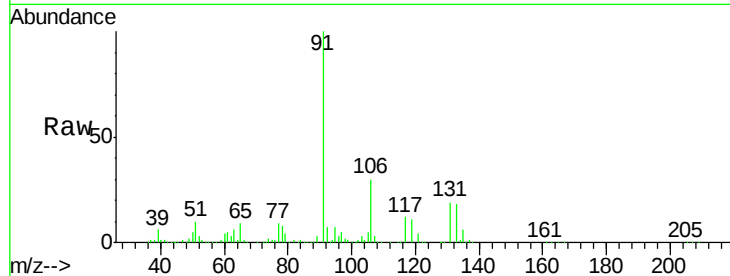
#67
Ethyl Benzene
Concen: 53.507 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 730809
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

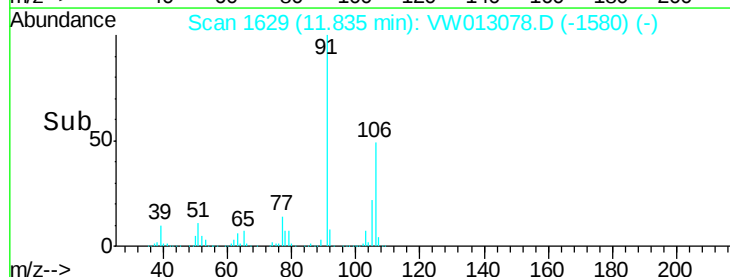
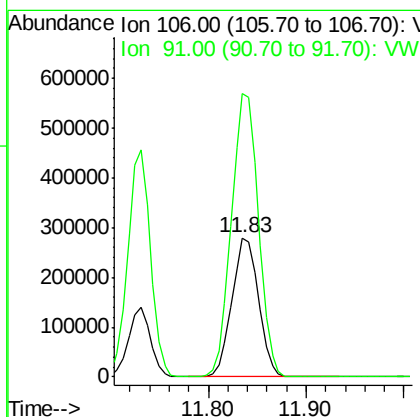
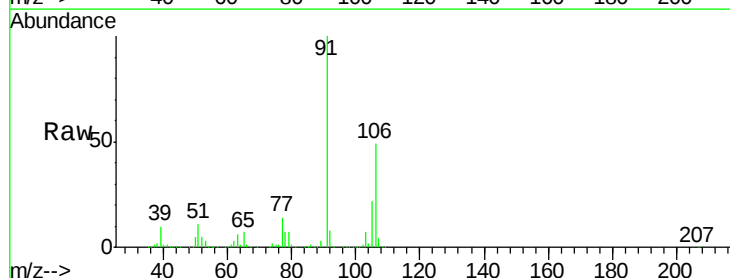
Manual Integrations
APPROVED

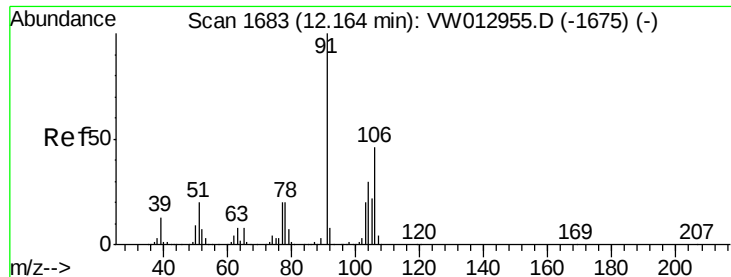
MMDadoda
9/19/2019 1:27:19 AM



#68
m/p-Xylenes
Concen: 105.645 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion: 106 Resp: 527118
Ion Ratio Lower Upper
106 100
91 206.6 165.8 248.8





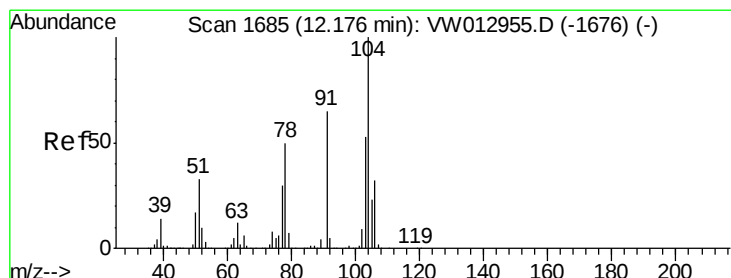
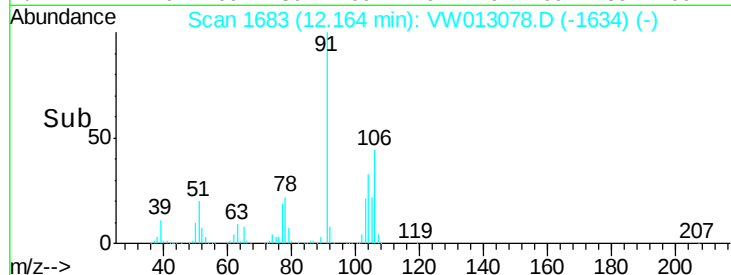
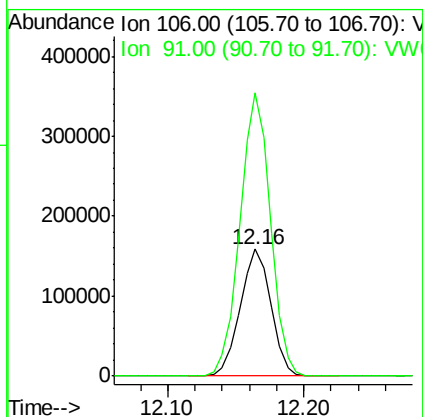
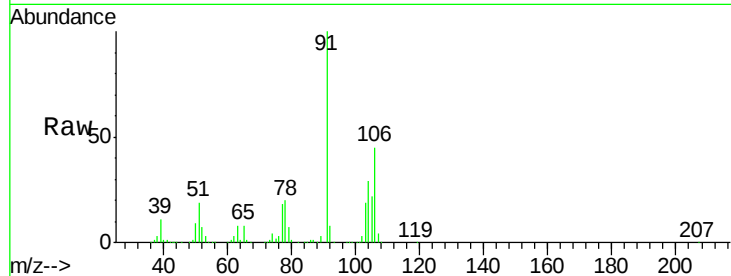
#69
o-Xylene
Concen: 53.538 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 250440
Ion Ratio Lower Upper
106 100
91 220.6 109.7 329.0

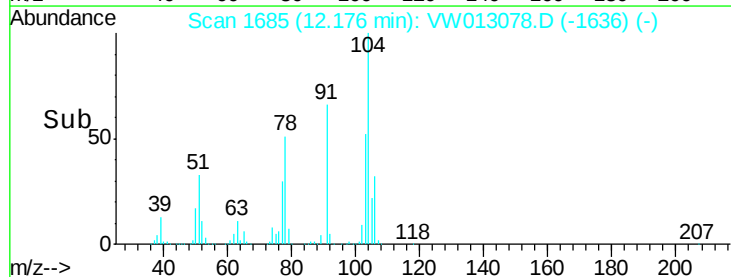
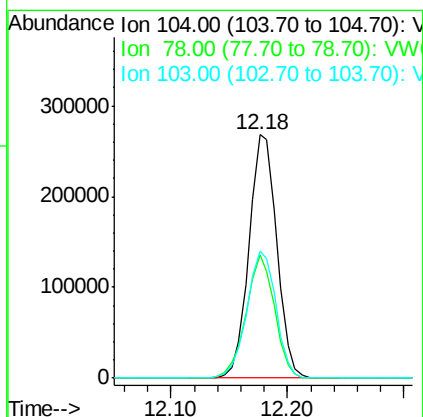
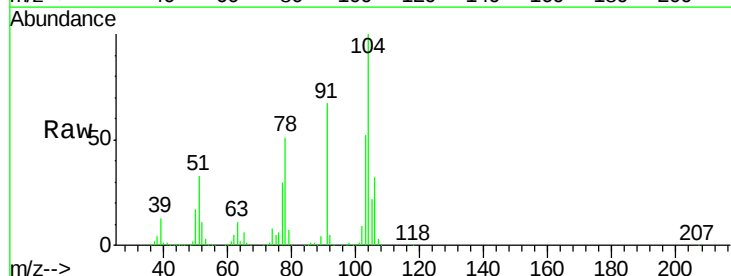
Manual Integrations
APPROVED

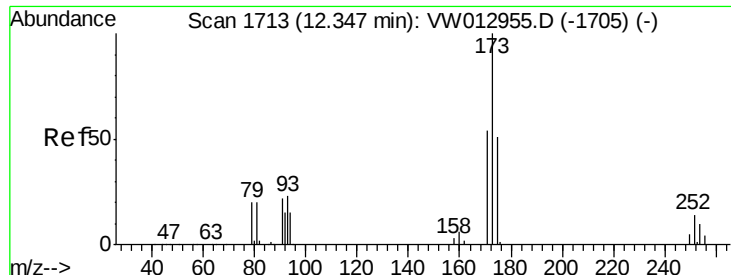
MMDadoda
9/19/2019 1:27:19 AM



#70
Styrene
Concen: 53.752 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion:104 Resp: 447282
Ion Ratio Lower Upper
104 100
78 52.1 42.1 63.1
103 54.9 44.2 66.4





#71

Bromoform

Concen: 51.262 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76309

Ion Ratio Lower Upper

173 100

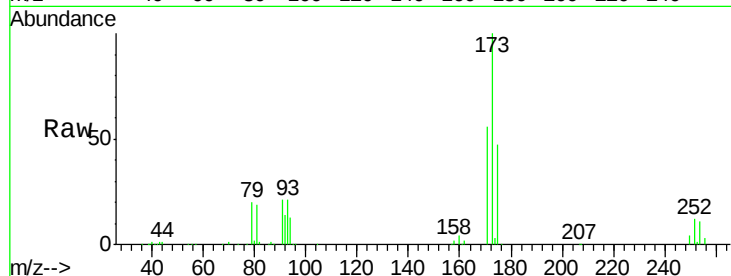
175 48.4 24.2 72.6

254 0.1 0.1 0.1#

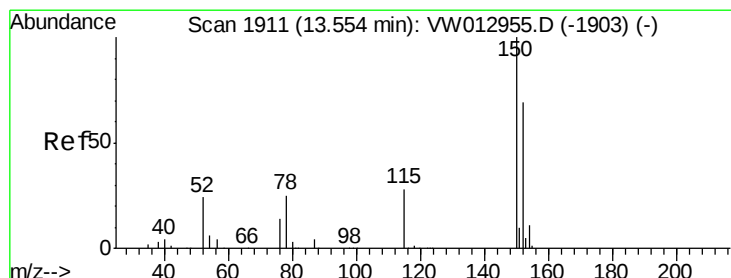
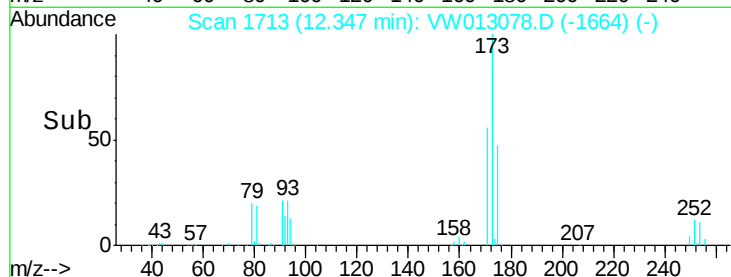
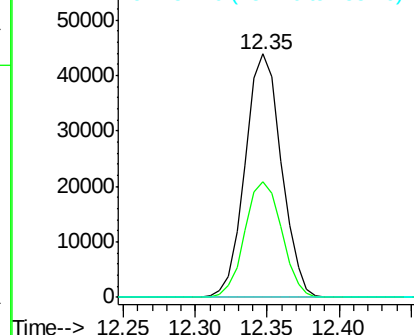
Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:27:19 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

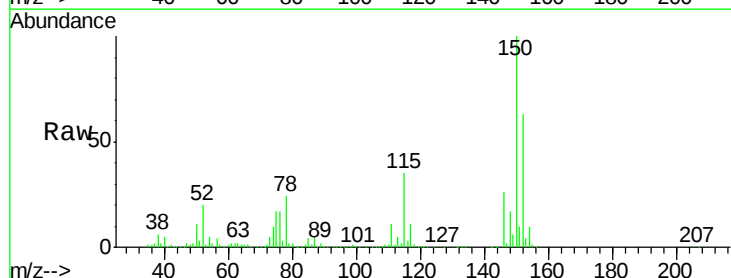
Tgt Ion:152 Resp: 210710

Ion Ratio Lower Upper

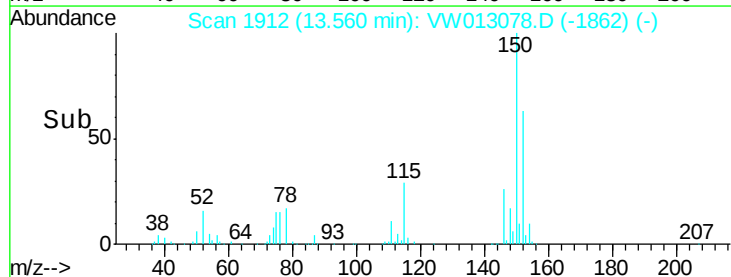
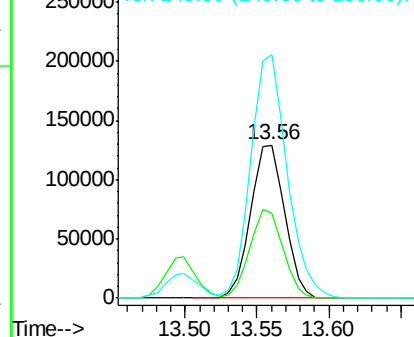
152 100

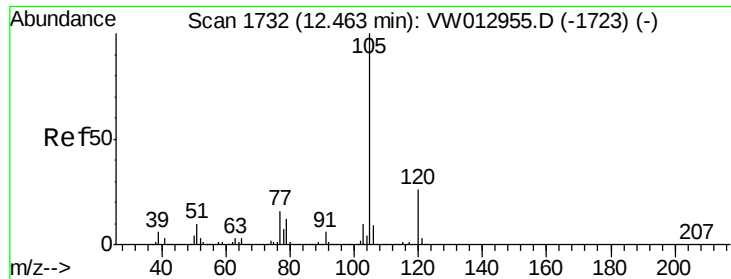
115 57.0 28.8 86.4

150 170.1 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





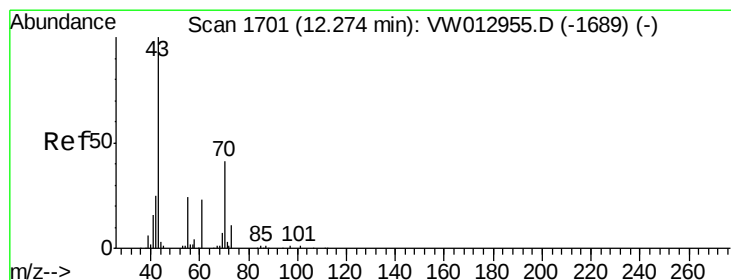
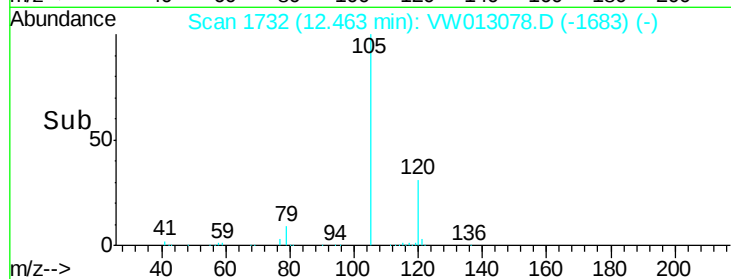
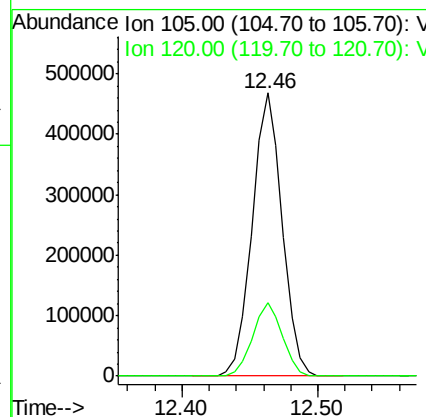
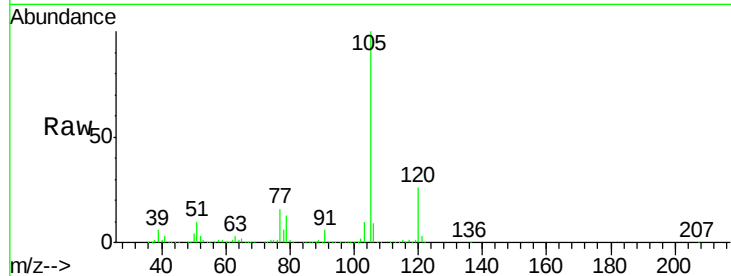
#73
Isopropylbenzene
Concen: 51.608 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0

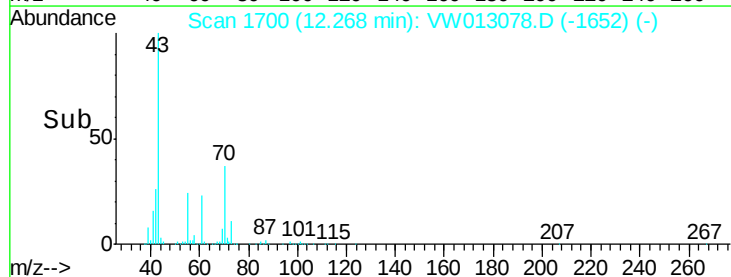
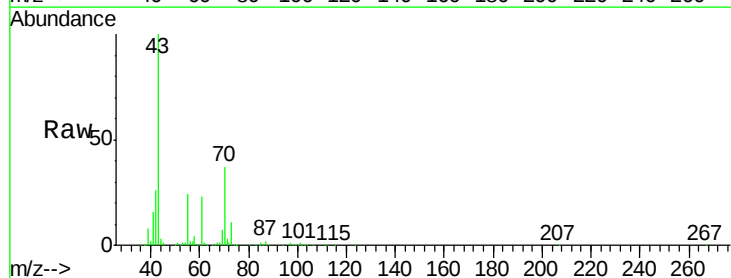
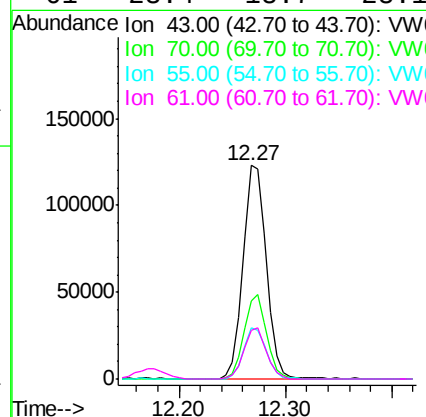
Manual Integrations
APPROVED

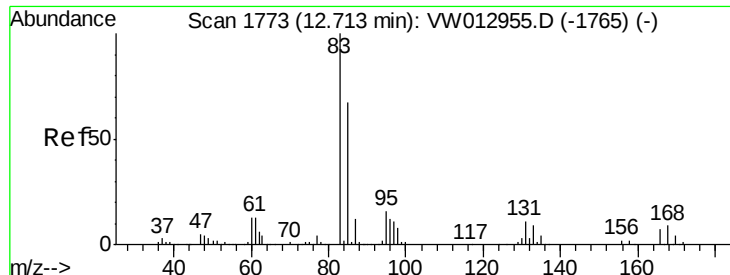
MMDadoda
9/19/2019 1:27:19 AM



#74
N-ethyl acetate
Concen: 52.878 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.7	47.5
55	23.6	19.4	29.2
61	23.4	18.7	28.1





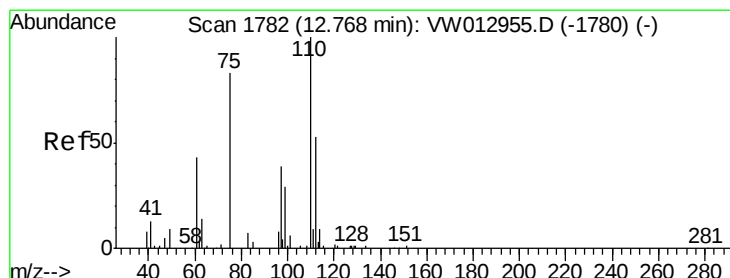
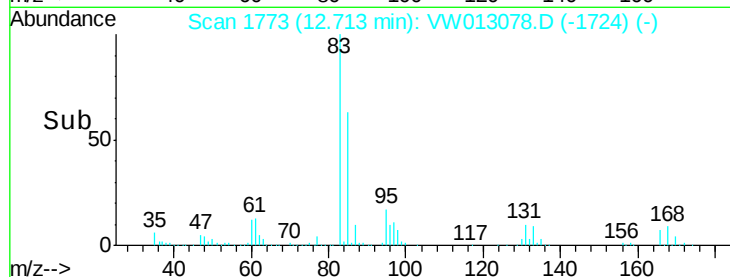
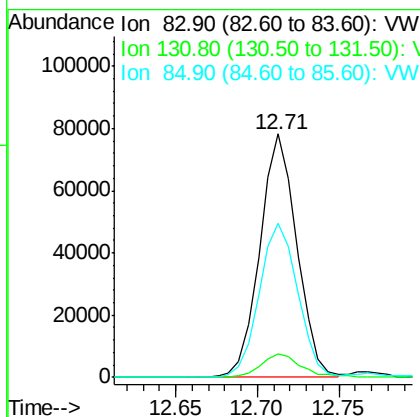
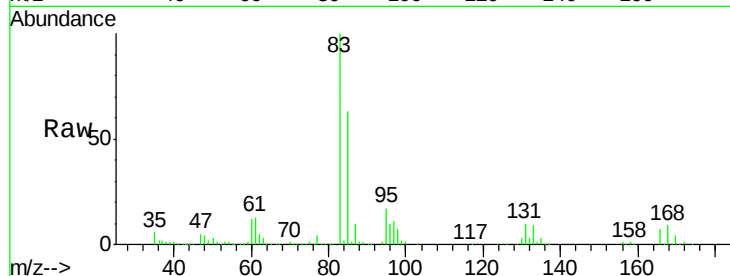
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.856 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	83	Resp	122298
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.7	17.1
85	65.8	31.4	94.3

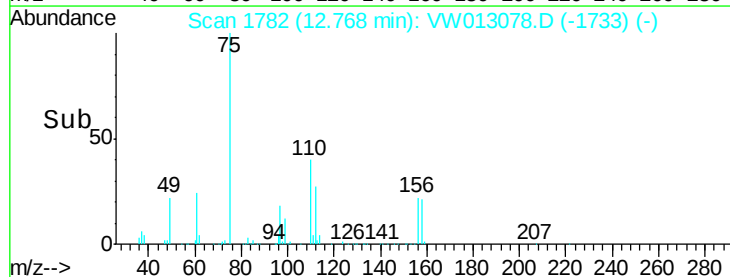
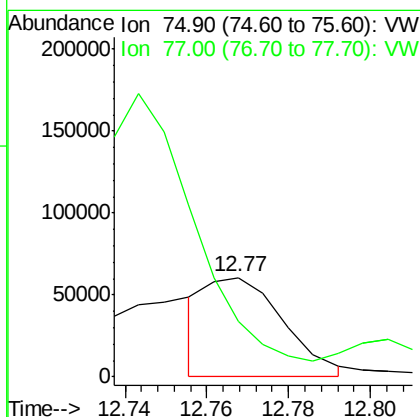
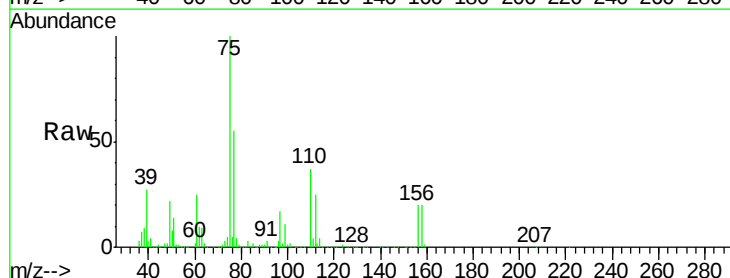
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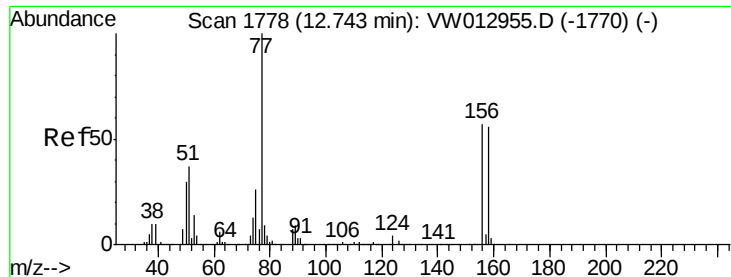
MMDadoda
 9/19/2019 1:27:19 AM



#76
 1,2,3-Trichloropropane
 Concen: 43.652 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Tgt Ion	75	Resp	80566
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.811 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 163486

Ion Ratio Lower Upper

156 100

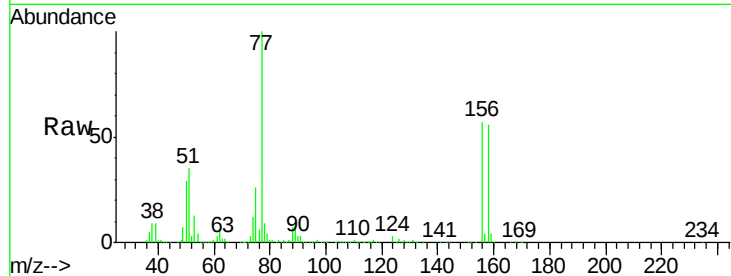
77 190.1 95.2 285.6

158 97.3 49.0 147.2

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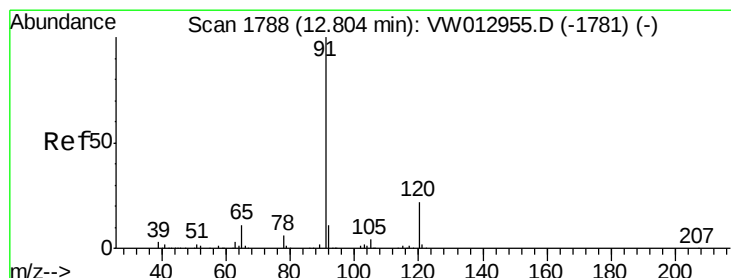
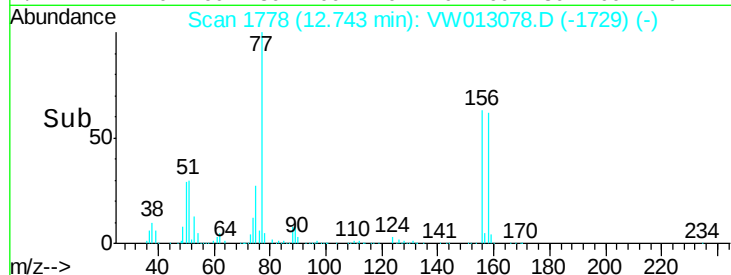
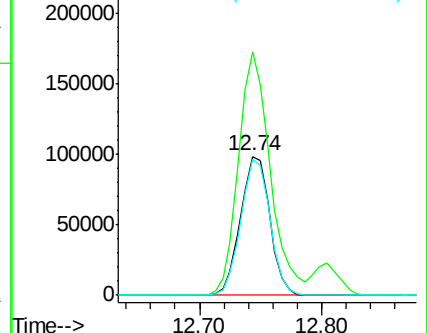
9/19/2019 1:27:19 AM



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: 52.153 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013078.D

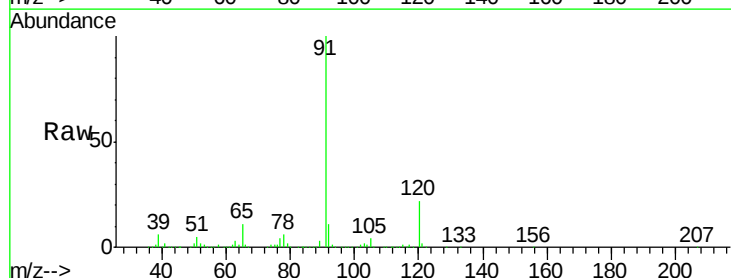
Acq: 17 Sep 2019 09:42

Tgt Ion: 91 Resp: 856800

Ion Ratio Lower Upper

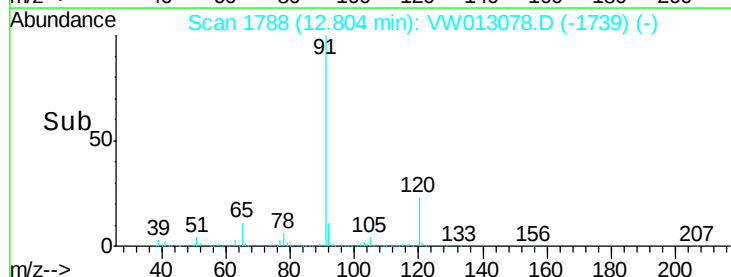
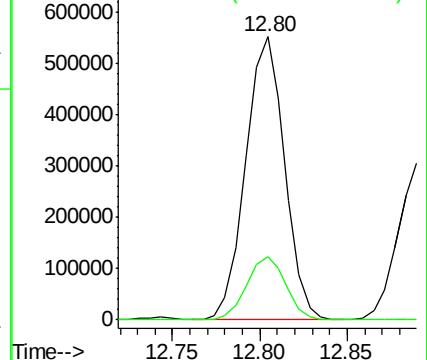
91 100

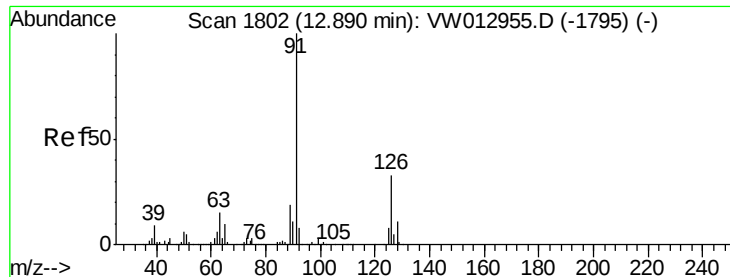
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.445 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 485854

Ion Ratio Lower Upper

91 100

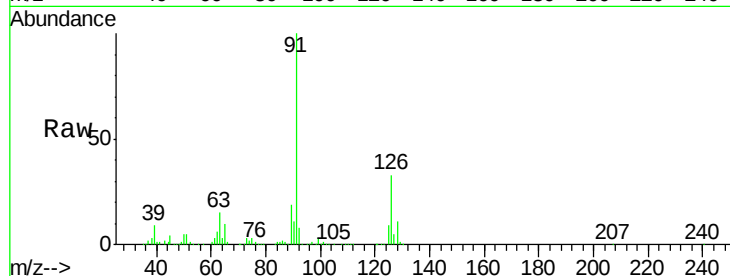
126 33.1 16.5 49.5

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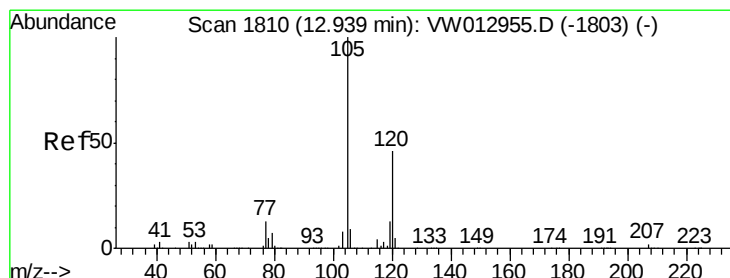
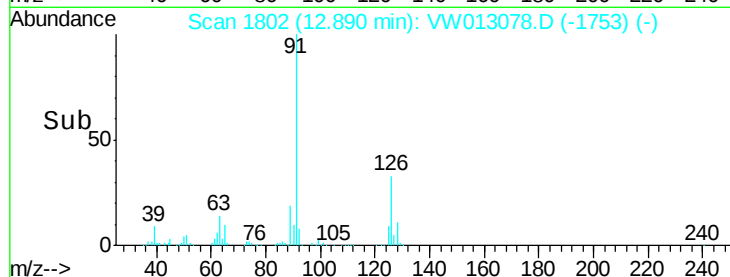
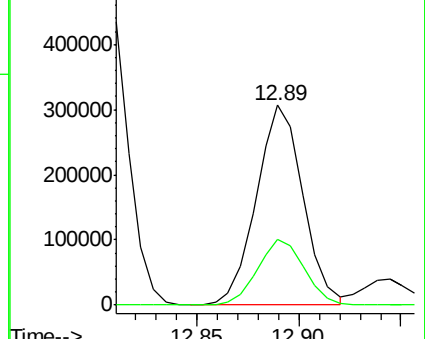
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.855 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013078.D

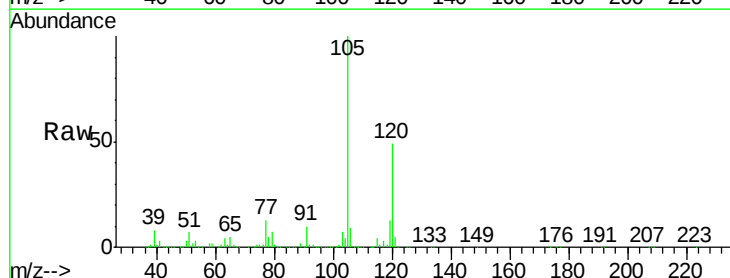
Acq: 17 Sep 2019 09:42

Tgt Ion: 105 Resp: 612691

Ion Ratio Lower Upper

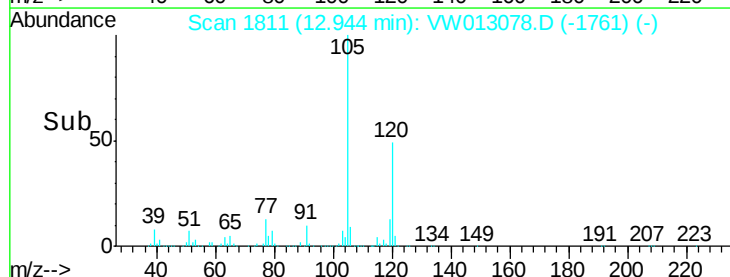
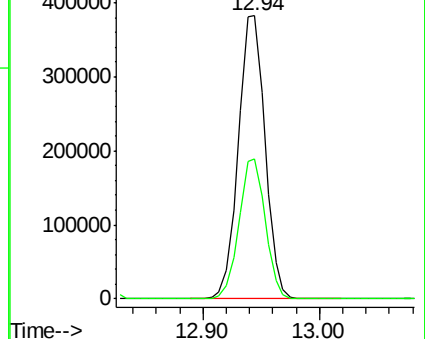
105 100

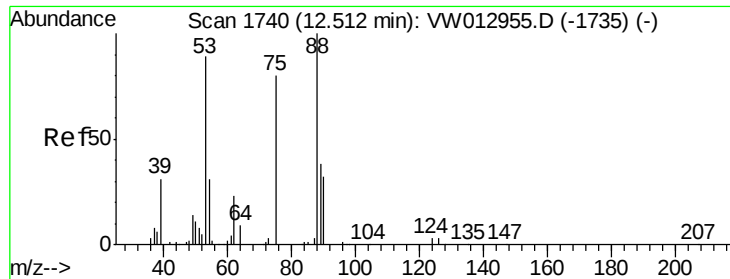
120 48.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





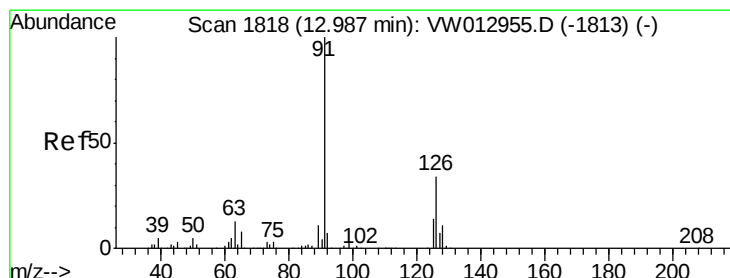
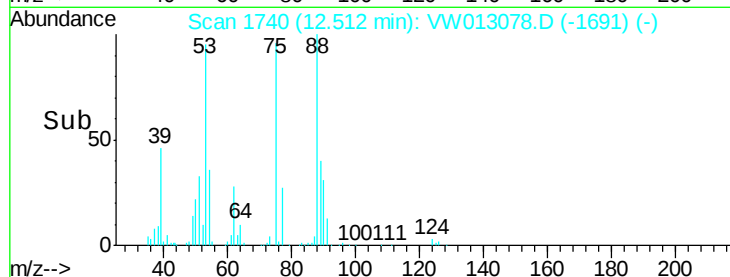
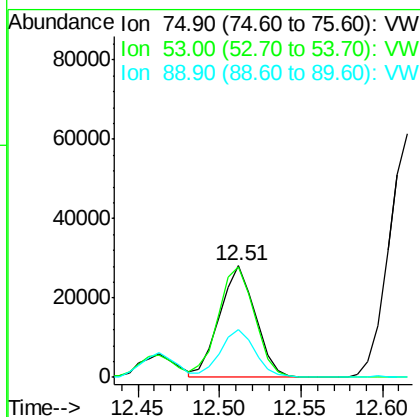
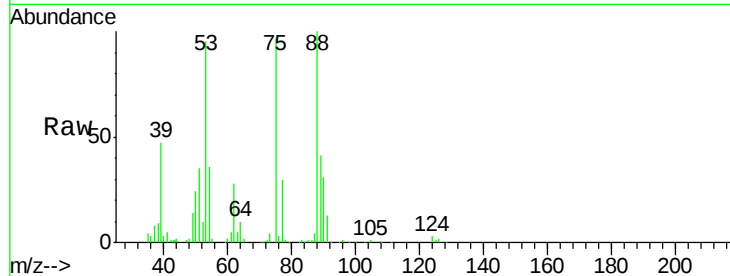
#81
trans-1,4-Dichloro-2-butene
Concen: 52.291 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	85.6	128.4
89	42.8	37.2	55.8

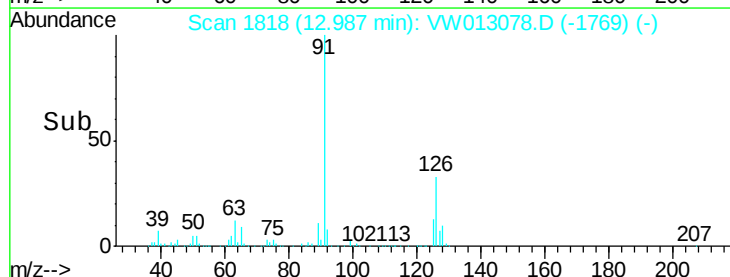
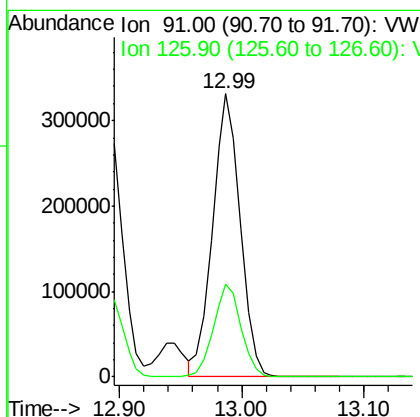
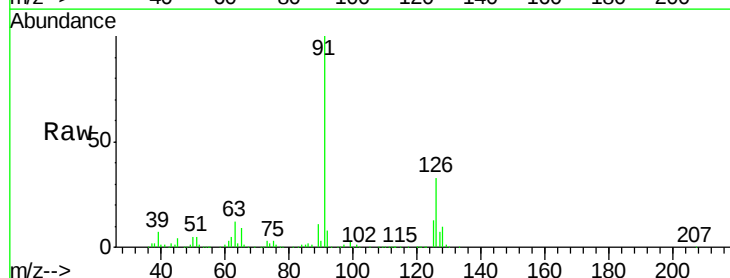
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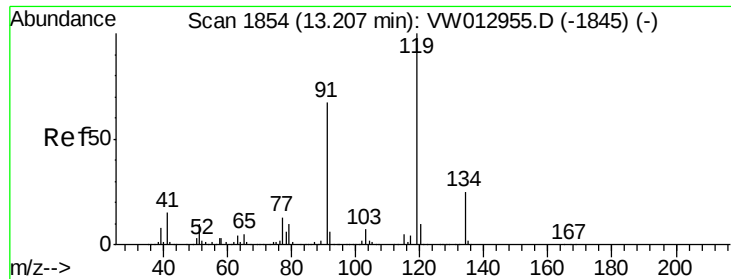
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#82
4-Chlorotoluene
Concen: 52.041 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3





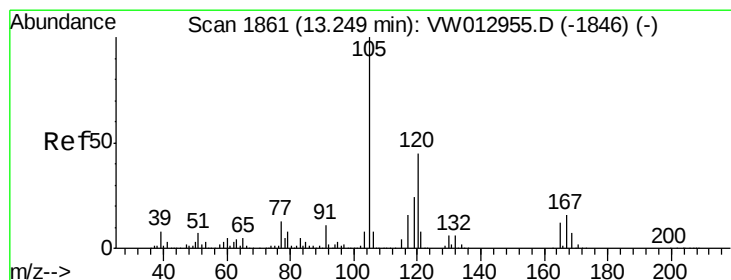
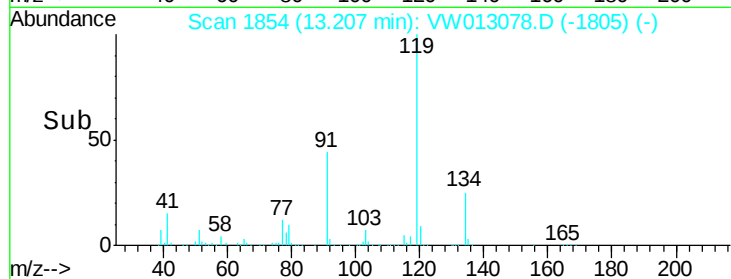
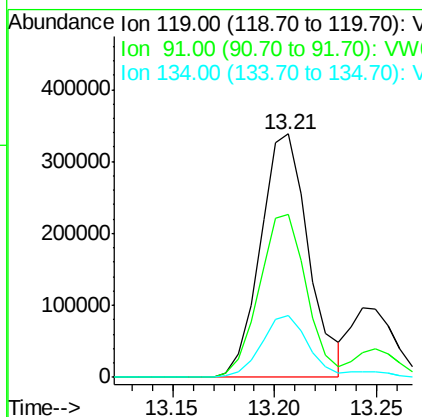
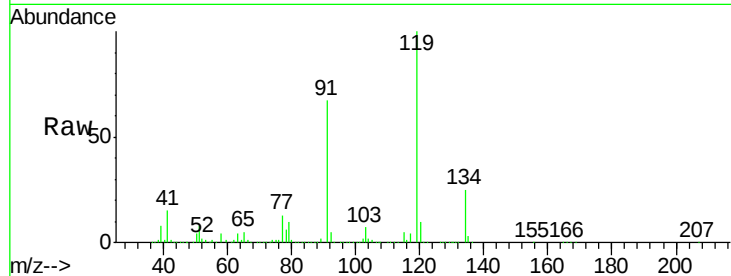
#83
tert-Butylbenzene
Concen: 52.666 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	556607		
91	65.6		32.6	98.0
134	24.8		12.4	37.4

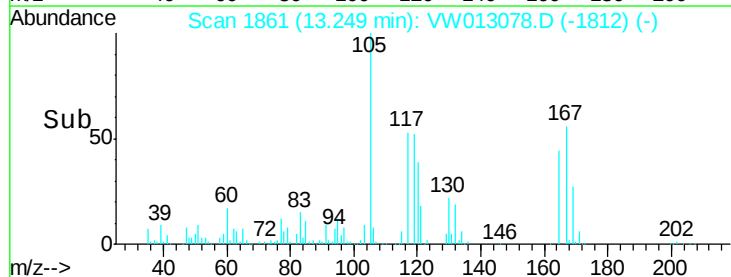
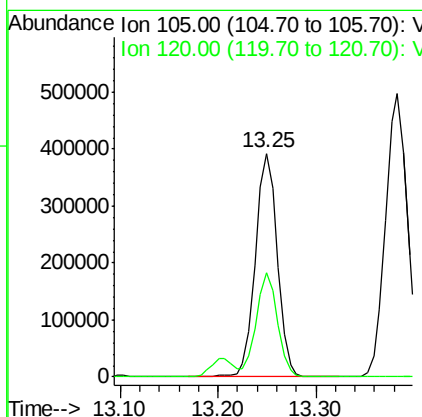
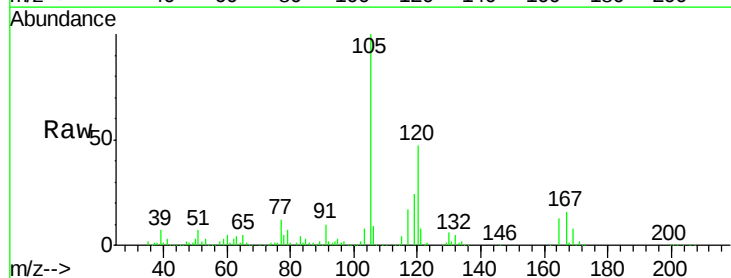
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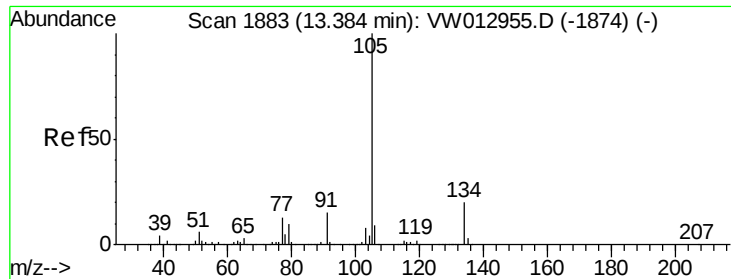
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#84
1,2,4-Trimethylbenzene
Concen: 52.401 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	611824		
120	44.5		21.9	65.7





#85

sec-Butylbenzene

Concen: 53.273 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 767081

Ion Ratio Lower Upper

105 100

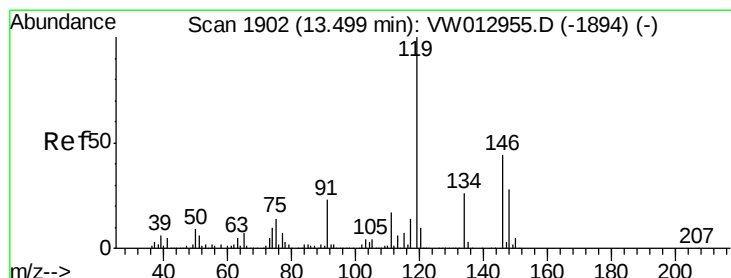
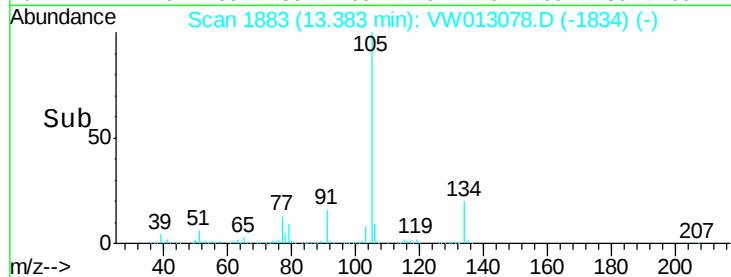
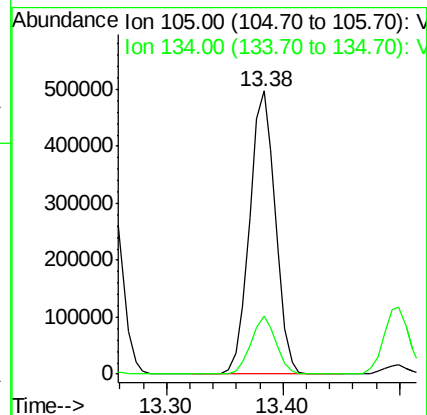
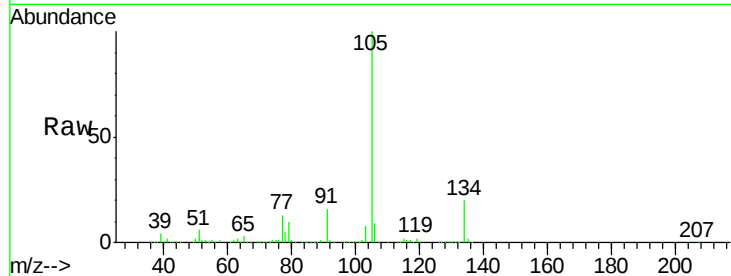
134 19.8 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 52.824 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

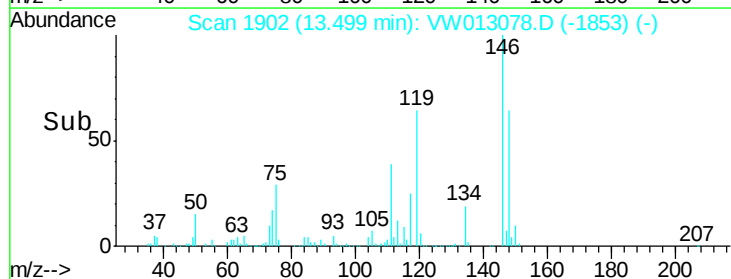
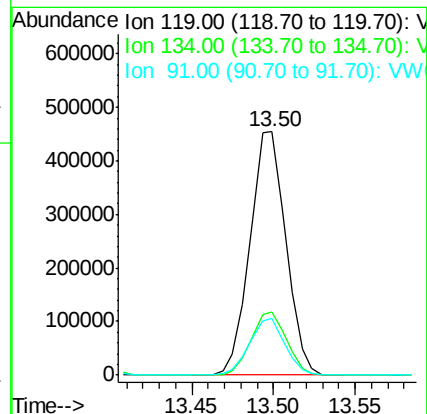
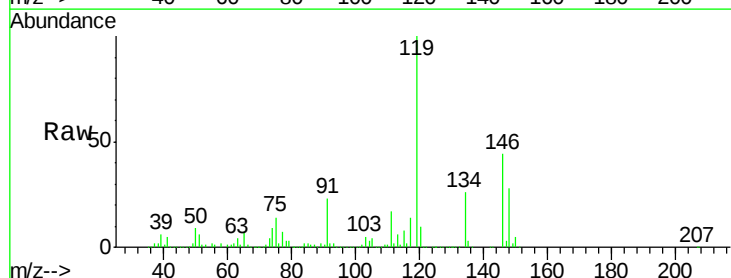
Tgt Ion:119 Resp: 698334

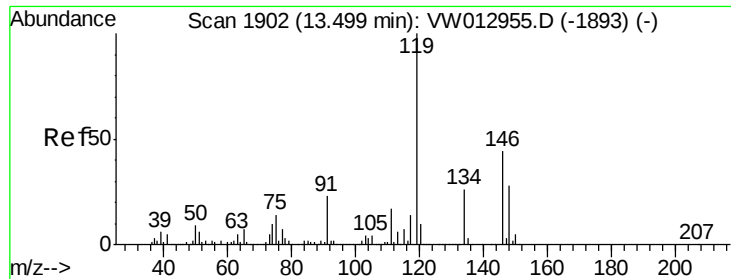
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 23.1 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 50.825 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

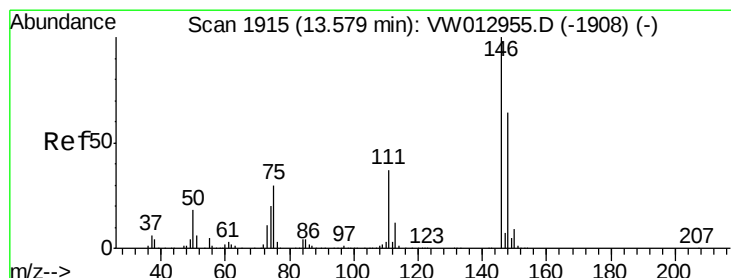
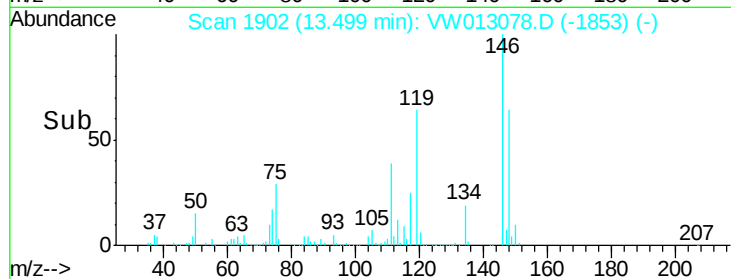
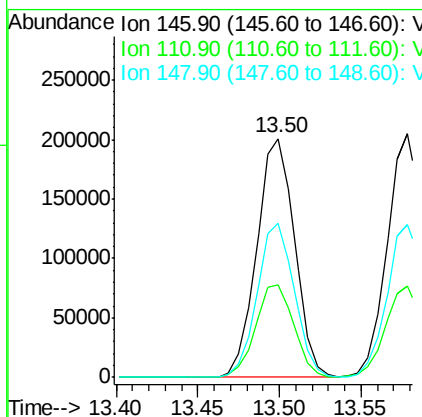
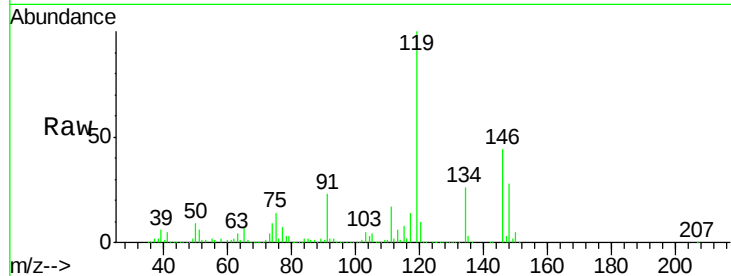
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	323724		
111	39.5	19.8	59.4	
148	63.7	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 51.345 ug/l

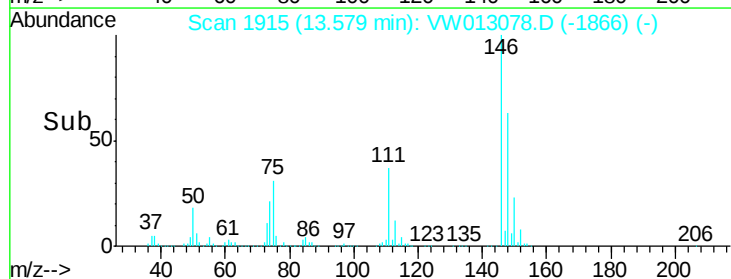
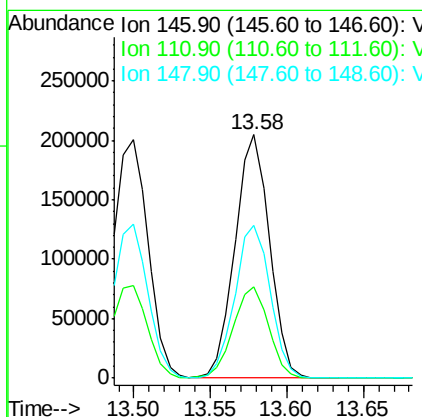
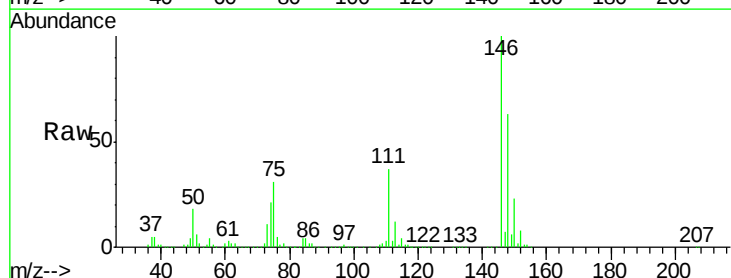
RT: 13.58 min Scan# 1915

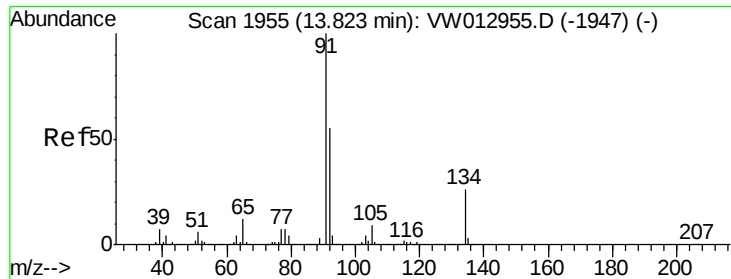
Delta R.T. -0.00 min

Lab File: VW013078.D

Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	321379		
111	38.6	19.4	58.2	
148	64.6	31.9	95.5	





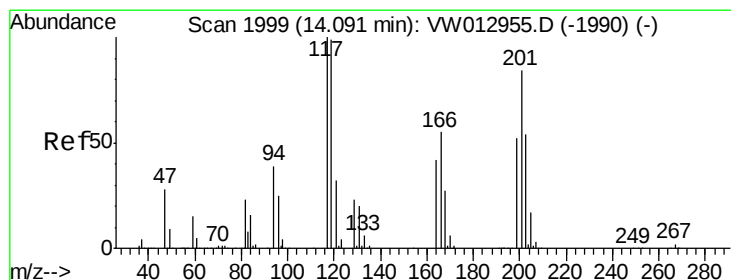
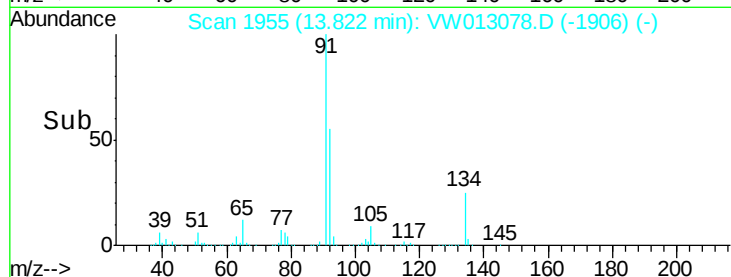
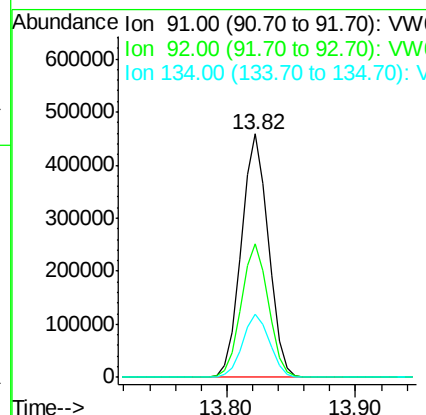
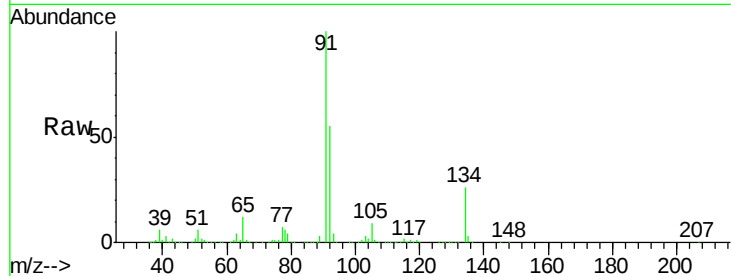
#89
n-Butylbenzene
Concen: 53.516 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.2	81.5
134	25.8	13.1	39.1

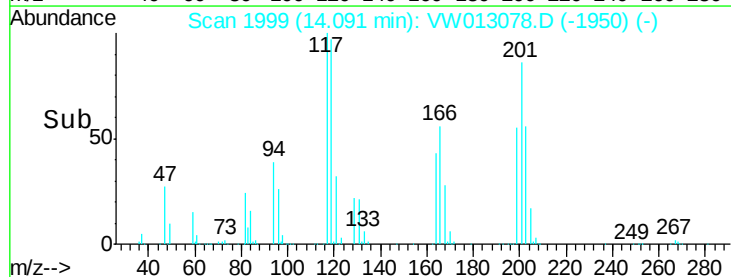
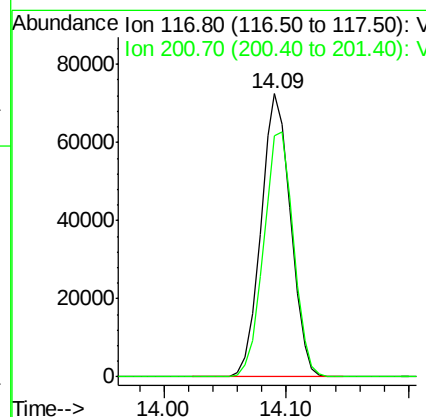
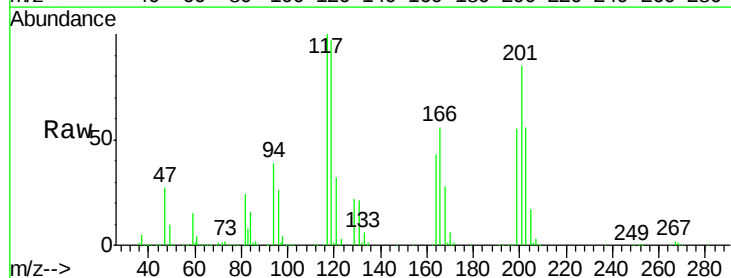
Manual Integrations
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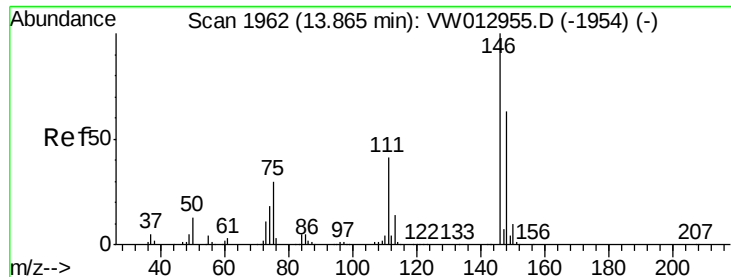
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#90
Hexachloroethane
Concen: 51.516 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	45.3	135.9





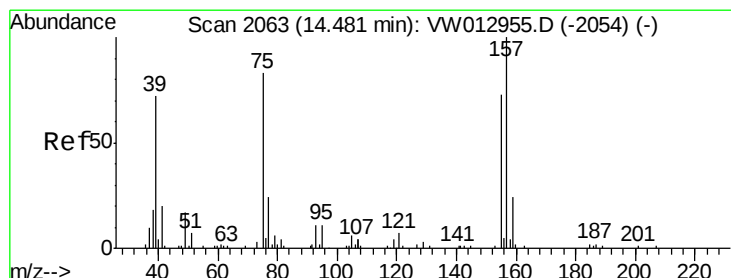
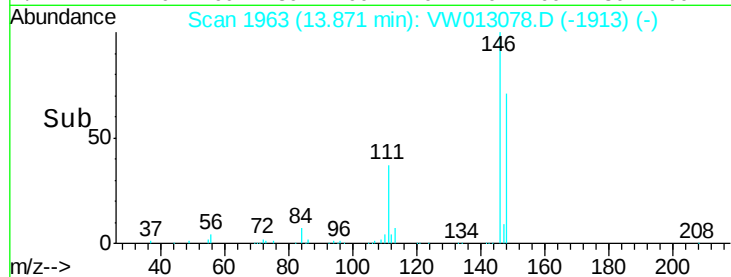
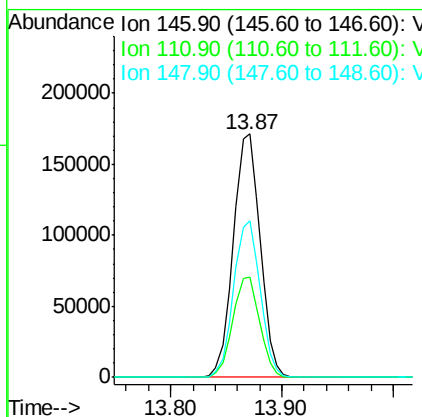
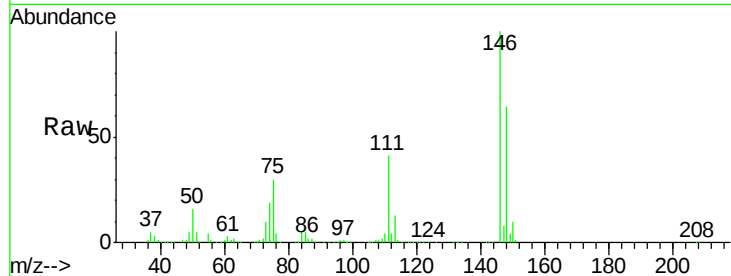
#91
 1,2-Dichlorobenzene
 Concen: 51.162 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	63.5	32.7	98.1

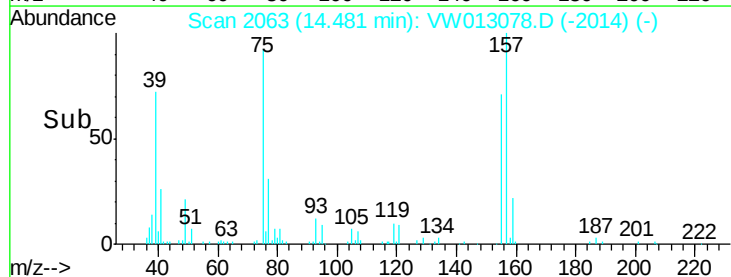
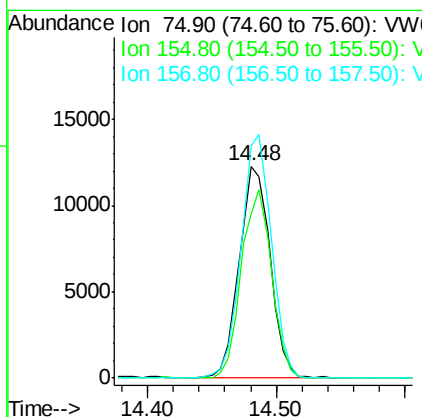
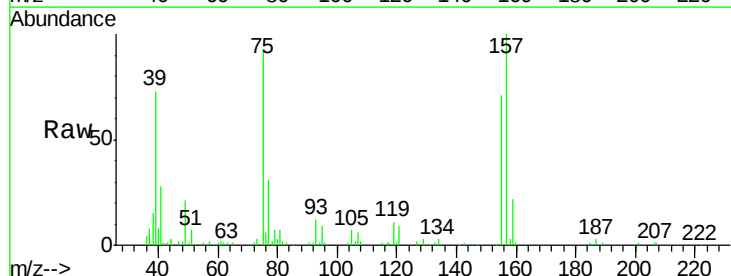
Manual Integrations
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 9/19/2019 1:27:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.464 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.3	129.9
157	112.3	54.7	164.1





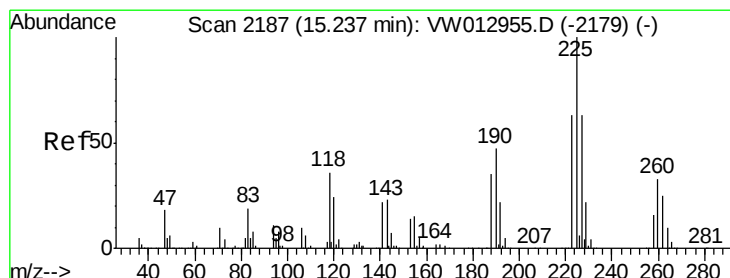
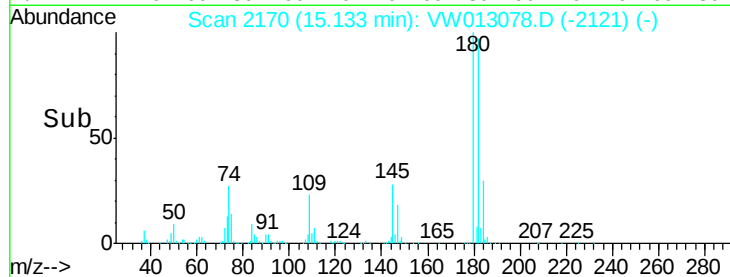
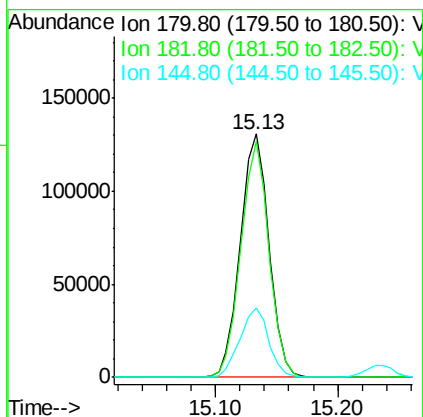
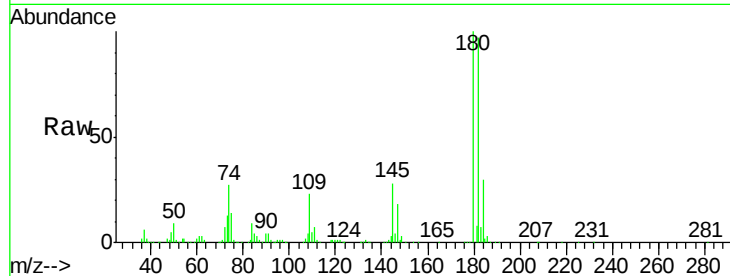
#93
 1,2,4-Trichlorobenzene
 Concen: 53.231 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212637		
182	94.7	47.4	142.2	
145	28.6	14.9	44.7	

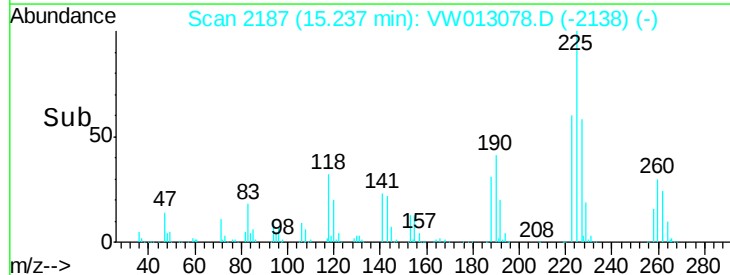
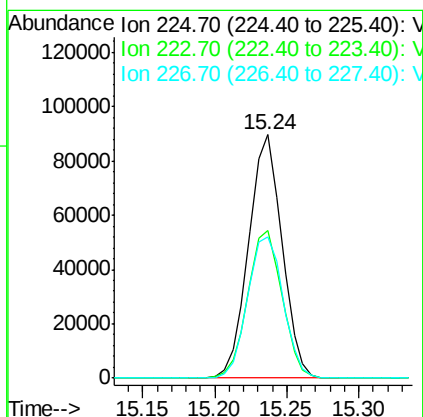
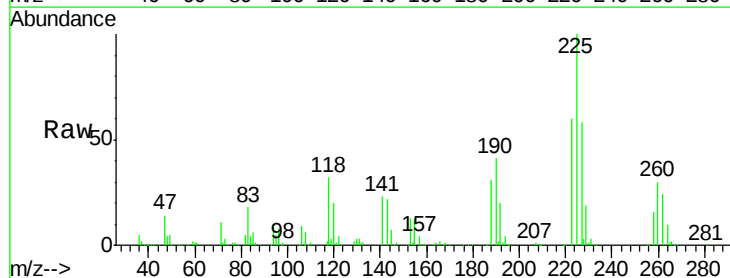
Manual Integrations
 APPROVED

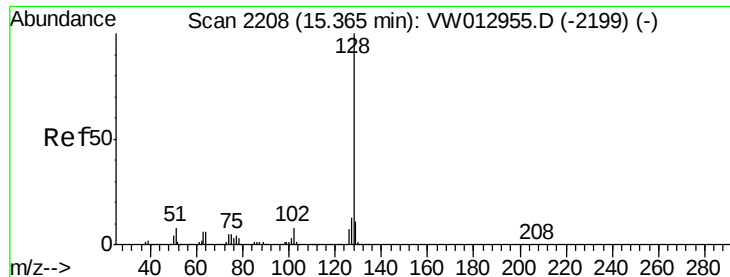
MMDadoda
 9/19/2019 1:27:19 AM



#94
 Hexachlorobutadiene
 Concen: 50.848 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013078.D
 Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143793		
223	62.2	31.8	95.3	
227	62.0	31.3	93.8	





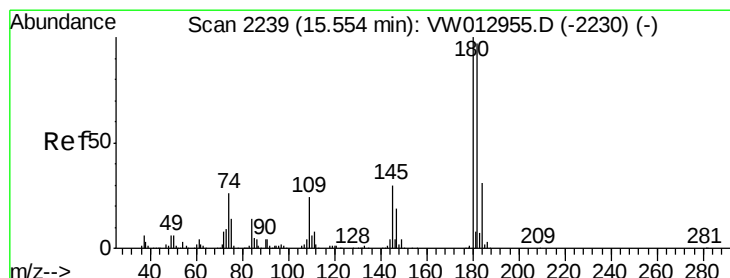
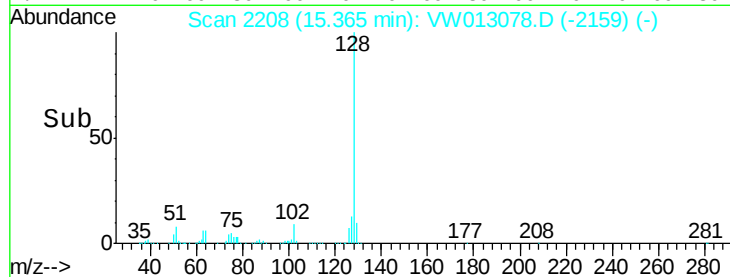
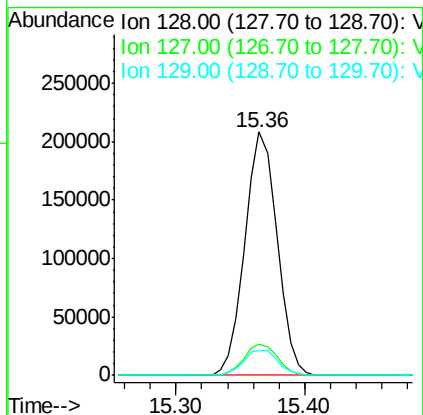
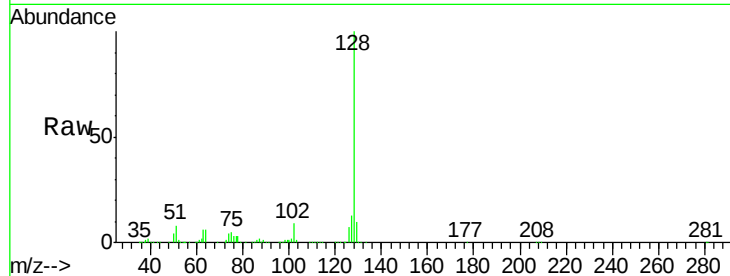
#95
Naphthalene
Concen: 54.012 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:27:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.879 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013078.D
Acq: 17 Sep 2019 09:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	31.2	15.4	46.2

